

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024504.D
 Acq On : 13 Jun 2018 13:28
 Operator : MD/SY
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:43 AM

Quant Time: Jun 13 13:49:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:15:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	192535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	304625	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	301137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	193059	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	445713	116.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	233.84%	
35) Dibromofluoromethane	4.89	113	362857	115.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	231.96%	
50) Toluene-d8	7.57	98	1342614	114.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	229.66%	
62) 4-Bromofluorobenzene	10.31	95	574678	134.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	269.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	342569	117.384	ug/l	99
3) Chloromethane	1.33	50	351149	103.262	ug/l	99
4) Vinyl Chloride	1.40	62	363963	96.143	ug/l	99
5) Bromomethane	1.61	94	163560	78.622	ug/l	99
6) Chloroethane	1.68	64	209993	82.002	ug/l	98
7) Trichlorofluoromethane	1.88	101	537052	104.470	ug/l	98
8) Diethyl Ether	2.10	74	191940	93.394	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.28	101	325883	113.885	ug/l	98
10) Methyl Iodide	2.41	142	330991	182.431	ug/l	99
11) Tert butyl alcohol	2.84	59	545290	752.968	ug/l	99
12) 1,1-Dichloroethene	2.28	96	306995	114.520	ug/l	95
13) Acrolein	2.19	56	292902	388.546	ug/l	99
14) Allyl chloride	2.59	41	621655	136.685	ug/l	90
15) Acrylonitrile	2.94	53	1097925	567.630	ug/l	99
16) Acetone	2.32	43	1208120	496.403	ug/l	99
17) Carbon Disulfide	2.47	76	1011413	122.634	ug/l	99
18) Methyl Acetate	2.62	43	513986	106.271	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	1173711	139.327	ug/l	97
20) Methylene Chloride	2.70	84	363048	108.560	ug/l	99
21) trans-1,2-Dichloroethene	2.98	96	342667	119.132	ug/l	97
22) Diisopropyl ether	3.57	45	1146437	125.100	ug/l	98
23) Vinyl Acetate	3.53	43	5193302	771.072	ug/l	99
24) 1,1-Dichloroethane	3.45	63	659738	114.984	ug/l	99
25) 2-Butanone	4.27	43	1695005	582.427	ug/l	98
26) 2,2-Dichloropropane	4.23	77	616139	140.850	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	394624	126.258	ug/l	100
28) Bromochloromethane	4.55	49	283590	134.967	ug/l	88
29) Tetrahydrofuran	4.64	42	986575	594.049	ug/l	97
30) Chloroform	4.68	83	664194	114.251	ug/l	99
31) Cyclohexane	5.00	56	598392	105.166	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	612410	130.977	ug/l	96
36) 1,1-Dichloropropene	5.14	75	509556	117.212	ug/l	98
37) Ethyl Acetate	4.38	43	591108	121.274	ug/l	96
38) Carbon Tetrachloride	5.14	117	560317	135.355	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	627796	133.660	ug/l	96
40) Benzene	5.39	78	1441696	110.027	ug/l	100
41) Methacrylonitrile	4.54	41	324420	118.763	ug/l	99
42) 1,2-Dichloroethane	5.41	62	553343	110.266	ug/l	100
43) Isopropyl Acetate	5.55	43	979224	131.912	ug/l	98
44) Trichloroethene	6.19	130	411617	120.563	ug/l	97
45) 1,2-Dichloropropane	6.44	63	391798	111.257	ug/l	99
46) Dibromomethane	6.56	93	279326	119.812	ug/l	97
47) Bromodichloromethane	6.76	83	552942	122.588	ug/l	98
48) Methyl methacrylate	6.63	41	487206	133.877	ug/l	98
49) 1,4-Dioxane	6.62	88	200874	2616.375	ug/l	98
51) 4-Methyl-2-Pentanone	7.47	43	3176483	593.104	ug/l	98
52) Toluene	7.64	92	943470	121.327	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	662358	141.207	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	667282	130.377	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	385751	115.631	ug/l	98
56) Ethyl methacrylate	8.02	69	673809	154.973	ug/l	99
57) 1,3-Dichloropropane	8.25	76	652798	113.946	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.13	63	1328598	594.135	ug/l	96
59) 2-Hexanone	8.37	43	2650445	618.561	ug/l	99
60) Dibromochloromethane	8.48	129	486109	143.608	ug/l	100
61) 1,2-Dibromoethane	8.59	107	433928	124.362	ug/l	99
64) Tetrachloroethene	8.23	164	385106	128.643	ug/l	99
65) Chlorobenzene	9.12	112	1099160	125.425	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.21	131	417723	138.871	ug/l	98
67) Ethyl Benzene	9.25	91	1882404	133.221	ug/l	97
68) m/p-Xylenes	9.38	106	1473528	273.761	ug/l	96
69) o-Xylene	9.78	106	728219	146.779	ug/l	94
70) Styrene	9.80	104	1247481	147.674	ug/l	99
71) Bromoform	9.96	173	430500	165.815	ug/l #	99
73) Isopropylbenzene	10.17	105	1970017	148.015	ug/l	99
74) N-amyl acetate	10.02	43	994659	165.104	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	684914	118.645	ug/l	100
76) 1,2,3-Trichloropropane	10.50	75	620897m	153.334	ug/l	
77) Bromobenzene	10.46	156	517586	140.440	ug/l	98
78) n-propylbenzene	10.59	91	2359120	142.968	ug/l	97
79) 2-Chlorotoluene	10.66	91	1383608	138.141	ug/l	98
80) 1,3,5-Trimethylbenzene	10.78	105	1717267	152.143	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.51	75	295021m	154.562	ug/l	
82) 4-Chlorotoluene	10.78	91	1644711	141.541	ug/l	99
83) tert-Butylbenzene	11.10	119	1676629	152.597	ug/l	100
84) 1,2,4-Trimethylbenzene	11.15	105	1798637	157.693	ug/l	100
85) sec-Butylbenzene	11.33	105	2129487	154.369	ug/l	98
86) p-Isopropyltoluene	11.48	119	1914925	157.072	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	992516	140.115	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	995594	134.266	ug/l	100
89) n-Butylbenzene	11.89	91	1783561	148.680	ug/l	97
90) Hexachloroethane	12.15	117	376813	172.409	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	964467	136.161	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	199898	169.644	ug/l	96

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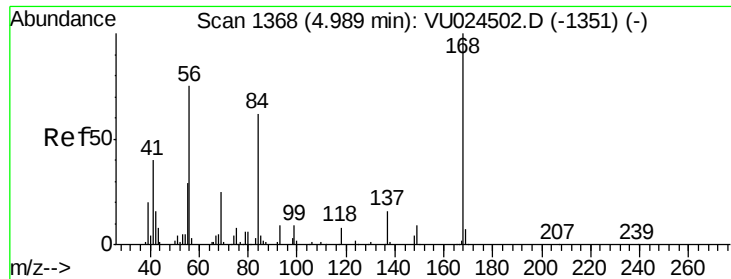
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	710428	169.795	ug/l	99
94) Hexachlorobutadiene	13.70	225	350175	140.898	ug/l	100
95) Naphthalene	13.74	128	2157965	188.620	ug/l	100
96) 1,2,3-Trichlorobenzene	13.99	180	694142	164.181	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024504.D

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Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tgt Ion:168 Resp: 192535

Ion Ratio Lower Upper

168 100

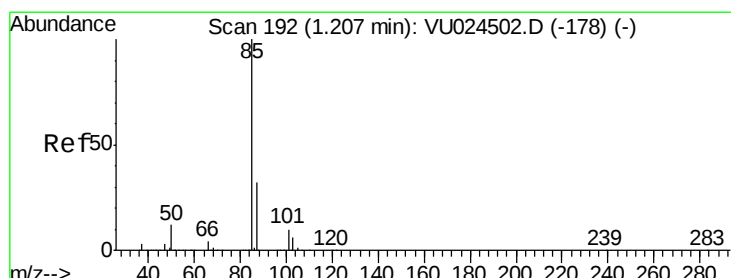
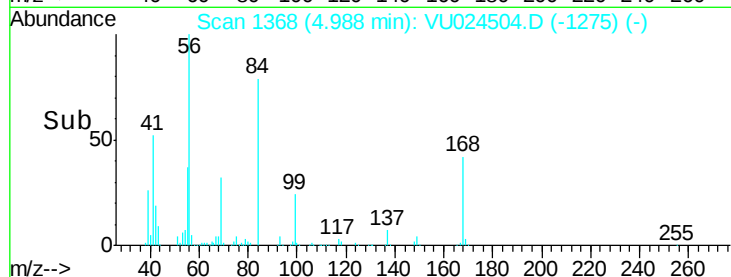
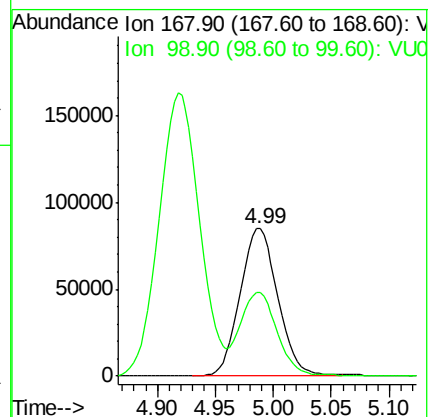
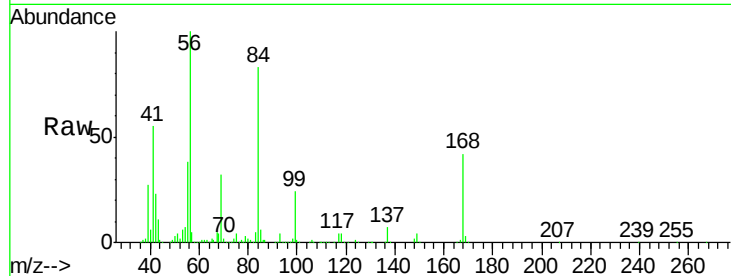
99 55.8 43.2 64.8

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 117.384 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU024504.D

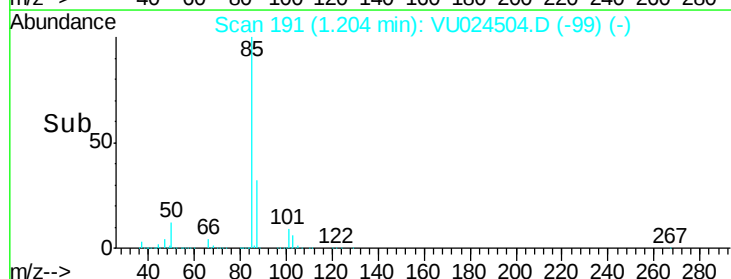
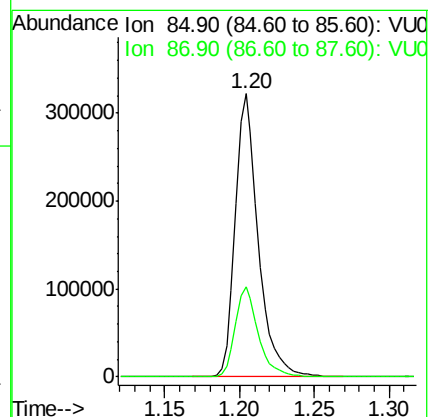
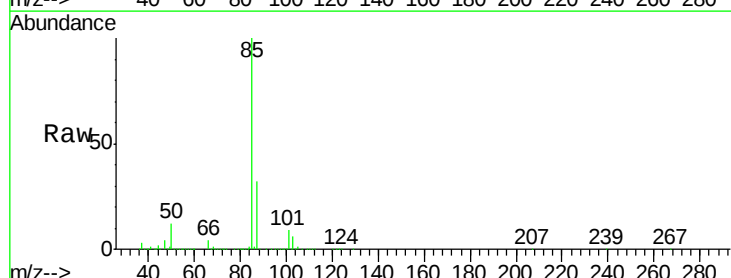
Acq: 13 Jun 2018 13:28

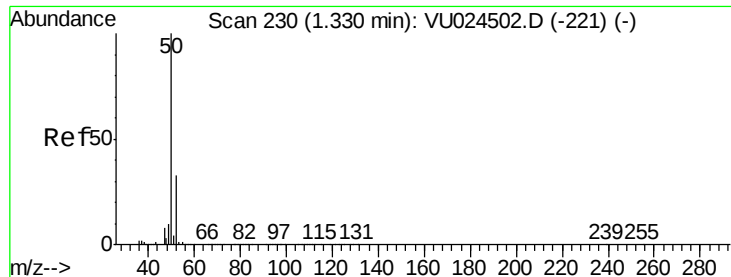
Tgt Ion: 85 Resp: 342569

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.2





#3

Chloromethane

Concen: 103.262 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 351149

Ion Ratio Lower Upper

50 100

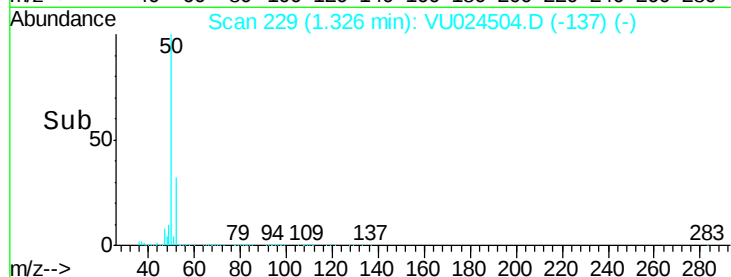
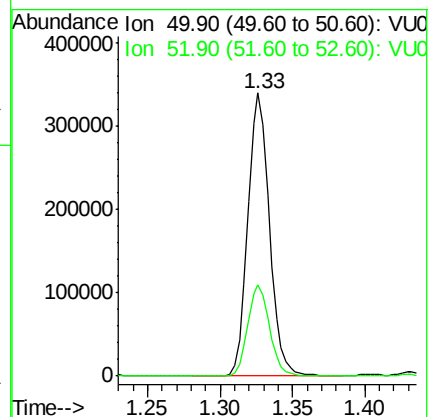
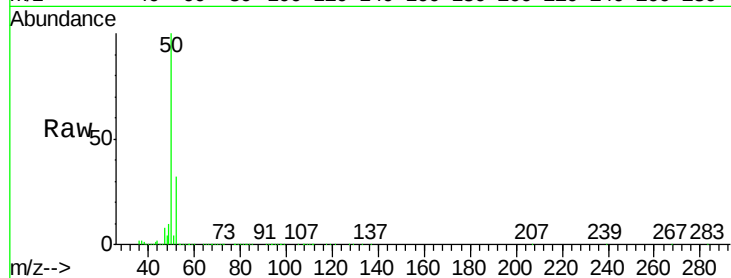
52 32.3 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 96.143 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024504.D

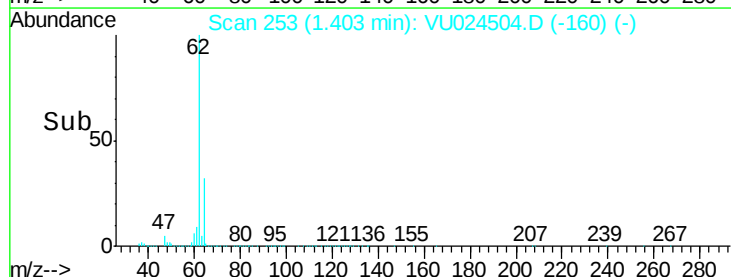
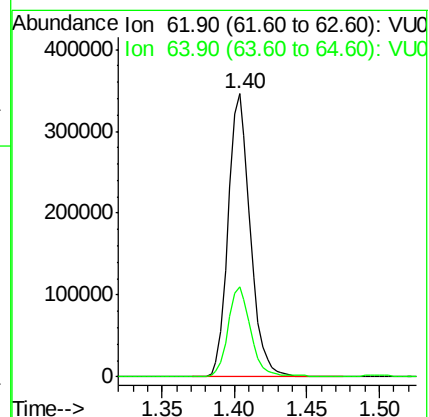
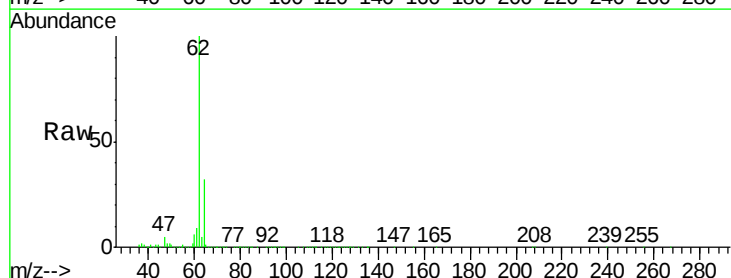
Acq: 13 Jun 2018 13:28

Tgt Ion: 62 Resp: 363963

Ion Ratio Lower Upper

62 100

64 31.7 24.8 37.2





#5

Bromomethane

Concen: 78.622 ug/l

RT: 1.61 min Scan# 316

Delta R.T. -0.02 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 163560

Ion Ratio Lower Upper

94 100

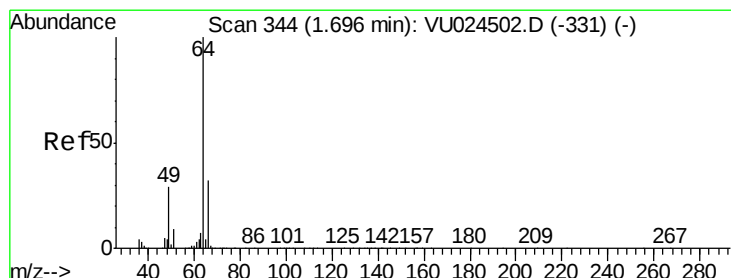
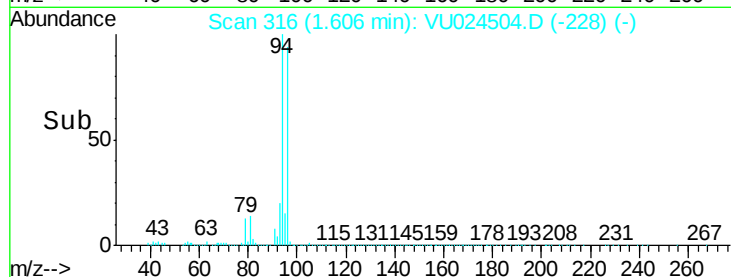
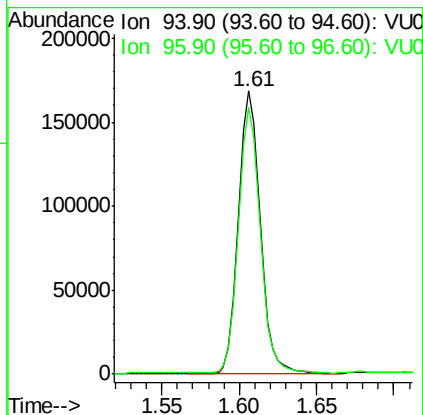
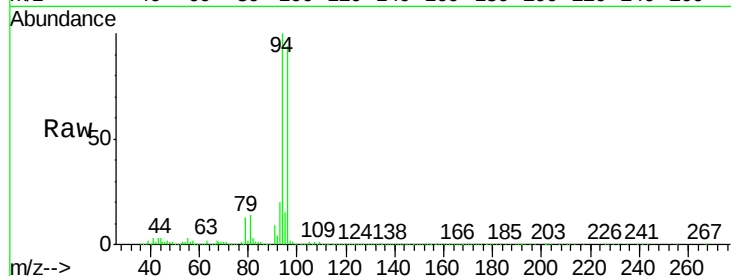
96 94.0 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 82.002 ug/l

RT: 1.68 min Scan# 339

Delta R.T. -0.02 min

Lab File: VU024504.D

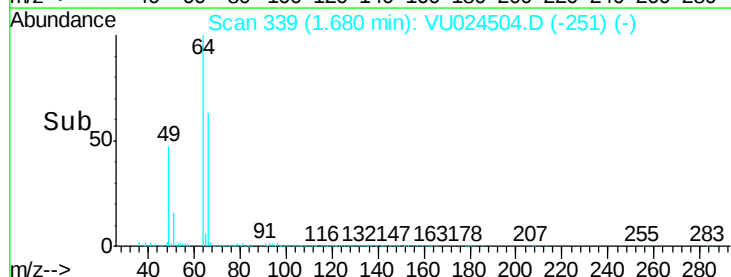
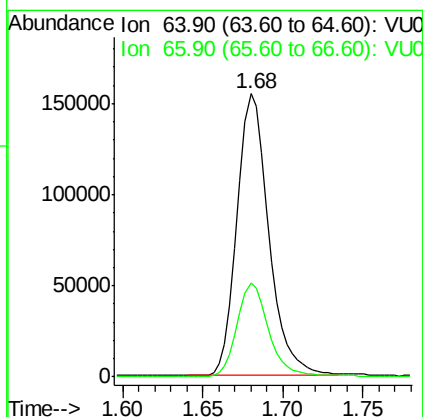
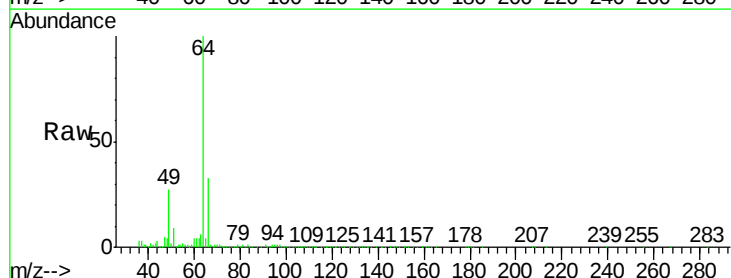
Acq: 13 Jun 2018 13:28

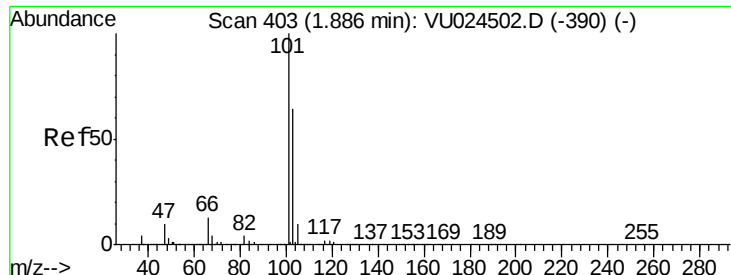
Tgt Ion: 64 Resp: 209993

Ion Ratio Lower Upper

64 100

66 32.9 25.5 38.3





#7

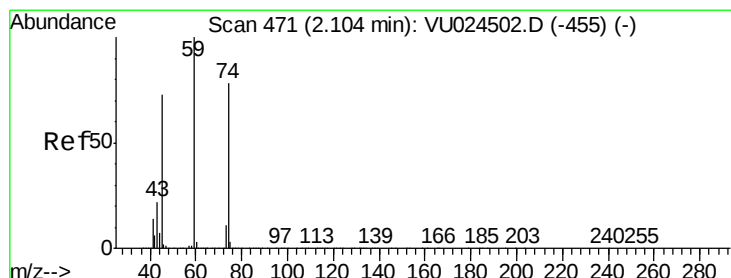
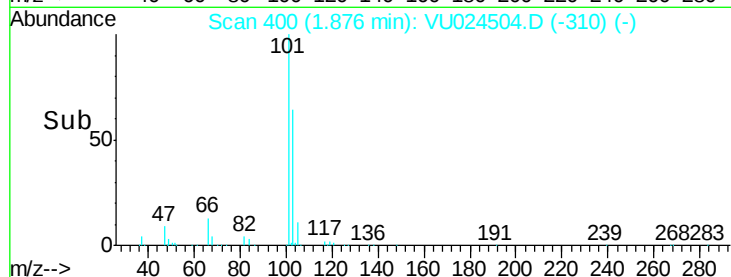
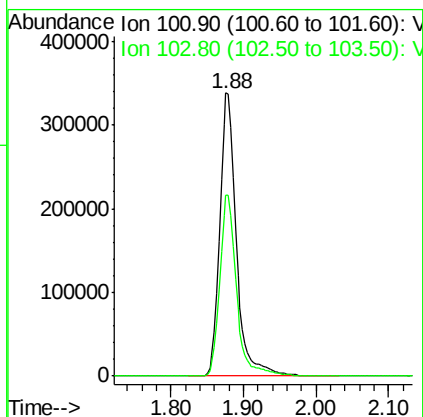
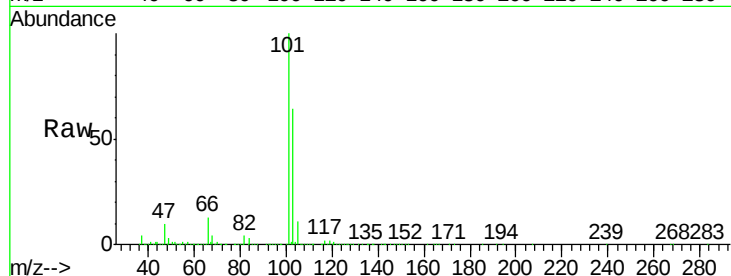
Trichlorofluoromethane
 Concen: 104.470 ug/l
 RT: 1.88 min Scan# 400
 Delta R.T. -0.01 min
 Lab File: VU024504.D
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.3	78.5

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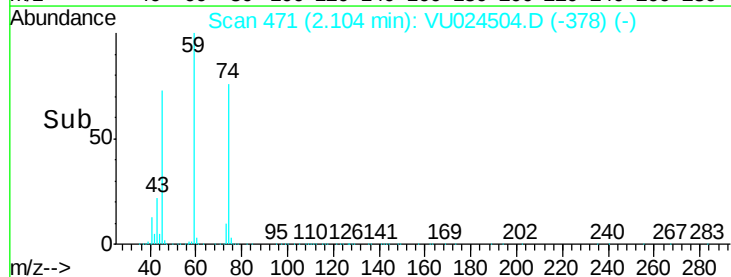
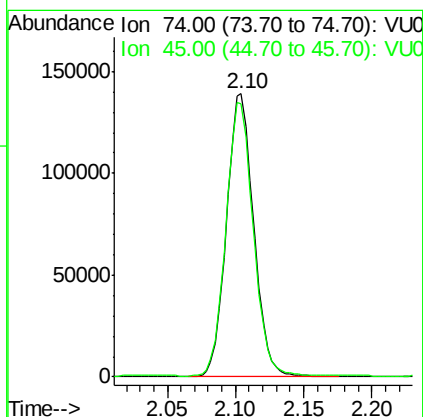
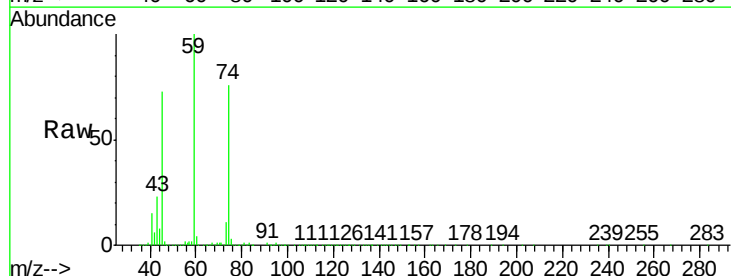
MMDadoda
 6/14/2018 9:44:43 AM

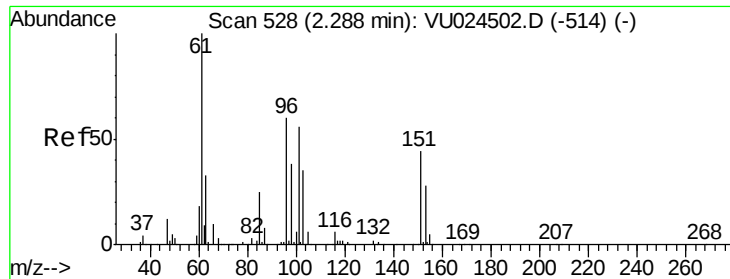


#8

Diethyl Ether
 Concen: 93.394 ug/l
 RT: 2.10 min Scan# 471
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 113.885 ug/l

RT: 2.28 min Scan# 526

Delta R.T. -0.01 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

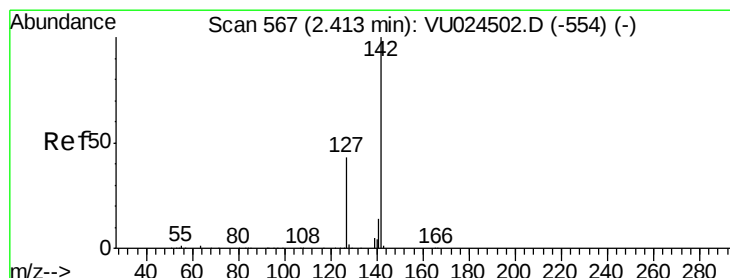
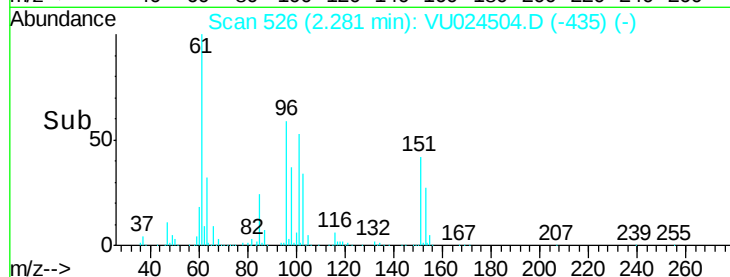
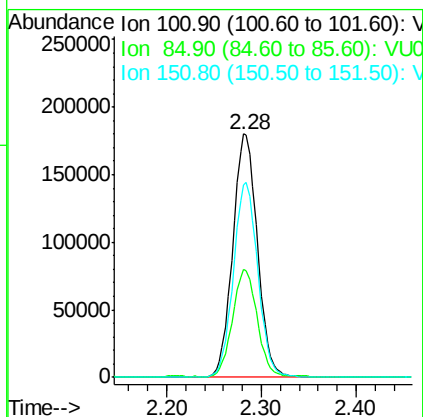
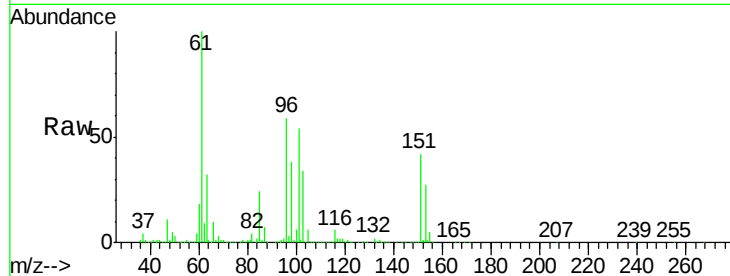
ClientSampleId :

VSTDIC150

Tgt Ion:	101	Resp:	325883
Ion Ratio	Lower	Upper	
101	100		
85	44.3	36.0	54.0
151	79.6	62.3	93.5

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#10

Methyl Iodide

Concen: 182.431 ug/l

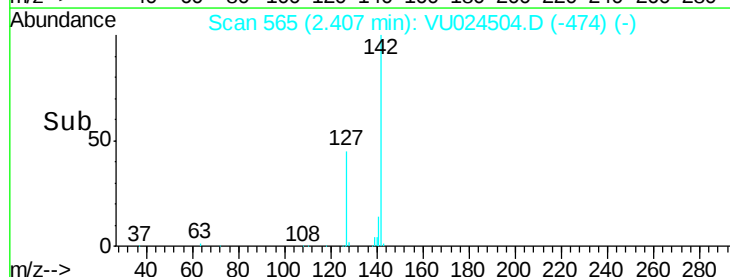
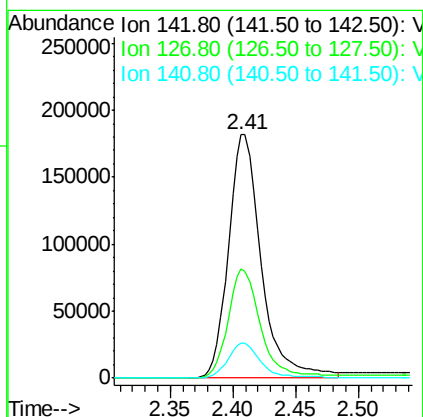
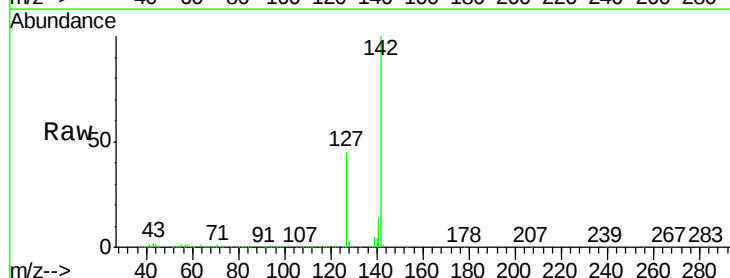
RT: 2.41 min Scan# 565

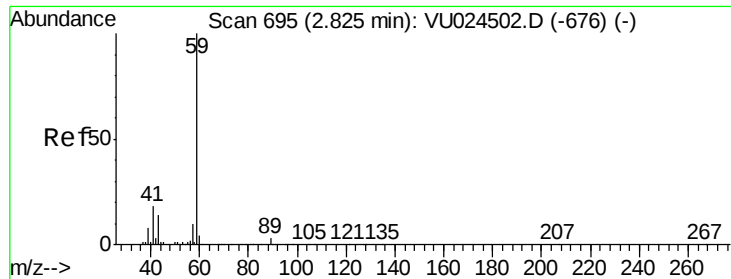
Delta R.T. -0.01 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Tgt Ion:	142	Resp:	330991
Ion Ratio	Lower	Upper	
142	100		
127	45.0	35.6	53.4
141	14.3	11.7	17.5





#11

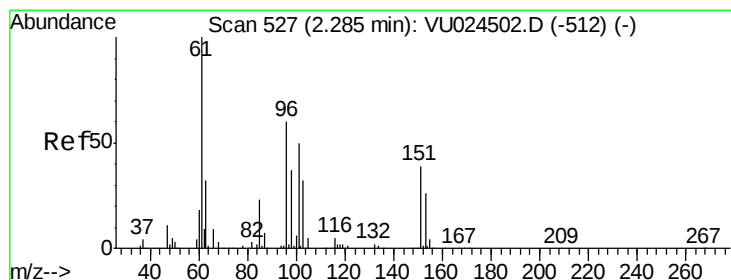
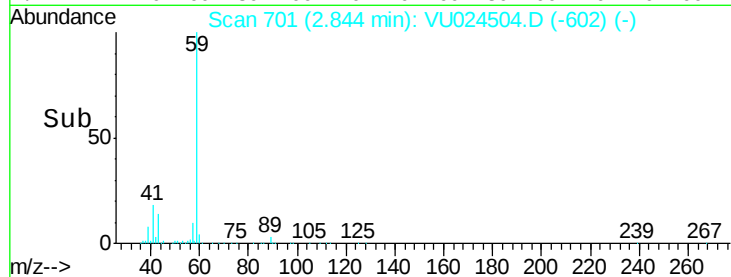
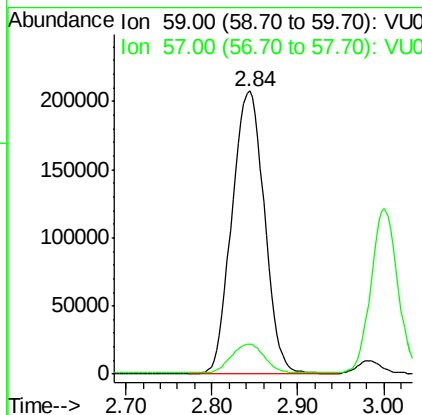
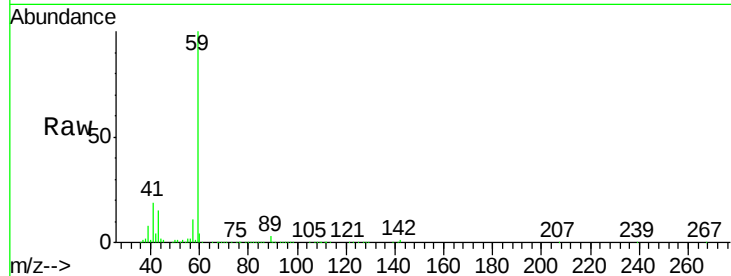
Tert butyl alcohol
 Concen: 752.968 ug/l
 RT: 2.84 min Scan# 701
 Delta R.T. 0.02 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	545290		
57	10.1		8.5	12.7

Manual Integrations
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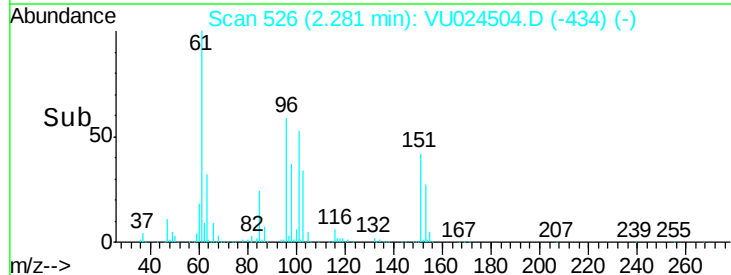
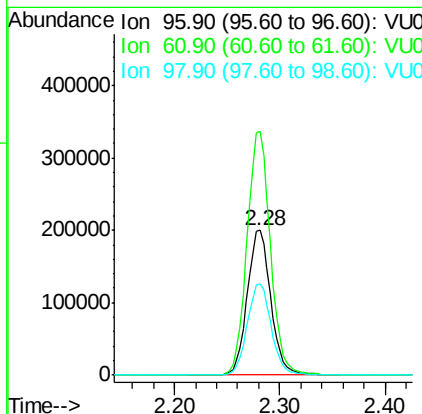
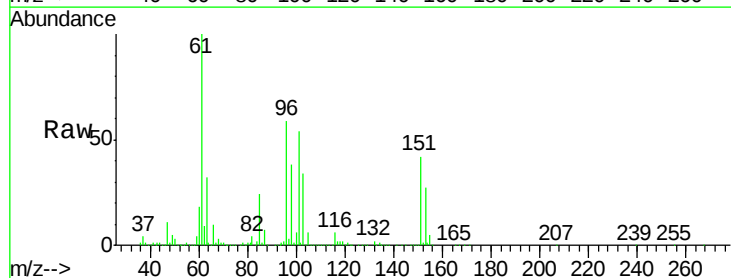
MMDadoda
 6/14/2018 9:44:43 AM

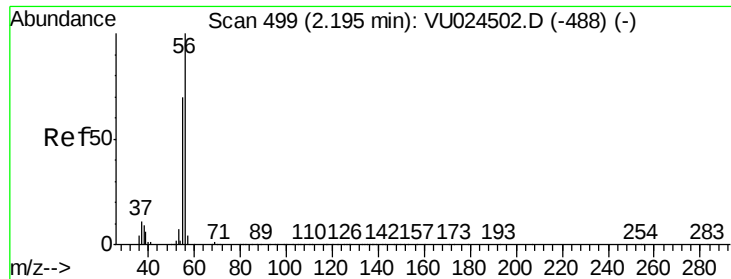


#12

1,1-Dichloroethene
 Concen: 114.520 ug/l
 RT: 2.28 min Scan# 526
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	306995		
61	169.0		141.7	212.5
98	63.2		51.6	77.4





#13

Acrolein

Concen: 388.546 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 292902

Ion Ratio Lower Upper

56 100

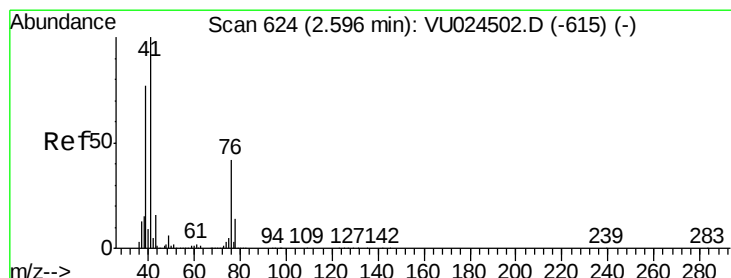
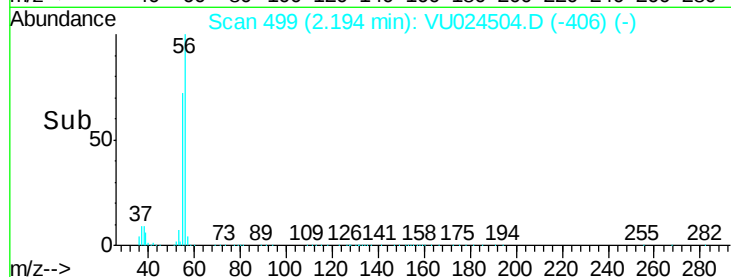
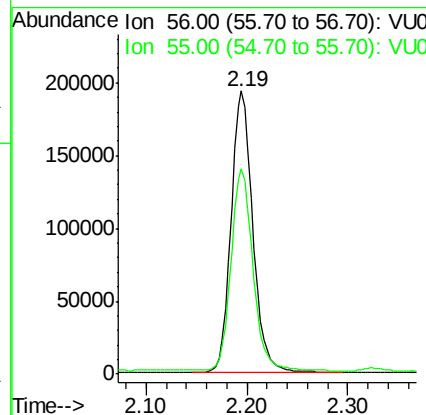
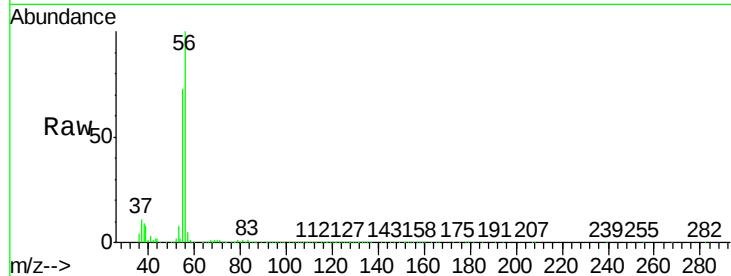
55 72.5 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 136.685 ug/l

RT: 2.59 min Scan# 622

Delta R.T. -0.01 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

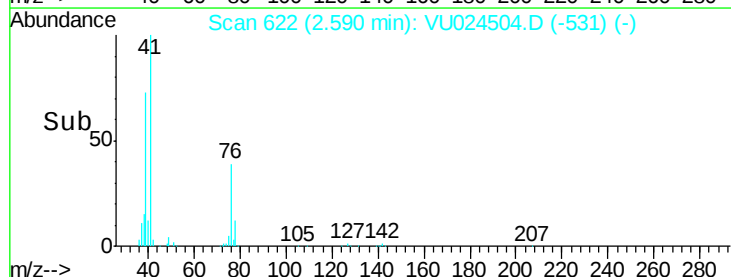
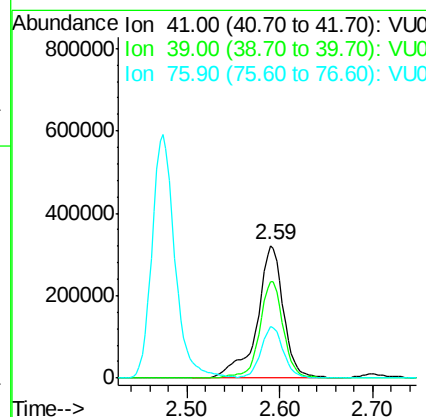
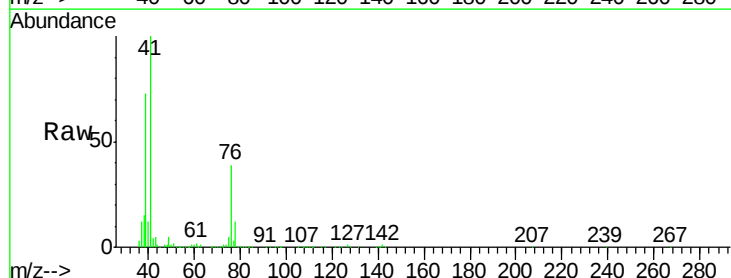
Tgt Ion: 41 Resp: 621655

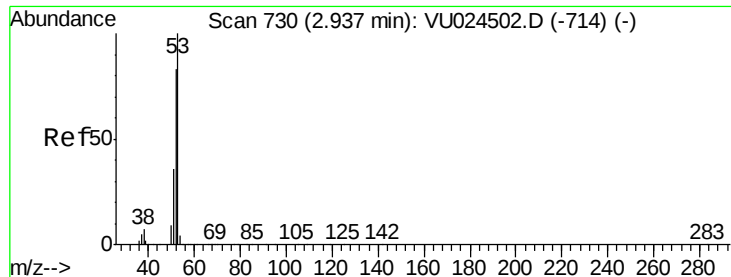
Ion Ratio Lower Upper

41 100

39 66.0 61.6 92.4

76 33.7 29.7 44.5





#15

Acrylonitrile

Concen: 567.630 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 1097925

Ion Ratio Lower Upper

53 100

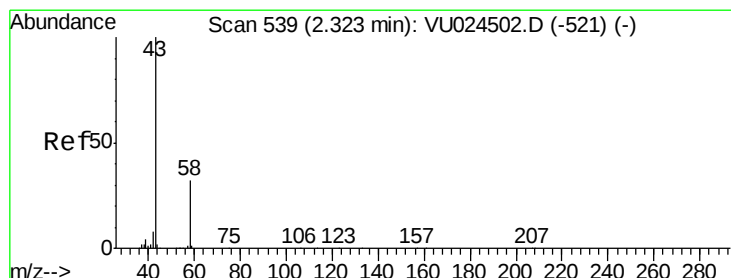
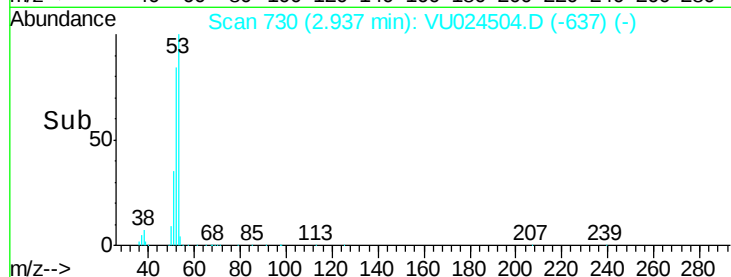
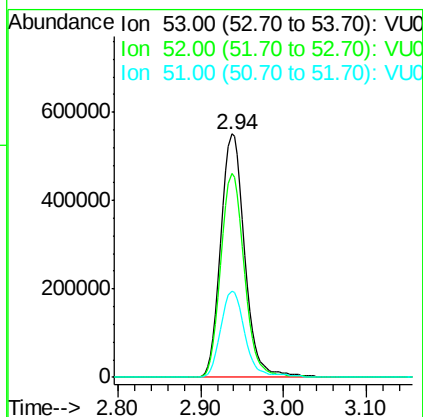
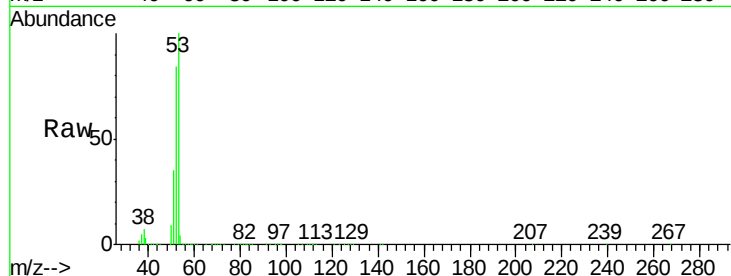
52 82.8 67.1 100.7

51 35.1 28.4 42.6

Manual Integrations
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#16

Acetone

Concen: 496.403 ug/l

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU024504.D

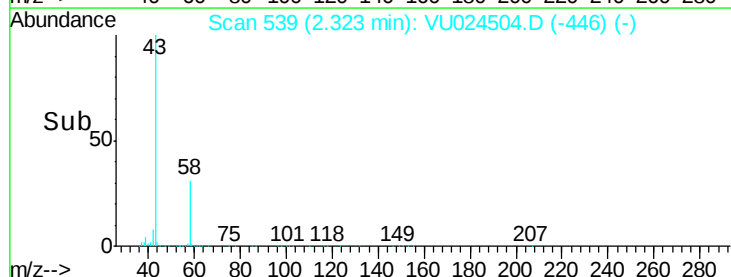
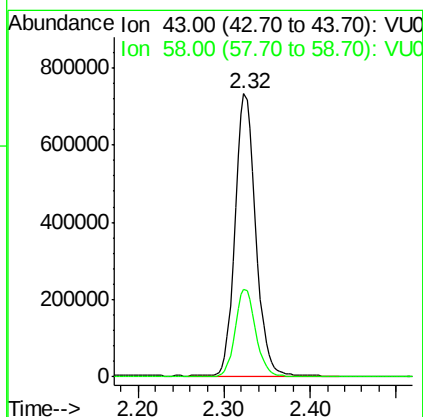
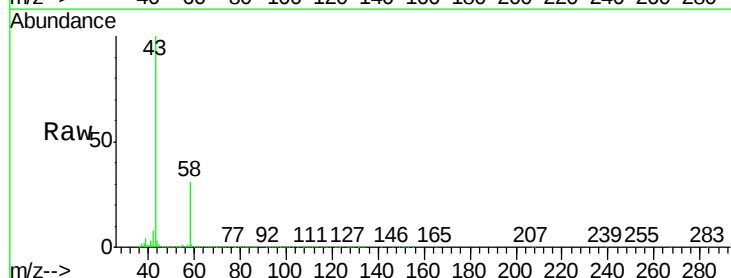
Acq: 13 Jun 2018 13:28

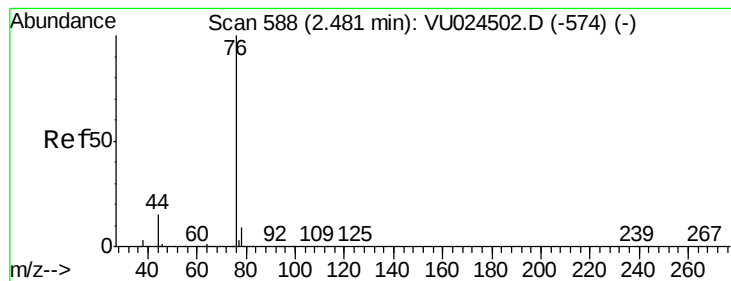
Tgt Ion: 43 Resp: 1208120

Ion Ratio Lower Upper

43 100

58 31.1 24.4 36.6





#17

Carbon Disulfide

Concen: 122.634 ug/l

RT: 2.47 min Scan# 586

Delta R.T. -0.01 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 1011413

Ion Ratio Lower Upper

76 100

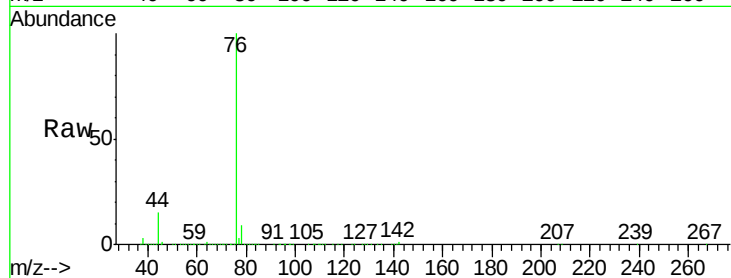
78 9.2 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.47

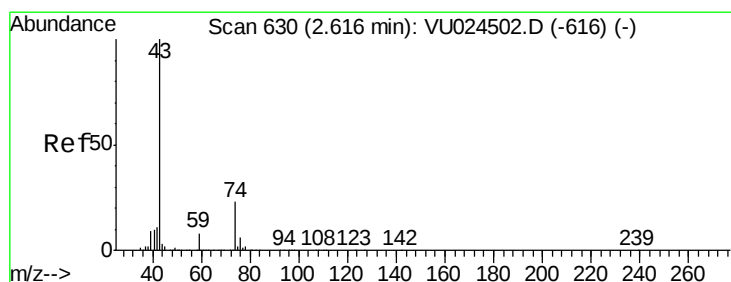
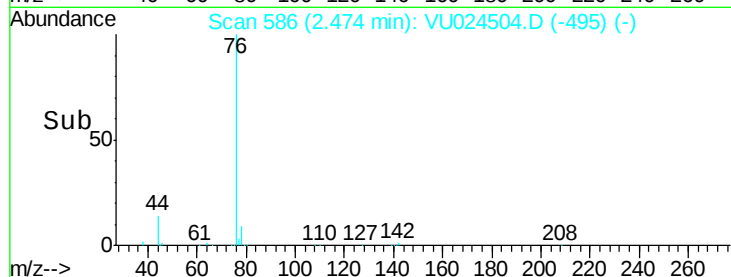
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 106.271 ug/l

RT: 2.62 min Scan# 630

Delta R.T. -0.00 min

Lab File: VU024504.D

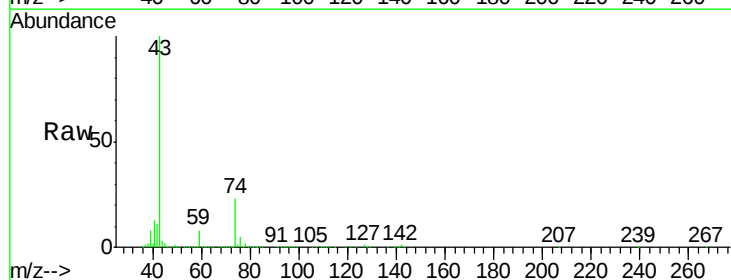
Acq: 13 Jun 2018 13:28

Tgt Ion: 43 Resp: 513986

Ion Ratio Lower Upper

43 100

74 23.3 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

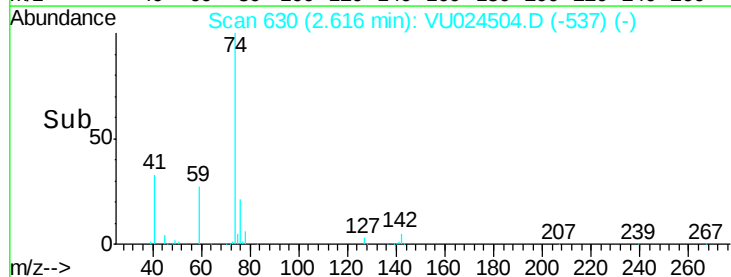
300000

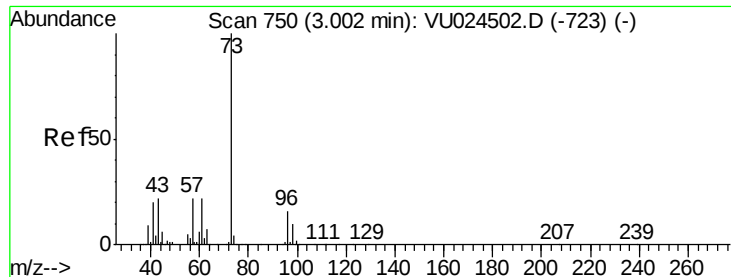
200000

100000

0

Time-->





#19

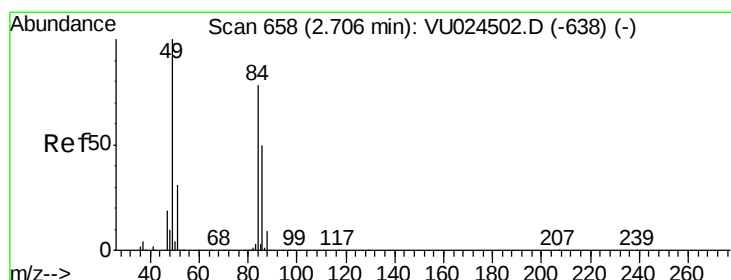
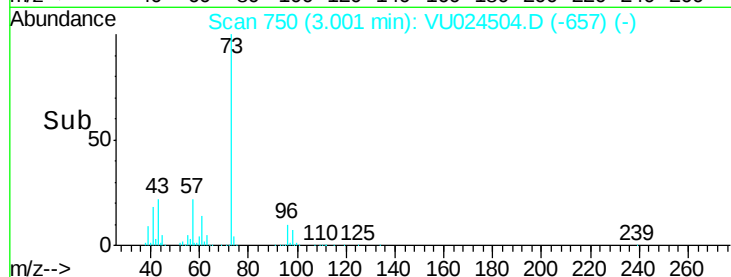
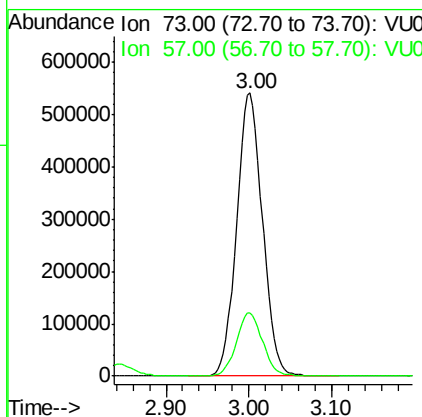
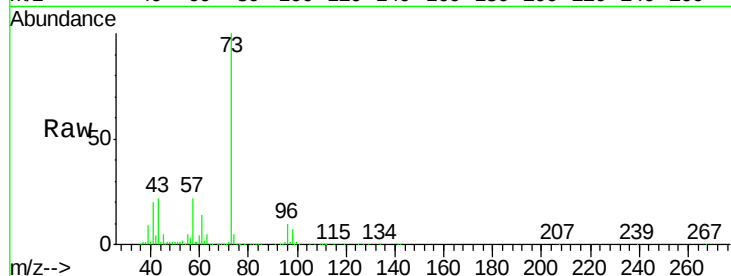
Methyl tert-butyl Ether
 Concen: 139.327 ug/l
 RT: 3.00 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion: 73 Resp: 1173711
 Ion Ratio Lower Upper
 73 100
 57 22.2 18.8 28.2

Manual Integrations
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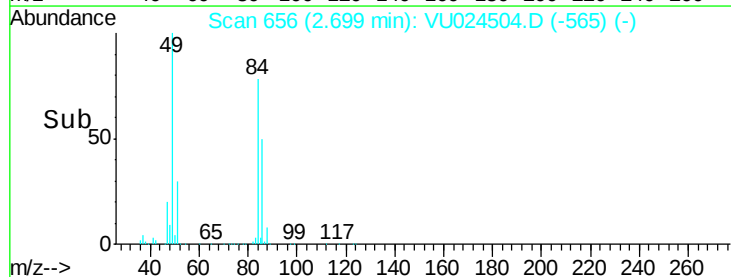
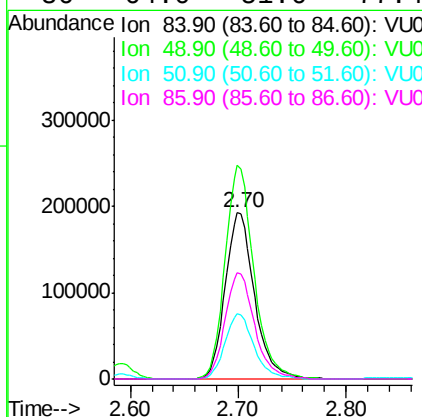
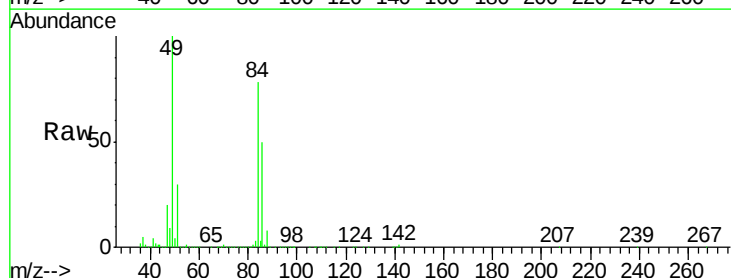
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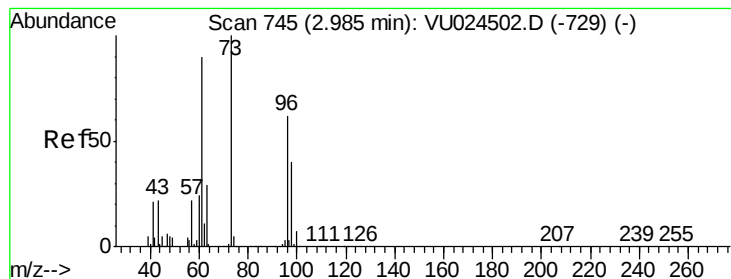


#20

Methylene Chloride
 Concen: 108.560 ug/l
 RT: 2.70 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion: 84 Resp: 363048
 Ion Ratio Lower Upper
 84 100
 49 128.6 103.8 155.8
 51 39.1 32.0 48.0
 86 64.0 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 119.132 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

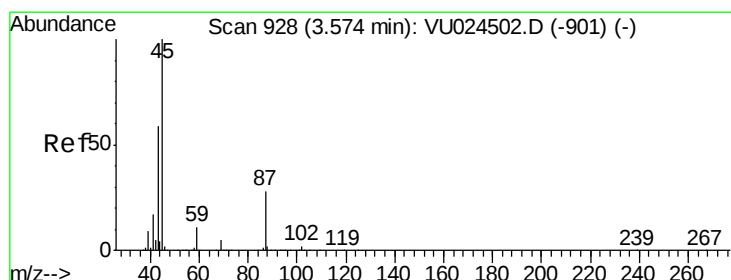
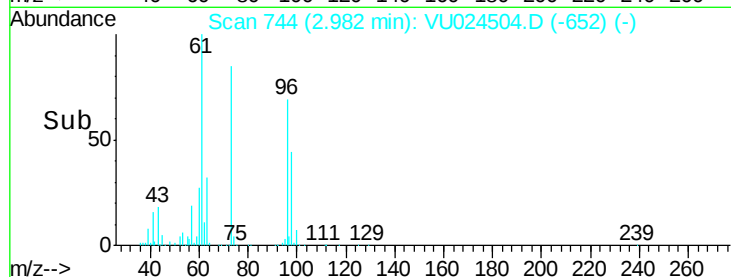
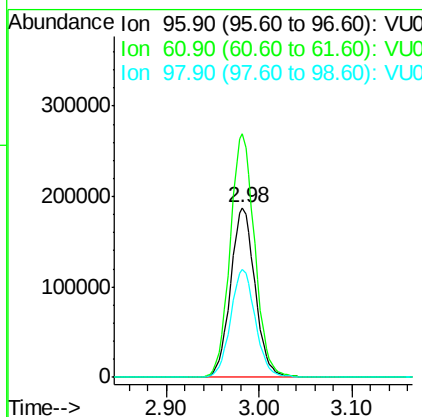
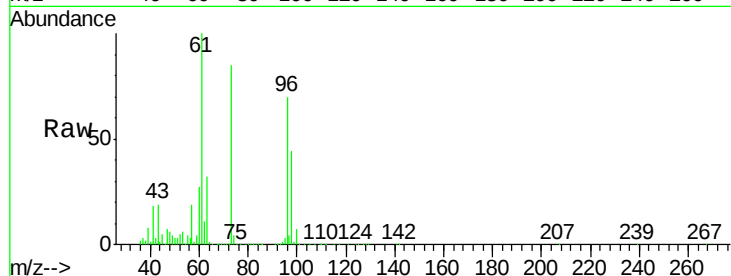
ClientSampleId :

VSTDIC150

Tgt Ion:	96	Resp:	342667
Ion Ratio	Lower	Upper	
96	100		
61	143.9	119.4	179.0
98	63.7	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 125.100 ug/l

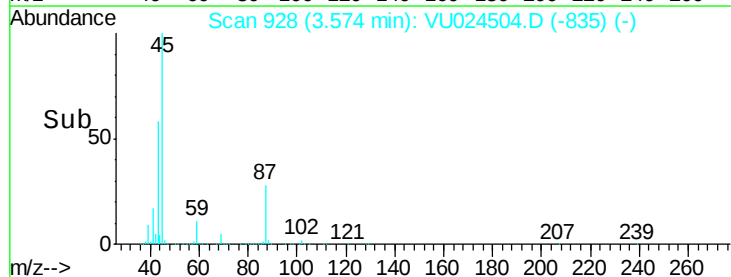
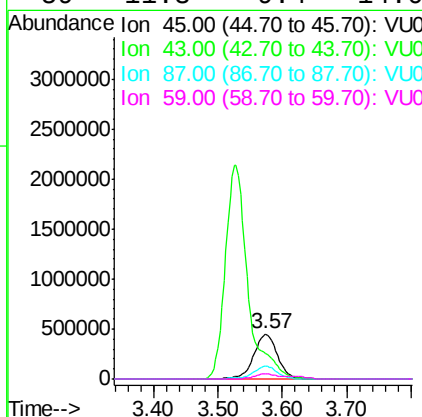
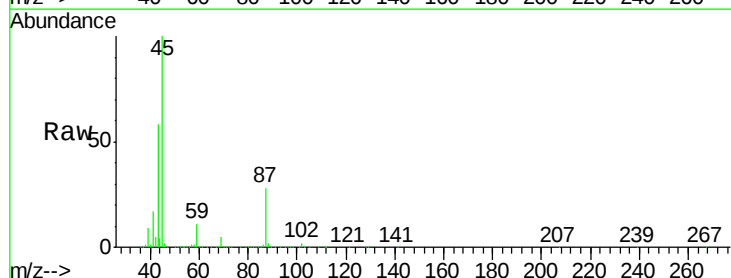
RT: 3.57 min Scan# 928

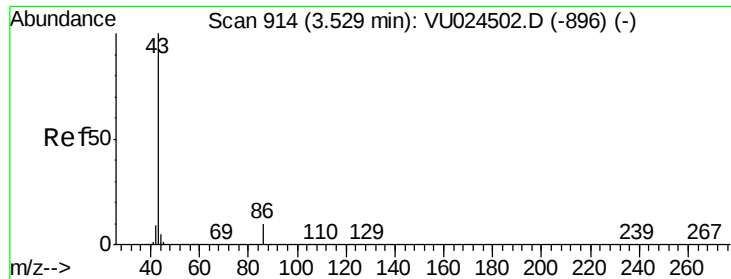
Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Tgt Ion:	45	Resp:	1146437
Ion Ratio	Lower	Upper	
45	100		
43	57.8	45.8	68.6
87	28.2	20.6	31.0
59	11.3	9.4	14.0





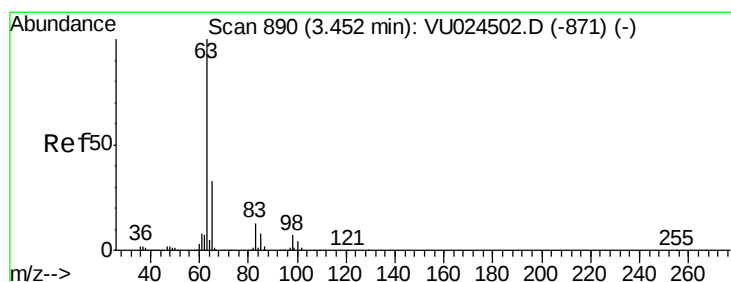
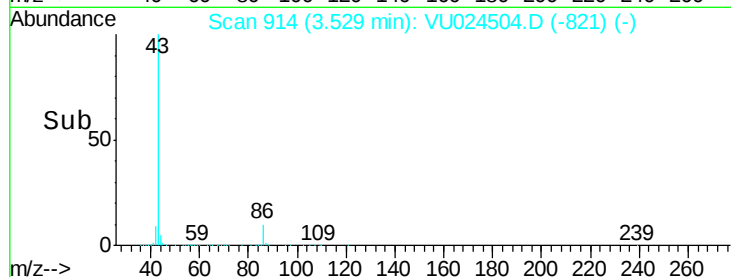
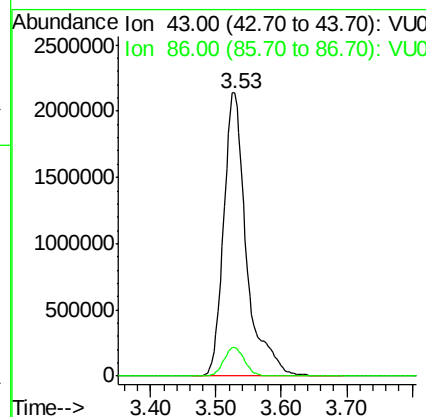
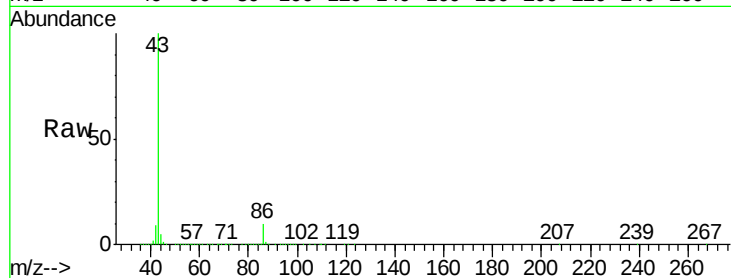
#23
 Vinyl Acetate
 Concen: 771.072 ug/l
 RT: 3.53 min Scan# 914
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp: 5193302
 Ion Ratio Lower Upper
 43 100
 86 10.3 7.8 11.8

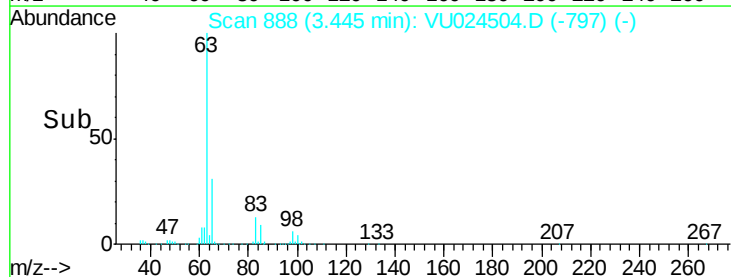
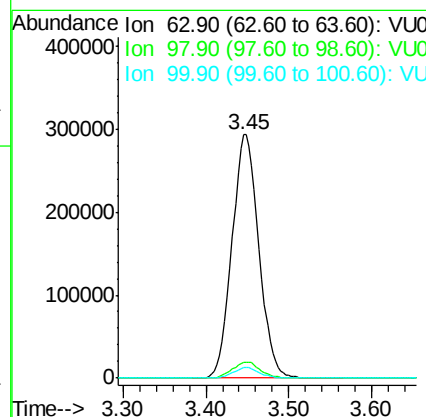
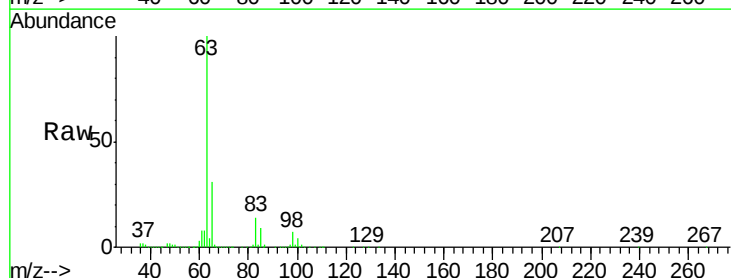
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#24
 1,1-Dichloroethane
 Concen: 114.984 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. -0.01 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion: 63 Resp: 659738
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.5 10.4
 100 4.2 1.8 5.5





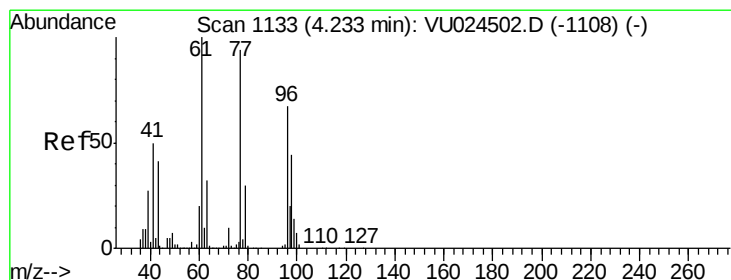
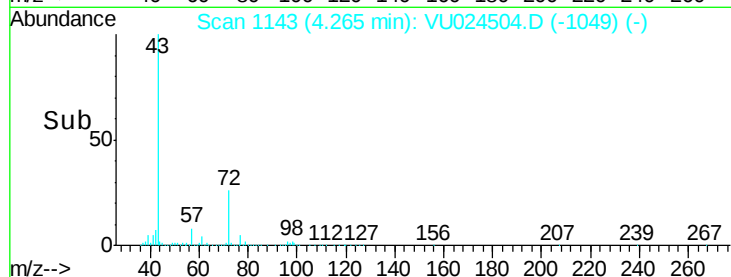
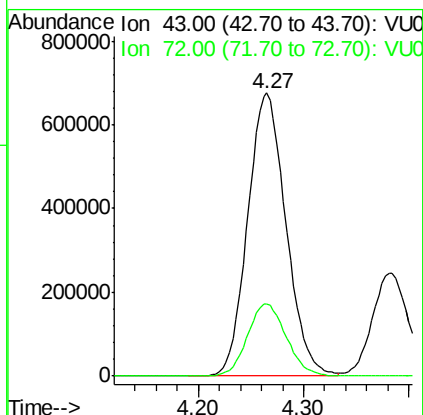
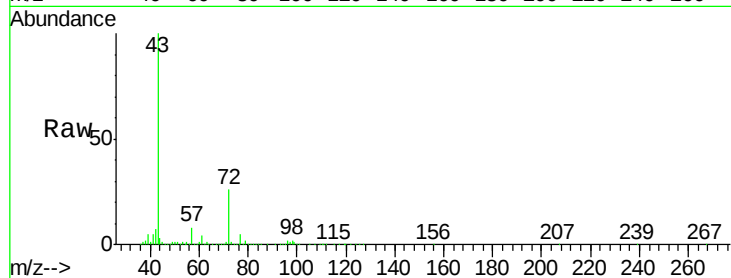
#25
2-Butanone
Concen: 582.427 ug/l
RT: 4.27 min Scan# 1143
Delta R.T. 0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 1695005
Ion Ratio Lower Upper
43 100
72 25.6 19.6 29.4

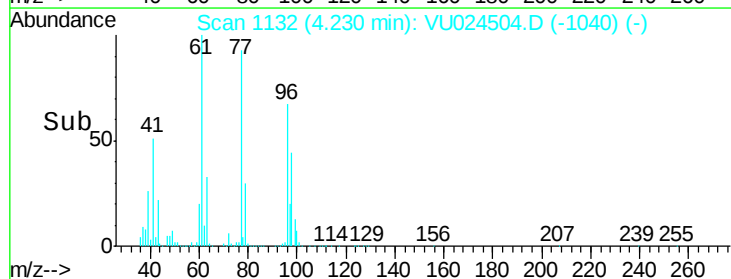
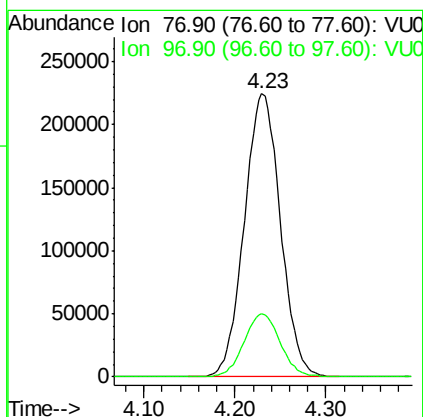
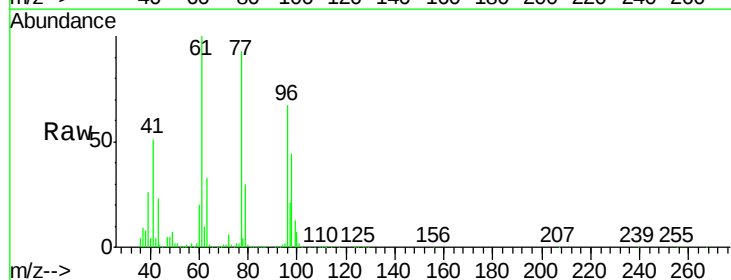
Manual Integrations
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MMDadoda
6/14/2018 9:44:43 AM



#26
2,2-Dichloropropane
Concen: 140.850 ug/l
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion: 77 Resp: 616139
Ion Ratio Lower Upper
77 100
97 22.1 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 126.258 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

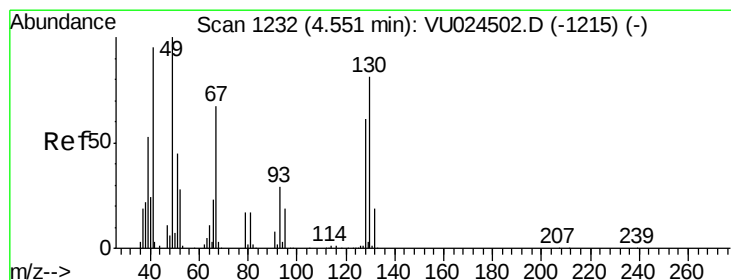
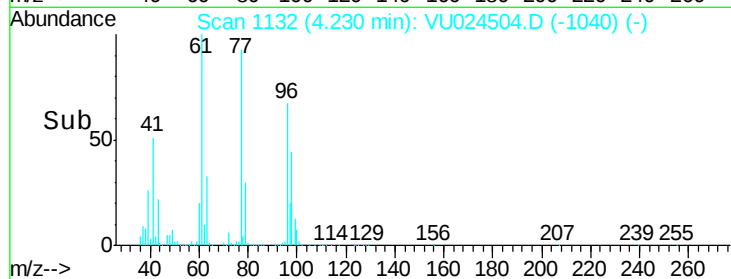
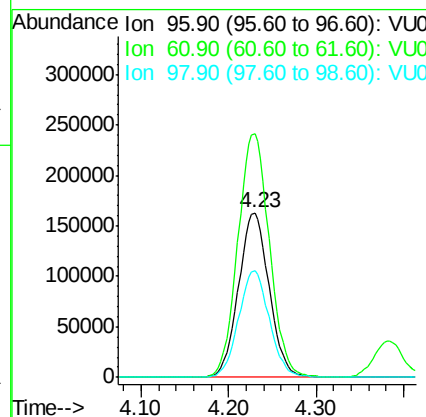
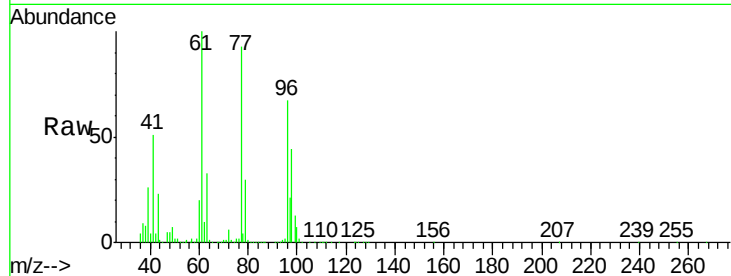
ClientSampleId :

VSTDIC150

Tgt Ion:	96	Resp:	394624
Ion Ratio	Lower	Upper	
96	100		
61	152.8	0.0	306.6
98	64.6	0.0	128.8

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#28

Bromochloromethane

Concen: 134.967 ug/l

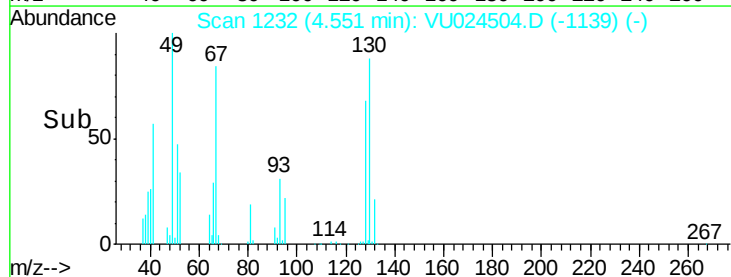
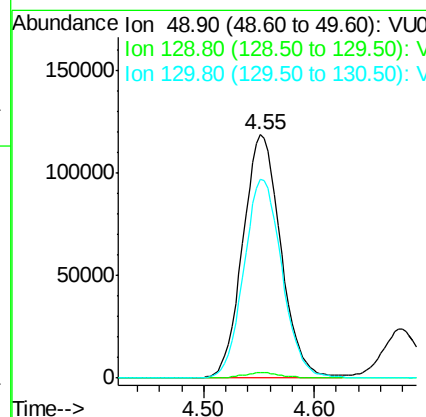
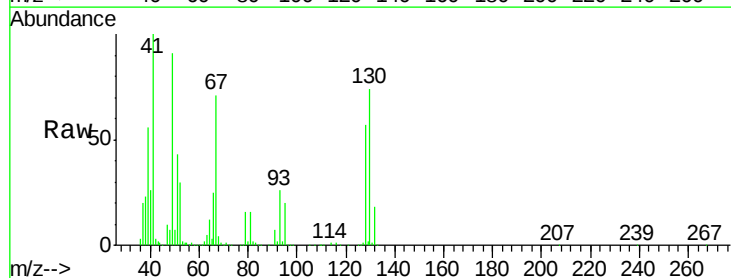
RT: 4.55 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Tgt Ion:	49	Resp:	283590
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	3.8
130	82.0	57.8	86.6





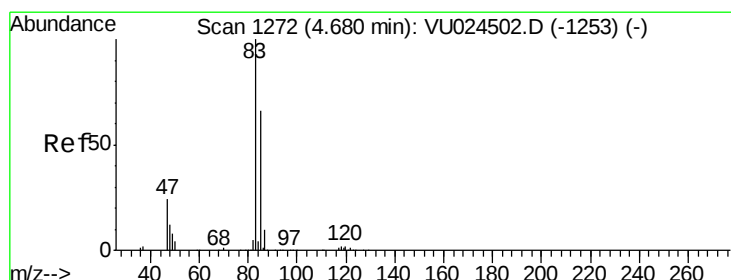
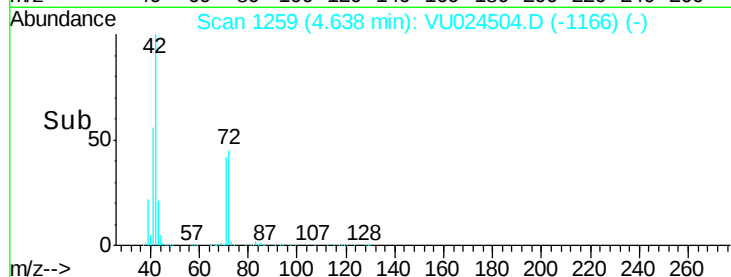
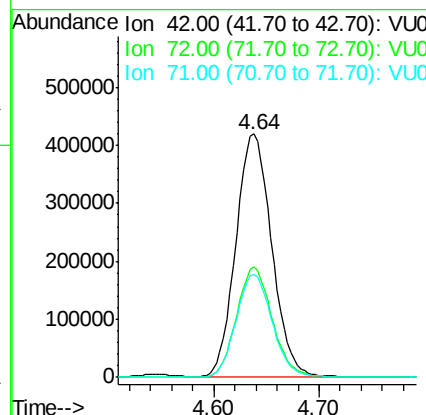
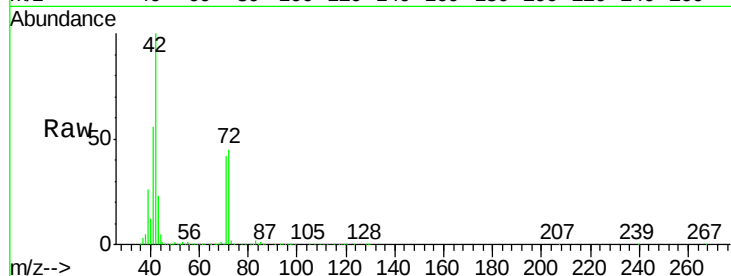
#29
Tetrahydrofuran
Concen: 594.049 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
42	100		
72	45.4	34.5	51.7
71	42.4	32.2	48.4

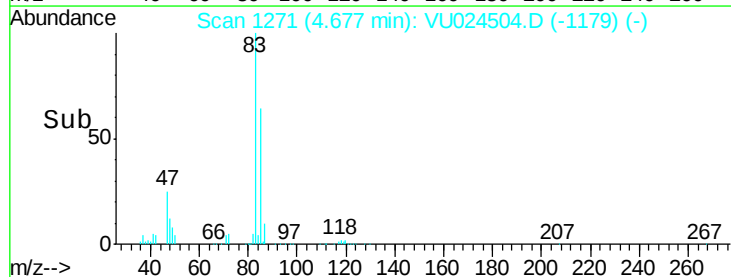
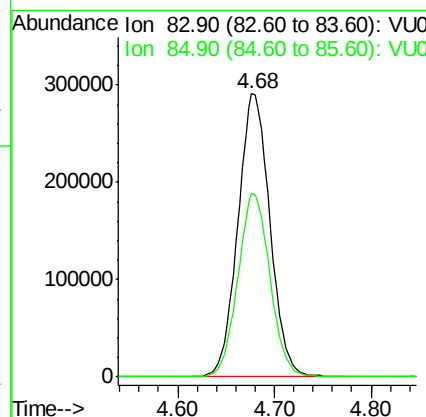
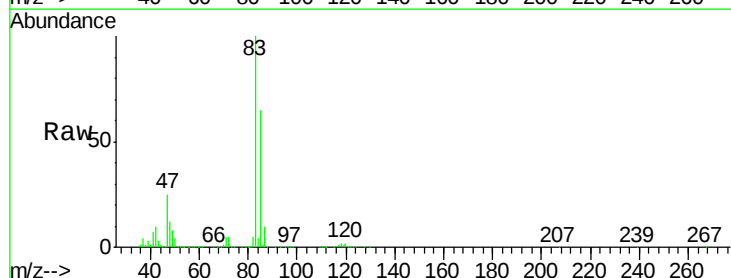
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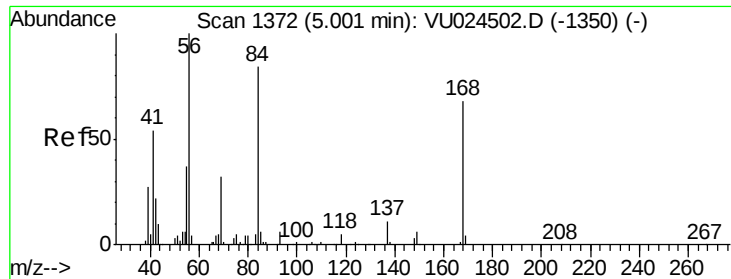
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#30
Chloroform
Concen: 114.251 ug/l
RT: 4.68 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	52.4	78.6





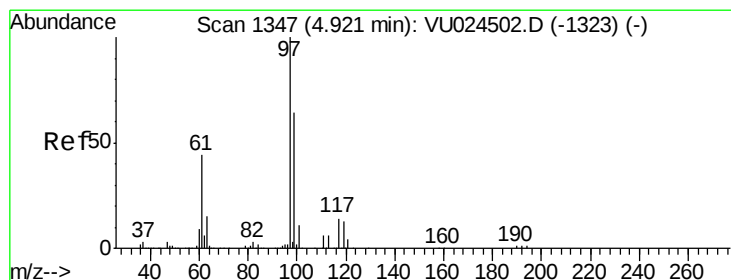
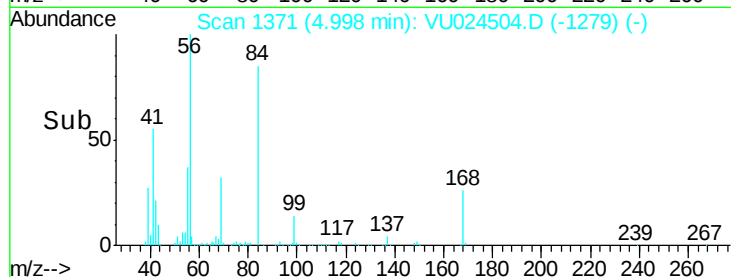
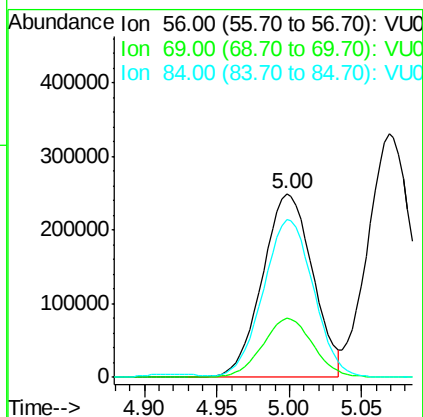
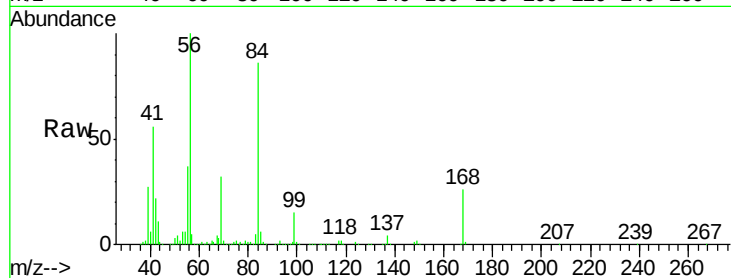
#31
Cyclohexane
Concen: 105.166 ug/l
RT: 5.00 min Scan# 1371
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.8	24.8	37.2
84	84.3	65.2	97.8

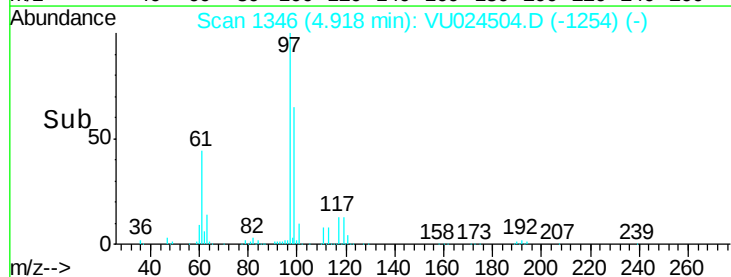
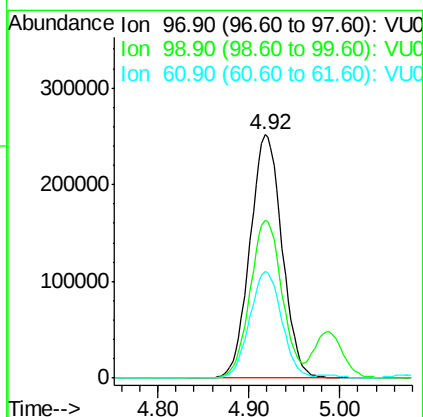
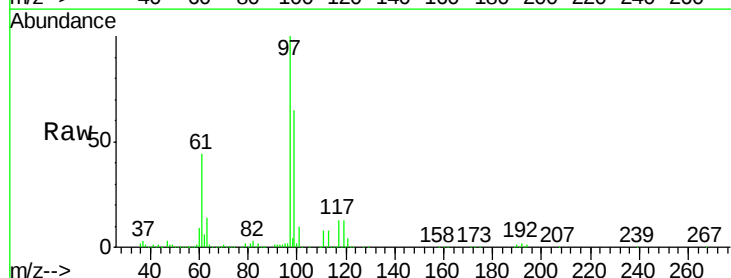
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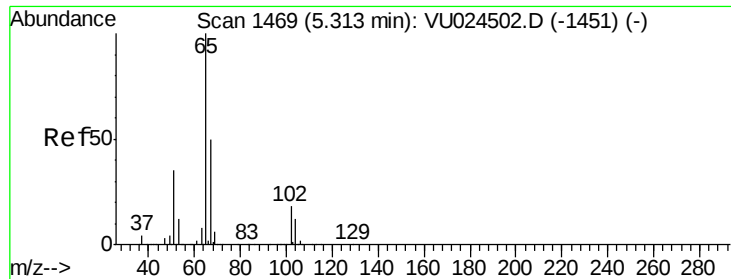
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#32
1,1,1-Trichloroethane
Concen: 130.977 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.6
61	44.0	39.4	59.0





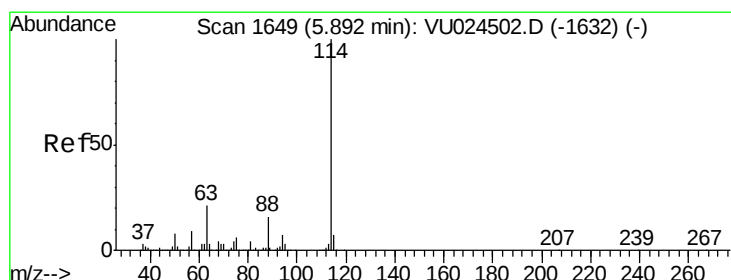
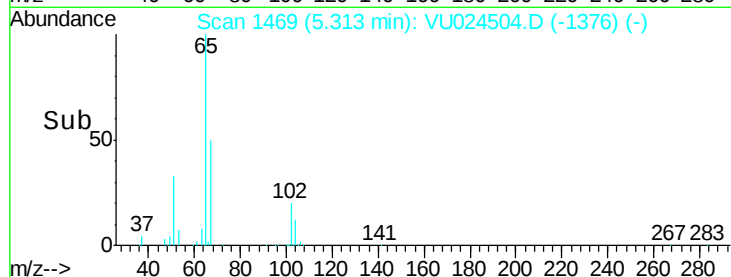
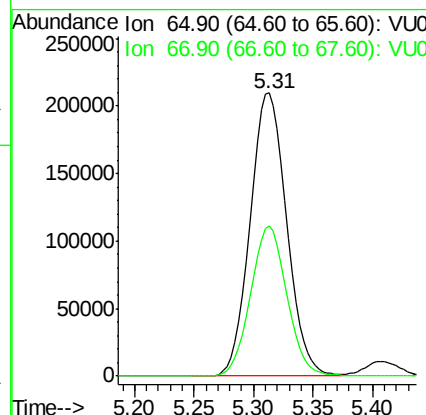
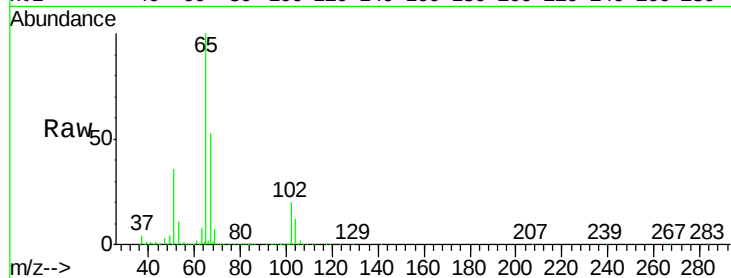
#33
 1,2-Dichloroethane-d4
 Concen: 116.920 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	445713		
67	52.1	0.0	107.0	

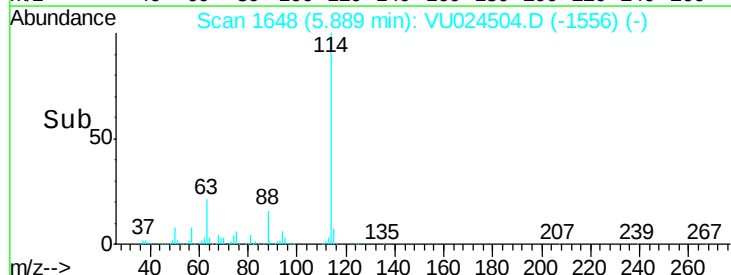
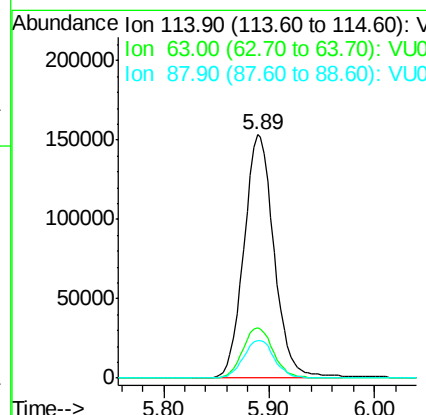
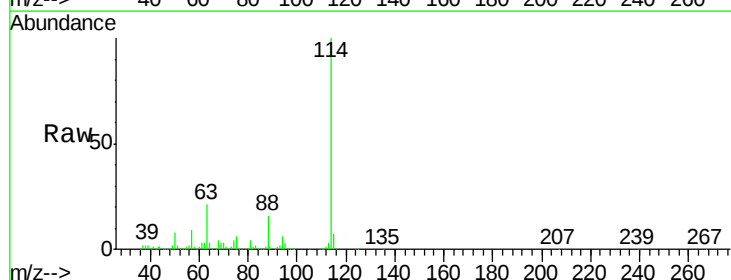
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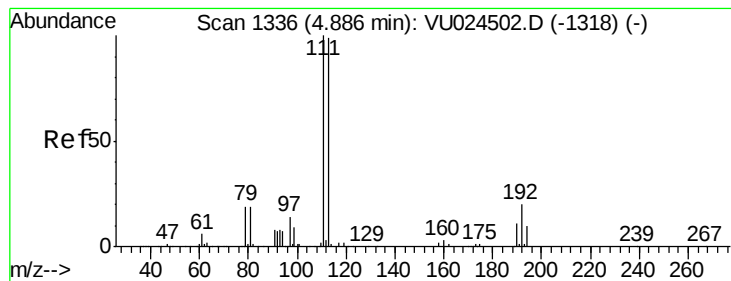
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	304625		
63	20.6	0.0	45.4	
88	15.7	0.0	31.0	





#35

Dibromofluoromethane

Concen: 115.981 ug/l

RT: 4.89 min Scan# 1336

Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

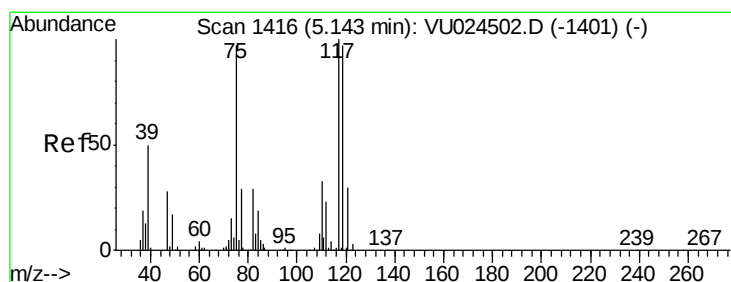
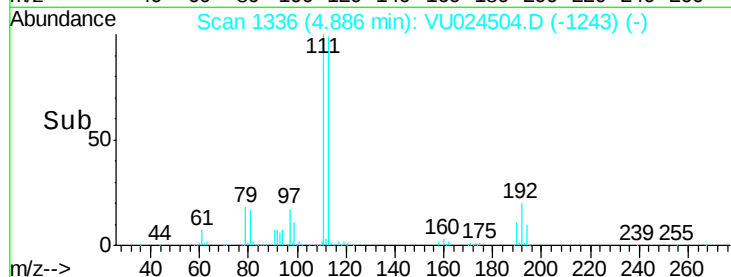
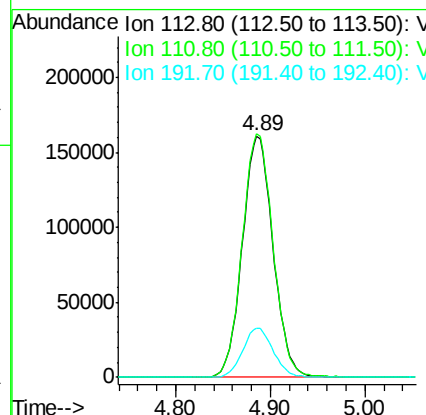
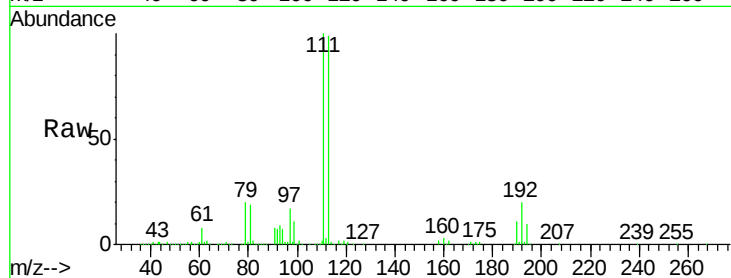
ClientSampleId :

VSTDIC150

Tgt Ion:	113	Resp:	362857
Ion Ratio	Lower	Upper	
113	100		
111	101.3	82.2	123.4
192	20.3	16.2	24.4

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#36

1,1-Dichloropropene

Concen: 117.212 ug/l

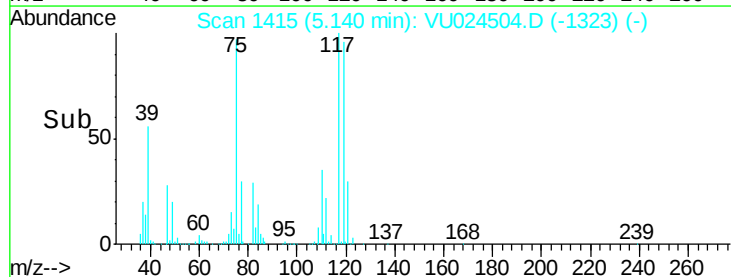
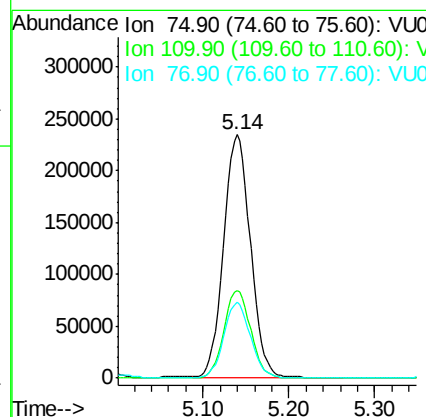
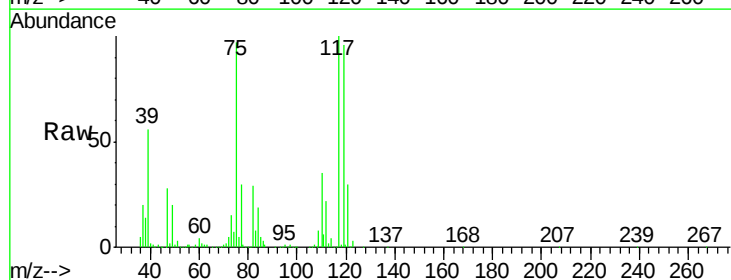
RT: 5.14 min Scan# 1415

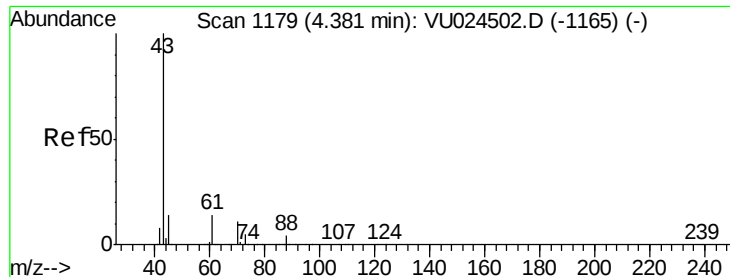
Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Tgt Ion:	75	Resp:	509556
Ion Ratio	Lower	Upper	
75	100		
110	36.0	17.0	50.9
77	30.6	24.2	36.4





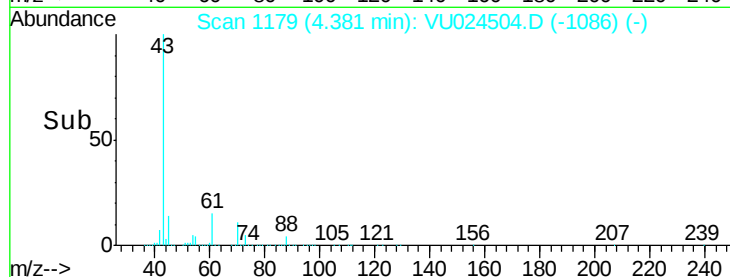
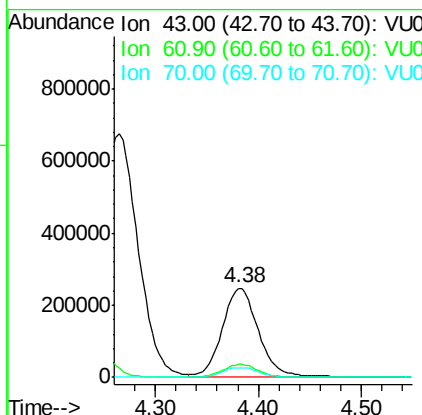
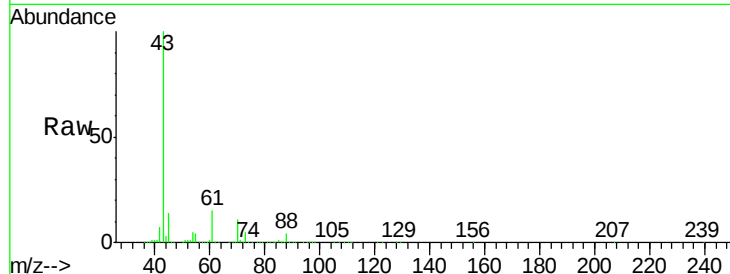
#37
Ethyl Acetate
Concen: 121.274 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.5	15.7
70	10.9	7.4	11.2

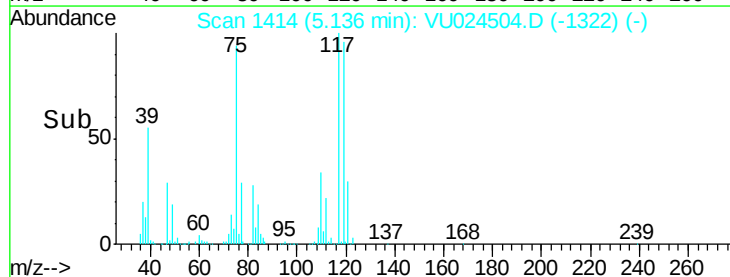
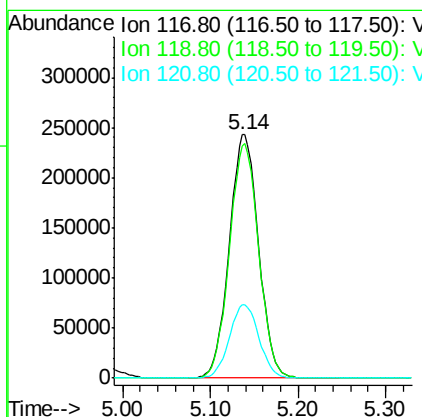
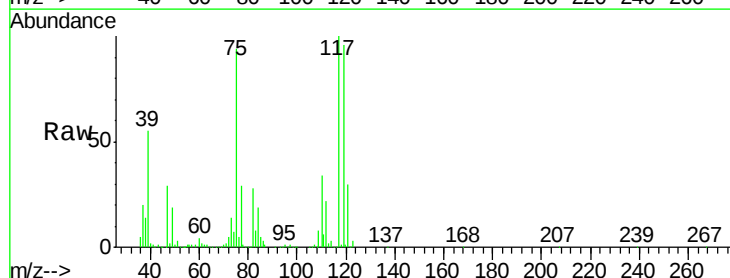
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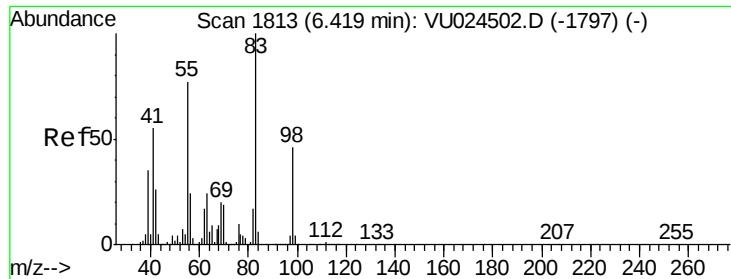
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#38
Carbon Tetrachloride
Concen: 135.355 ug/l
RT: 5.14 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.1	114.1
121	30.2	23.7	35.5





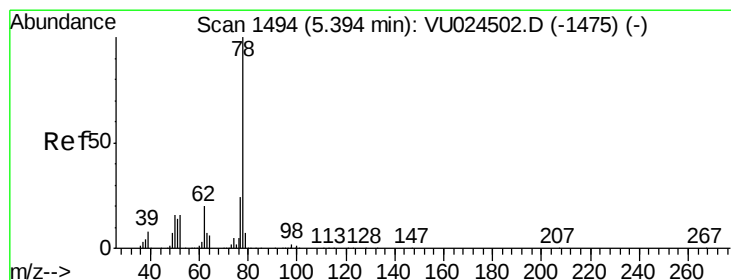
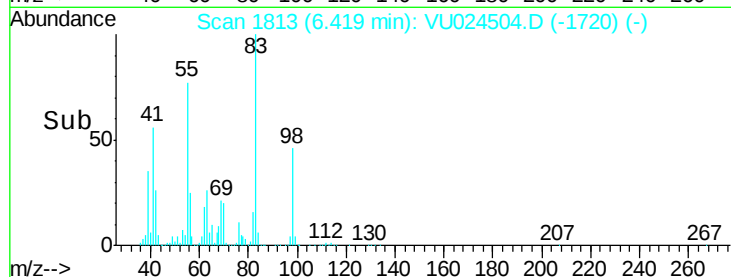
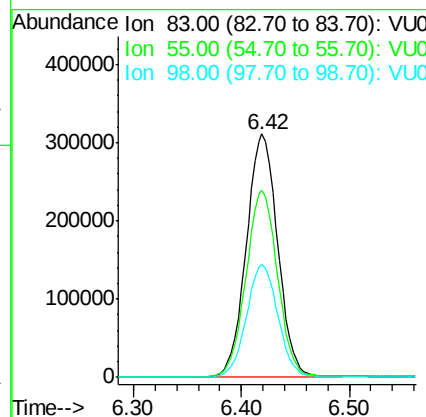
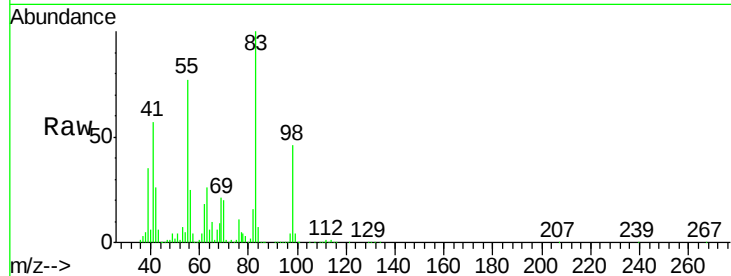
#39
Methylcyclohexane
Concen: 133.660 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.8	65.8	98.6
98	46.3	36.7	55.1

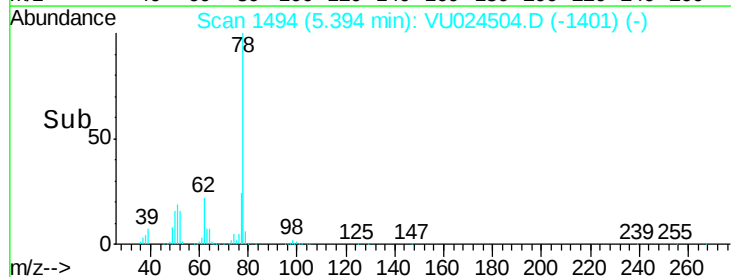
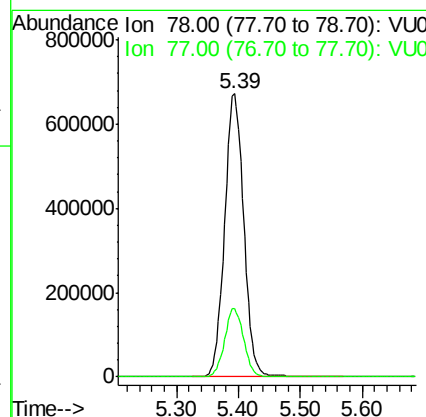
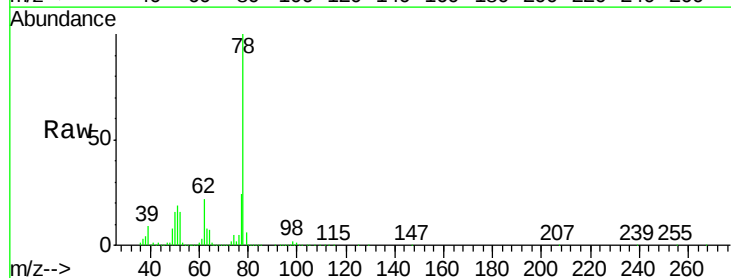
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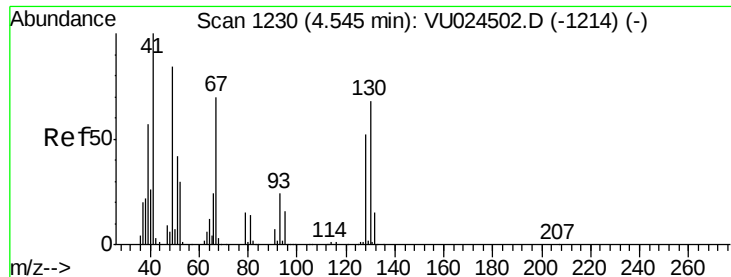
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#40
Benzene
Concen: 110.027 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





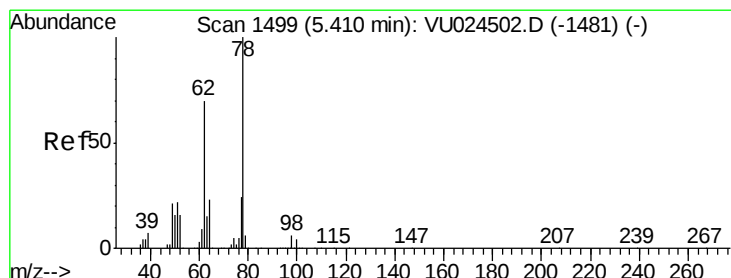
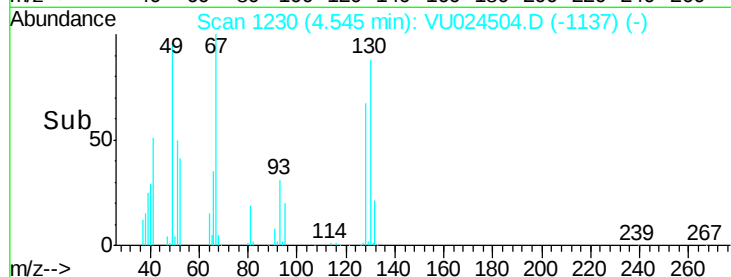
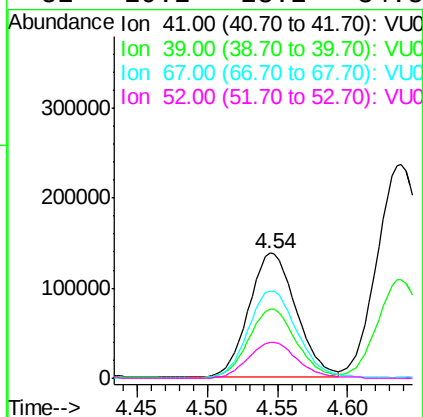
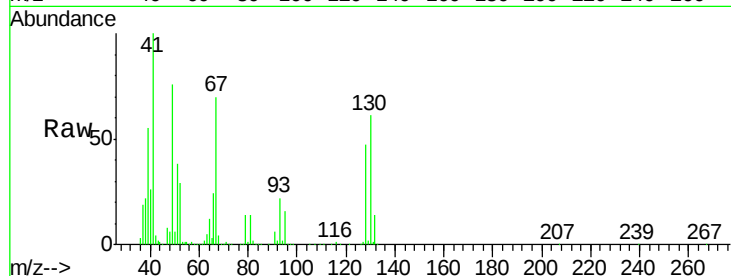
#41
Methacrylonitrile
Concen: 118.763 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.5	43.8	65.6	
67	71.8	56.3	84.5	
52	29.2	23.2	34.8	

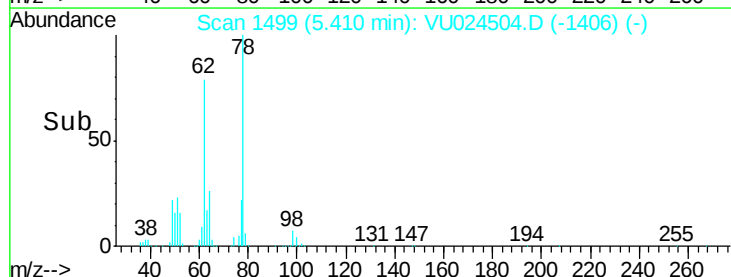
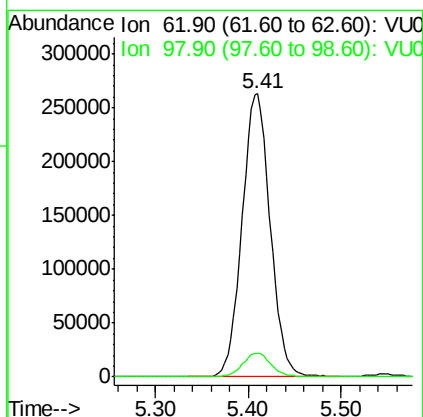
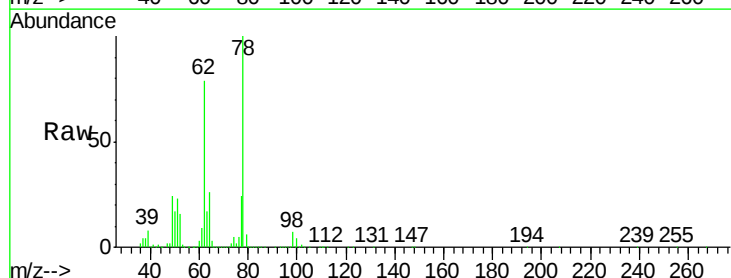
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#42
1,2-Dichloroethane
Concen: 110.266 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.2	0.0	16.6	





#43

Isopropyl Acetate

Concen: 131.912 ug/l

RT: 5.55 min Scan# 1543

Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

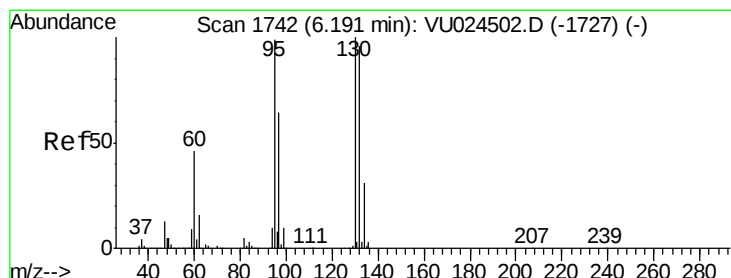
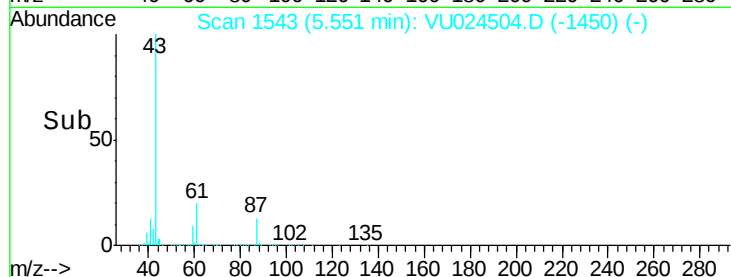
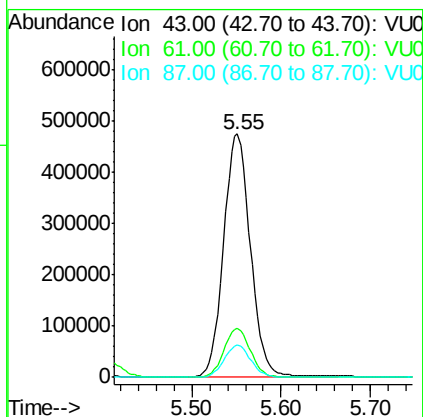
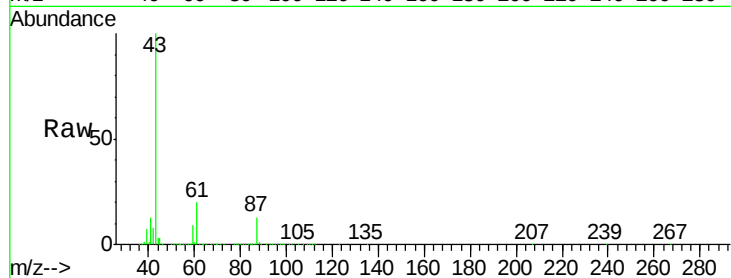
ClientSampleId :

VSTDIC150

Tgt Ion:	43	Resp:	979224
Ion	Ratio	Lower	Upper
43	100		
61	20.0	15.4	23.0
87	13.3	10.0	15.0

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#44

Trichloroethene

Concen: 120.563 ug/l

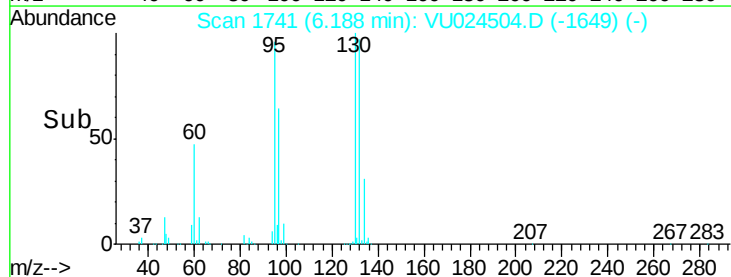
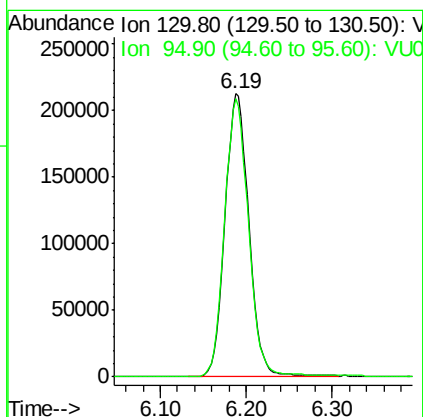
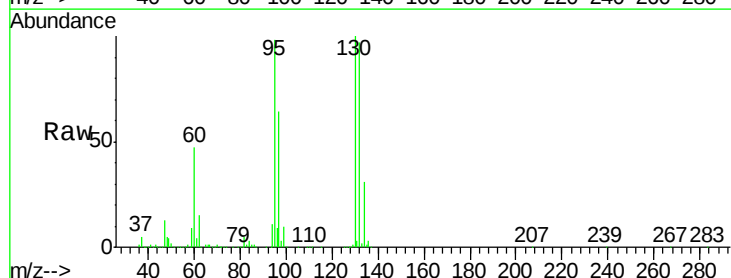
RT: 6.19 min Scan# 1741

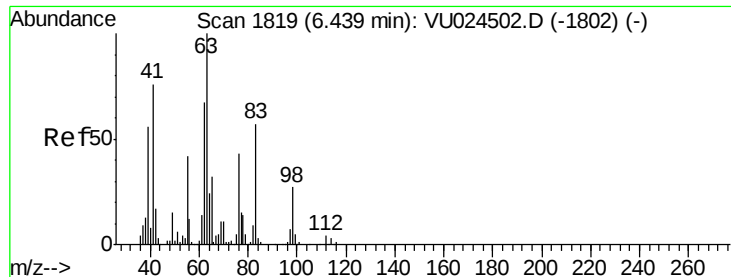
Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Tgt Ion:	130	Resp:	411617
Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	202.4





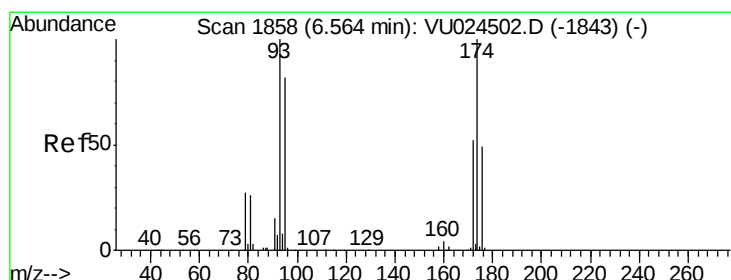
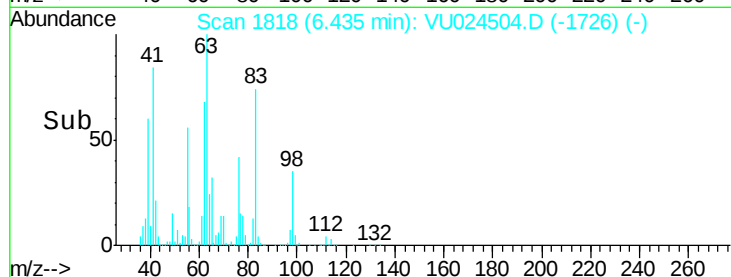
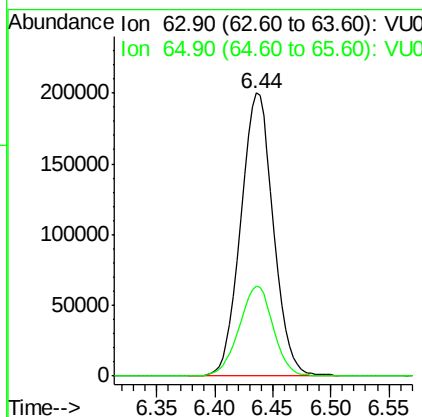
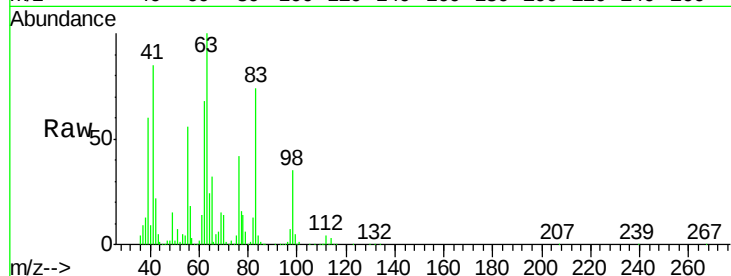
#45
 1,2-Dichloropropane
 Concen: 111.257 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 391798
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2

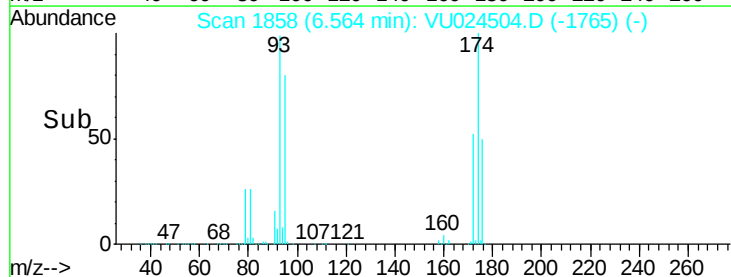
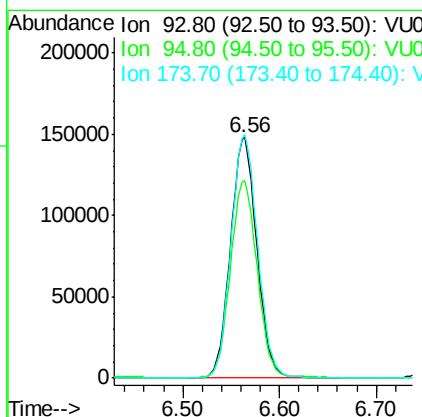
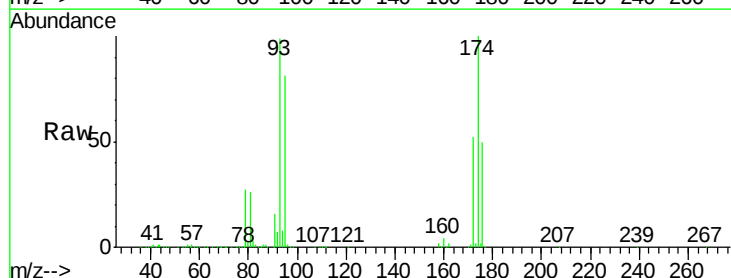
Manual Integrations
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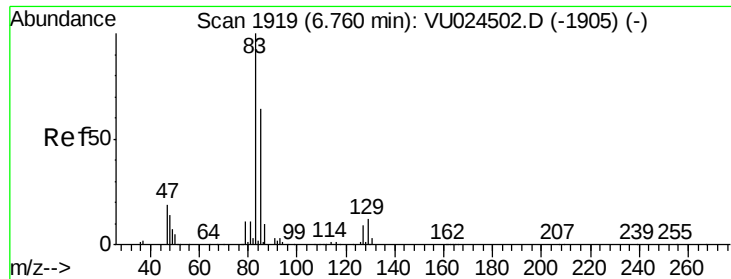
MMDadoda
 6/14/2018 9:44:43 AM



#46
 Dibromomethane
 Concen: 119.812 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion: 93 Resp: 279326
 Ion Ratio Lower Upper
 93 100
 95 82.8 65.5 98.3
 174 102.3 78.7 118.1





#47

Bromodichloromethane

Concen: 122.588 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

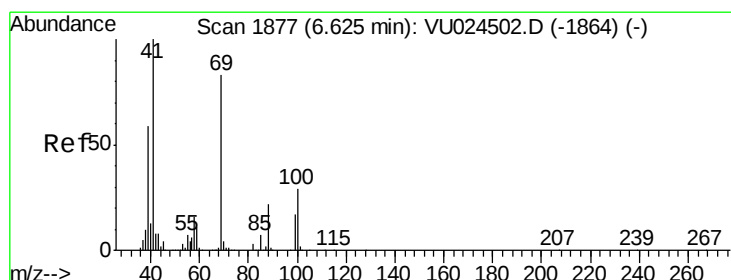
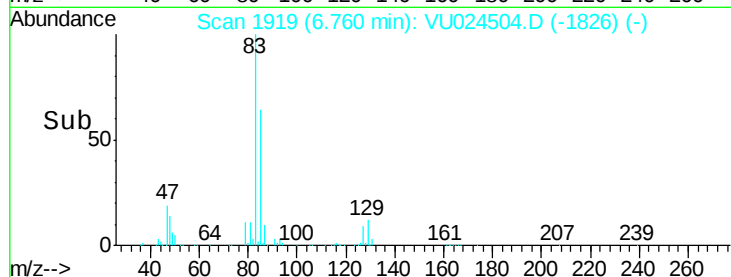
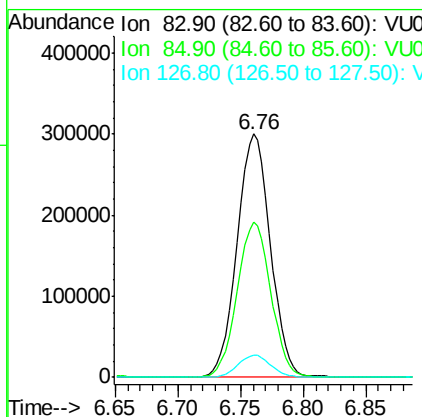
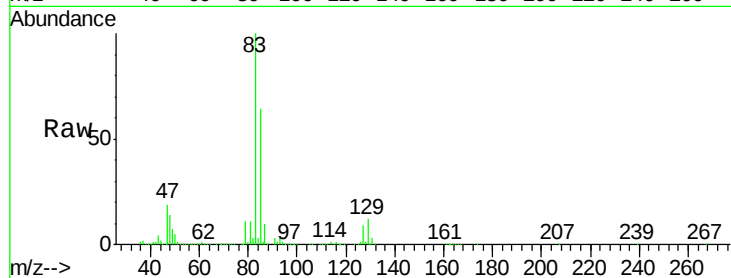
ClientSampleId :

VSTDIC150

Tgt Ion:	83	Resp:	552942
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.9	77.9
127	9.1	6.6	9.8

Manual Integrations
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6/14/2018 9:44:43 AM



#48

Methyl methacrylate

Concen: 133.877 ug/l

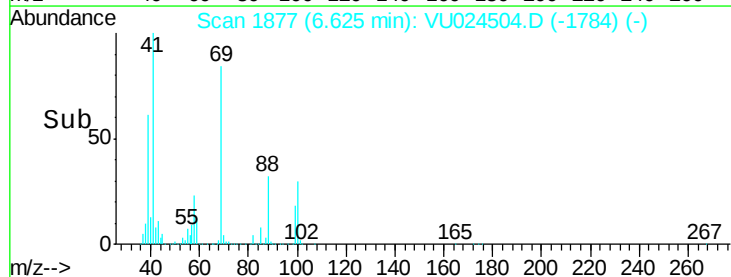
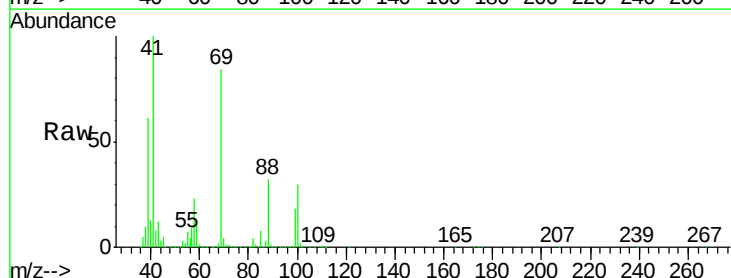
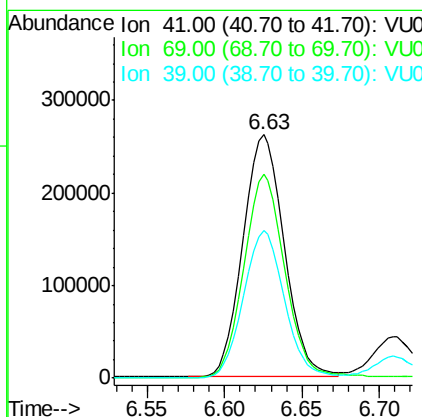
RT: 6.63 min Scan# 1877

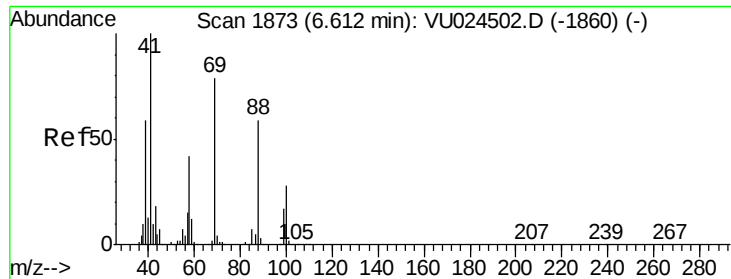
Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Tgt Ion:	41	Resp:	487206
Ion Ratio	Lower	Upper	
41	100		
69	83.2	67.3	100.9
39	60.1	46.5	69.7





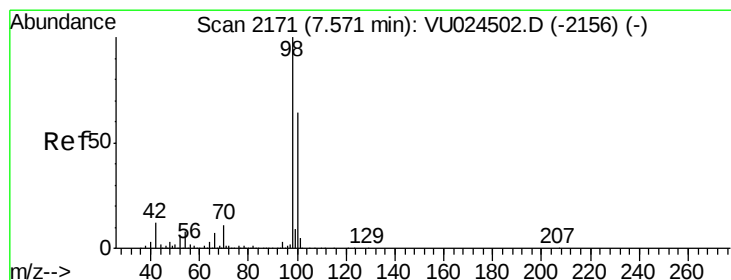
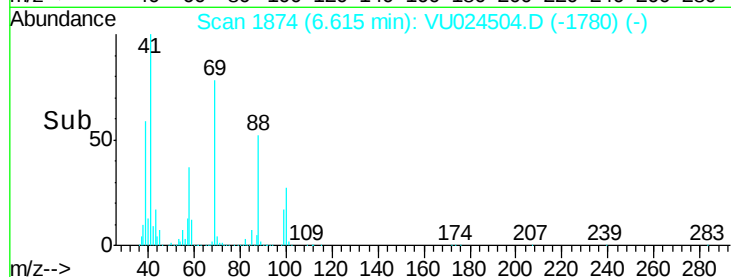
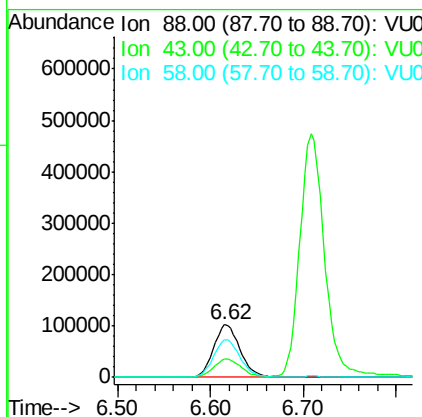
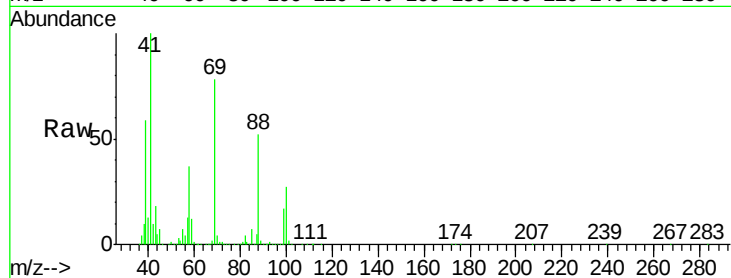
#49
1,4-Dioxane
Concen: 2616.375 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
88	100		
43	33.3	28.6	42.8
58	71.8	58.2	87.4

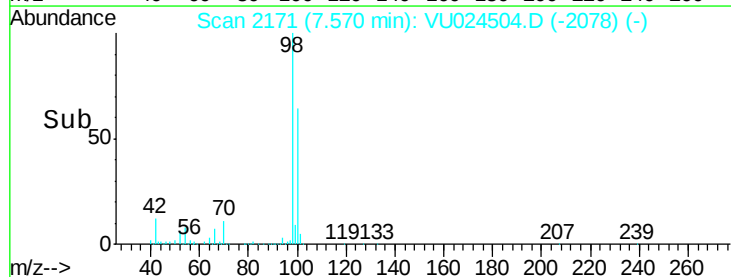
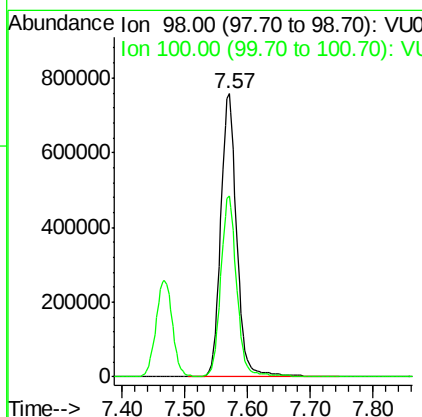
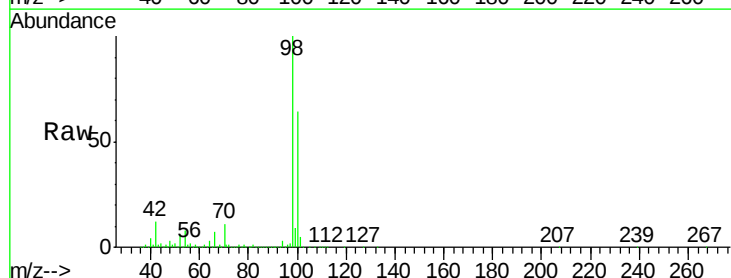
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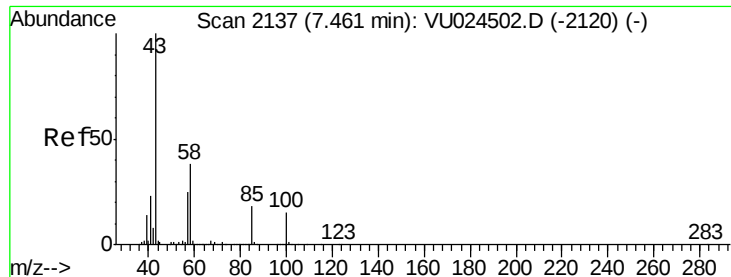
MMDadoda
6/14/2018 9:44:43 AM



#50
Toluene-d8
Concen: 114.828 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 593.104 ug/l

RT: 7.47 min Scan# 2139

Delta R.T. 0.01 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 3176483

Ion Ratio Lower Upper

43 100

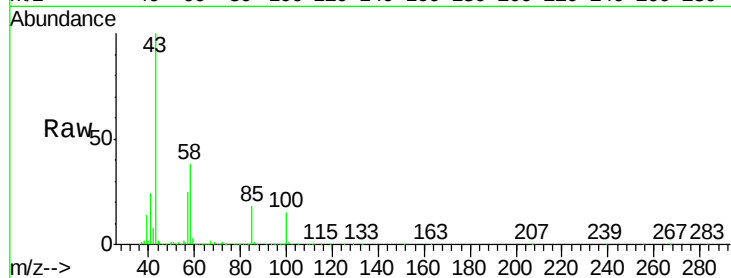
58 38.4 30.0 45.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU024502.D (-2120) (-)

Ion 58.00 (57.70 to 58.70): VU024502.D (-2120) (-)

2000000

1500000

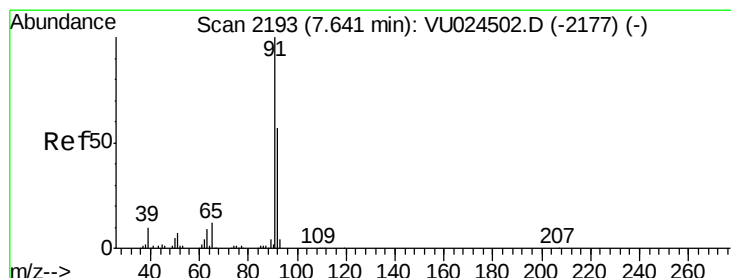
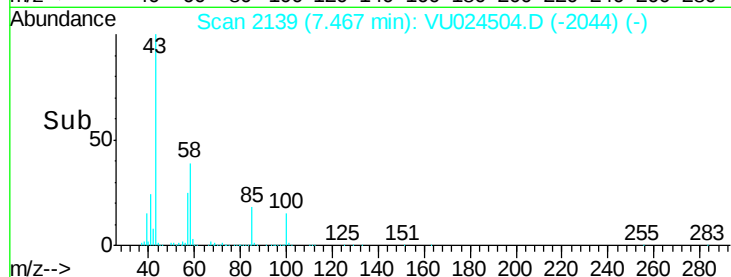
1000000

500000

0

7.40 7.50

Time-->



#52

Toluene

Concen: 121.327 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024504.D

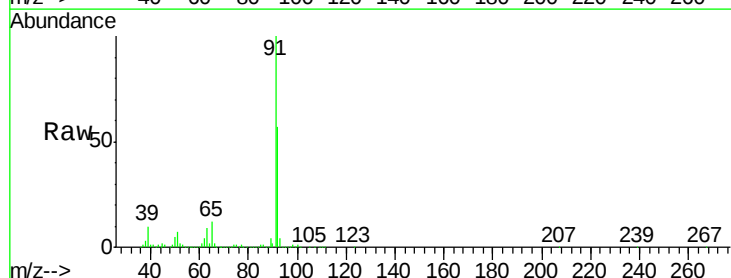
Acq: 13 Jun 2018 13:28

Tgt Ion: 92 Resp: 943470

Ion Ratio Lower Upper

92 100

91 173.4 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU024502.D (-2177) (-)

Ion 91.00 (90.70 to 91.70): VU024502.D (-2177) (-)

1000000

800000

600000

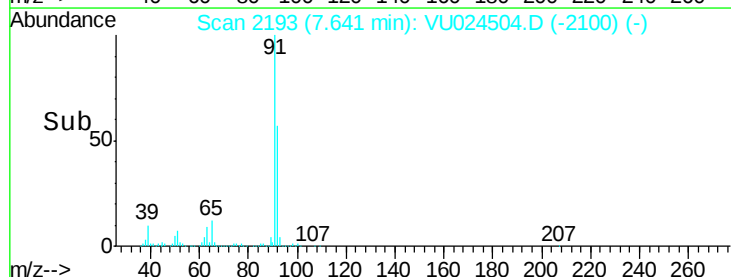
400000

200000

0

7.50 7.60 7.70 7.80

Time-->





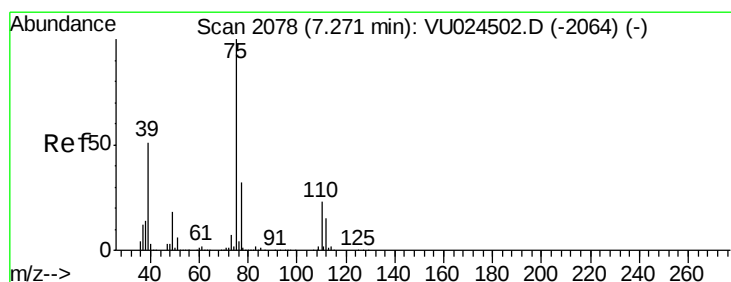
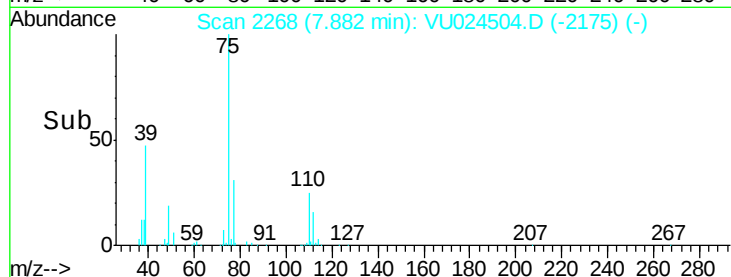
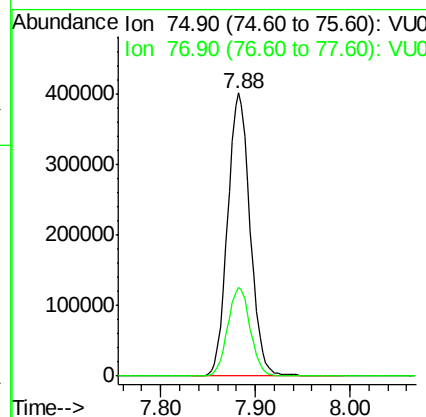
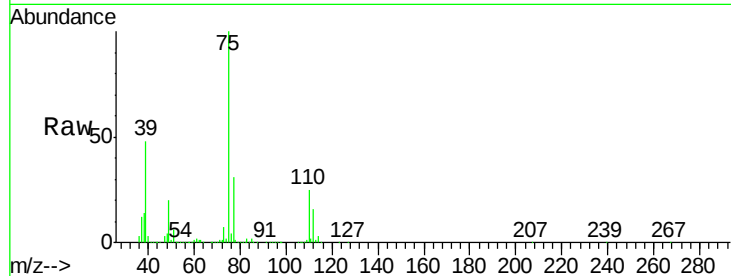
#53
t-1,3-Dichloropropene
Concen: 141.207 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion: 75 Resp: 662358
Ion Ratio Lower Upper
75 100
77 31.4 24.8 37.2

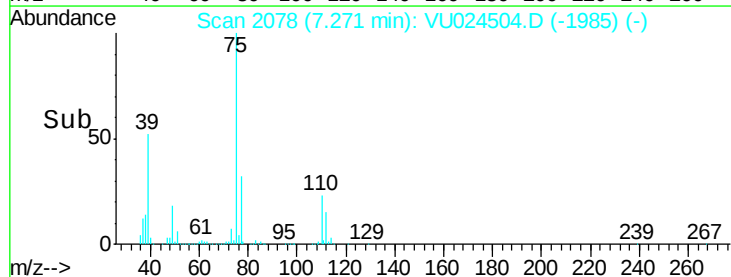
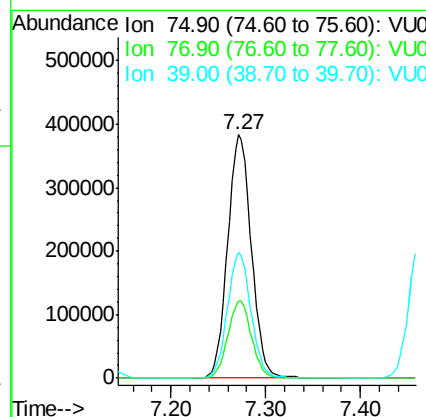
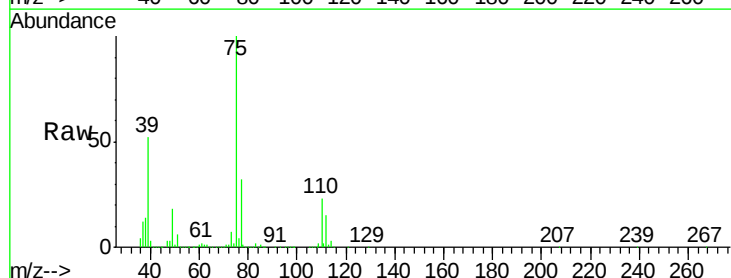
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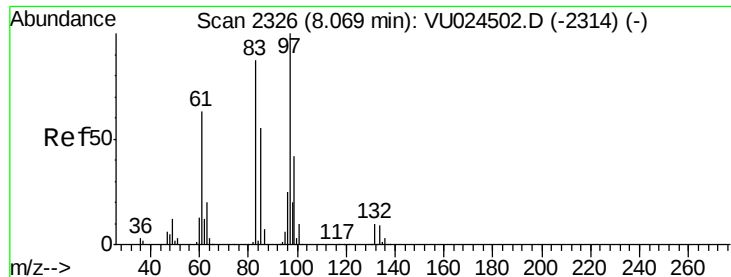
MMDadoda
6/14/2018 9:44:43 AM



#54
cis-1,3-Dichloropropene
Concen: 130.377 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion: 75 Resp: 667282
Ion Ratio Lower Upper
75 100
77 31.7 24.6 36.8
39 51.5 39.8 59.6





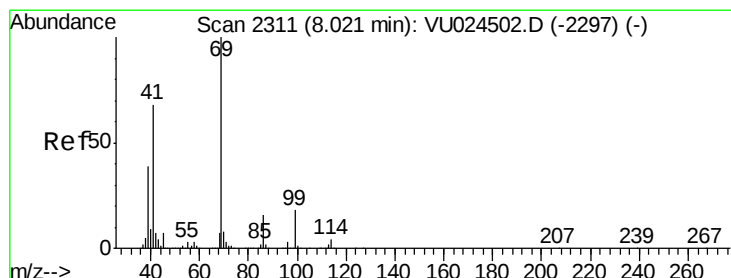
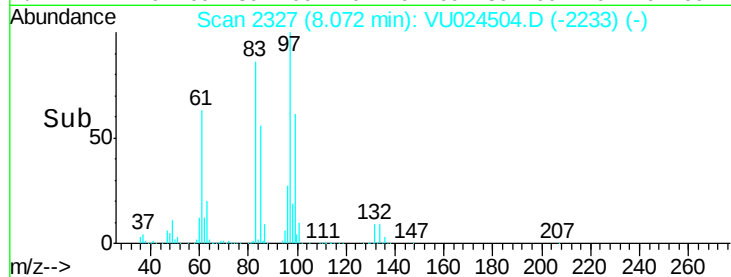
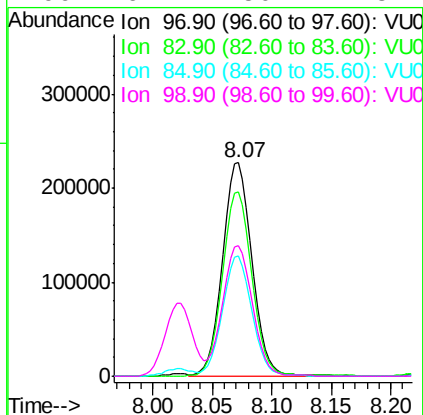
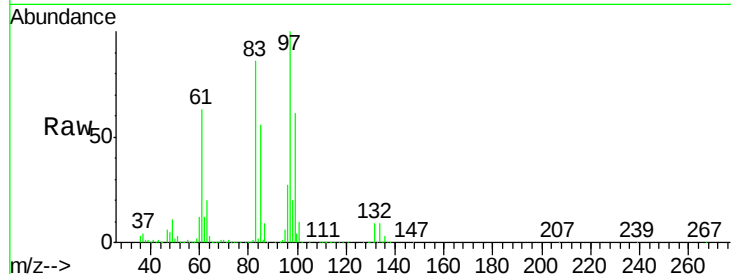
#55
 1,1,2-Trichloroethane
 Concen: 115.631 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	385751		
83	86.4	70.5	105.7	
85	56.0	46.4	69.6	
99	61.2	50.2	75.2	

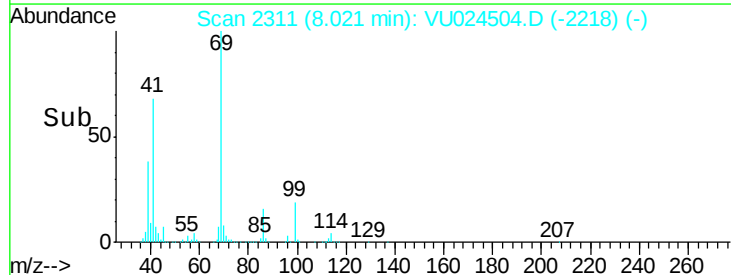
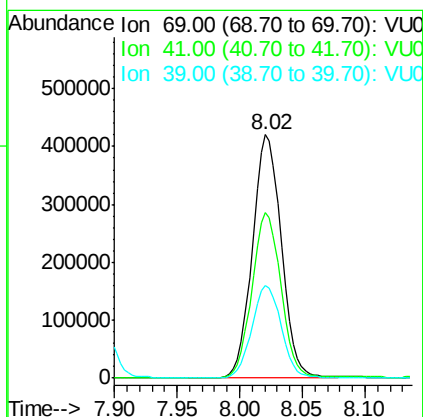
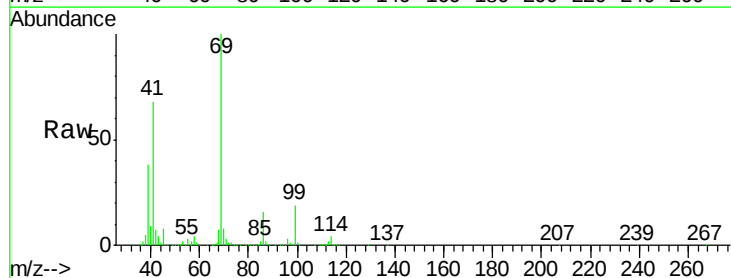
Manual Integrations
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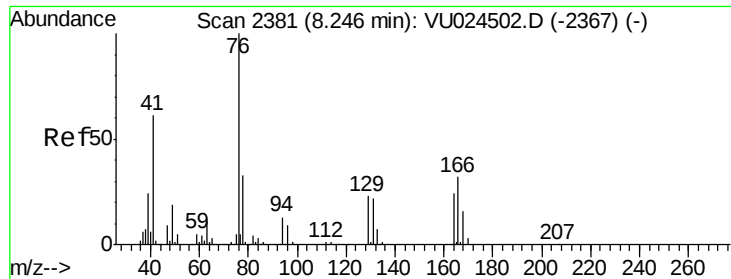
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 6/14/2018 9:44:43 AM



#56
 Ethyl methacrylate
 Concen: 154.973 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	673809		
41	68.1	54.1	81.1	
39	38.6	30.3	45.5	





#57

1,3-Dichloropropane

Concen: 113.946 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC150

Tgt Ion: 76 Resp: 652798

Ion Ratio Lower Upper

76 100

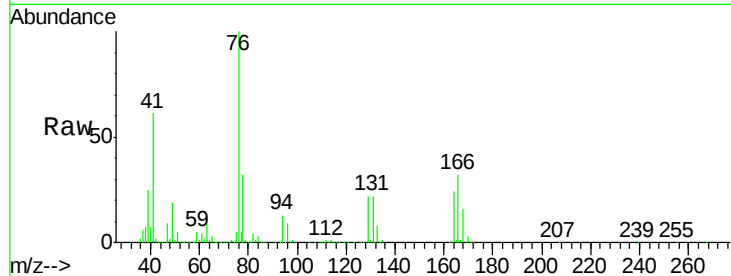
78 32.4 25.2 37.8

Manual Integrations

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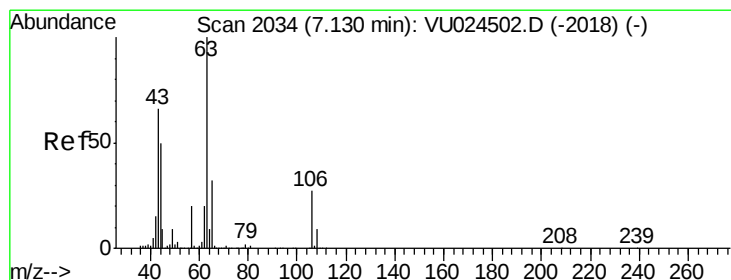
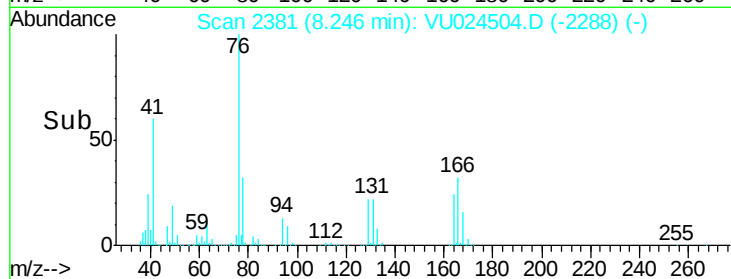
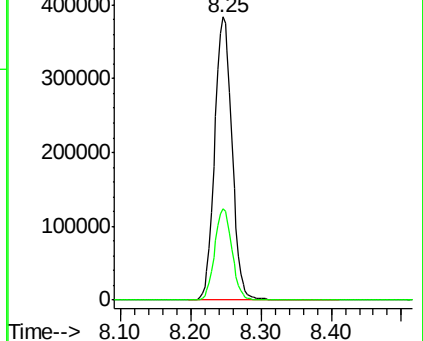
MMDadoda

6/14/2018 9:44:43 AM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 594.135 ug/l

RT: 7.13 min Scan# 2035

Delta R.T. 0.00 min

Lab File: VU024504.D

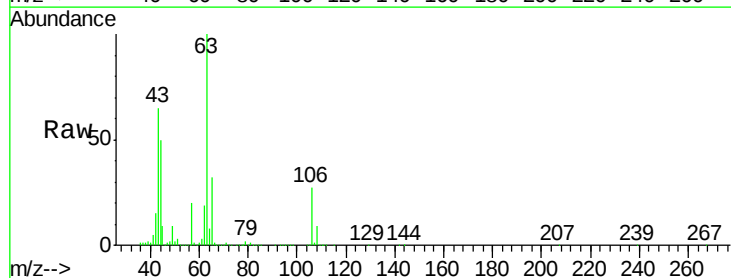
Acq: 13 Jun 2018 13:28

Tgt Ion: 63 Resp: 1328598

Ion Ratio Lower Upper

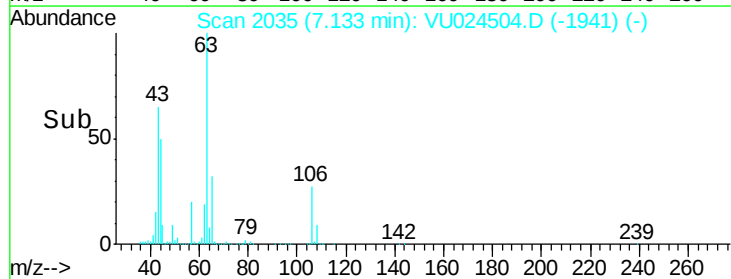
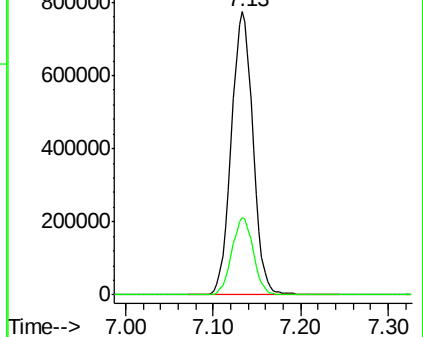
63 100

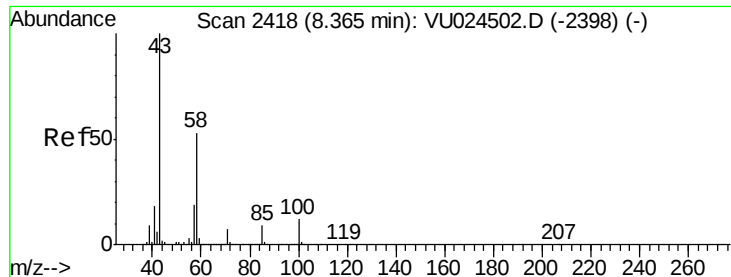
106 27.2 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





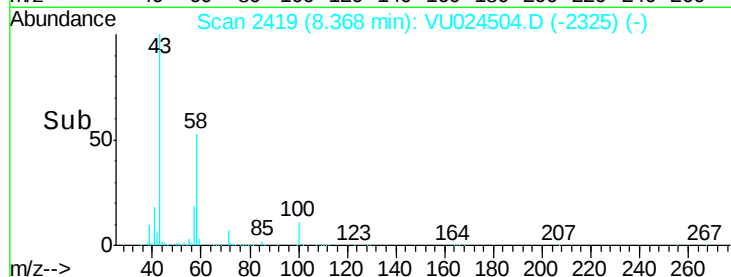
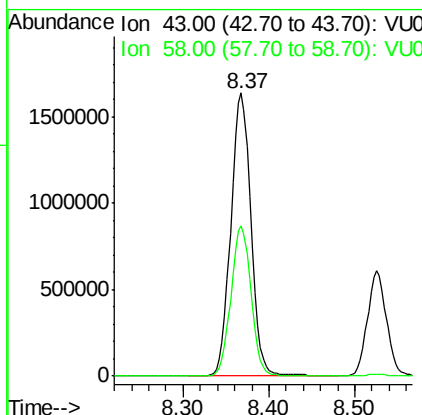
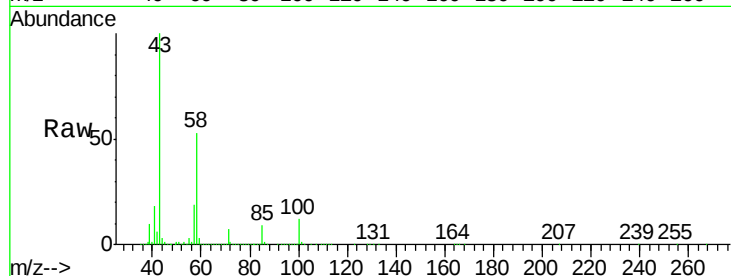
#59
2-Hexanone
Concen: 618.561 ug/l
RT: 8.37 min Scan# 2419
Delta R.T. 0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 2650445
Ion Ratio Lower Upper
43 100
58 53.1 26.4 79.0

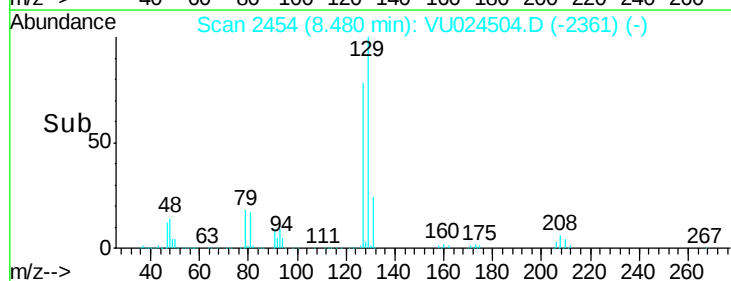
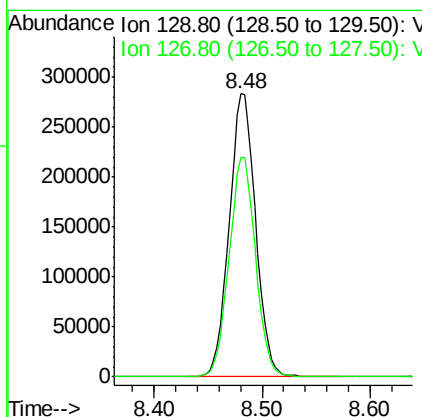
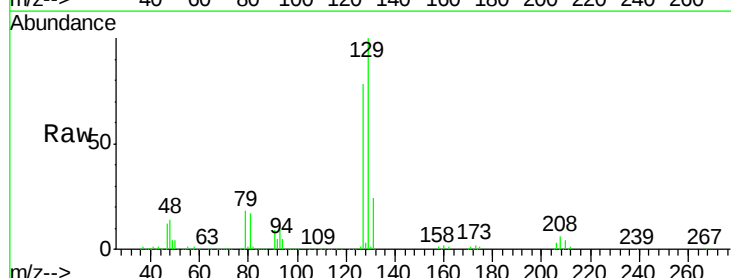
Manual Integrations
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MMDadoda
6/14/2018 9:44:43 AM



#60
Dibromochloromethane
Concen: 143.608 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion: 129 Resp: 486109
Ion Ratio Lower Upper
129 100
127 77.5 38.6 116.0





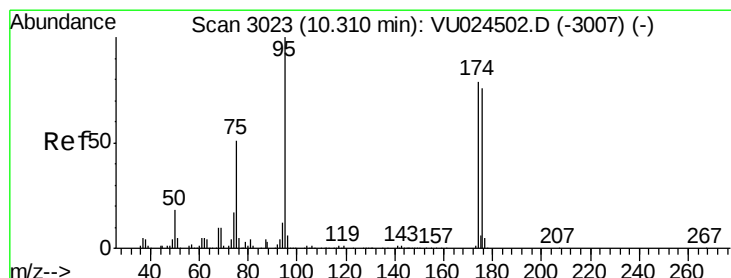
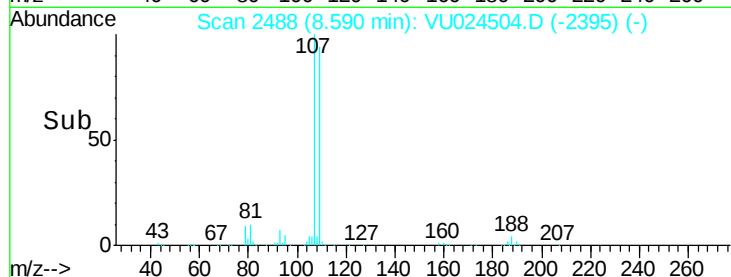
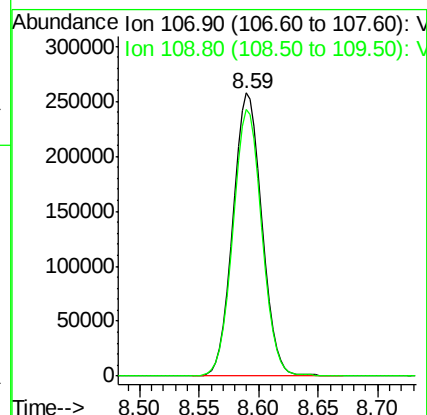
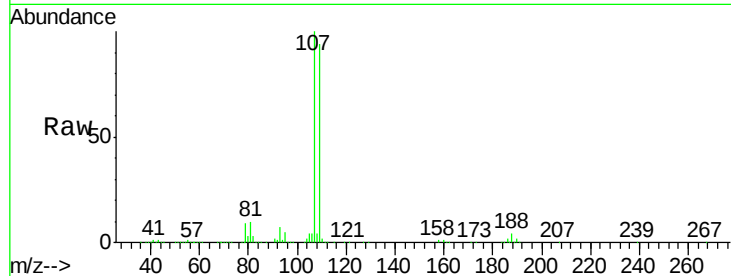
#61
 1,2-Dibromoethane
 Concen: 124.362 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
107	100	433928		
109	94.1	74.5	111.7	

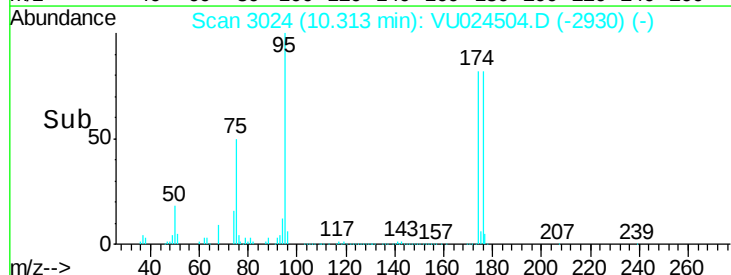
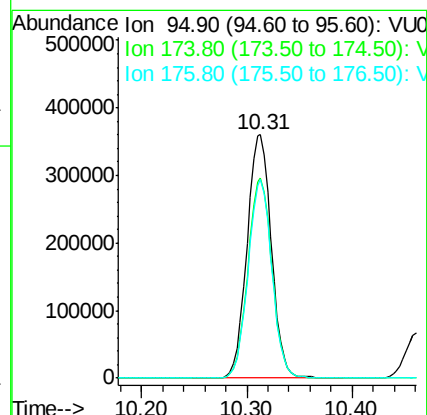
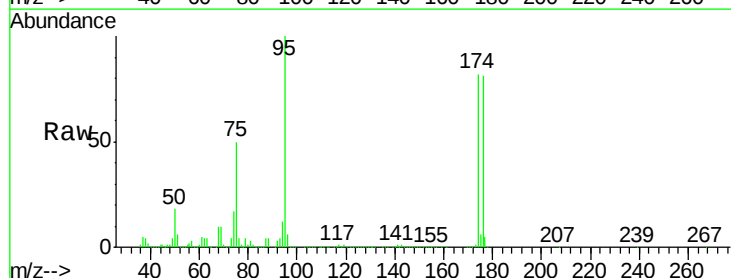
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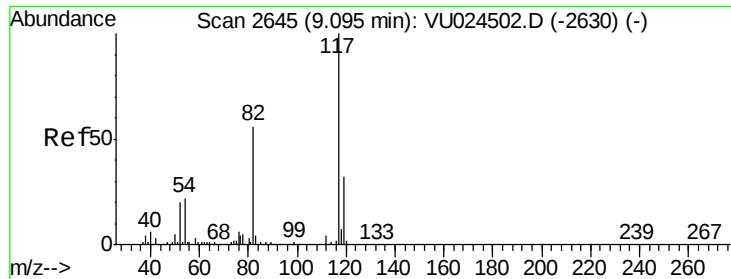
MMDadoda
 6/14/2018 9:44:43 AM



#62
 4-Bromofluorobenzene
 Concen: 134.858 ug/l
 RT: 10.31 min Scan# 3024
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	574678		
174	81.8	0.0	165.8	
176	80.0	0.0	159.4	





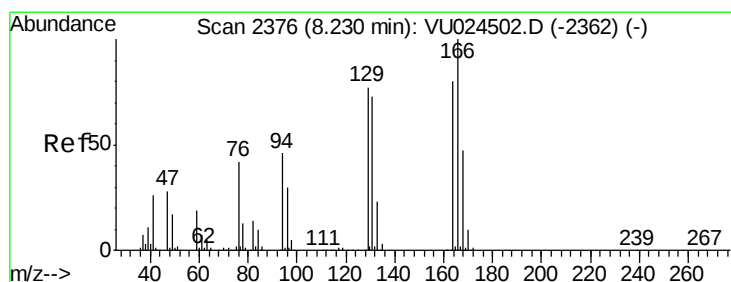
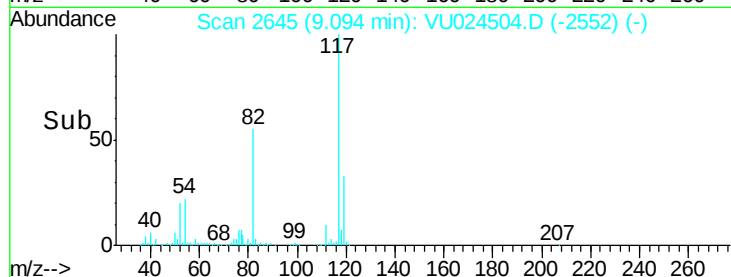
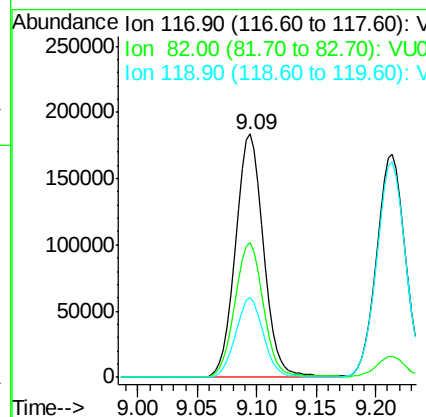
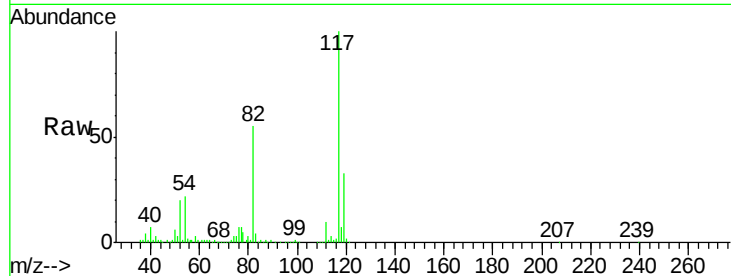
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	55.0	44.3	66.5
119	32.7	25.4	38.2

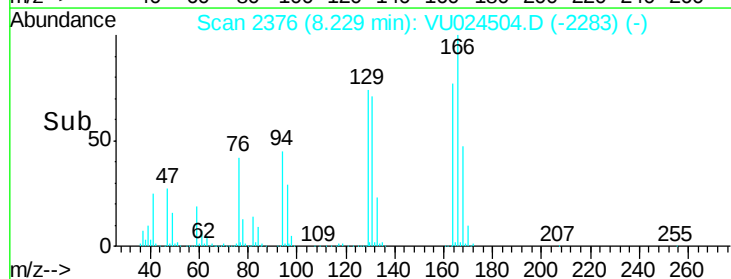
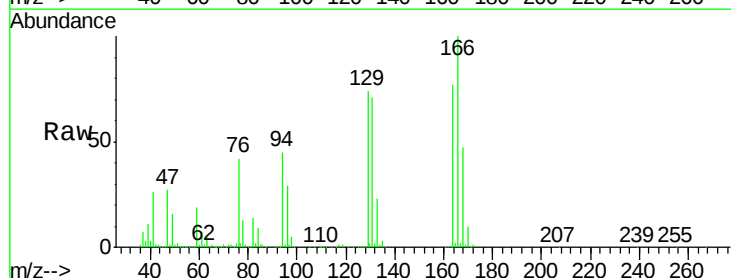
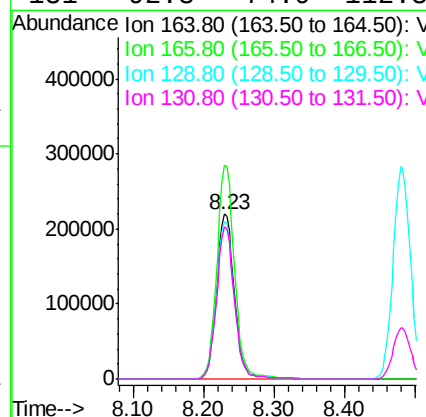
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#64
Tetrachloroethene
Concen: 128.643 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	129.5	101.7	152.5
129	95.5	76.9	115.3
131	92.3	74.9	112.3





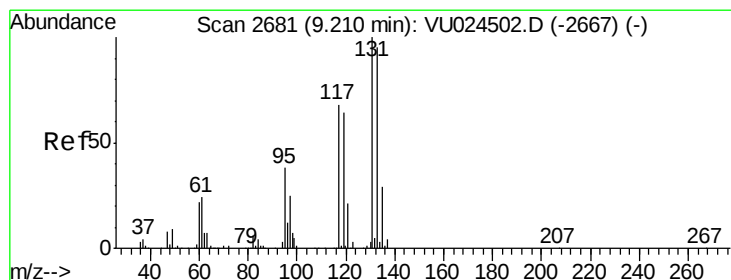
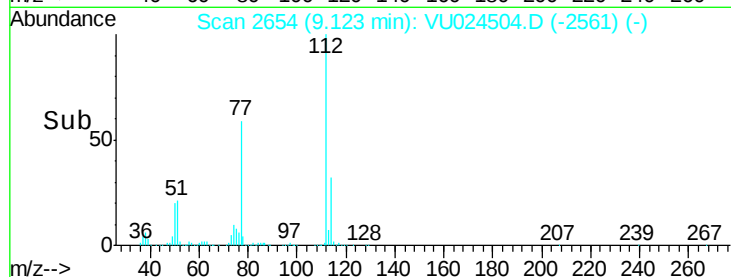
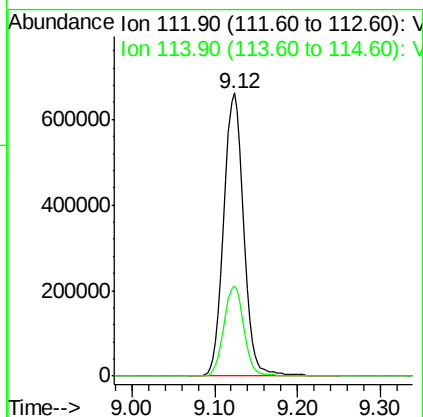
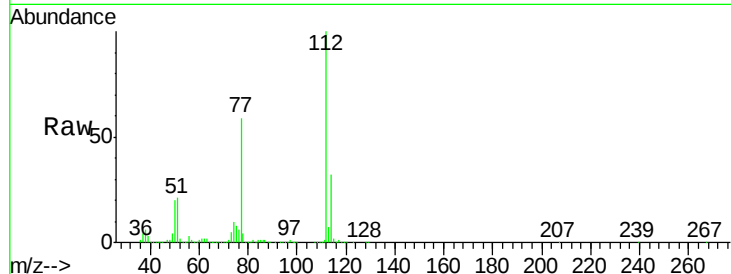
#65
Chlorobenzene
Concen: 125.425 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 1099160
Ion Ratio Lower Upper
112 100
114 32.0 25.6 38.4

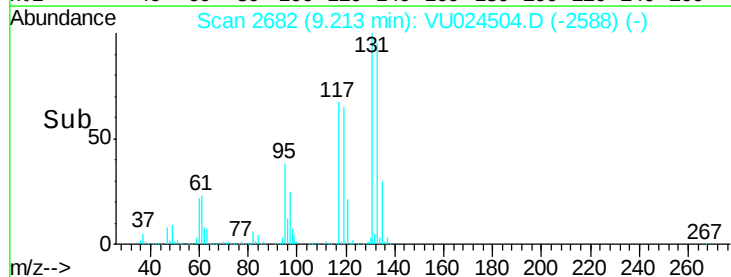
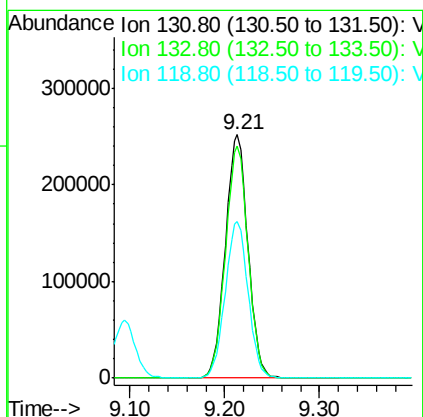
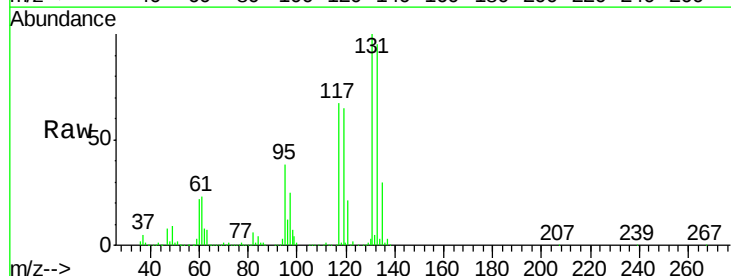
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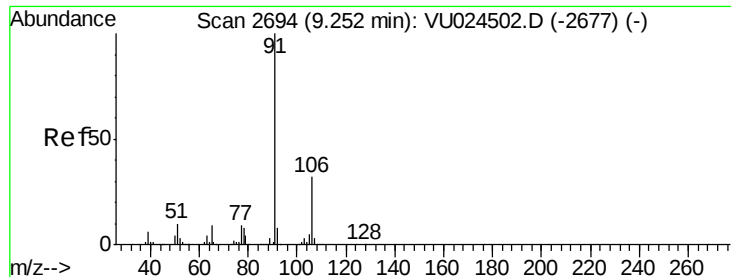
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#66
1,1,1,2-Tetrachloroethane
Concen: 138.871 ug/l
RT: 9.21 min Scan# 2682
Delta R.T. 0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion:131 Resp: 417723
Ion Ratio Lower Upper
131 100
133 95.4 46.9 140.8
119 64.9 33.5 100.4





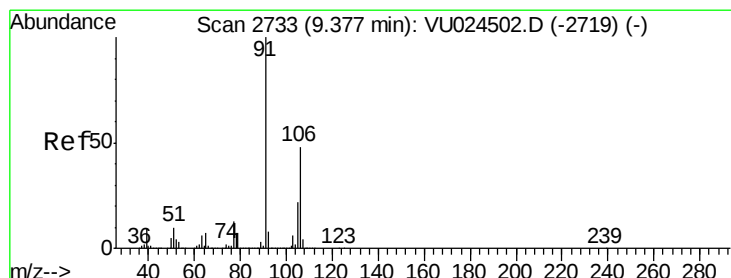
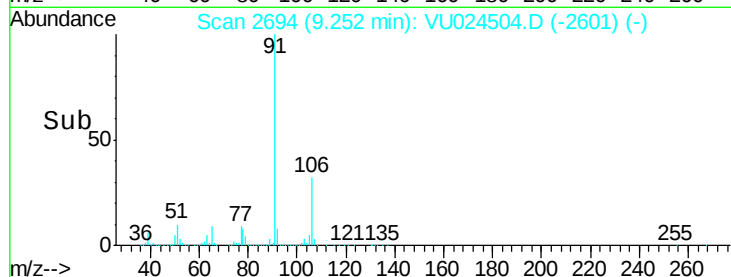
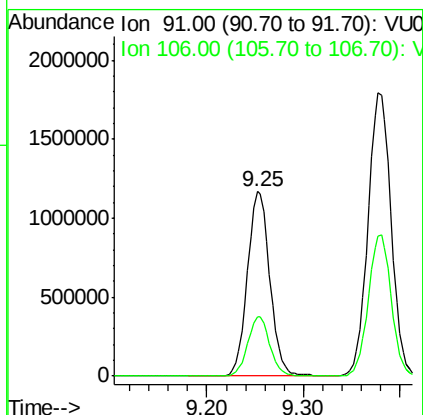
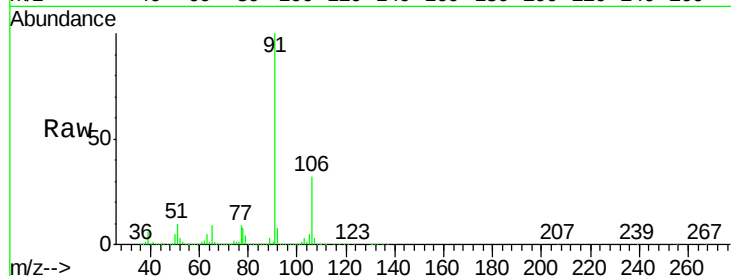
#67
Ethyl Benzene
Concen: 133.221 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 1882404
Ion Ratio Lower Upper
91 100
106 32.1 24.2 36.4

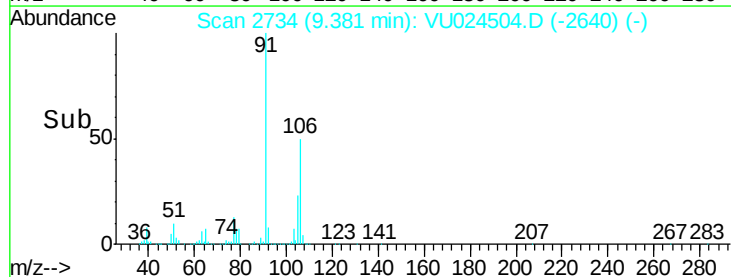
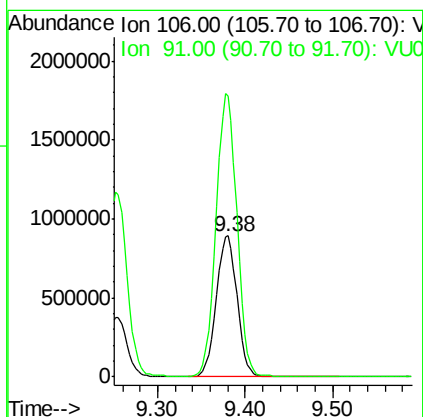
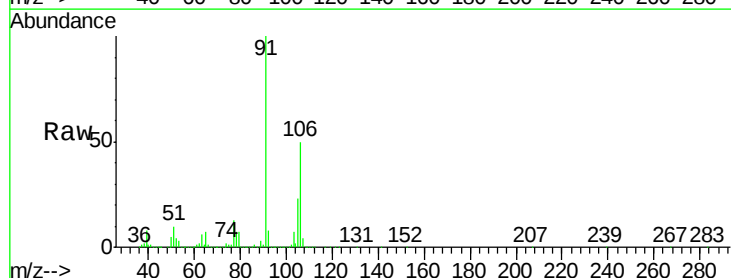
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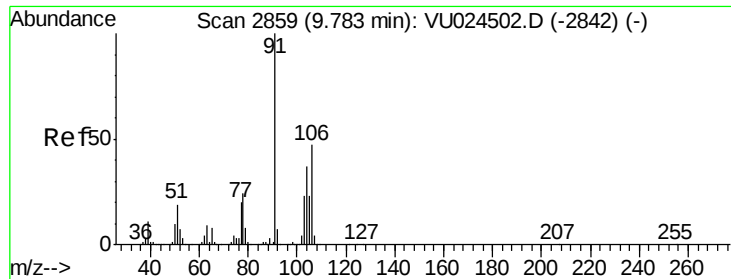
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#68
m/p-Xylenes
Concen: 273.761 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion: 106 Resp: 1473528
Ion Ratio Lower Upper
106 100
91 202.1 166.5 249.7





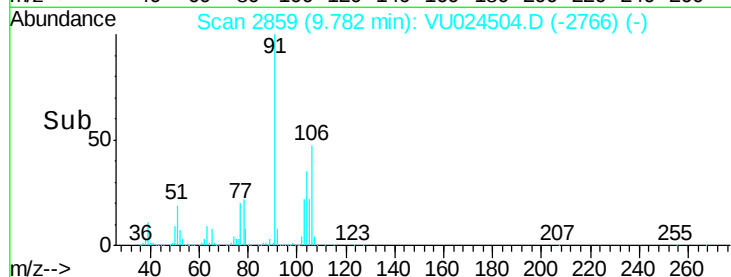
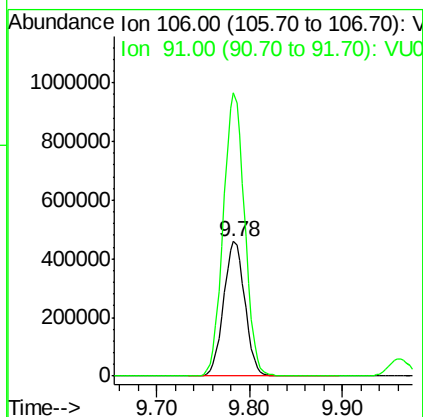
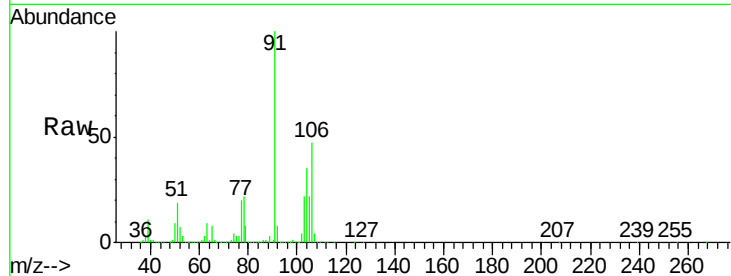
#69
o-Xylene
Concen: 146.779 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.9	110.7	331.9

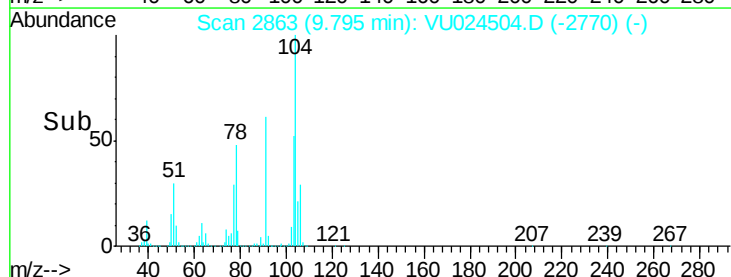
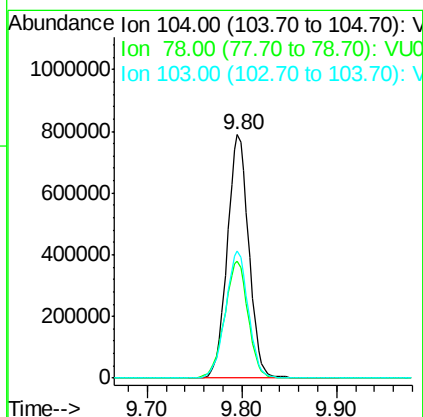
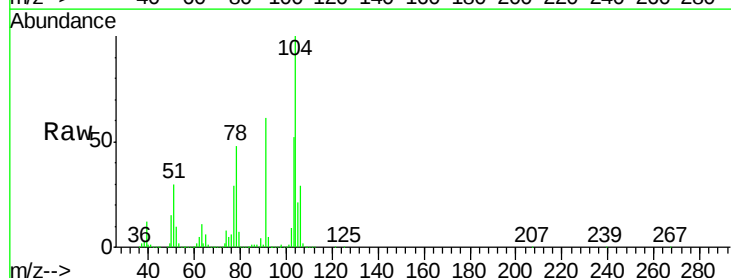
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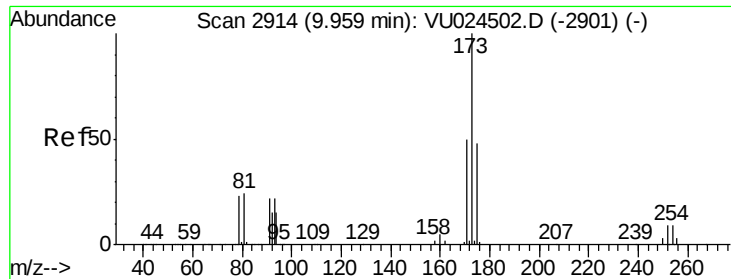
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#70
Styrene
Concen: 147.674 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	52.2	40.6	60.8
103	55.3	44.7	67.1





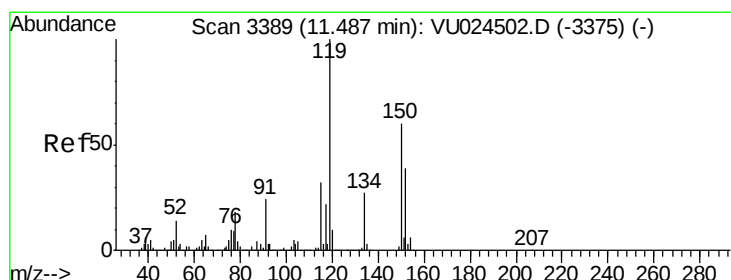
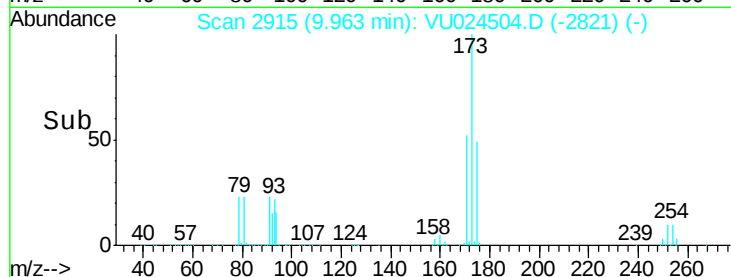
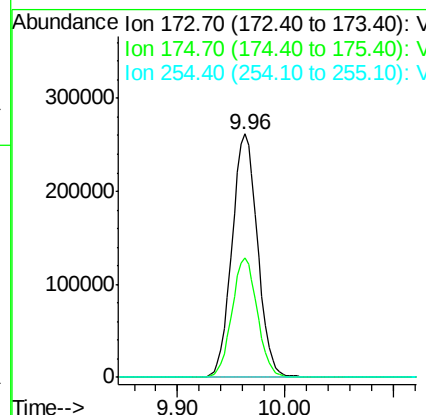
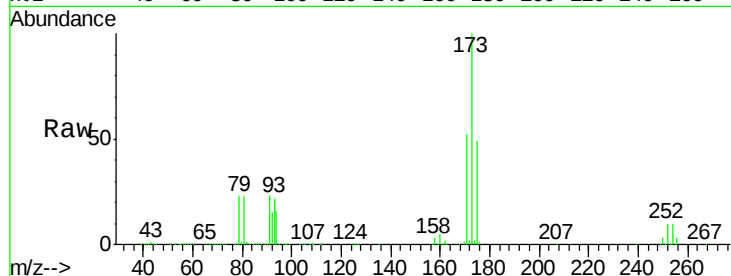
#71
Bromoform
Concen: 165.815 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	430500		
175	48.7	24.6	74.0	
254	0.1	0.0	0.0	

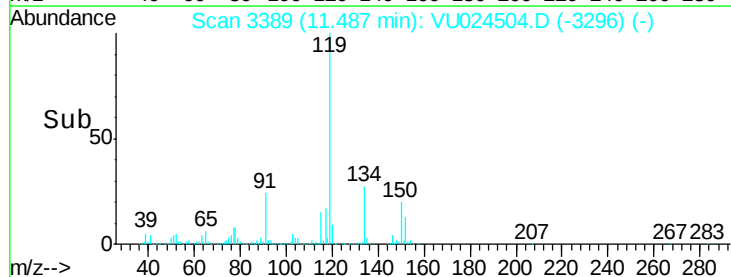
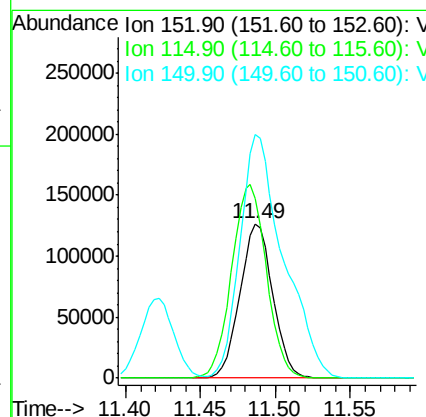
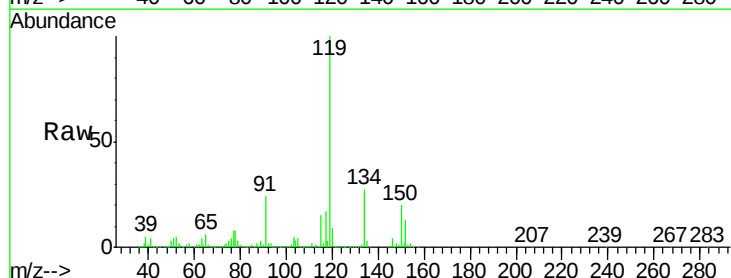
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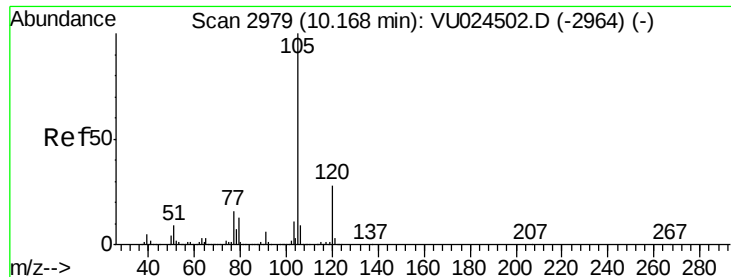
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	193059		
115	132.4	43.0	129.0	
150	208.9	0.0	354.0	





#73

Isopropylbenzene

Concen: 148.015 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tgt Ion: 105 Resp: 1970017

Ion Ratio Lower Upper

105 100

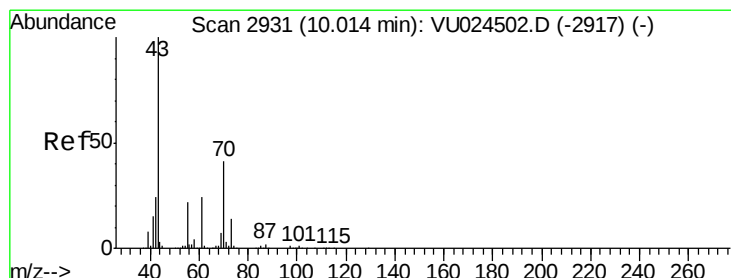
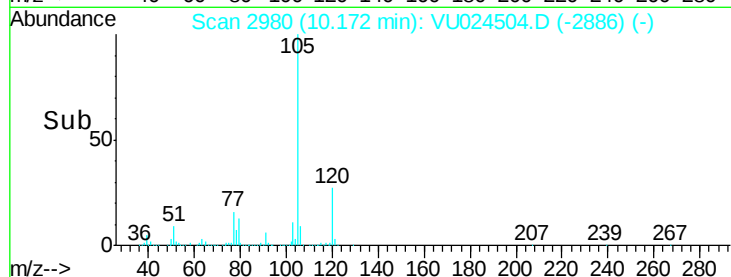
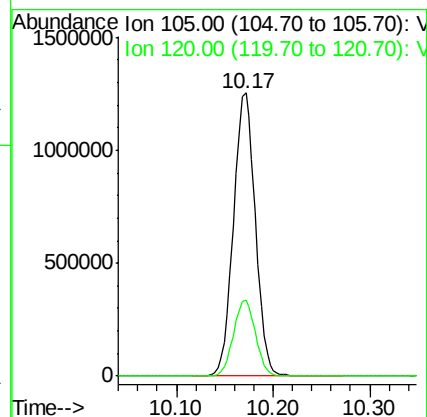
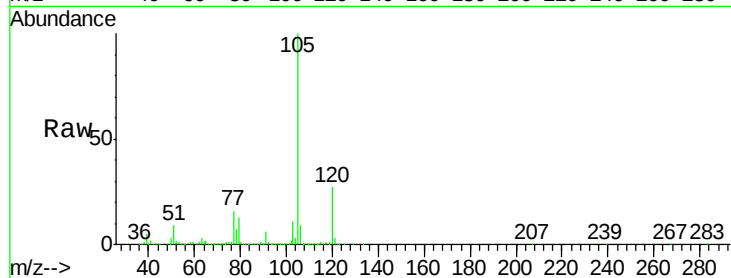
120 27.1 13.2 39.6

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#74

N-ethyl acetate

Concen: 165.104 ug/l

RT: 10.02 min Scan# 2932

Delta R.T. 0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Tgt Ion: 43 Resp: 994659

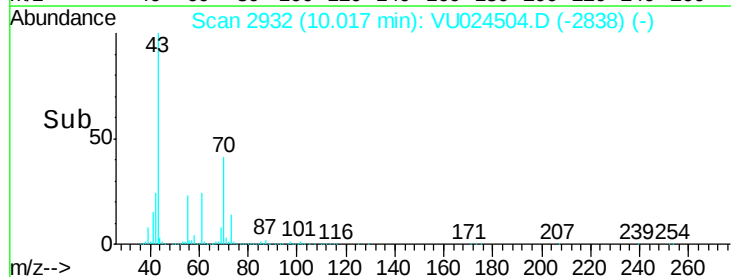
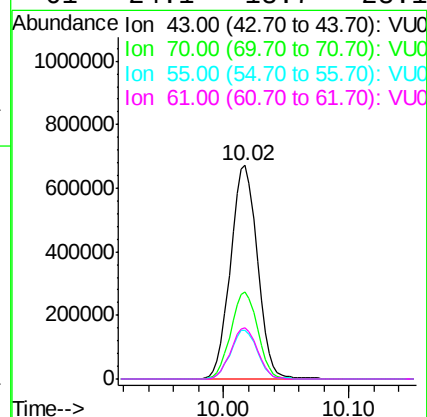
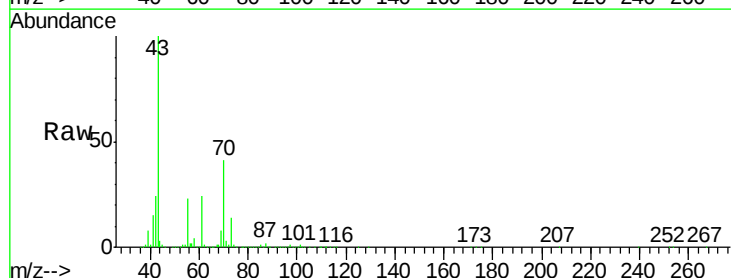
Ion Ratio Lower Upper

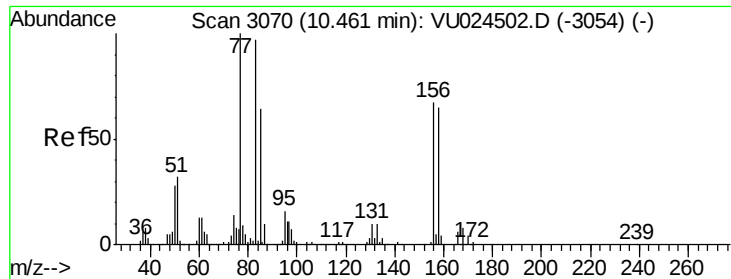
43 100

70 40.8 32.2 48.4

55 22.7 20.5 30.7

61 24.1 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 118.645 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 684914

Ion Ratio Lower Upper

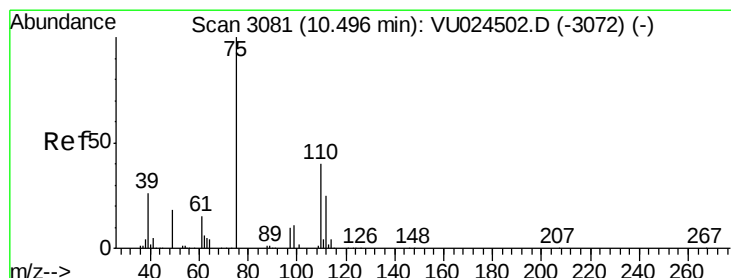
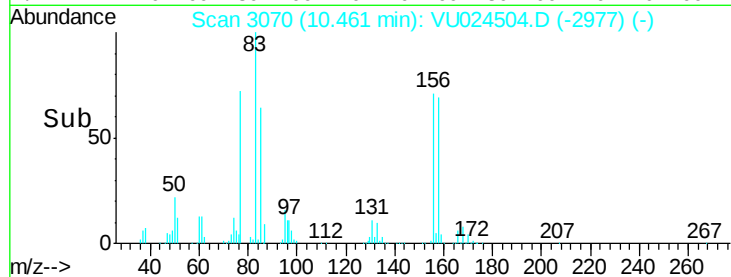
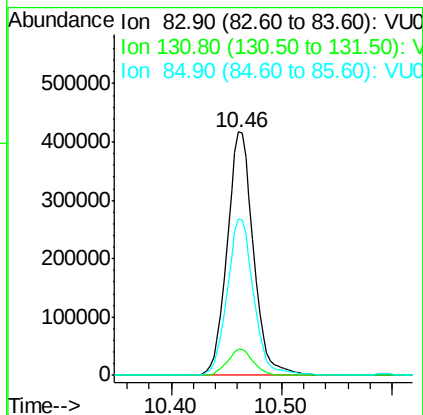
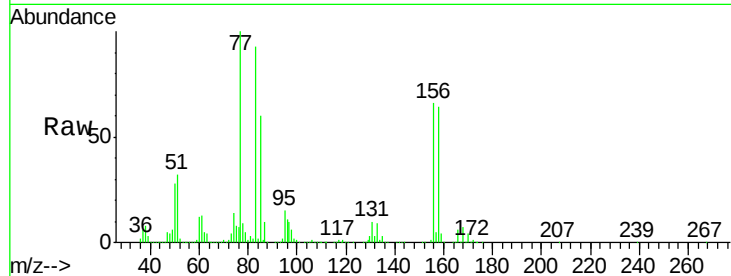
83 100

131 10.5 4.7 14.1

85 64.9 32.5 97.5

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#76

1,2,3-Trichloropropane

Concen: 153.334 ug/l m

RT: 10.50 min Scan# 3082

Delta R.T. 0.00 min

Lab File: VU024504.D

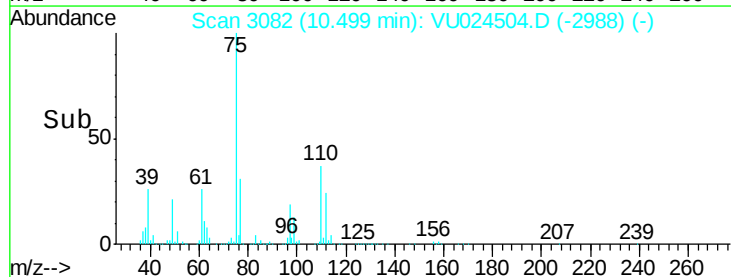
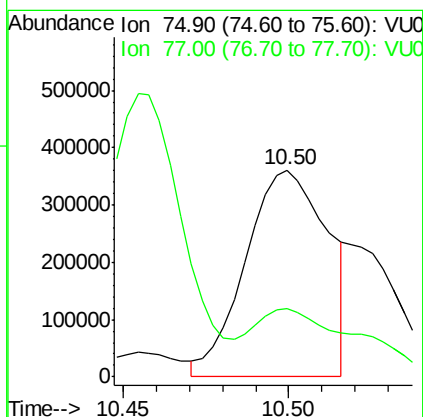
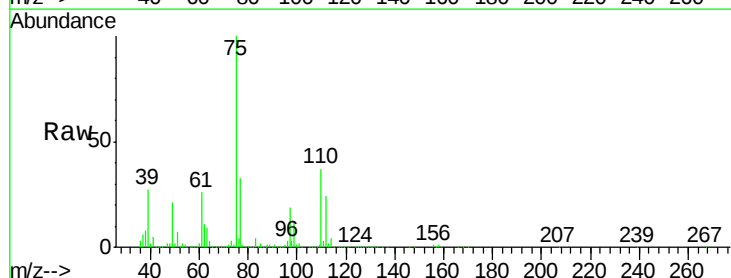
Acq: 13 Jun 2018 13:28

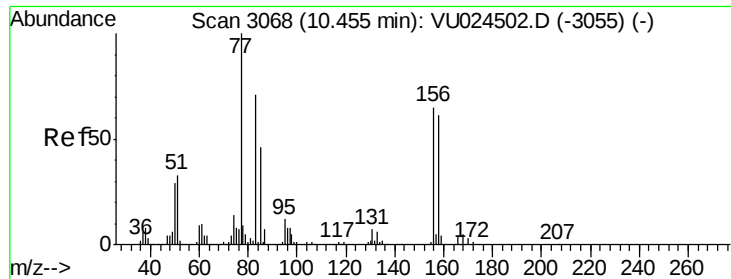
Tgt Ion: 75 Resp: 620897

Ion Ratio Lower Upper

75 100

77 43.2 20.9 62.7





#77

Bromobenzene

Concen: 140.440 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. 0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

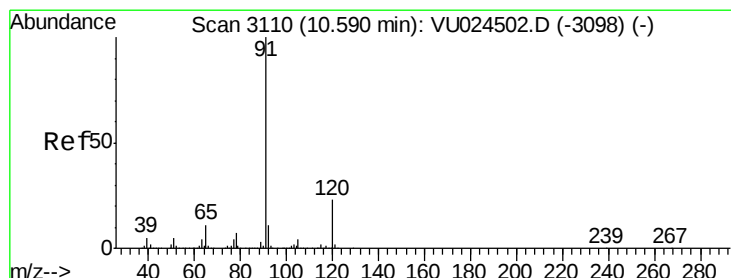
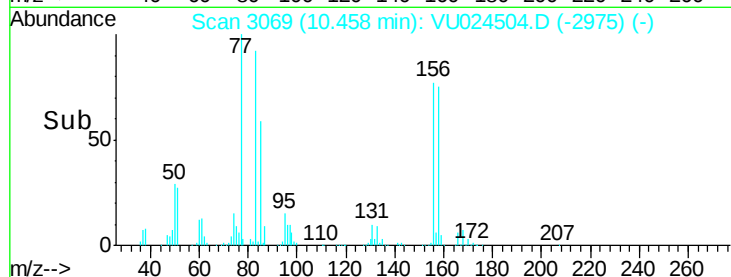
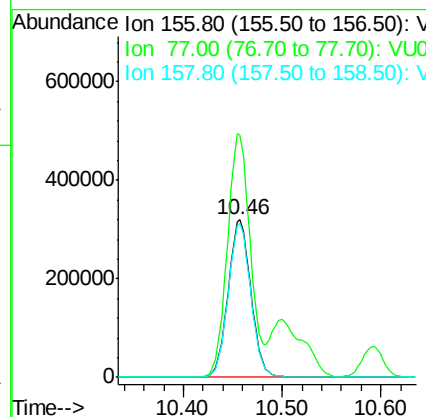
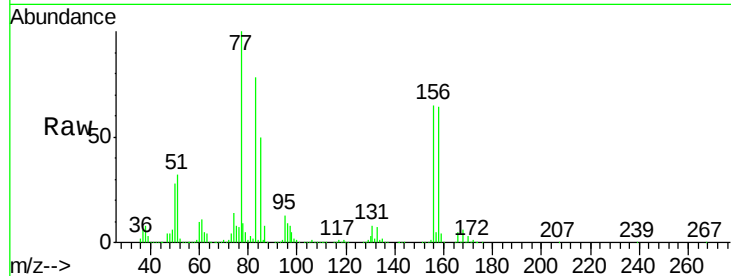
ClientSampleId :

VSTDIC150

Tgt Ion	Ratio	Lower	Upper
156	100		
77	156.8	80.5	241.3
158	97.3	48.2	144.6

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#78

n-propylbenzene

Concen: 142.968 ug/l

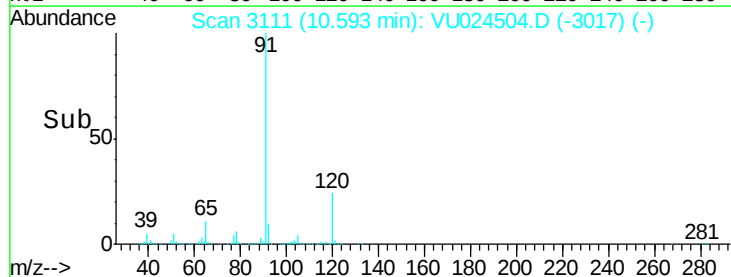
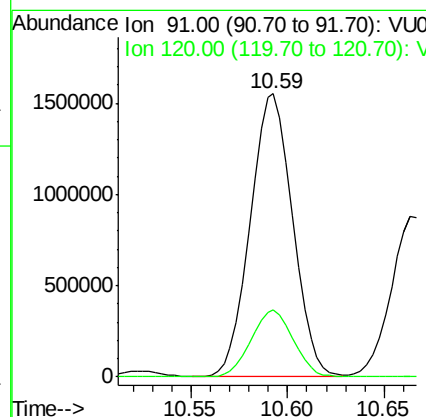
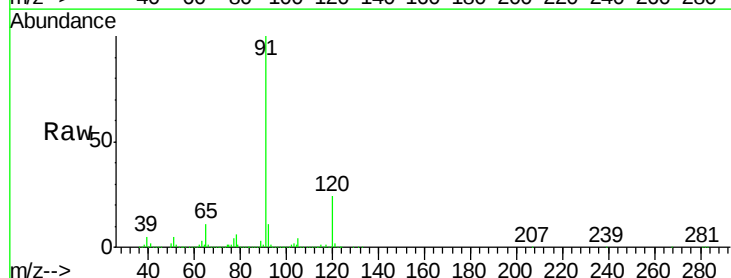
RT: 10.59 min Scan# 3111

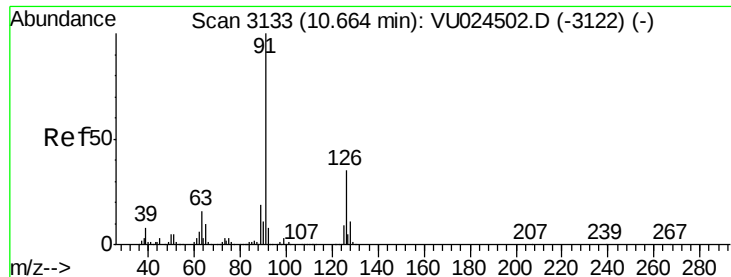
Delta R.T. 0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 138.141 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1383608

Ion Ratio Lower Upper

91 100

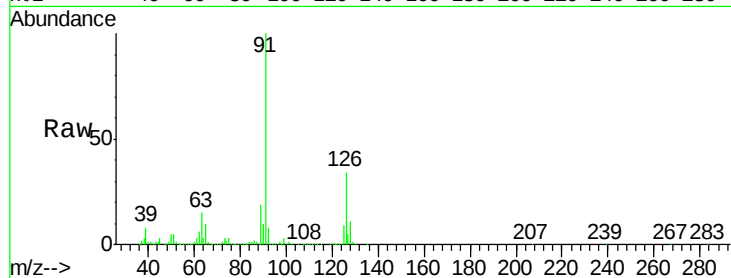
126 34.9 16.9 50.7

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Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3122) (-)

Ion 125.90 (125.60 to 126.60): VU024502.D (-3122) (-)

1500000

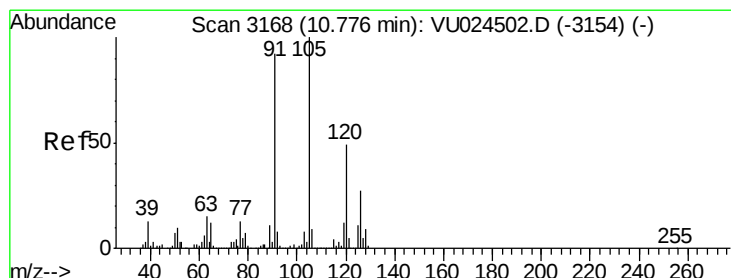
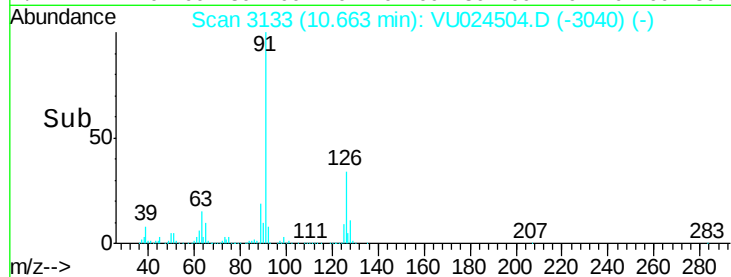
1000000

500000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 152.143 ug/l

RT: 10.78 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VU024504.D

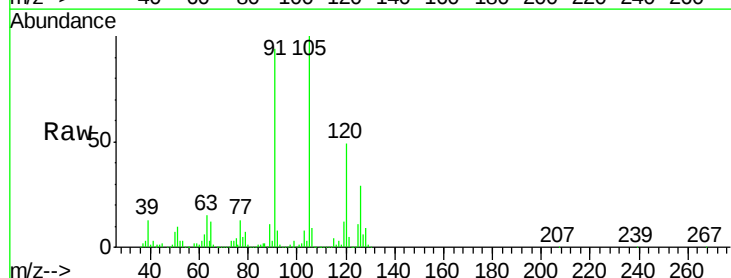
Acq: 13 Jun 2018 13:28

Tgt Ion: 105 Resp: 1717267

Ion Ratio Lower Upper

105 100

120 48.4 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VU024502.D (-3154) (-)

Ion 120.00 (119.70 to 120.70): VU024502.D (-3154) (-)

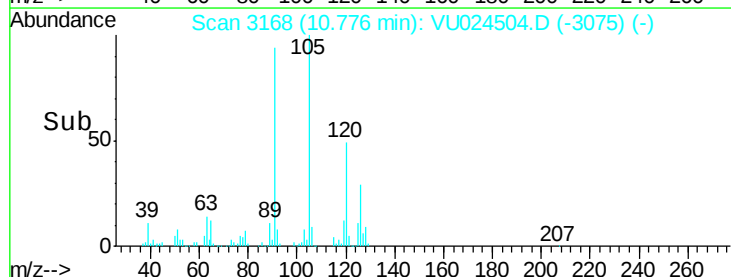
1000000

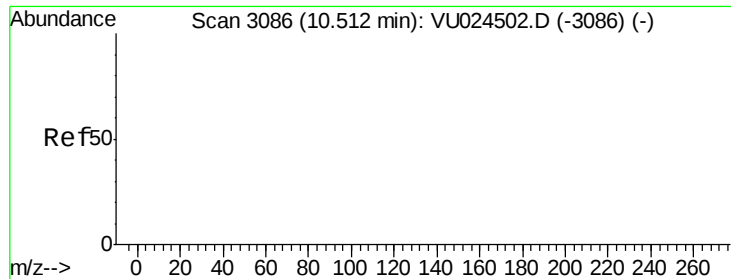
500000

0

10.70 10.80

Time-->





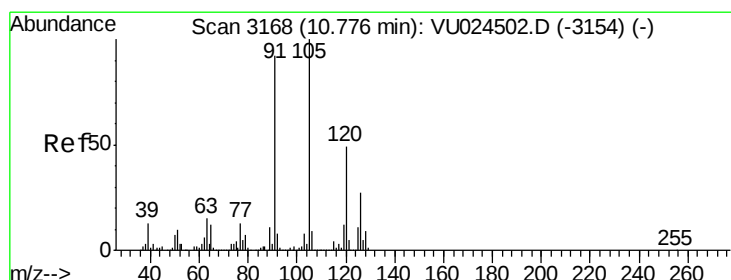
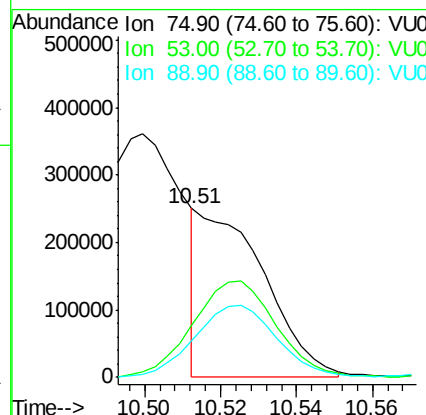
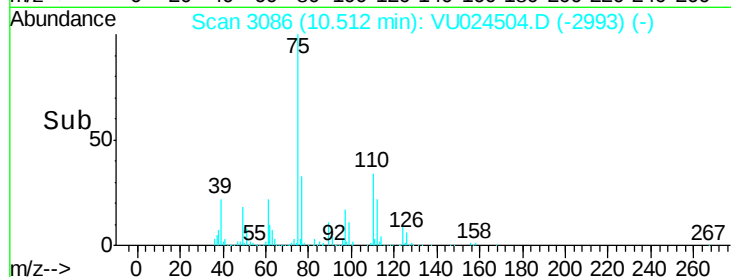
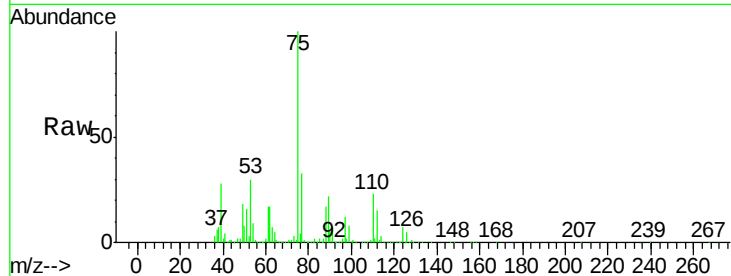
#81
trans-1,4-Dichloro-2-butene
Concen: 154.562 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

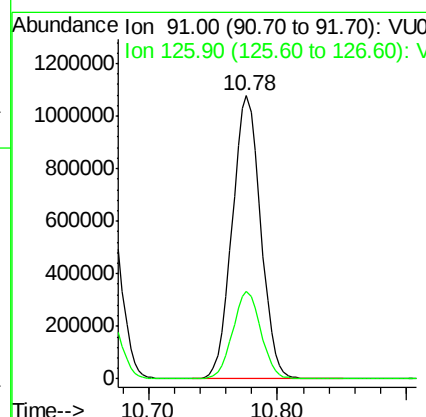
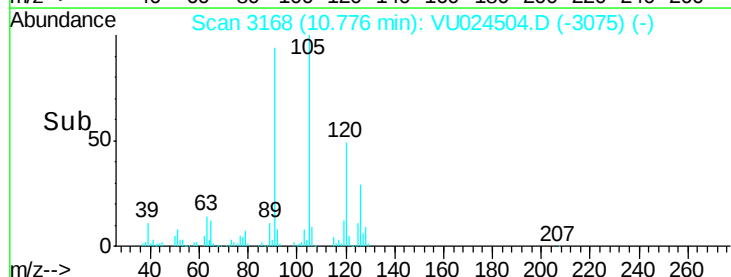
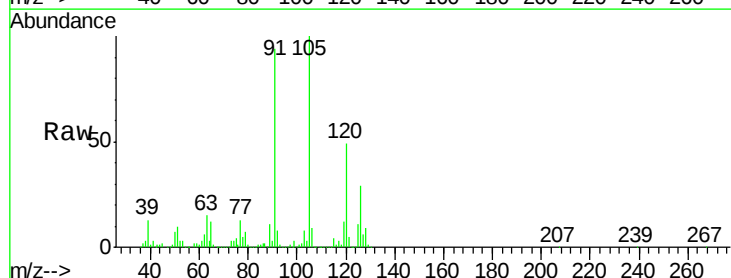
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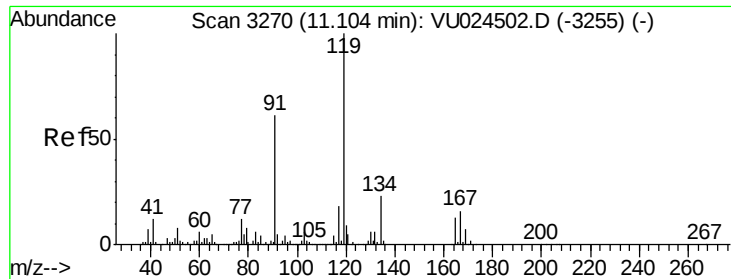
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#82
4-Chlorotoluene
Concen: 141.541 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	14.9	44.9





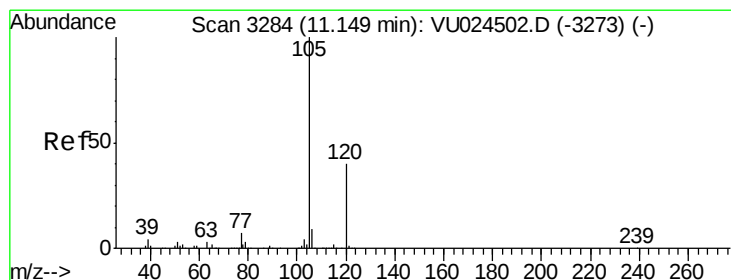
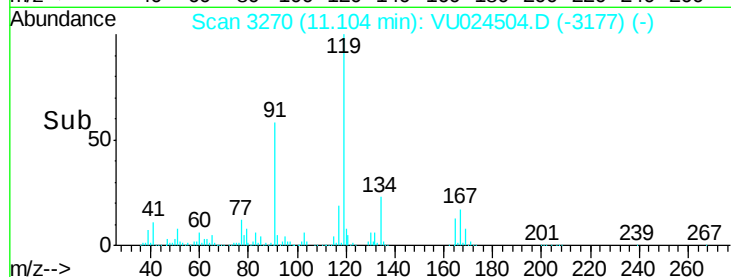
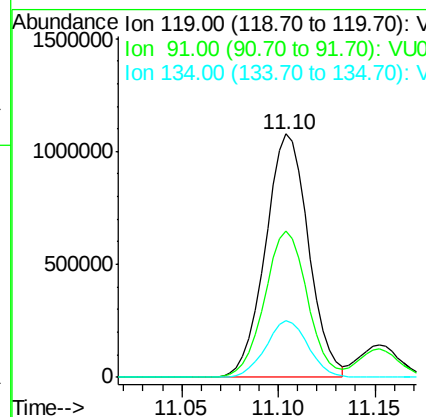
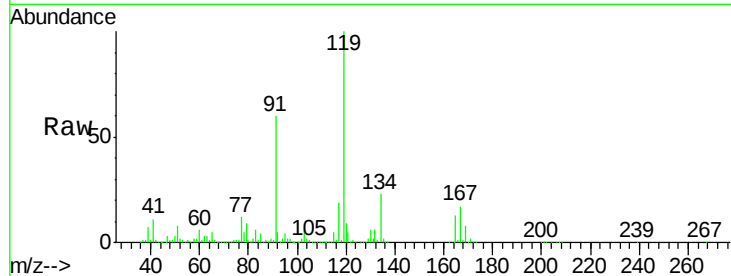
#83
 tert-Butylbenzene
 Concen: 152.597 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
119	100		
91	59.6	29.7	89.1
134	23.0	11.6	34.7

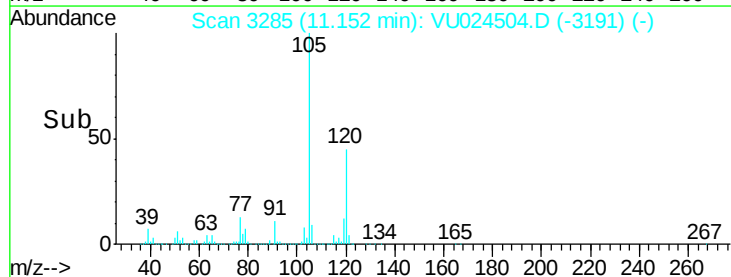
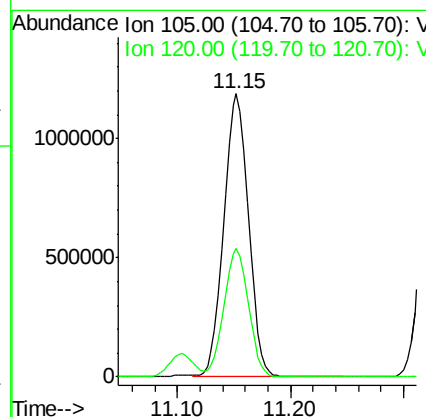
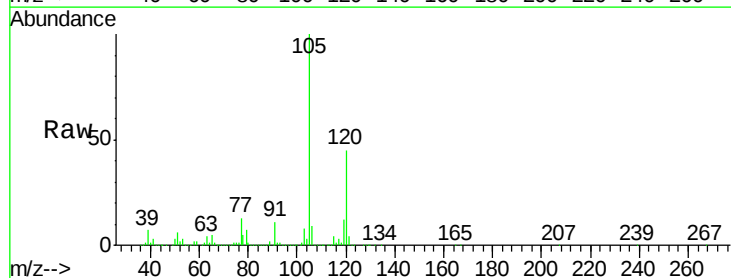
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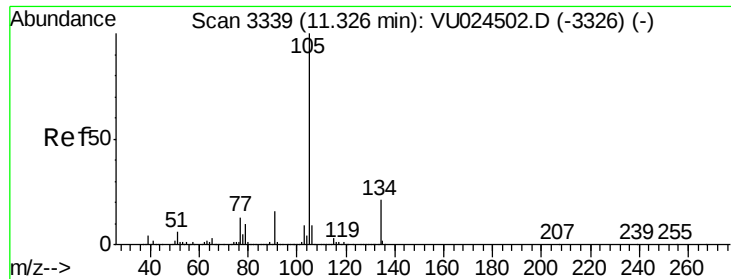
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#84
 1,2,4-Trimethylbenzene
 Concen: 157.693 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.6	67.8





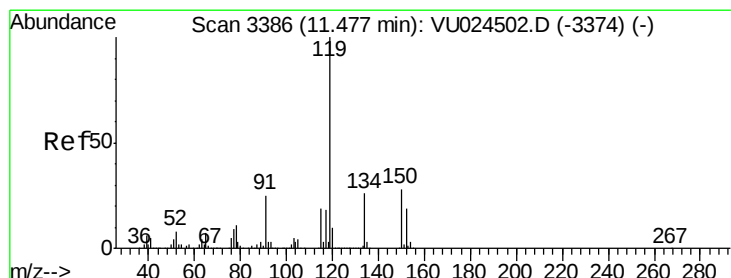
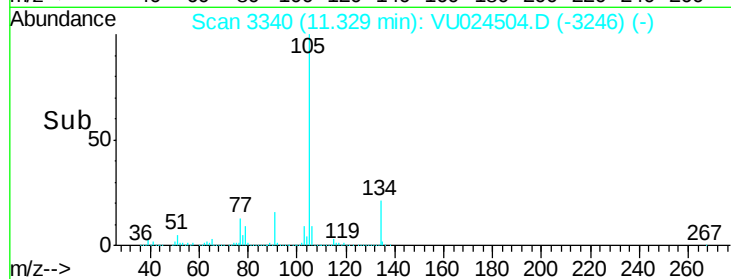
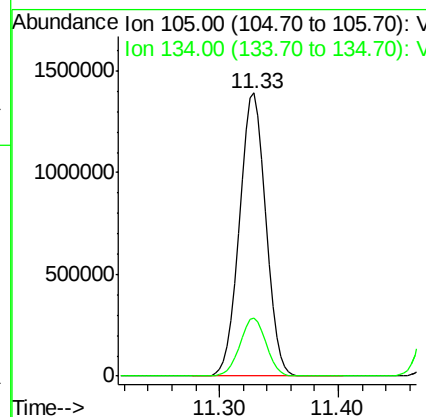
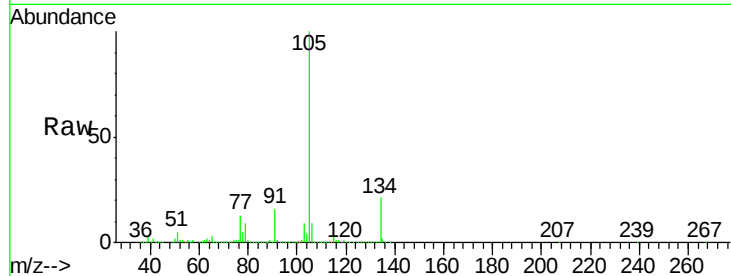
#85
 sec-Butylbenzene
 Concen: 154.369 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 2129487
 Ion Ratio Lower Upper
 105 100
 134 20.5 9.7 29.1

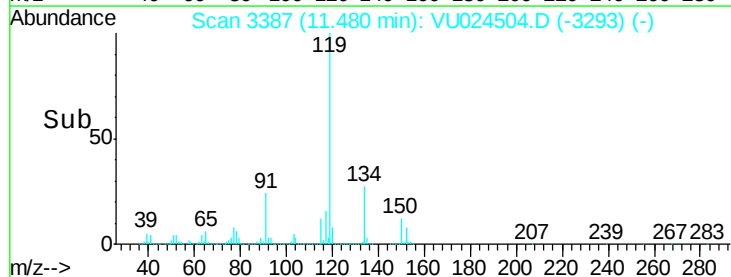
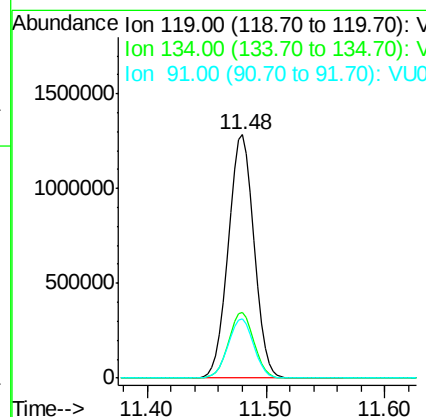
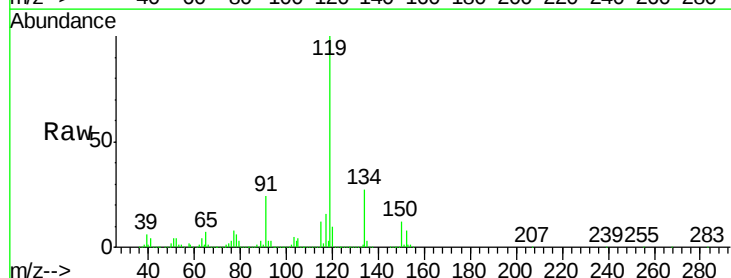
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#86
 p-Isopropyltoluene
 Concen: 157.072 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion:119 Resp: 1914925
 Ion Ratio Lower Upper
 119 100
 134 26.8 12.9 38.6
 91 24.2 12.0 36.1





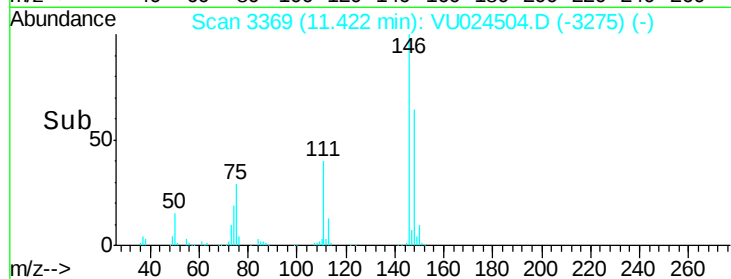
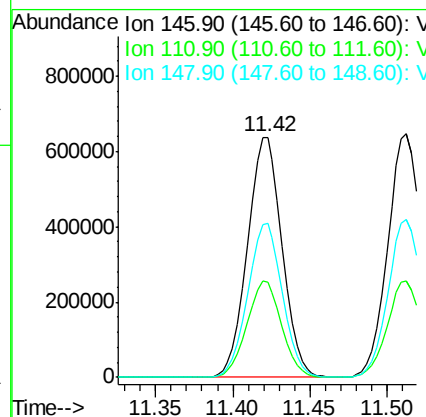
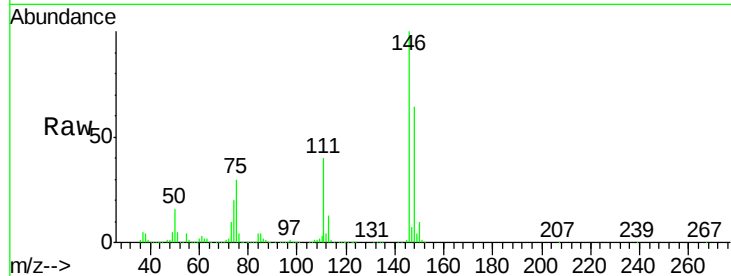
#87
 1,3-Dichlorobenzene
 Concen: 140.115 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.9	32.1	96.5

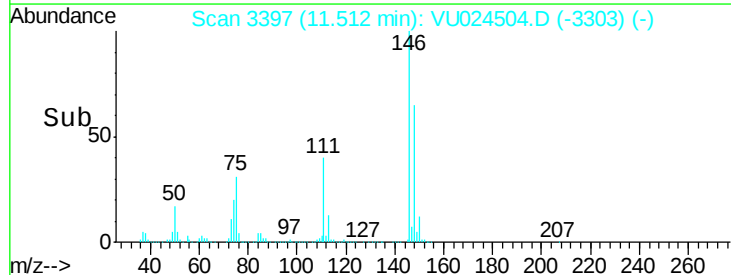
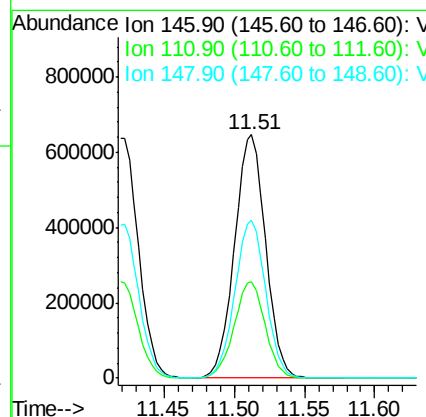
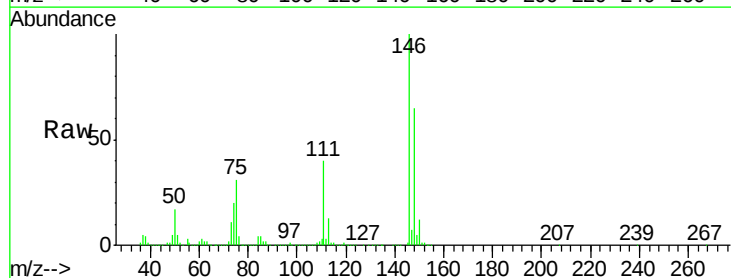
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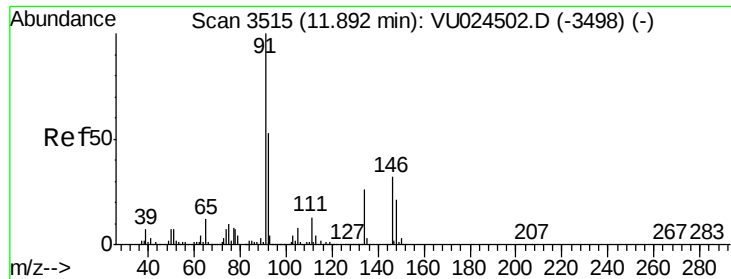
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#88
 1,4-Dichlorobenzene
 Concen: 134.266 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.5	58.5
148	64.6	32.4	97.0





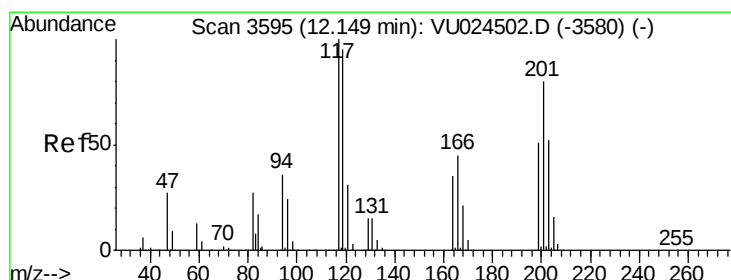
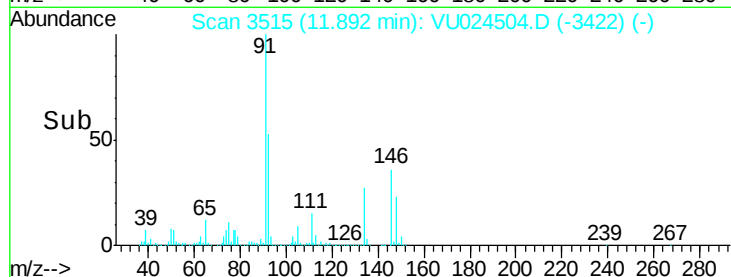
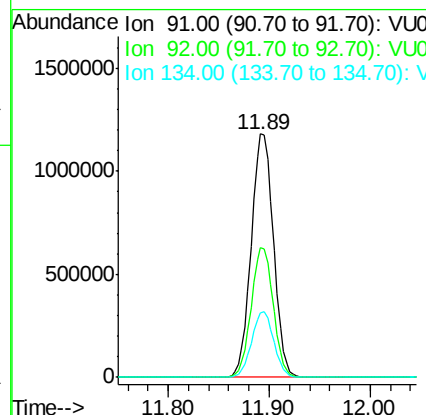
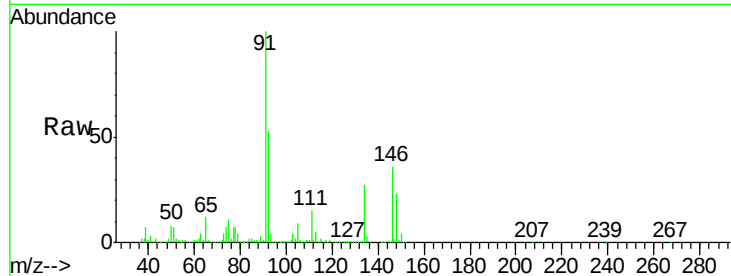
#89
n-Butylbenzene
Concen: 148.680 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 1783561
Ion Ratio Lower Upper
91 100
92 53.0 25.6 76.8
134 26.7 12.3 36.8

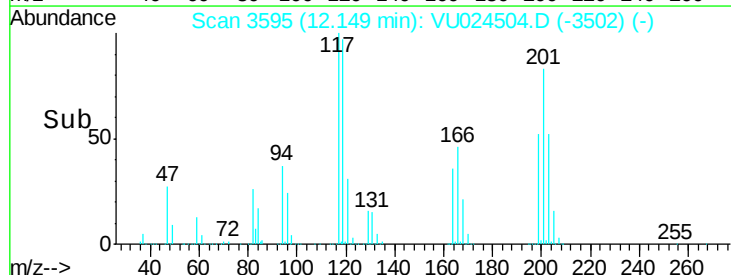
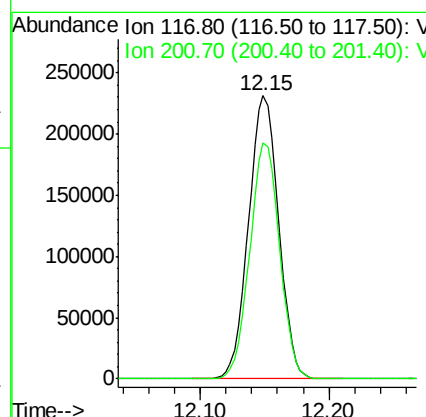
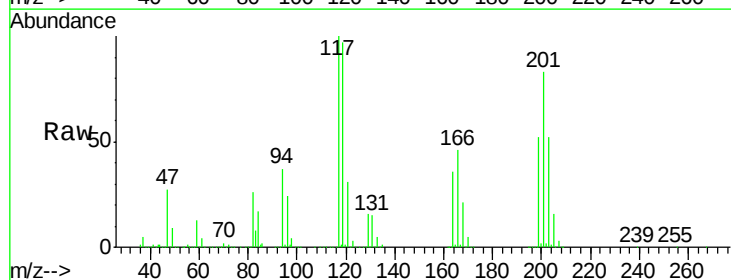
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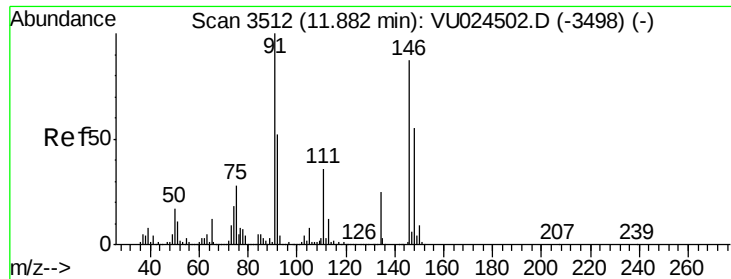
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#90
Hexachloroethane
Concen: 172.409 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU024504.D
Acq: 13 Jun 2018 13:28

Tgt Ion: 117 Resp: 376813
Ion Ratio Lower Upper
117 100
201 82.4 41.1 123.3





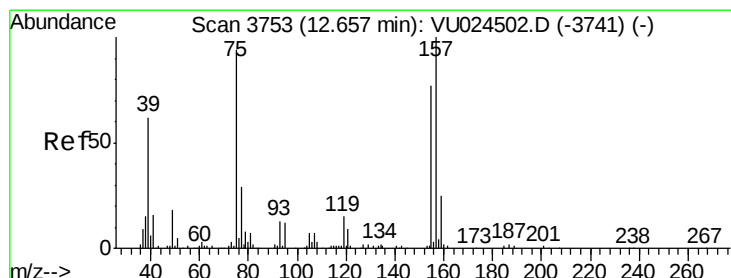
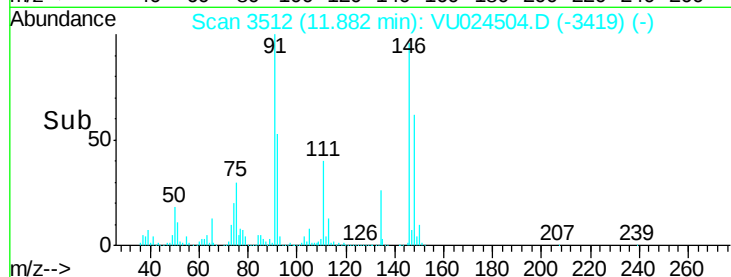
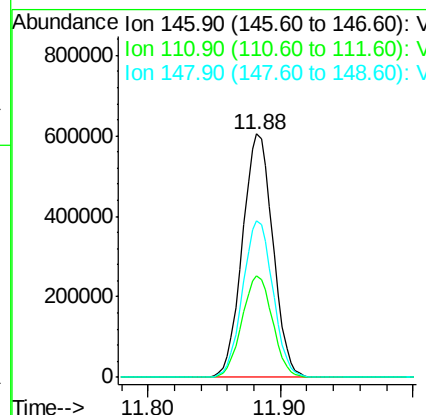
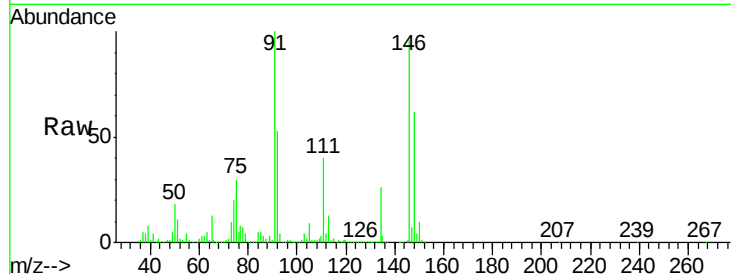
#91
 1,2-Dichlorobenzene
 Concen: 136.161 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	964467		
111	41.7	20.5	61.6	
148	64.1	31.9	95.7	

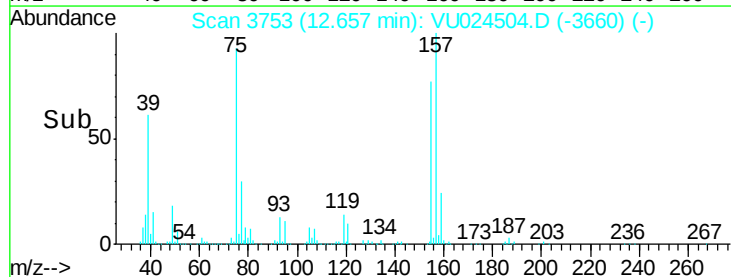
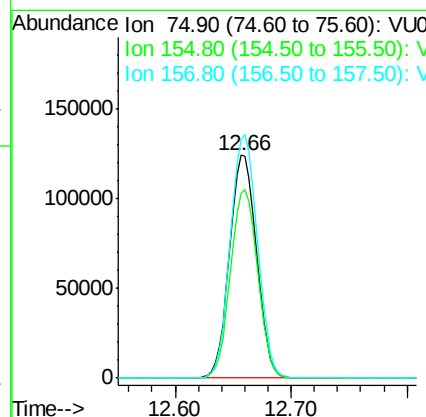
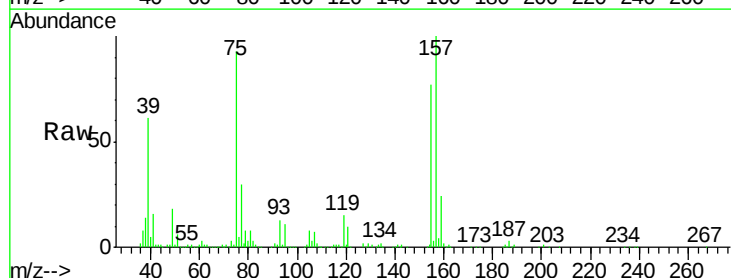
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 169.644 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	199898		
155	84.6	40.4	121.2	
157	109.0	52.3	156.8	





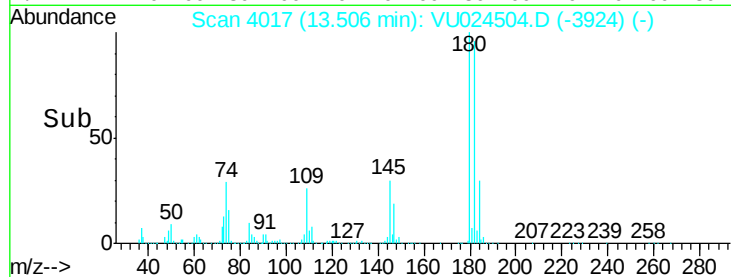
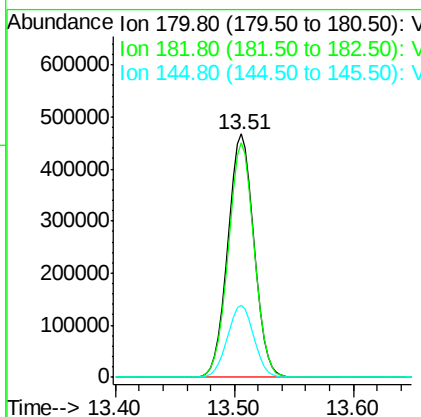
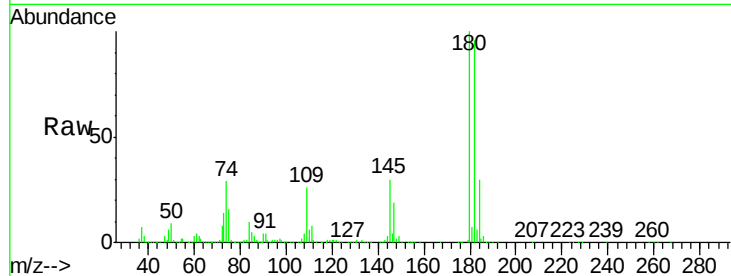
#93
 1,2,4-Trichlorobenzene
 Concen: 169.795 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	710428		
182	95.6	48.0	144.2	
145	30.2	14.7	44.1	

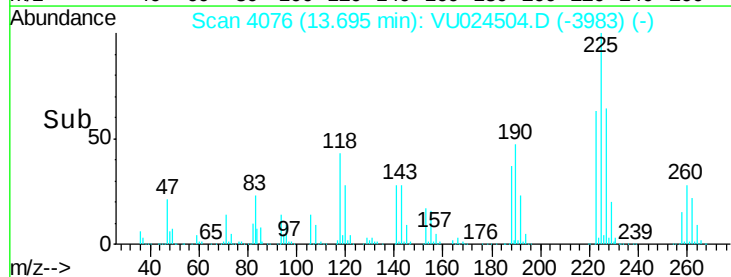
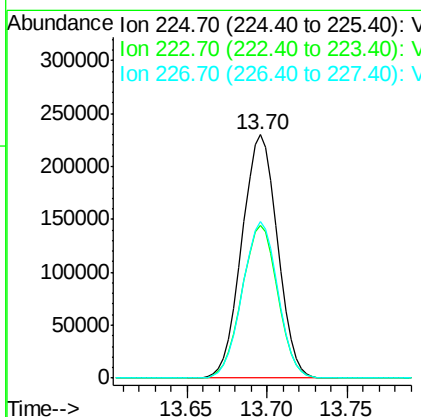
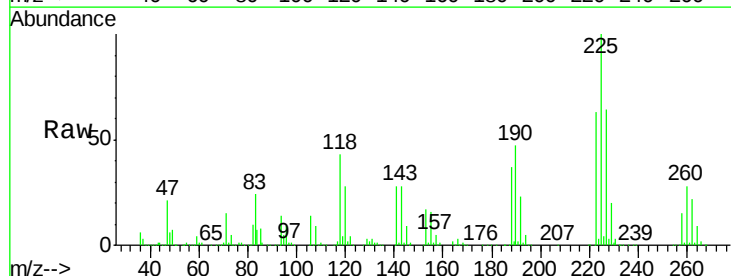
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#94
 Hexachlorobutadiene
 Concen: 140.898 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024504.D
 Acq: 13 Jun 2018 13:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	350175		
223	62.9	31.3	93.8	
227	63.9	31.8	95.4	





#95

Naphthalene

Concen: 188.620 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. -0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tgt Ion:128 Resp: 2157965

Ion Ratio Lower Upper

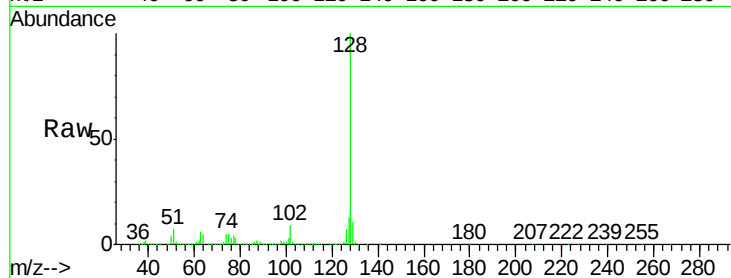
128 100

127 13.0 10.6 16.0

129 10.8 8.6 12.8

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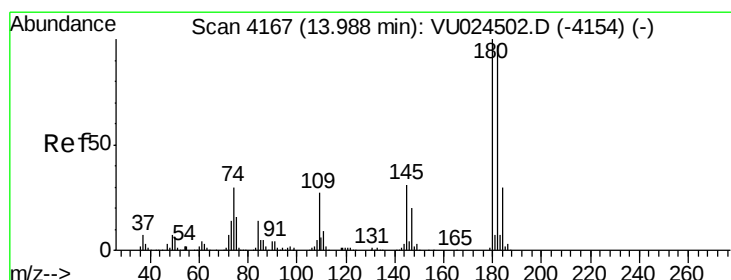
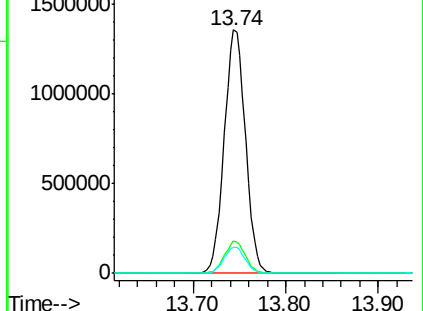
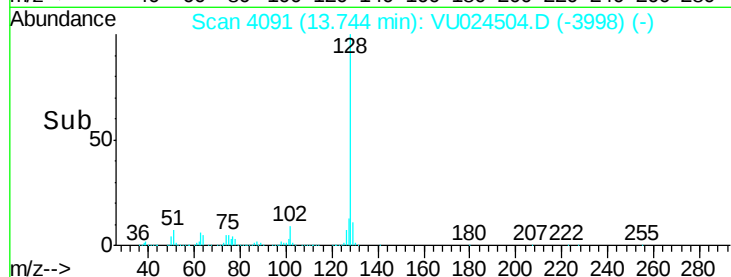
MMDadoda
6/14/2018 9:44:43 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 164.181 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU024504.D

Acq: 13 Jun 2018 13:28

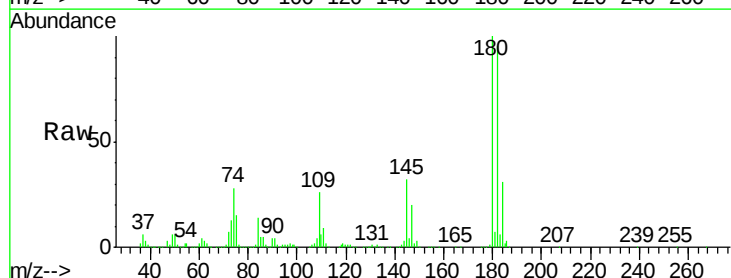
Tgt Ion:180 Resp: 694142

Ion Ratio Lower Upper

180 100

182 95.5 47.9 143.7

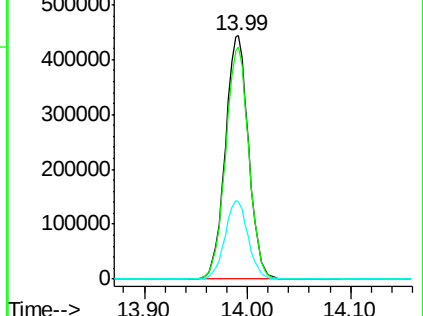
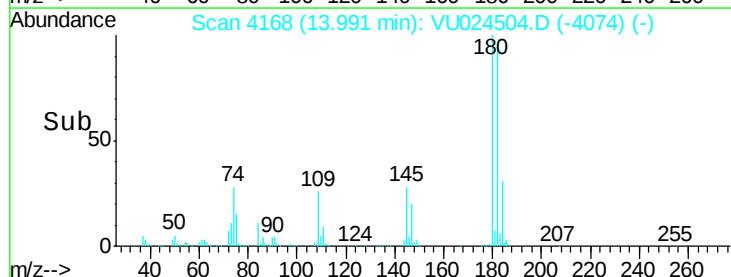
145 32.0 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024505.D
 Acq On : 13 Jun 2018 13:54
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Manual Integrations
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MMDadoda
 6/14/2018 9:44:48 AM

Quant Time: Jun 13 17:05:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.99	168	209361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	320083	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	306834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	184526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	168888	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
35) Dibromofluoromethane	4.89	113	137903	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
50) Toluene-d8	7.57	98	504755	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
62) 4-Bromofluorobenzene	10.31	95	199350	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	127180	48.532	ug/l	99
3) Chloromethane	1.33	50	134633	50.287	ug/l	98
4) Vinyl Chloride	1.40	62	133804	48.462	ug/l	98
5) Bromomethane	1.62	94	71804	53.797	ug/l	100
6) Chloroethane	1.70	64	77653	50.339	ug/l	100
7) Trichlorofluoromethane	1.89	101	194757	46.221	ug/l	99
8) Diethyl Ether	2.10	74	71668	49.979	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	2.29	101	125618	48.055	ug/l	99
10) Methyl Iodide	2.41	142	93398	43.041	ug/l	100
11) Tert butyl alcohol	2.82	59	188298	226.523	ug/l	98
12) 1,1-Dichloroethene	2.28	96	117204	49.165	ug/l	91
13) Acrolein	2.19	56	101463	232.440	ug/l	97
14) Allyl chloride	2.60	41	210200	47.489	ug/l	97
15) Acrylonitrile	2.94	53	394004	243.618	ug/l	98
16) Acetone	2.32	43	441718	240.533	ug/l	99
17) Carbon Disulfide	2.48	76	382674	50.132	ug/l	99
18) Methyl Acetate	2.62	43	184382	46.834	ug/l	98
19) Methyl tert-butyl Ether	3.00	73	433870	48.418	ug/l	98
20) Methylene Chloride	2.70	84	134649	46.729	ug/l	98
21) trans-1,2-Dichloroethene	2.99	96	127392	48.519	ug/l	98
22) Diisopropyl ether	3.57	45	420034	47.871	ug/l	97
23) Vinyl Acetate	3.53	43	1932599	245.878	ug/l	99
24) 1,1-Dichloroethane	3.45	63	242928	48.127	ug/l	98
25) 2-Butanone	4.26	43	604503	245.064	ug/l	98
26) 2,2-Dichloropropane	4.23	77	232735	48.558	ug/l	99
27) cis-1,2-Dichloroethene	4.23	96	145628	48.244	ug/l	99
28) Bromochloromethane	4.55	49	114112	51.325	ug/l	89
29) Tetrahydrofuran	4.63	42	358918	234.962	ug/l	97
30) Chloroform	4.68	83	246789	48.304	ug/l	100
31) Cyclohexane	5.00	56	227307	50.739	ug/l	97
32) 1,1,1-Trichloroethane	4.92	97	222937	47.188	ug/l	96
36) 1,1-Dichloropropene	5.14	75	189454	50.370	ug/l	99
37) Ethyl Acetate	4.38	43	209691	51.151	ug/l	97
38) Carbon Tetrachloride	5.14	117	207682	50.212	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
 Data File : VU024505.D
 Acq On : 13 Jun 2018 13:54
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Manual Integrations
 APPROVED

MMDadoda
 6/14/2018 9:44:48 AM

Quant Time: Jun 13 17:05:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	233808	49.813	ug/l	96
40) Benzene	5.39	78	532500	49.685	ug/l	100
41) Methacrylonitrile	4.54	41	115007	52.033	ug/l	99
42) 1,2-Dichloroethane	5.41	62	202051	49.500	ug/l	100
43) Isopropyl Acetate	5.55	43	343523	48.478	ug/l	98
44) Trichloroethene	6.19	130	150568	49.364	ug/l	98
45) 1,2-Dichloropropane	6.44	63	144397	50.494	ug/l	99
46) Dibromomethane	6.56	93	102474	51.016	ug/l	98
47) Bromodichloromethane	6.76	83	200130	50.035	ug/l	100
48) Methyl methacrylate	6.63	41	171269	49.636	ug/l	99
49) 1,4-Dioxane	6.61	88	65810	975.265	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	1091631	245.208	ug/l	98
52) Toluene	7.64	92	342331	49.648	ug/l	99
53) t-1,3-Dichloropropene	7.88	75	235190	52.360	ug/l	100
54) cis-1,3-Dichloropropene	7.27	75	239919	50.126	ug/l	98
55) 1,1,2-Trichloroethane	8.07	97	133628	47.676	ug/l	99
56) Ethyl methacrylate	8.02	69	232061	49.467	ug/l	99
57) 1,3-Dichloropropane	8.25	76	235354	49.777	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.13	63	476624	265.200	ug/l	97
59) 2-Hexanone	8.36	43	886630	243.947	ug/l	99
60) Dibromochloromethane	8.48	129	171753	49.141	ug/l	99
61) 1,2-Dibromoethane	8.59	107	153226	49.117	ug/l	99
64) Tetrachloroethene	8.23	164	145096	49.749	ug/l	98
65) Chlorobenzene	9.12	112	390986	49.880	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	145101	48.724	ug/l	98
67) Ethyl Benzene	9.25	91	680368	49.512	ug/l	99
68) m/p-Xylenes	9.38	106	528520	100.161	ug/l	97
69) o-Xylene	9.78	106	257251	49.261	ug/l	95
70) Styrene	9.80	104	426491	49.697	ug/l	99
71) Bromoform	9.96	173	137555	48.596	ug/l #	99
73) Isopropylbenzene	10.17	105	688165	48.575	ug/l	98
74) N-amyl acetate	10.01	43	323163	47.957	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	221331	46.621	ug/l	98
76) 1,2,3-Trichloropropane	10.50	75	210914m	51.916	ug/l	
77) Bromobenzene	10.45	156	174707	48.711	ug/l	97
78) n-propylbenzene	10.59	91	828791	49.662	ug/l	97
79) 2-Chlorotoluene	10.66	91	486687	49.452	ug/l	100
80) 1,3,5-Trimethylbenzene	10.78	105	595341	48.483	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	87476m	49.834	ug/l	
82) 4-Chlorotoluene	10.78	91	569145	49.687	ug/l	99
83) tert-Butylbenzene	11.10	119	571168	48.356	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	616941	49.301	ug/l	99
85) sec-Butylbenzene	11.33	105	729865	49.364	ug/l	98
86) p-Isopropyltoluene	11.48	119	663805	50.129	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	329837	49.777	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	337389	50.588	ug/l	98
89) n-Butylbenzene	11.89	91	619881	52.728	ug/l	97
90) Hexachloroethane	12.15	117	124160	48.065	ug/l	99
91) 1,2-Dichlorobenzene	11.88	146	324063	48.826	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	64890	49.536	ug/l	96

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU061318\
Data File : VU024505.D
Acq On : 13 Jun 2018 13:54
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

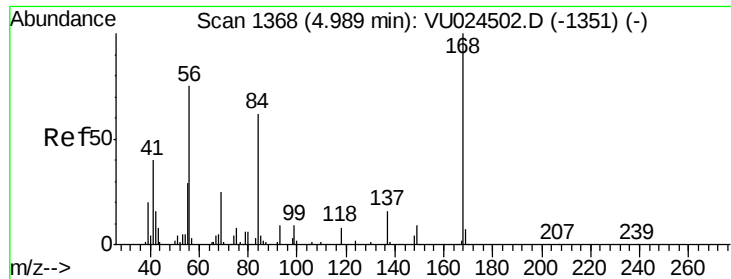
Manual Integrations
APPROVED

MMDadoda
6/14/2018 9:44:48 AM

Quant Time: Jun 13 17:05:41 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	239248	58.374	ug/l	99
94) Hexachlorobutadiene	13.70	225	120222	52.115	ug/l	99
95) Naphthalene	13.74	128	742748	54.677	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	237051	58.045	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

ICVVU061318

Tgt Ion:168 Resp: 209361

Ion Ratio Lower Upper

168 100

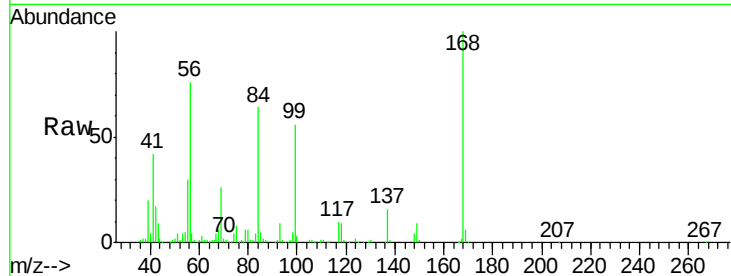
99 55.3 43.2 64.8

Manual Integrations

APPROVED

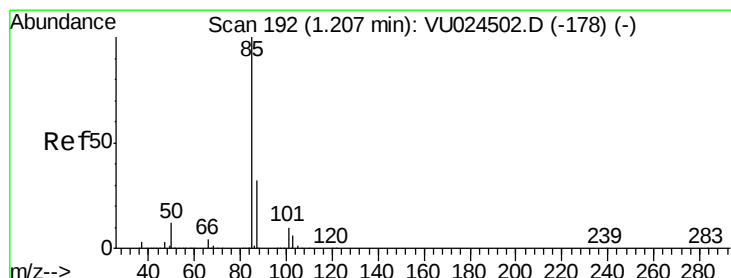
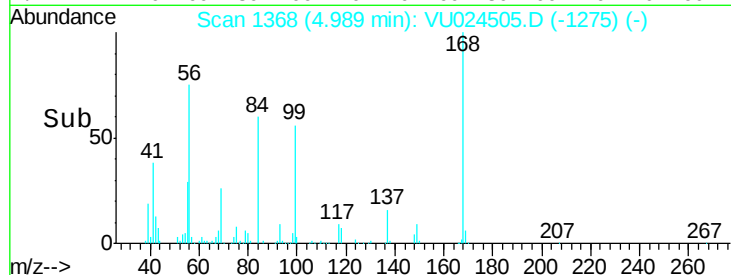
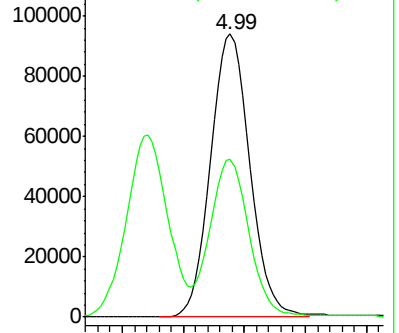
MMDadoda

6/14/2018 9:44:48 AM



Abundance Ion 167.90 (167.60 to 168.60): VU024505.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024505.D (-1275) (-)



#2

Dichlorodifluoromethane

Concen: 48.532 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024505.D

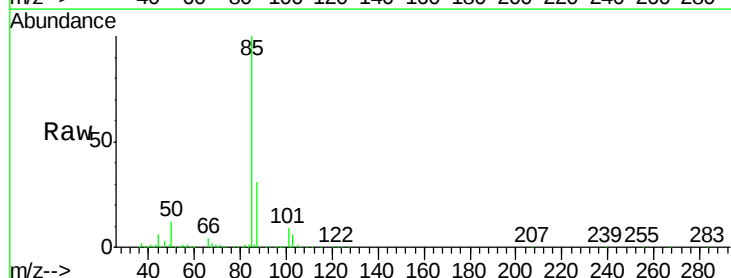
Acq: 13 Jun 2018 13:54

Tgt Ion: 85 Resp: 127180

Ion Ratio Lower Upper

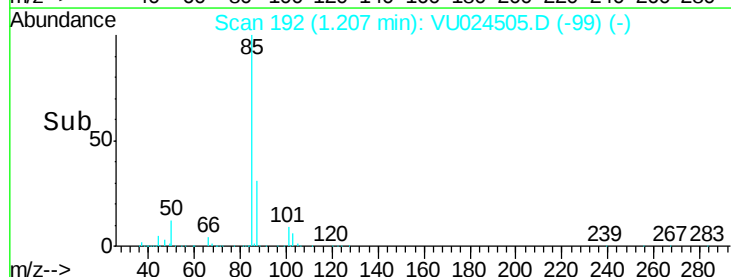
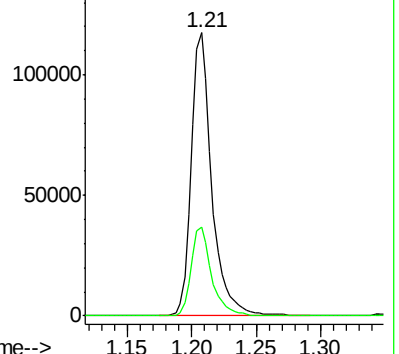
85 100

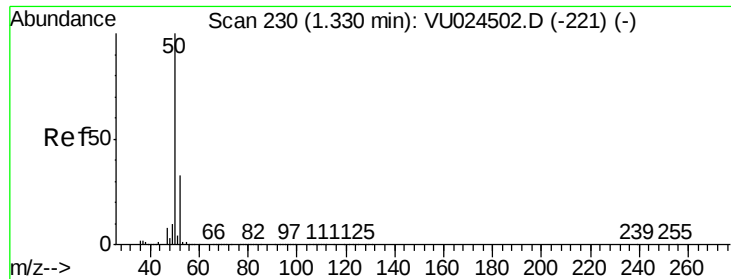
87 31.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU024505.D (-99) (-)

Ion 86.90 (86.60 to 87.60): VU024505.D (-99) (-)





#3

Chloromethane

Concen: 50.287 ug/l

RT: 1.33 min Scan# 230

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

ICVVU061318

Tgt Ion: 50 Resp: 134633

Ion Ratio Lower Upper

50 100

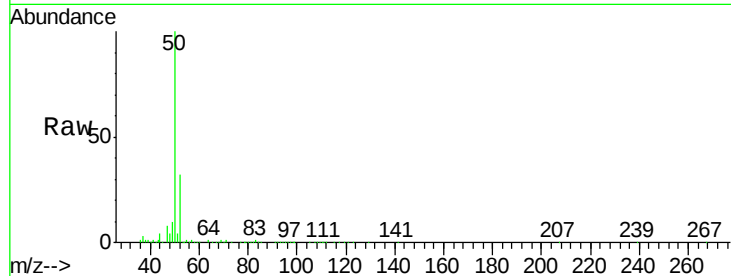
52 32.0 26.4 39.6

Manual Integrations

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6/14/2018 9:44:48 AM



Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

150000

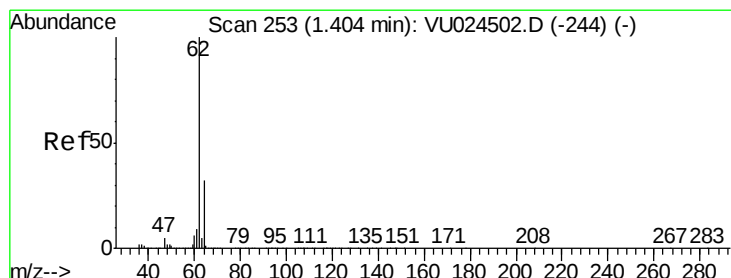
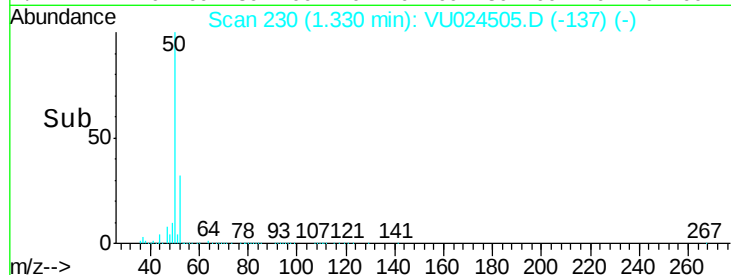
100000

50000

0

Time-->

1.30 1.35 1.40



#4

Vinyl Chloride

Concen: 48.462 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024505.D

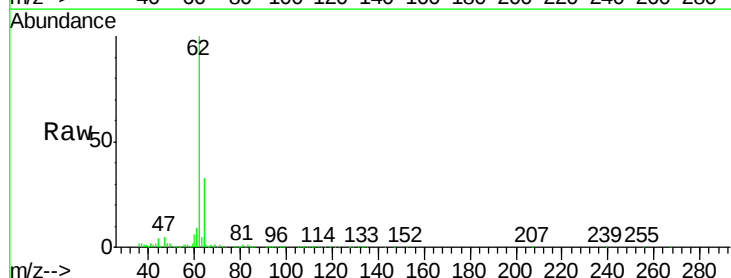
Acq: 13 Jun 2018 13:54

Tgt Ion: 62 Resp: 133804

Ion Ratio Lower Upper

62 100

64 31.9 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0

1.40

150000

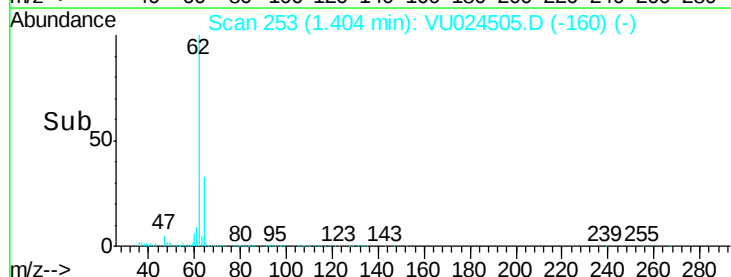
100000

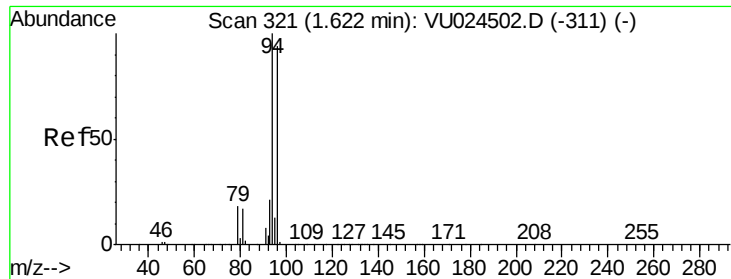
50000

0

Time-->

1.35 1.40 1.45 1.50





#5

Bromomethane

Concen: 53.797 ug/l

RT: 1.62 min Scan# 321

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

ICVVU061318

Tgt Ion: 94 Resp: 71804

Ion Ratio Lower Upper

94 100

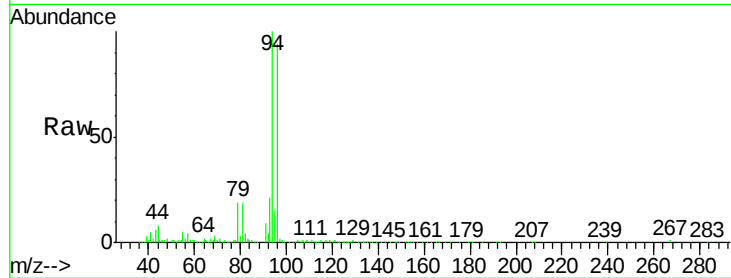
96 93.3 74.5 111.7

Manual Integrations

APPROVED

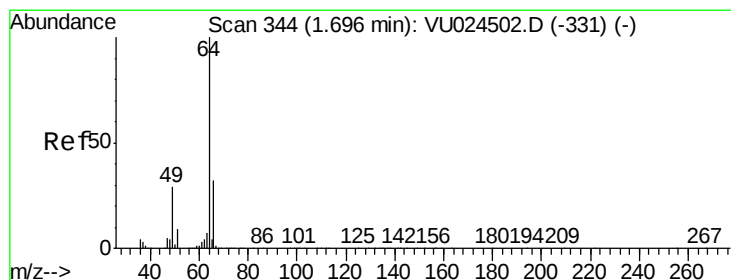
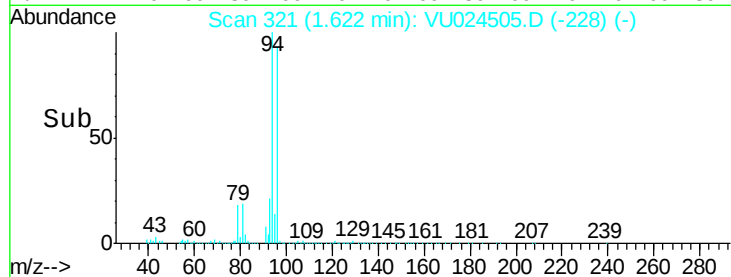
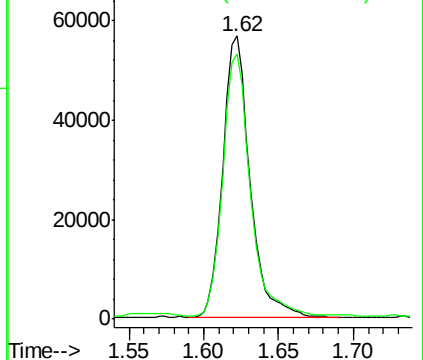
MMDadoda

6/14/2018 9:44:48 AM



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 50.339 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024505.D

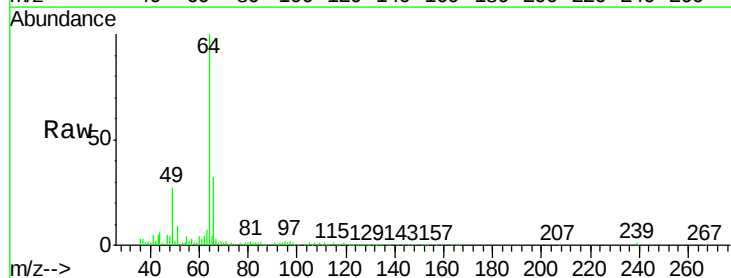
Acq: 13 Jun 2018 13:54

Tgt Ion: 64 Resp: 77653

Ion Ratio Lower Upper

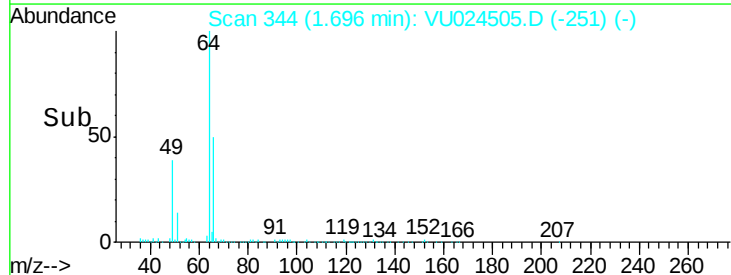
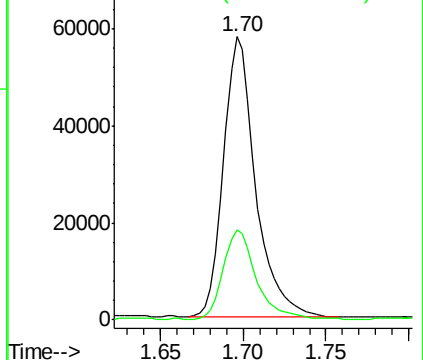
64 100

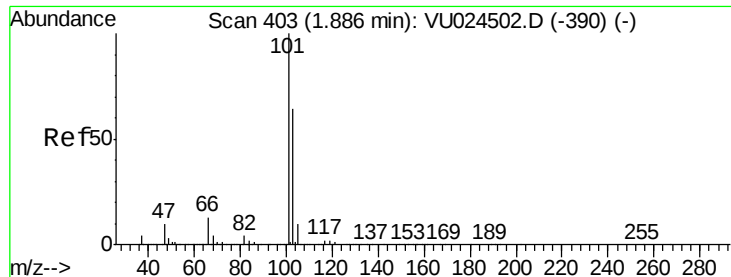
66 32.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

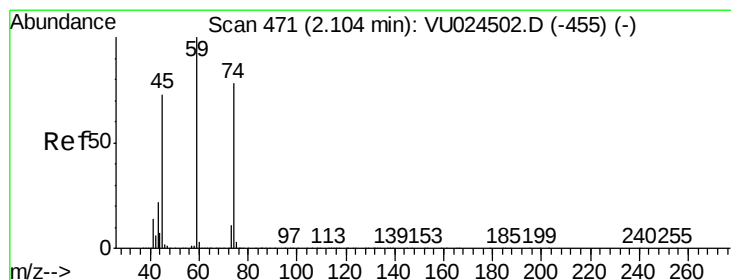
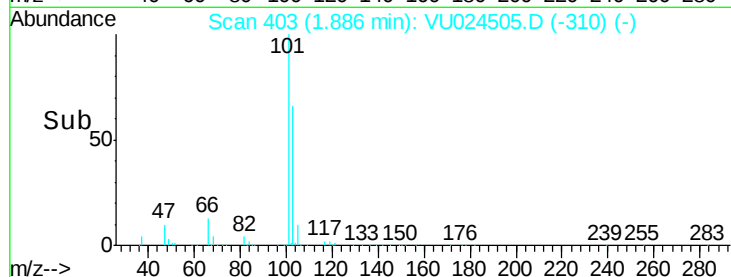
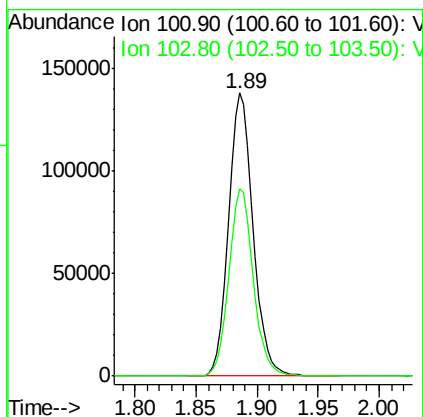
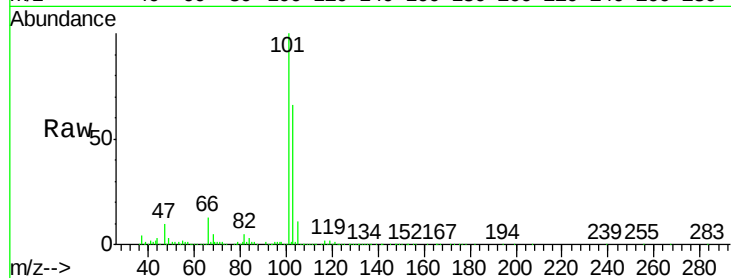
Trichlorofluoromethane
Concen: 46.221 ug/l
RT: 1.89 min Scan# 403
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.3	78.5

Manual Integrations
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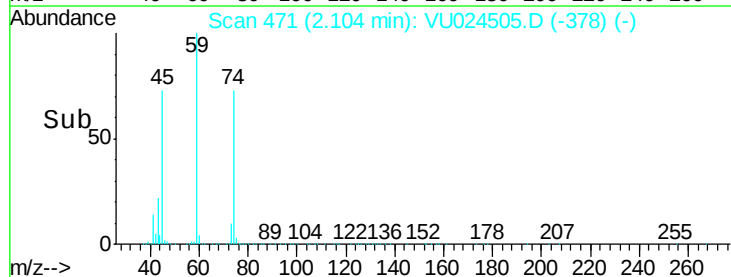
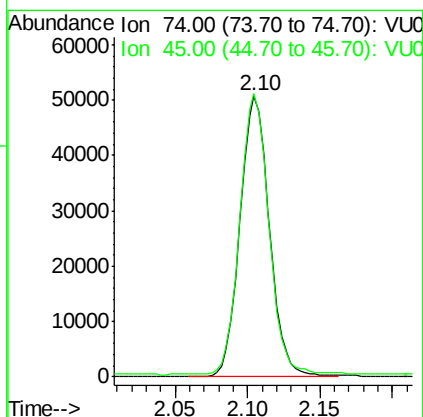
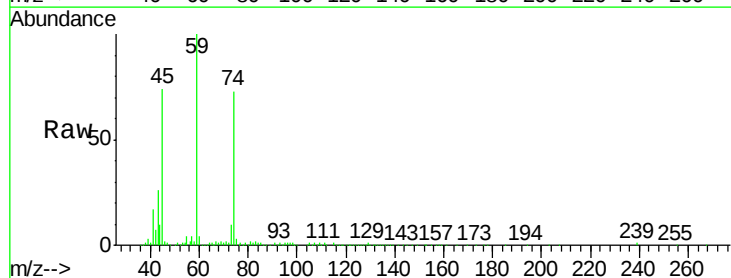
MMDadoda
6/14/2018 9:44:48 AM

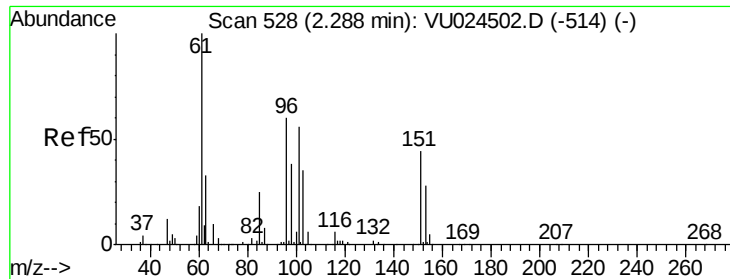


#8

Diethyl Ether
Concen: 49.979 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.055 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

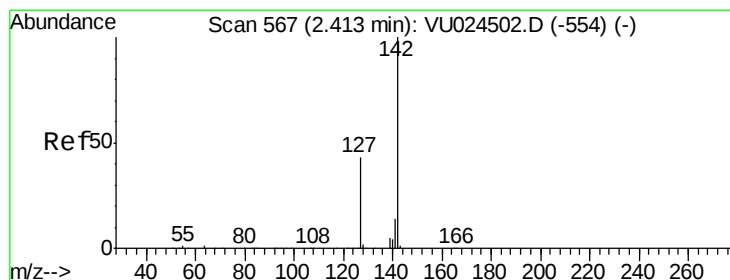
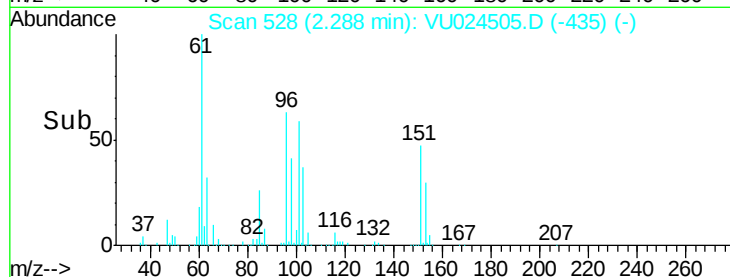
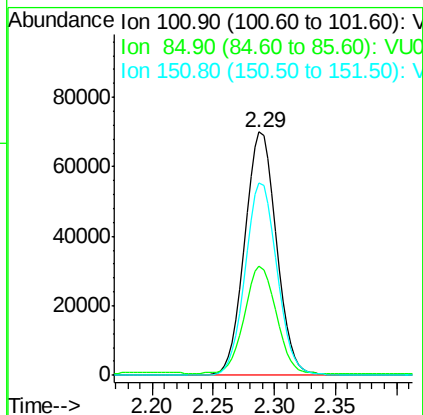
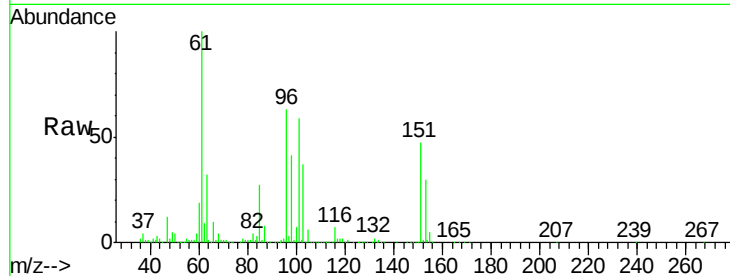
ClientSampleId :

ICVVU061318

Tgt	Ion:101	Resp:	125618
Ion	Ratio	Lower	Upper
101	100		
85	44.7	36.0	54.0
151	79.3	62.3	93.5

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#10

Methyl Iodide

Concen: 43.041 ug/l

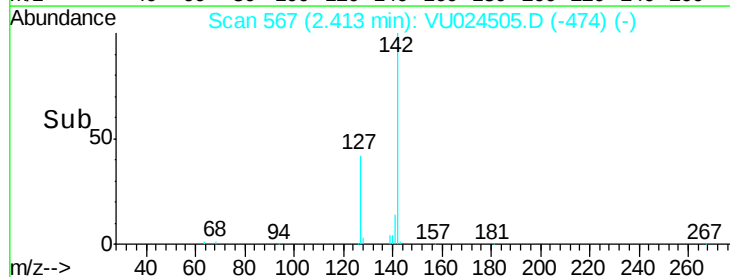
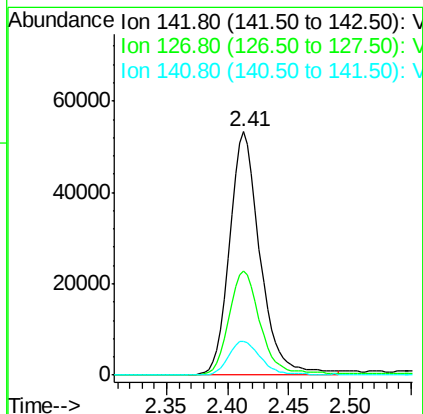
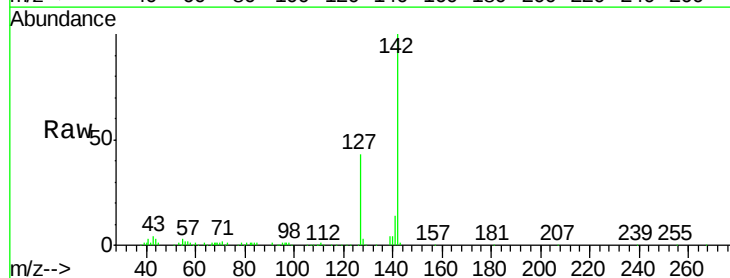
RT: 2.41 min Scan# 567

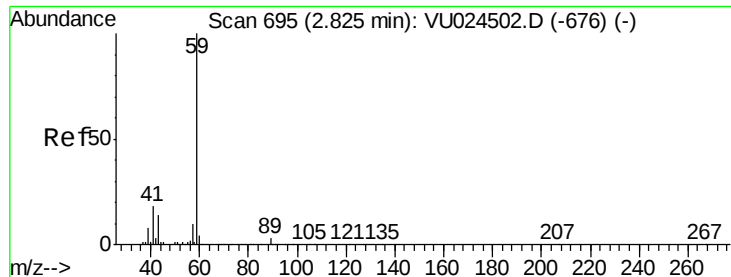
Delta R.T. 0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Tgt	Ion:142	Resp:	93398
Ion	Ratio	Lower	Upper
142	100		
127	44.6	35.6	53.4
141	14.6	11.7	17.5





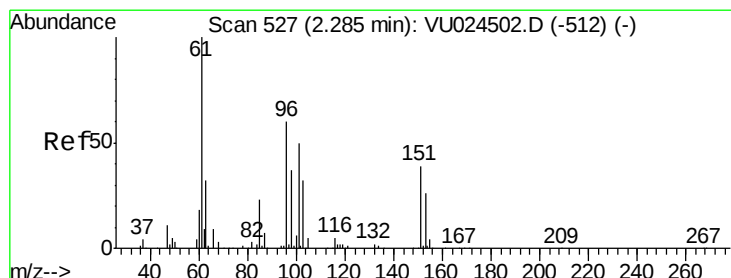
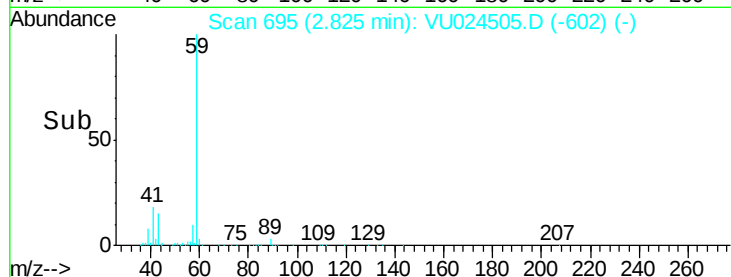
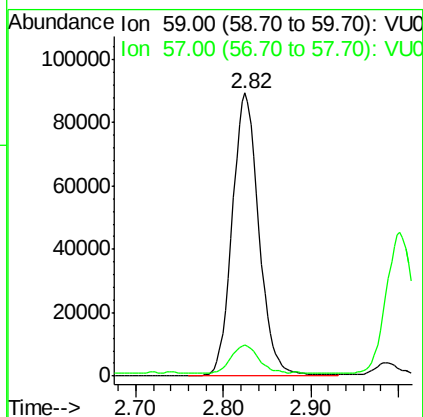
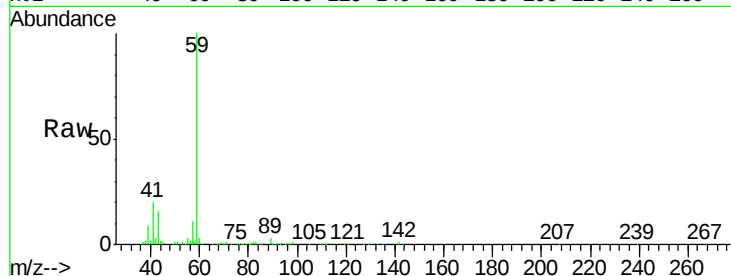
#11
Tert butyl alcohol
Concen: 226.523 ug/l
RT: 2.82 min Scan# 695
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

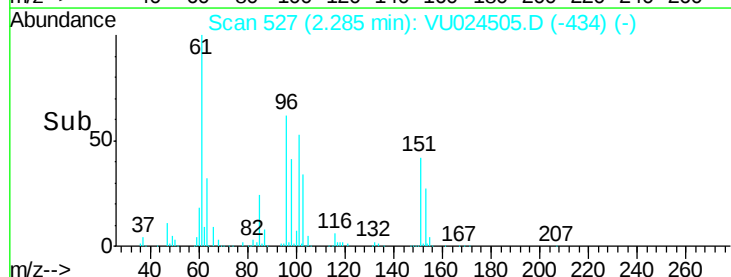
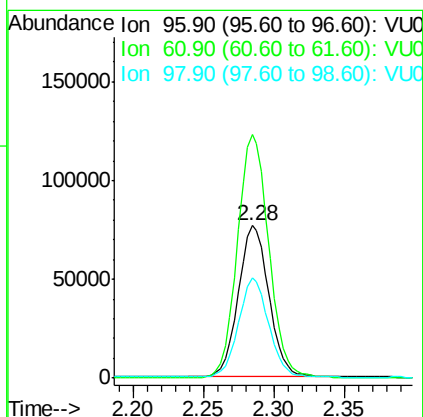
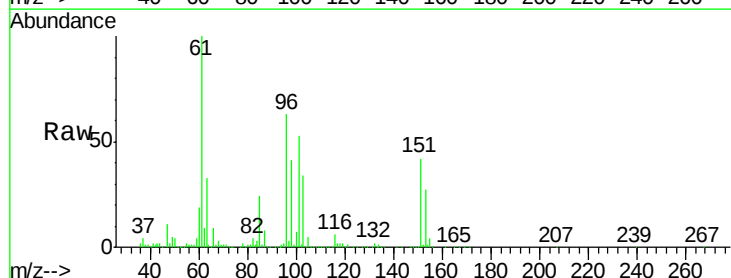
Manual Integrations
APPROVED

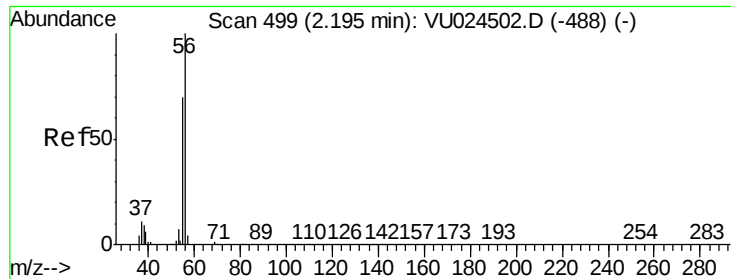
MMDadoda
6/14/2018 9:44:48 AM



#12
1,1-Dichloroethene
Concen: 49.165 ug/l
RT: 2.28 min Scan# 527
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.0	141.7	212.5
98	65.3	51.6	77.4





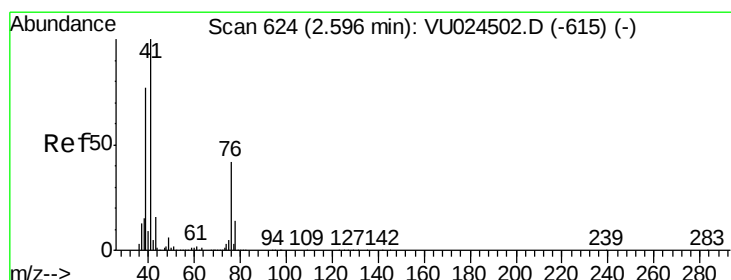
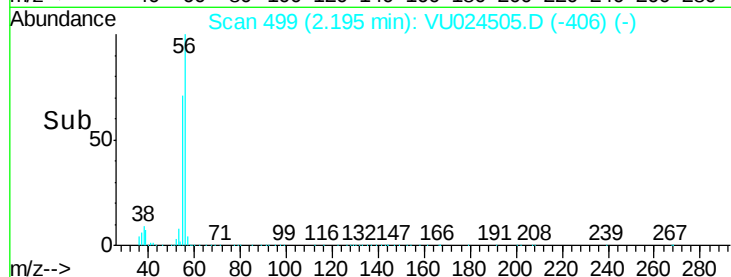
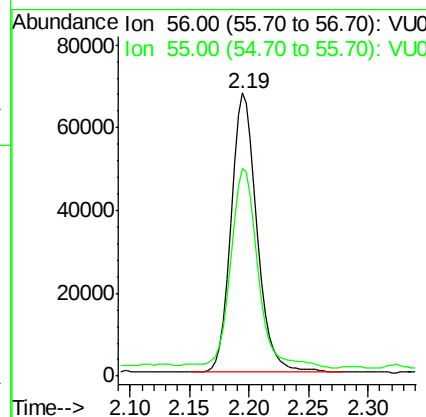
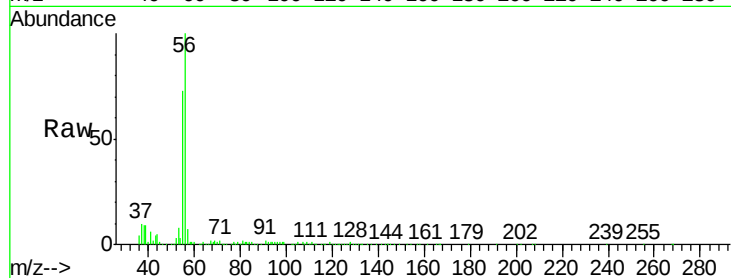
#13
Acrolein
Concen: 232.440 ug/l
RT: 2.19 min Scan# 499
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Lower	Upper
56	100		
55	75.2	58.4	87.6

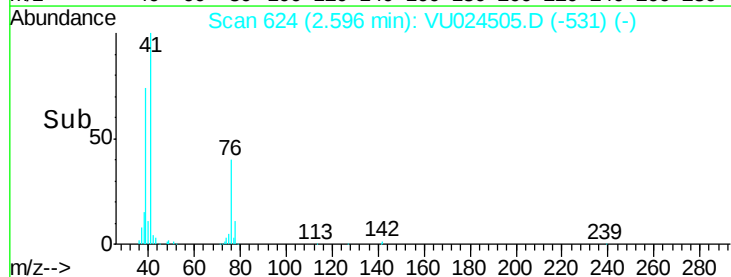
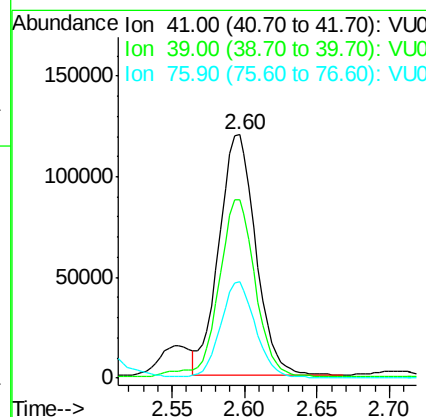
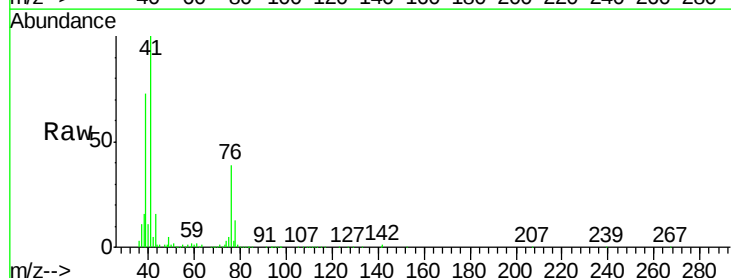
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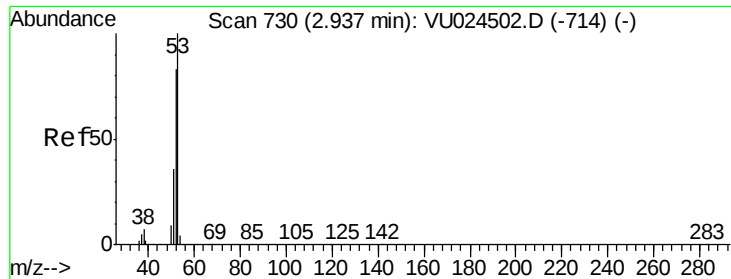
MMDadoda
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#14
Allyl chloride
Concen: 47.489 ug/l
RT: 2.60 min Scan# 624
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	73.4	61.6	92.4
76	38.1	29.7	44.5





#15

Acrylonitrile

Concen: 243.618 ug/l

RT: 2.94 min Scan# 730

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

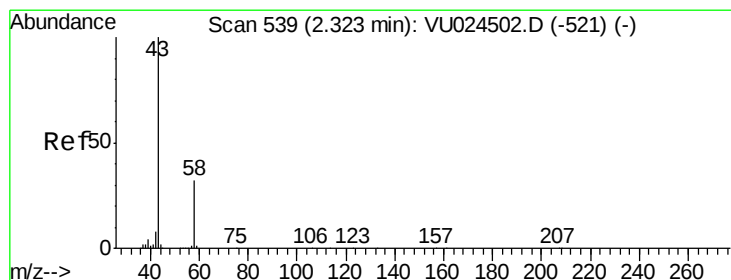
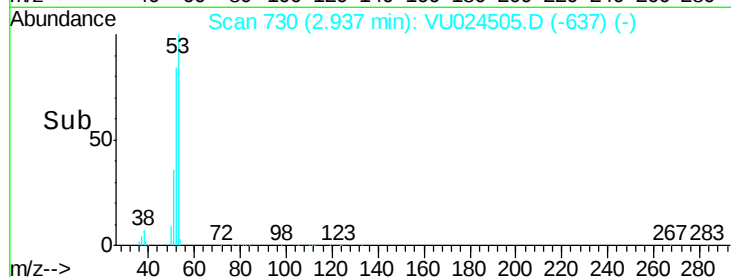
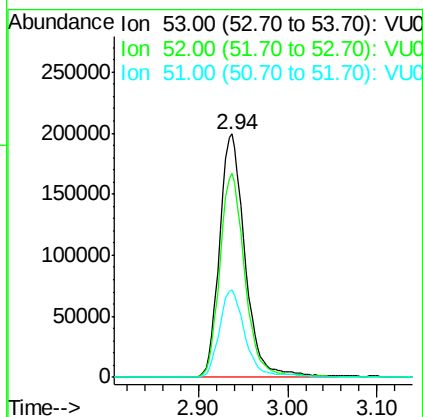
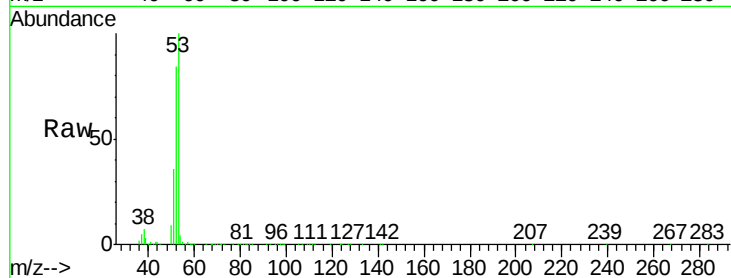
ClientSampleId :

ICVVU061318

Tgt Ion:	53	Resp:	394004
Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.1	100.7
51	36.8	28.4	42.6

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#16

Acetone

Concen: 240.533 ug/l

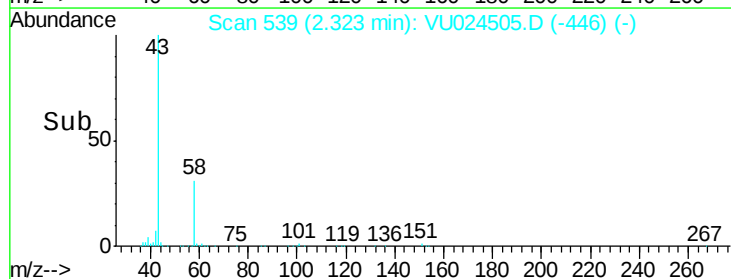
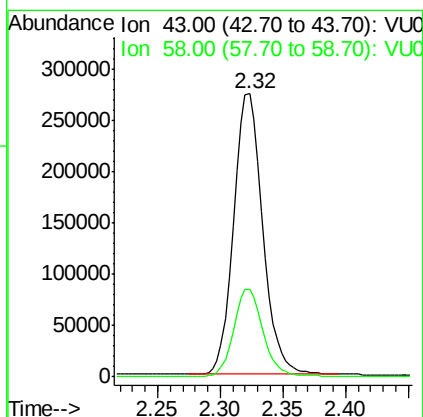
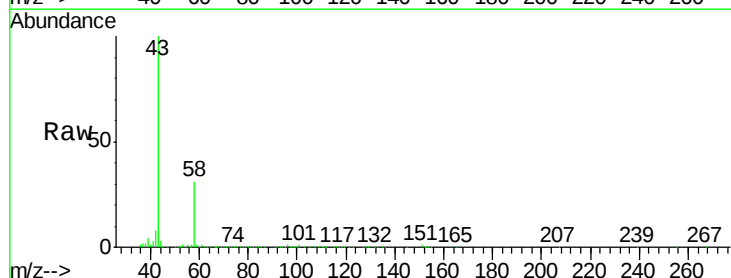
RT: 2.32 min Scan# 539

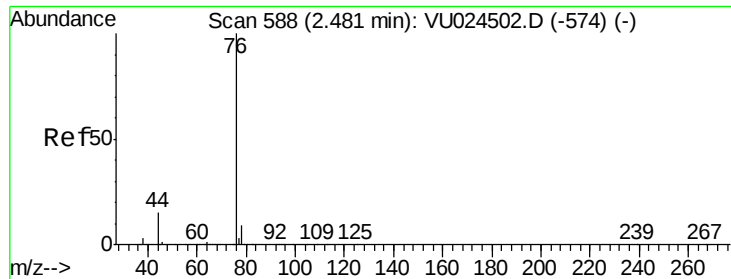
Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Tgt Ion:	43	Resp:	441718
Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.4	36.6





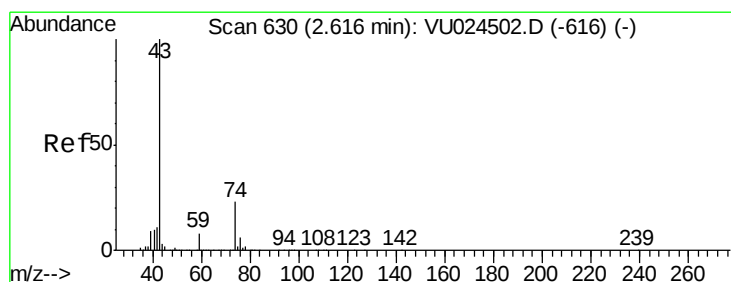
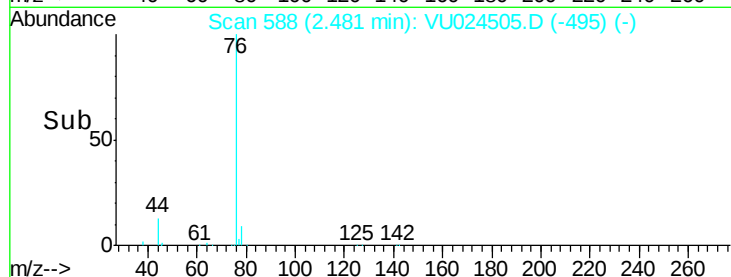
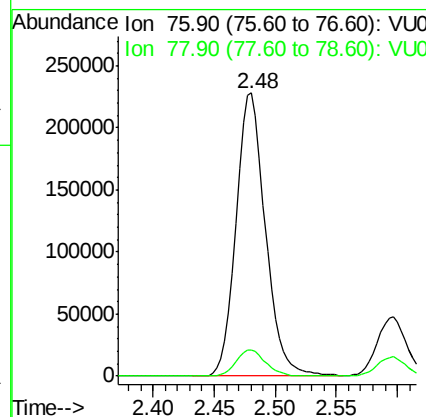
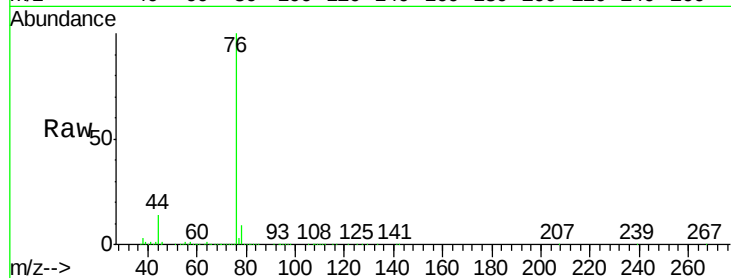
#17
Carbon Disulfide
Concen: 50.132 ug/l
RT: 2.48 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

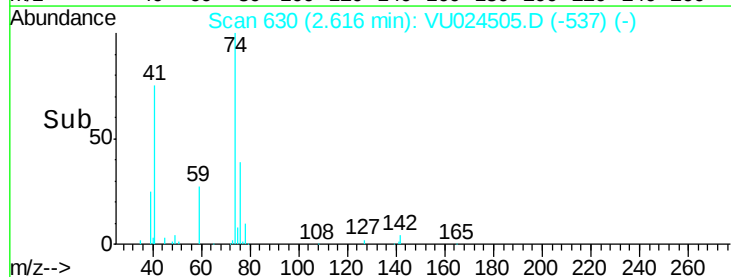
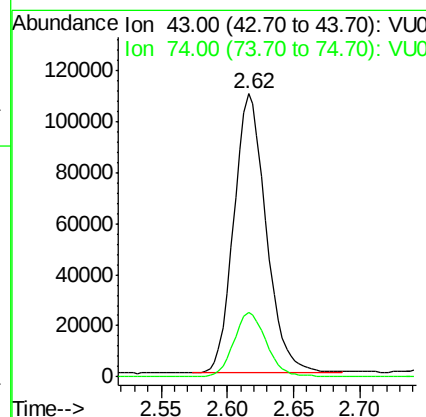
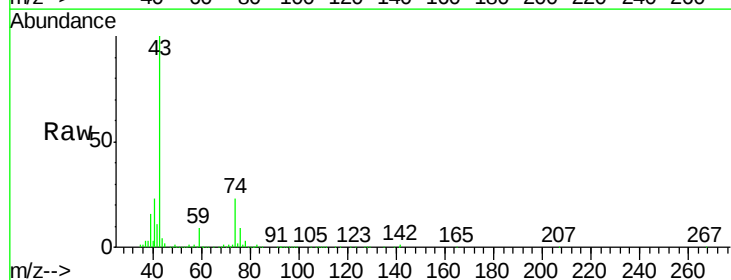
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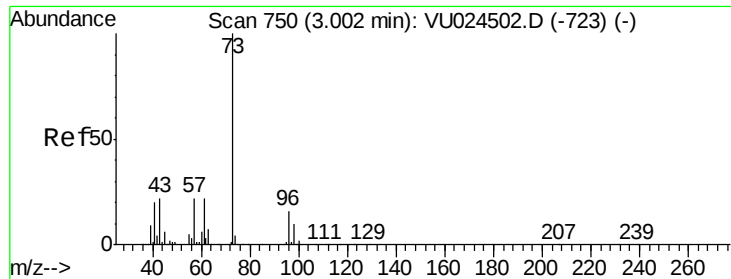
MMDadoda
6/14/2018 9:44:48 AM



#18
Methyl Acetate
Concen: 46.834 ug/l
RT: 2.62 min Scan# 630
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.0	27.0





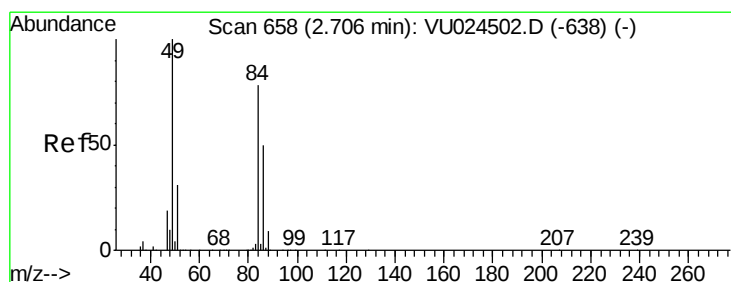
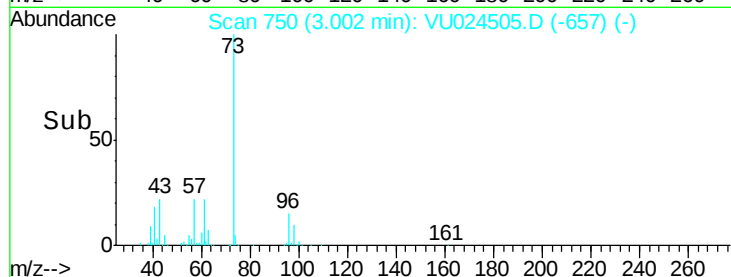
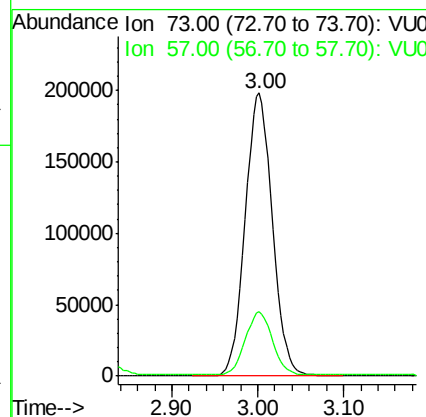
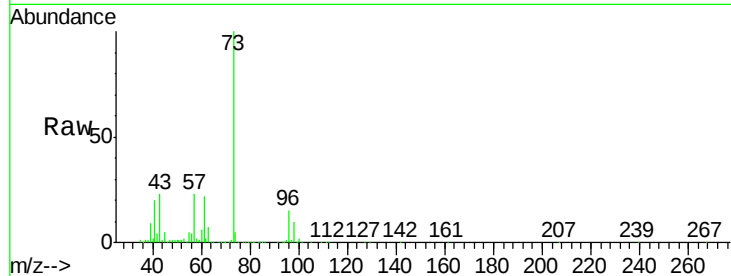
#19
Methyl tert-butyl Ether
Concen: 48.418 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion: 73 Resp: 433870
Ion Ratio Lower Upper
73 100
57 22.3 18.8 28.2

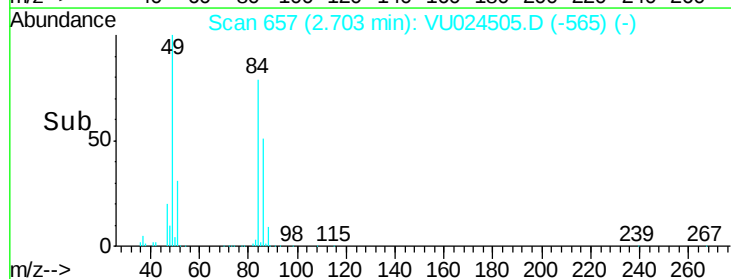
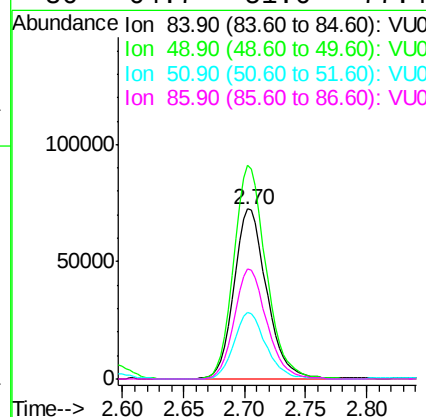
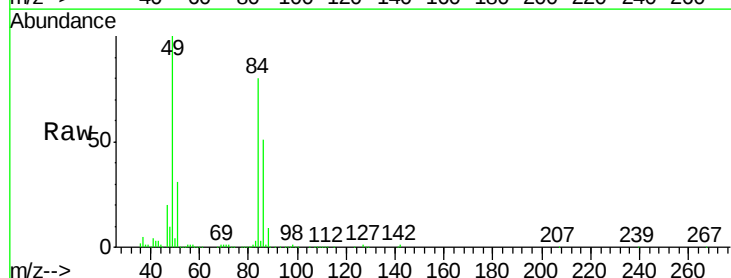
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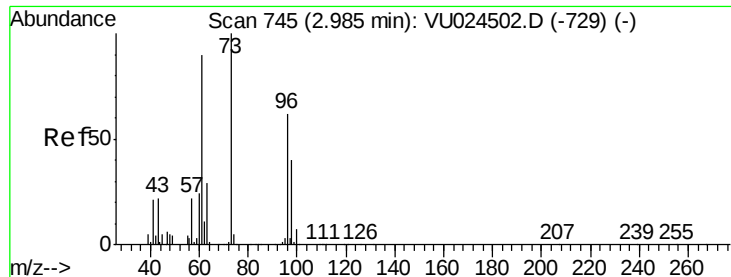
MMDadoda
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#20
Methylene Chloride
Concen: 46.729 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion: 84 Resp: 134649
Ion Ratio Lower Upper
84 100
49 126.0 103.8 155.8
51 39.0 32.0 48.0
86 64.7 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 48.519 ug/l

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

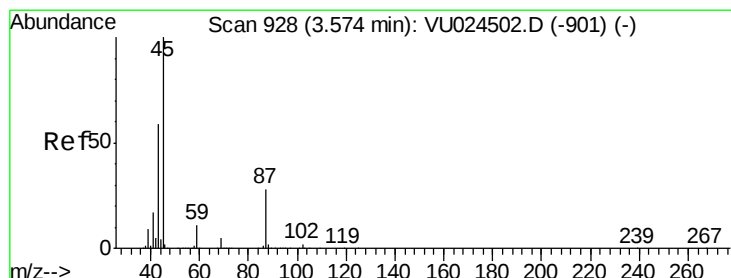
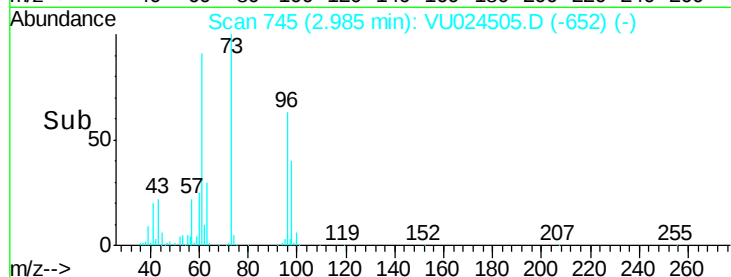
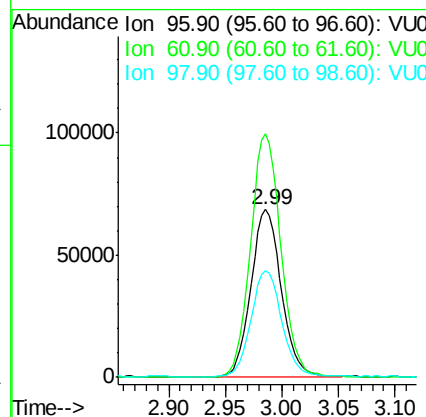
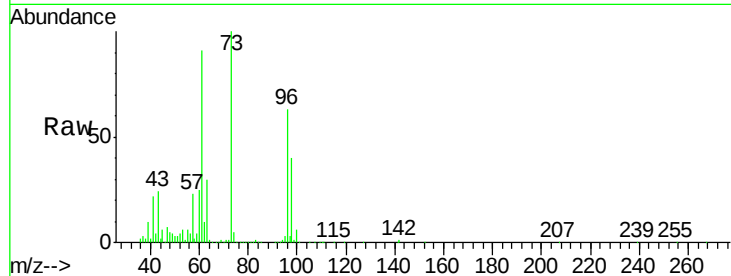
ClientSampleId :

ICVVU061318

Tgt Ion:	96	Resp:	127392
Ion	Ratio	Lower	Upper
96	100		
61	145.7	119.4	179.0
98	63.6	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.871 ug/l

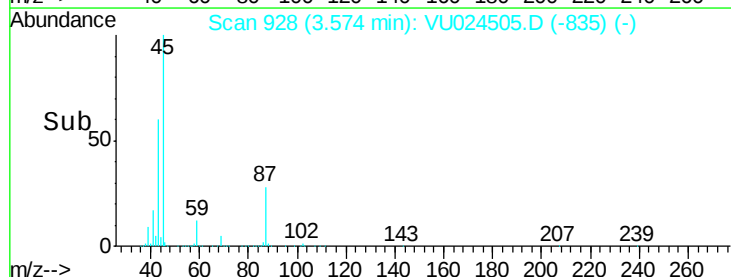
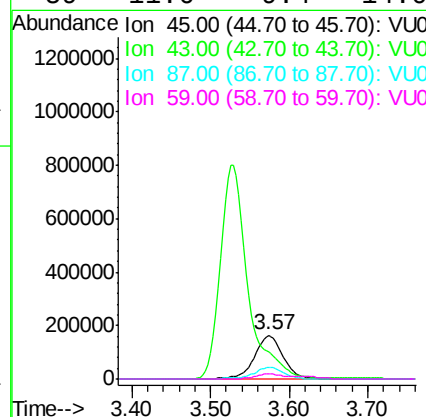
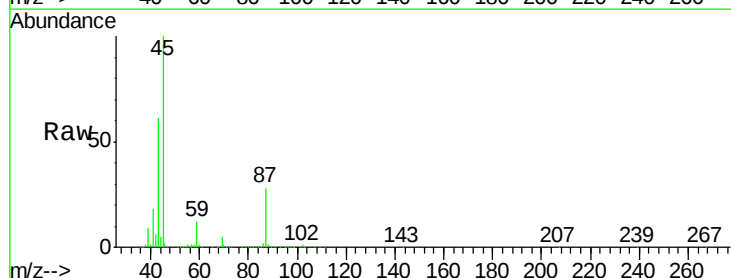
RT: 3.57 min Scan# 928

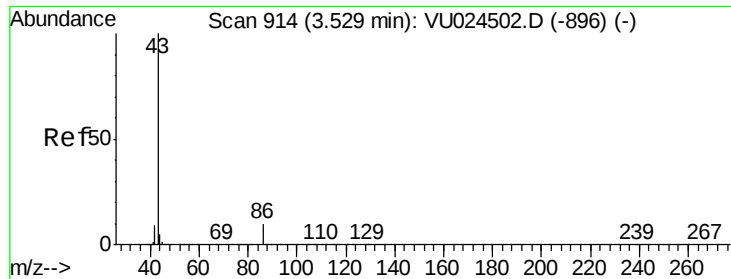
Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Tgt Ion:	45	Resp:	420034
Ion	Ratio	Lower	Upper
45	100		
43	60.1	45.8	68.6
87	27.4	20.6	31.0
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 245.878 ug/l

RT: 3.53 min Scan# 914

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

ICVVU061318

Tgt Ion: 43 Resp: 1932599

Ion Ratio Lower Upper

43 100

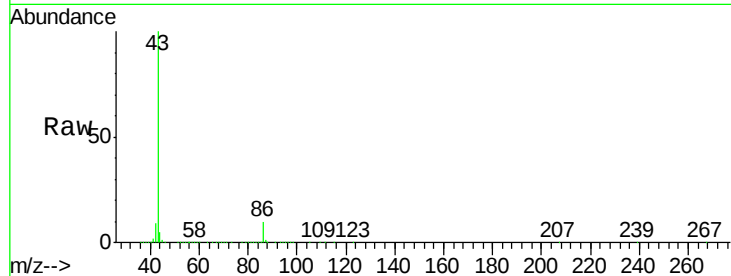
86 10.3 7.8 11.8

Manual Integrations

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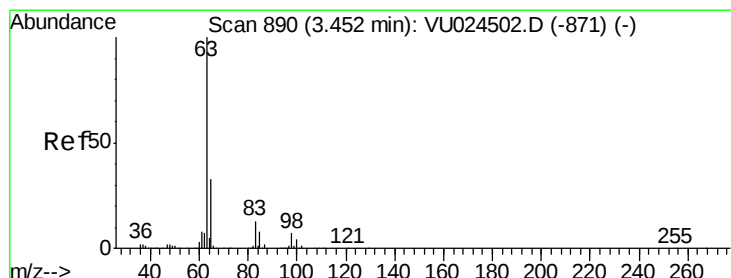
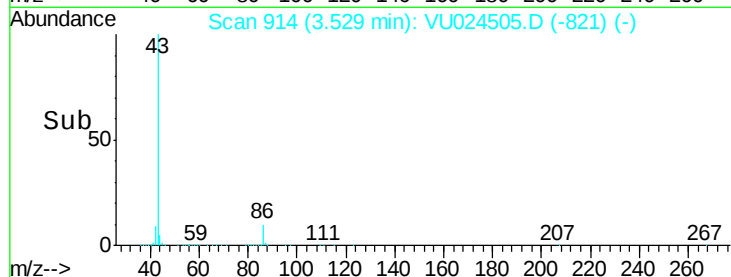
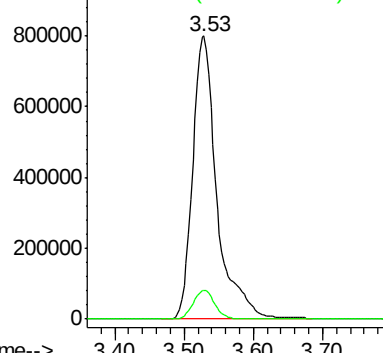
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#24

1,1-Dichloroethane

Concen: 48.127 ug/l

RT: 3.45 min Scan# 890

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

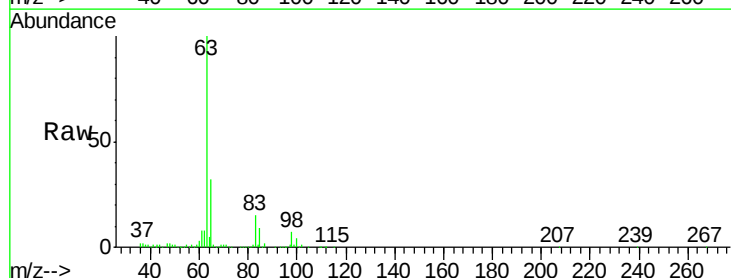
Tgt Ion: 63 Resp: 242928

Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

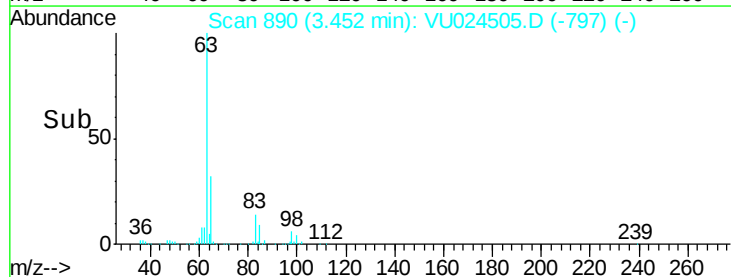
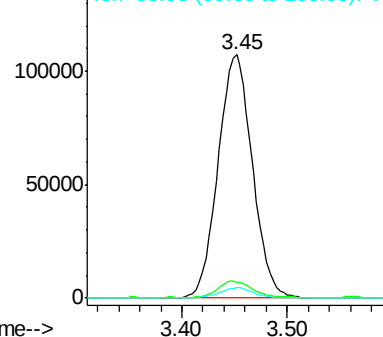
100 4.3 1.8 5.5

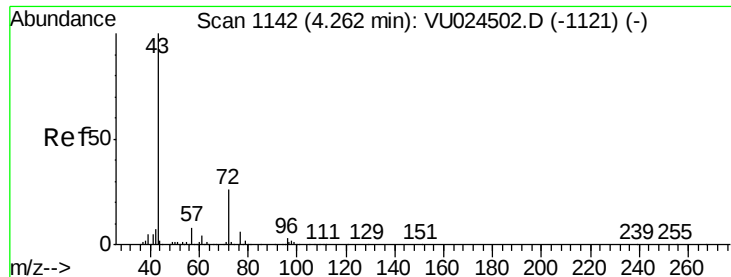


Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Ion 99.90 (99.60 to 100.60): VU0





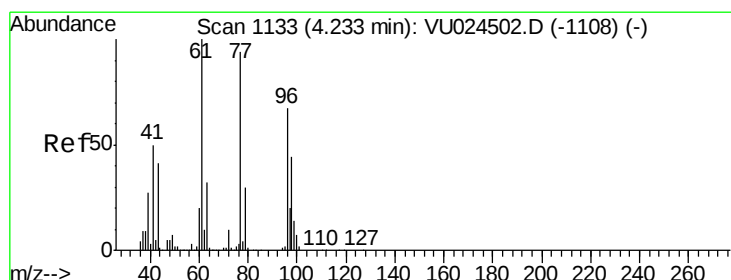
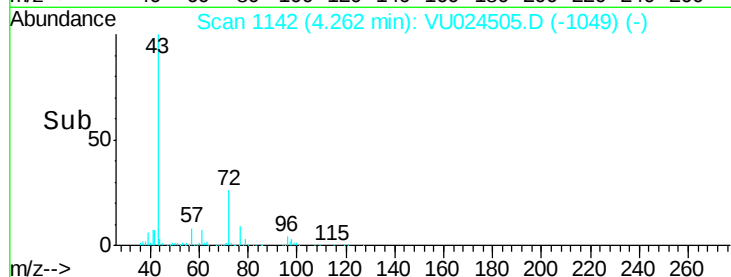
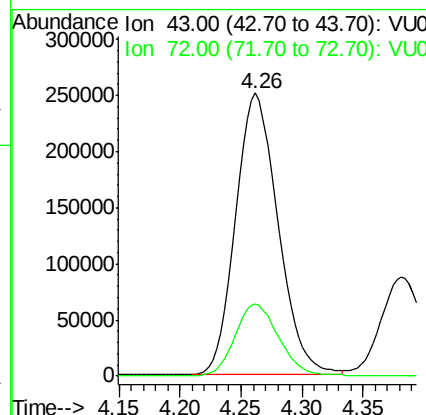
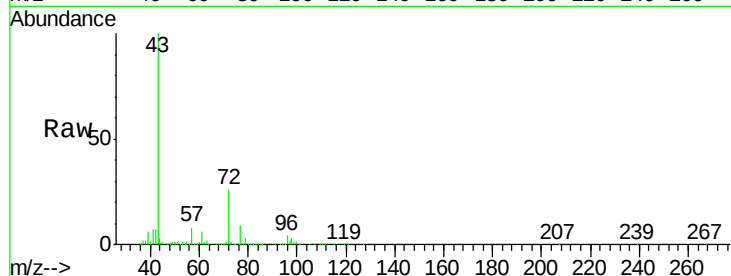
#25
2-Butanone
Concen: 245.064 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion: 43 Resp: 604503
Ion Ratio Lower Upper
43 100
72 25.5 19.6 29.4

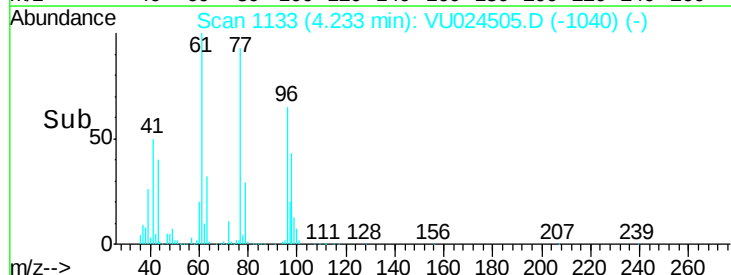
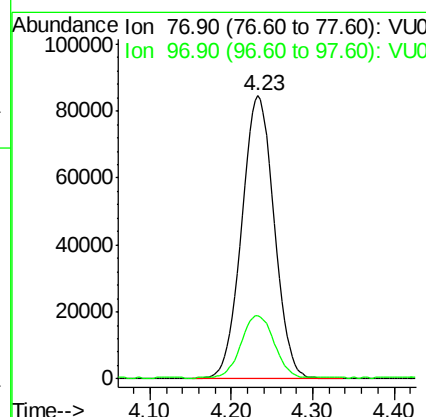
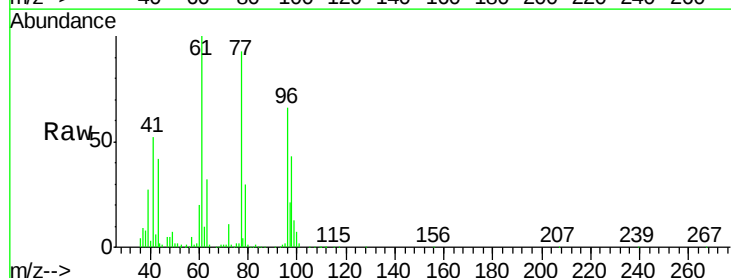
Manual Integrations
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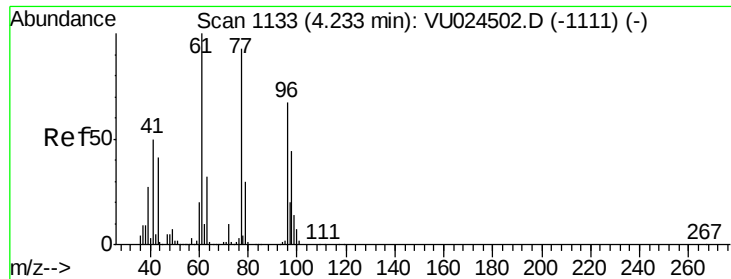
MMDadoda
6/14/2018 9:44:48 AM



#26
2,2-Dichloropropane
Concen: 48.558 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion: 77 Resp: 232735
Ion Ratio Lower Upper
77 100
97 22.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 48.244 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

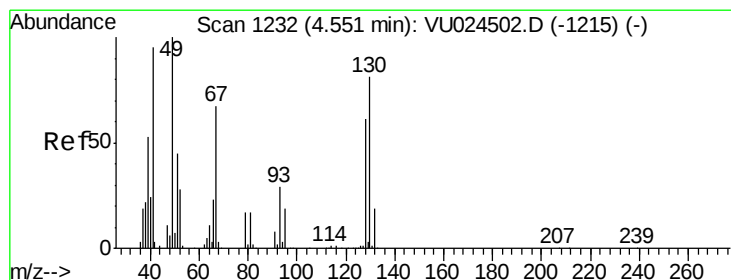
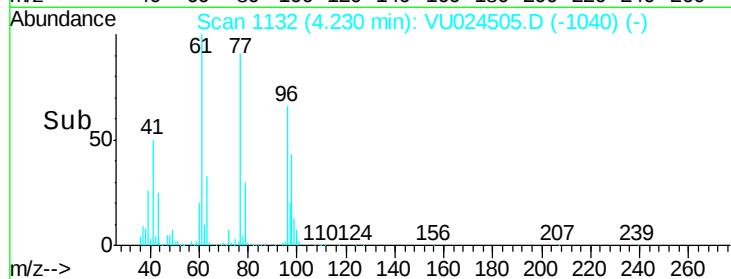
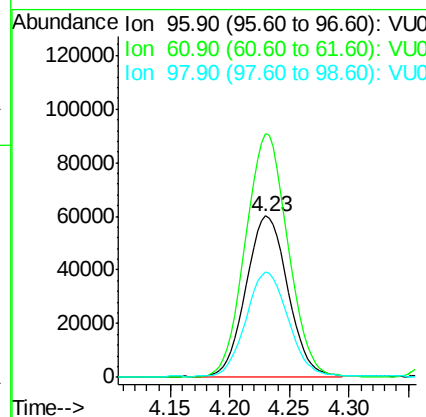
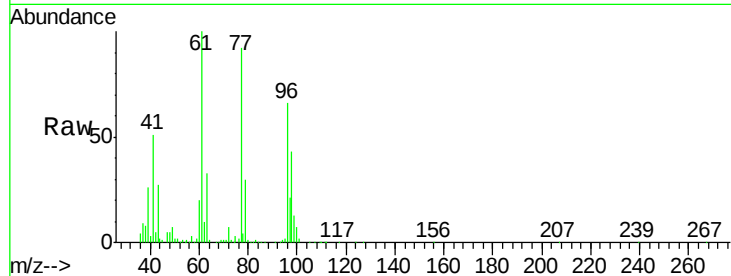
ClientSampleId :

ICVVU061318

Tgt Ion:	96	Resp:	145628
Ion Ratio	Lower	Upper	
96	100		
61	154.9	0.0	306.6
98	65.7	0.0	128.8

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#28

Bromochloromethane

Concen: 51.325 ug/l

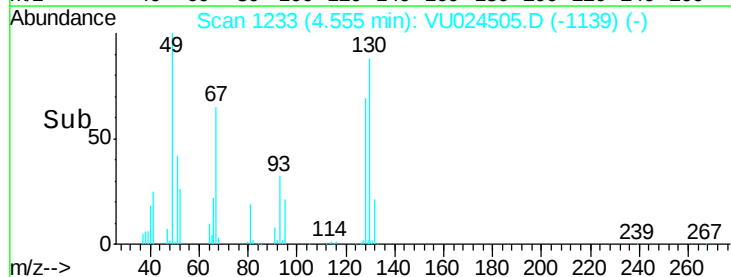
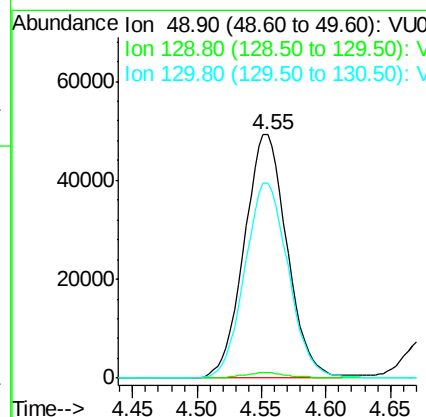
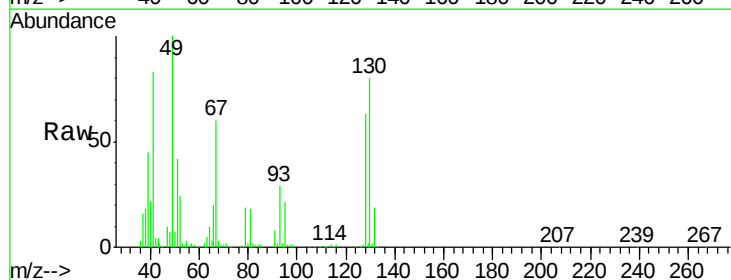
RT: 4.55 min Scan# 1233

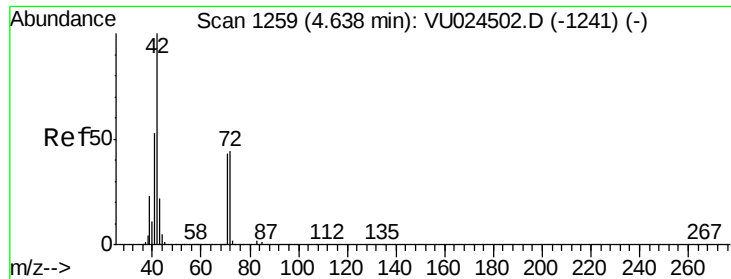
Delta R.T. 0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Tgt Ion:	49	Resp:	114112
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	3.8
130	81.6	57.8	86.6





#29

Tetrahydrofuran

Concen: 234.962 ug/l

RT: 4.63 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

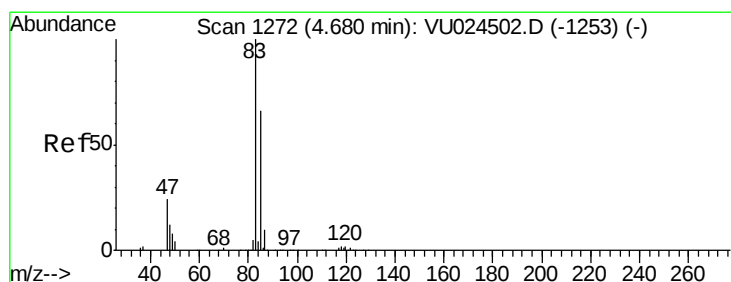
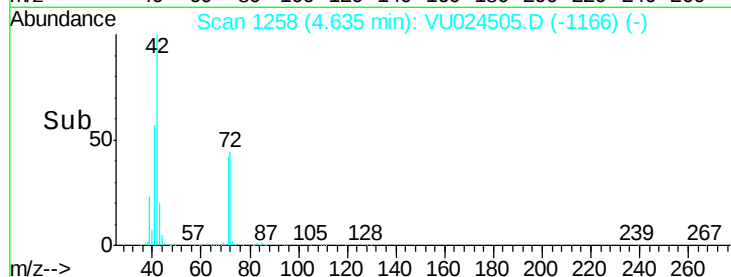
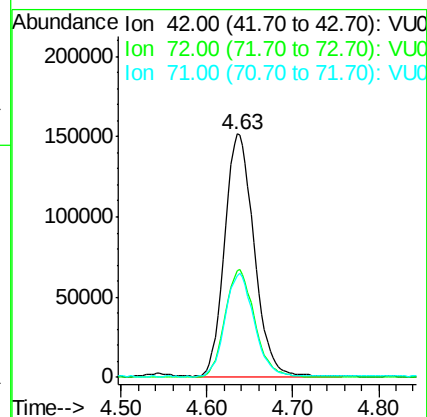
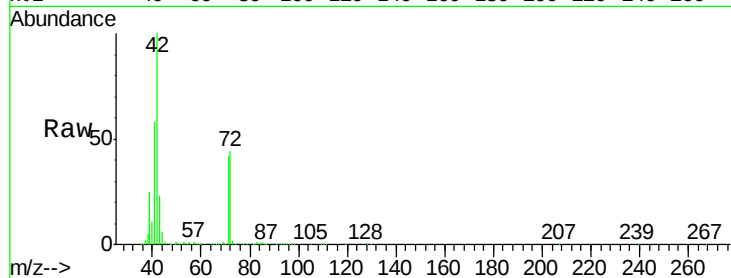
ClientSampleId :

ICVVU061318

Tgt Ion:	42	Resp:	358918
Ion	Ratio	Lower	Upper
42	100		
72	45.1	34.5	51.7
71	42.1	32.2	48.4

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#30

Chloroform

Concen: 48.304 ug/l

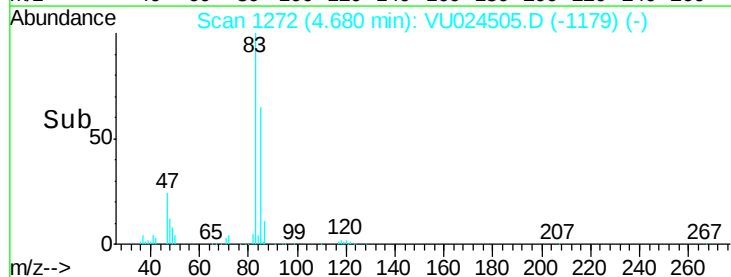
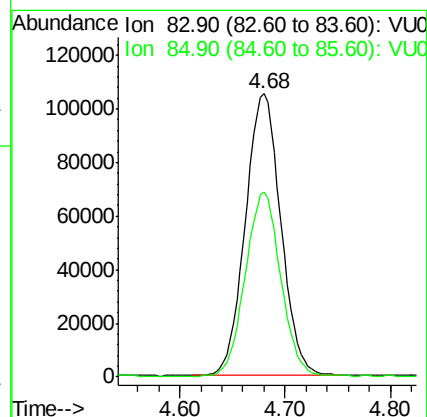
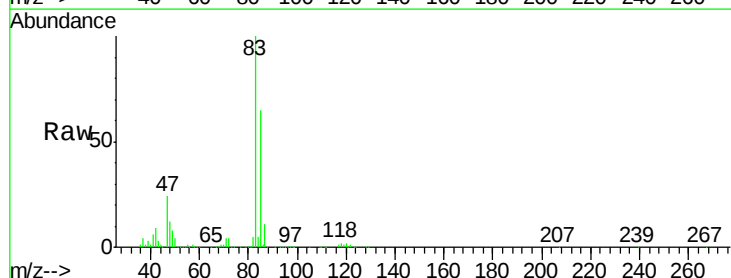
RT: 4.68 min Scan# 1272

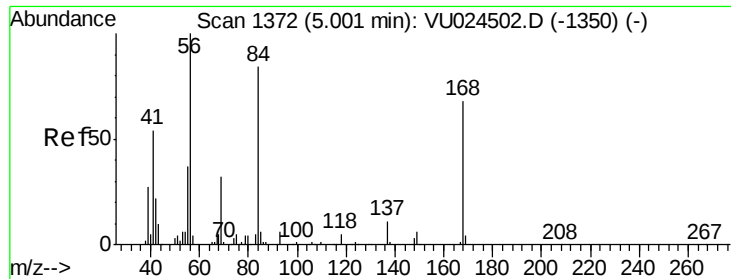
Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Tgt Ion:	83	Resp:	246789
Ion	Ratio	Lower	Upper
83	100		
85	65.2	52.4	78.6





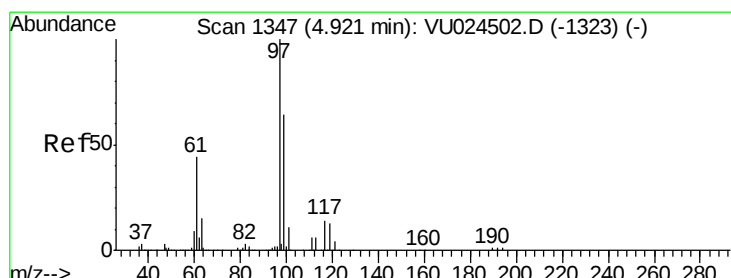
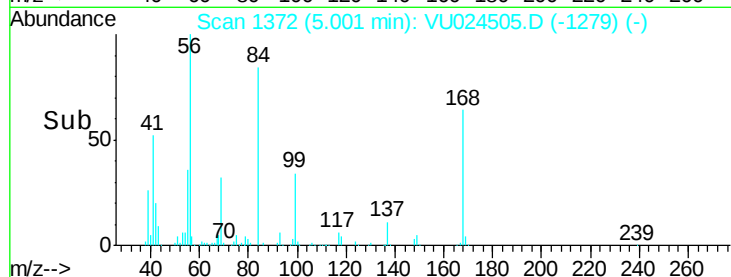
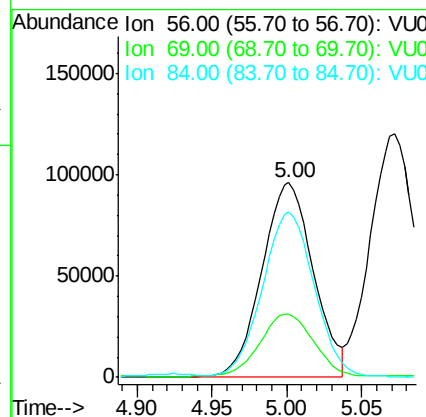
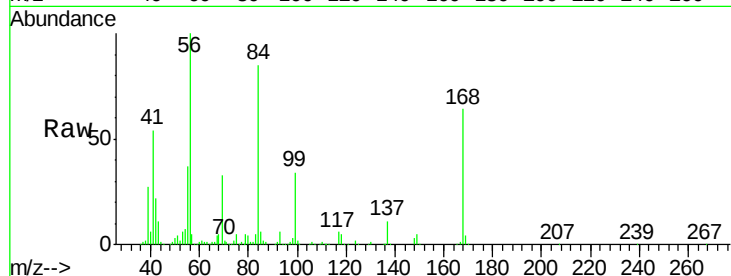
#31
Cyclohexane
Concen: 50.739 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.1	24.8	37.2
84	84.0	65.2	97.8

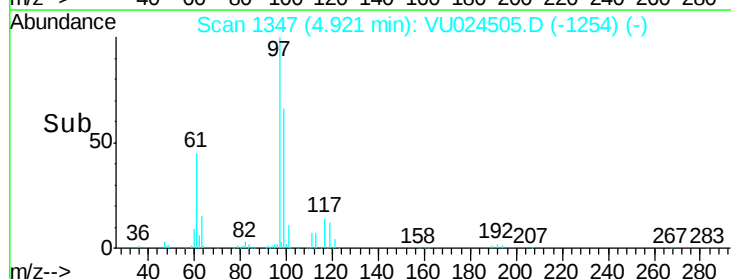
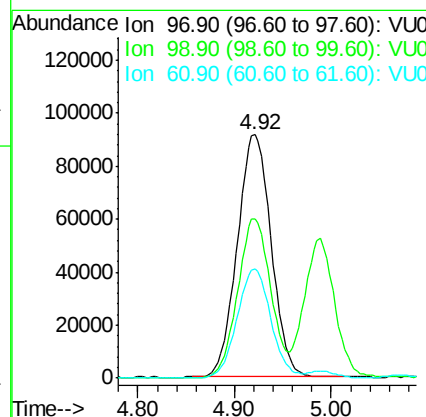
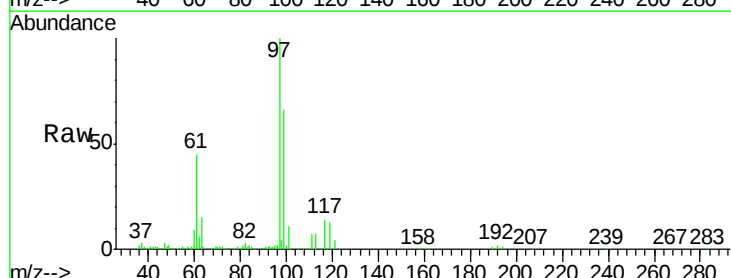
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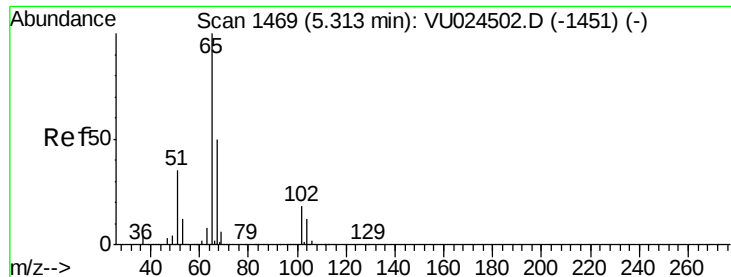
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#32
1,1,1-Trichloroethane
Concen: 47.188 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.0	76.6
61	45.1	39.4	59.0





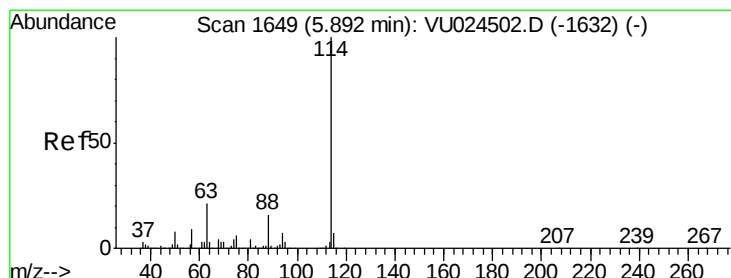
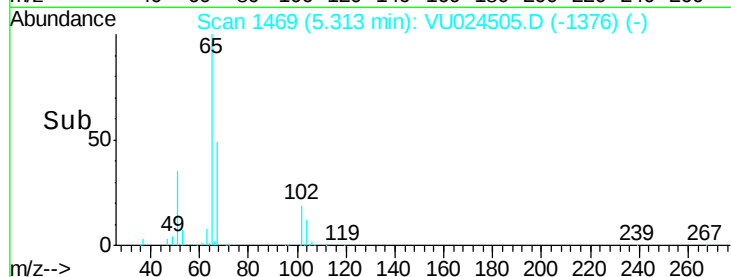
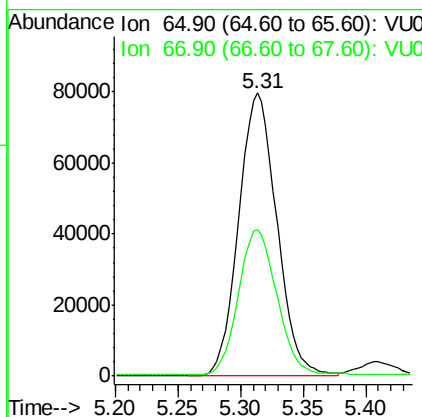
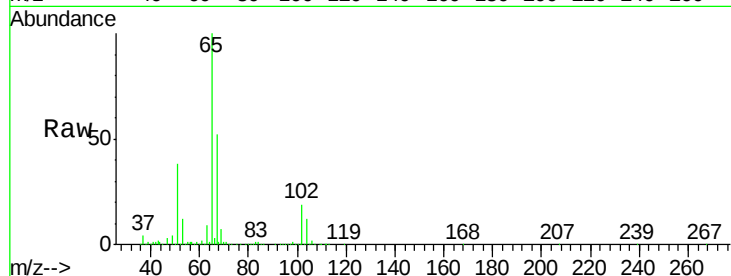
#33
 1,2-Dichloroethane-d4
 Concen: 49.413 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	107.0

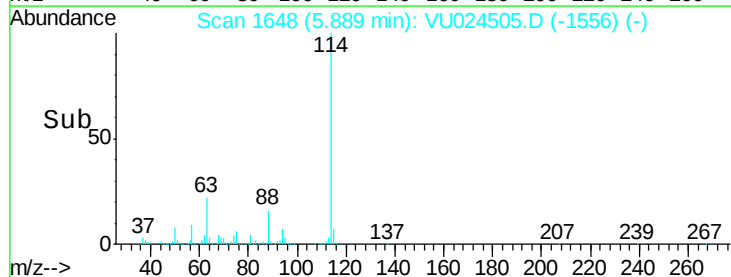
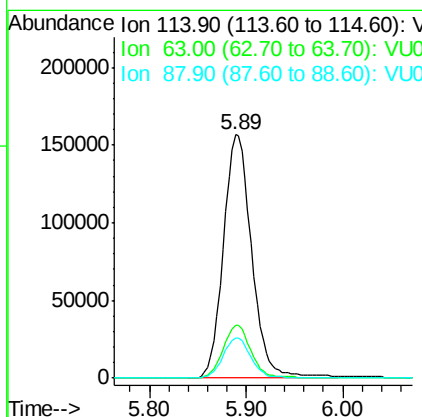
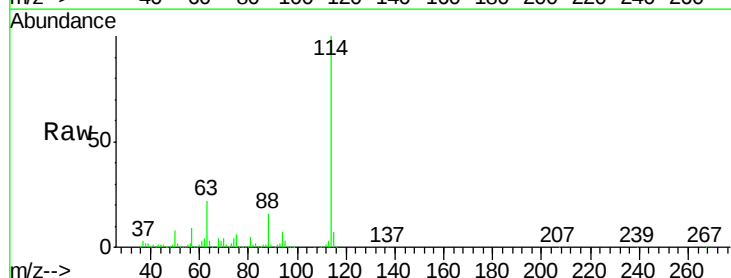
Manual Integrations
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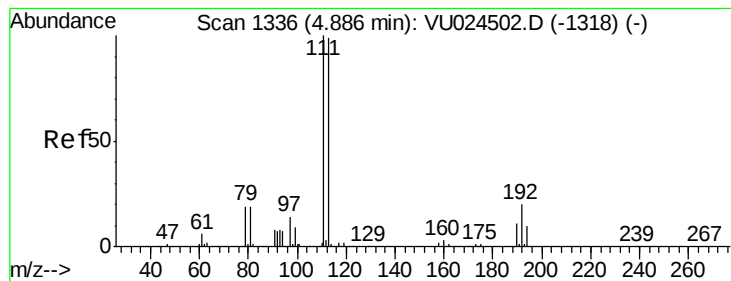
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	45.4
88	16.3	0.0	31.0





#35

Dibromofluoromethane

Concen: 51.913 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

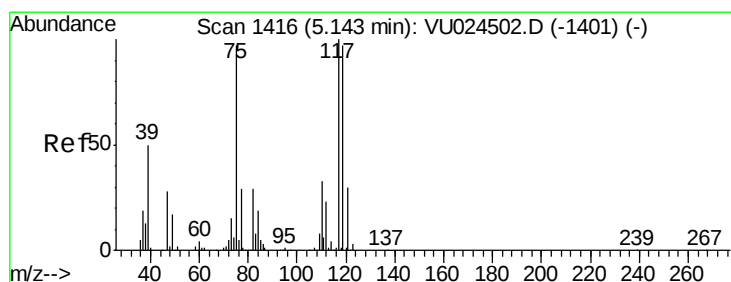
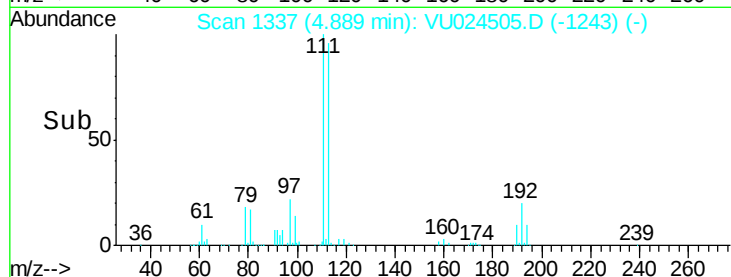
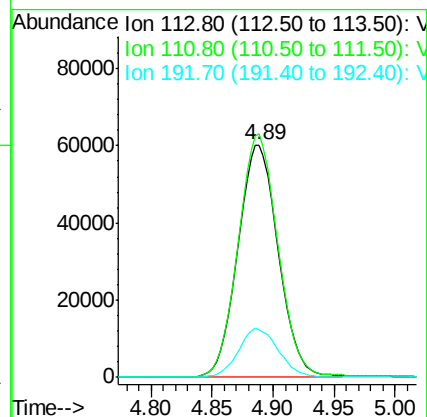
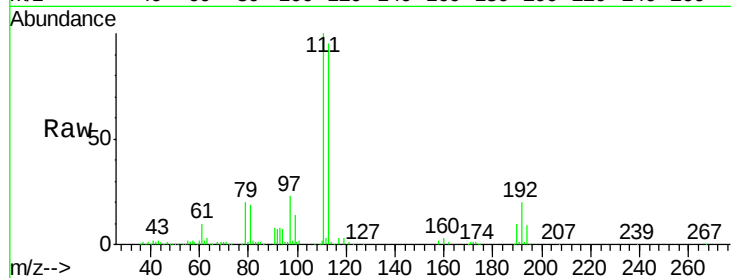
ClientSampleId :

ICVVU061318

Tgt Ion:	113	Resp:	137903
Ion Ratio	Lower	Upper	
113	100		
111	102.4	82.2	123.4
192	20.9	16.2	24.4

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#36

1,1-Dichloropropene

Concen: 50.370 ug/l

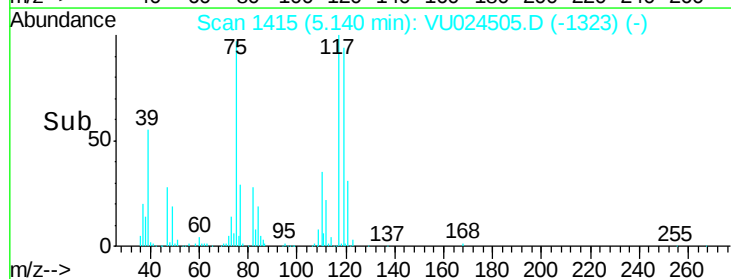
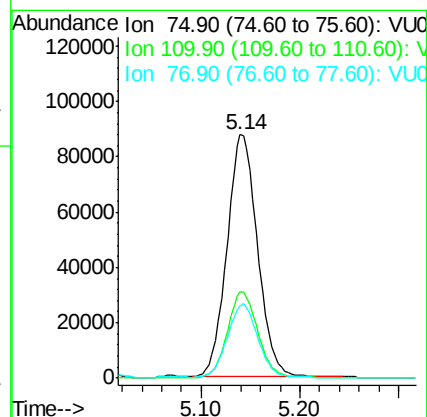
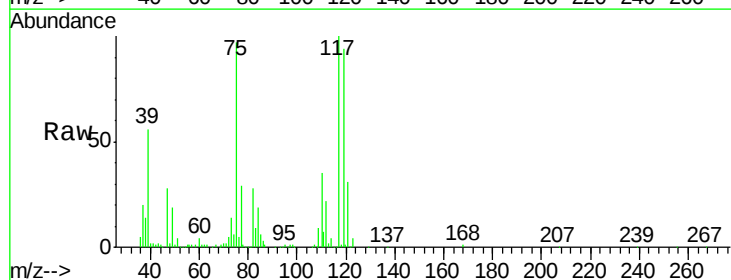
RT: 5.14 min Scan# 1415

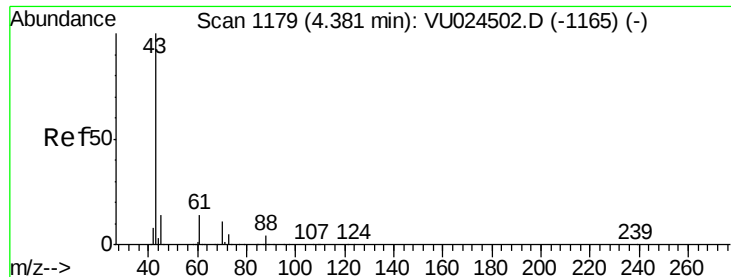
Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Tgt Ion:	75	Resp:	189454
Ion Ratio	Lower	Upper	
75	100		
110	35.2	17.0	50.9
77	30.0	24.2	36.4





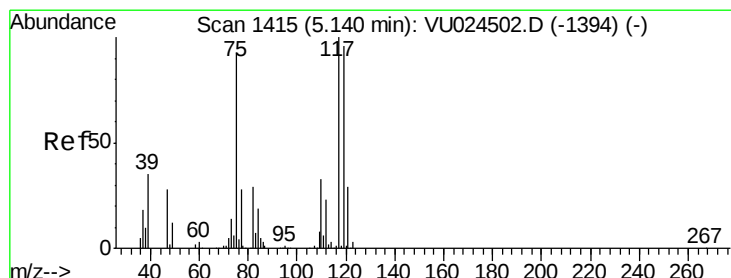
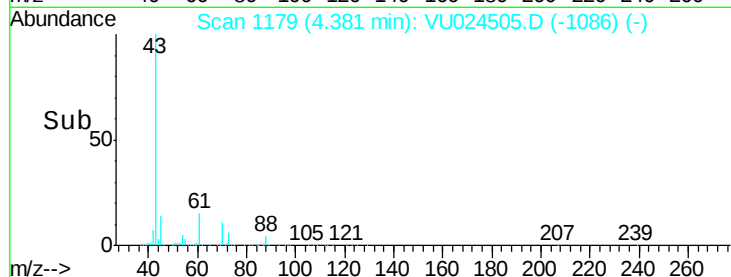
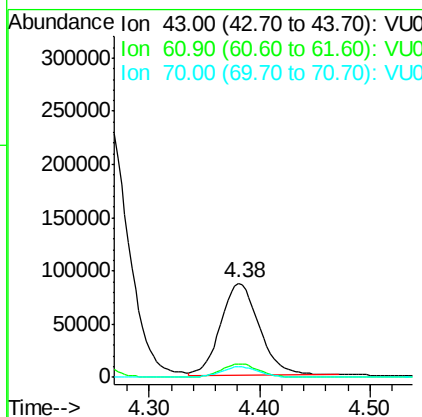
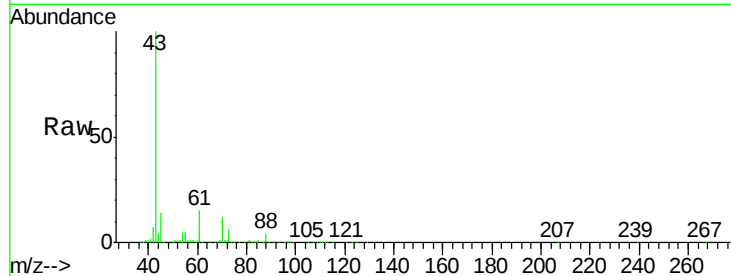
#37
Ethyl Acetate
Concen: 51.151 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.5	15.7
70	10.8	7.4	11.2

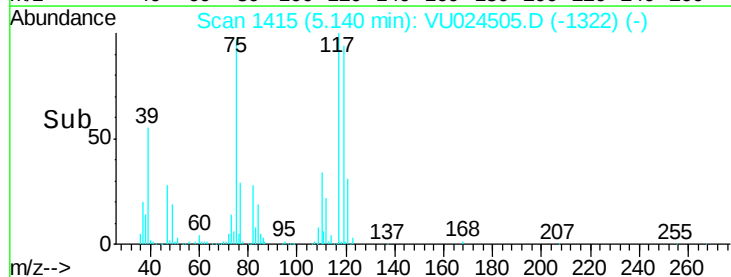
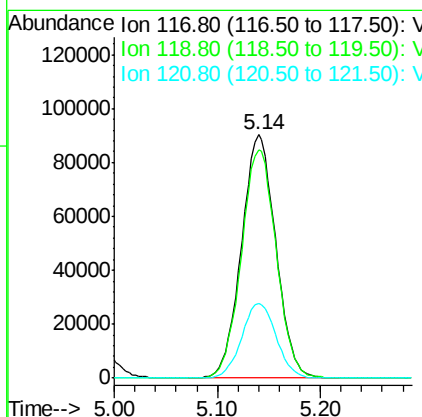
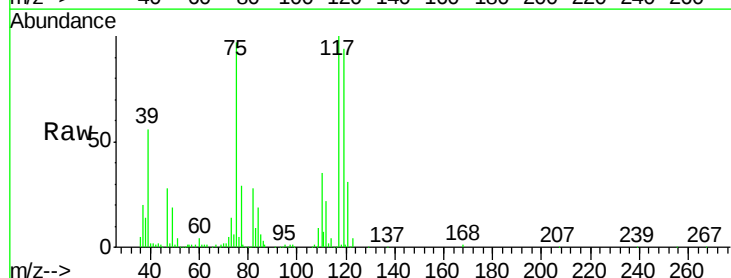
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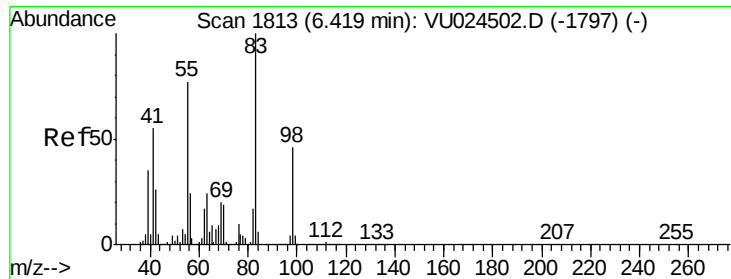
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#38
Carbon Tetrachloride
Concen: 50.212 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	76.1	114.1
121	30.8	23.7	35.5





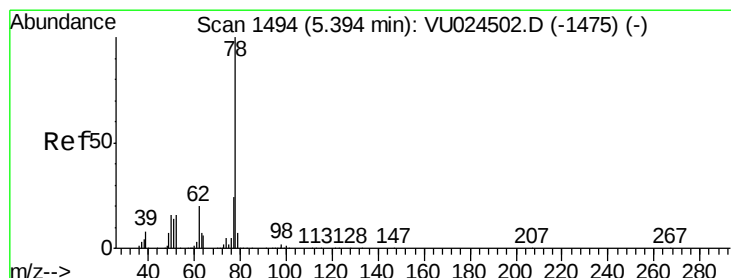
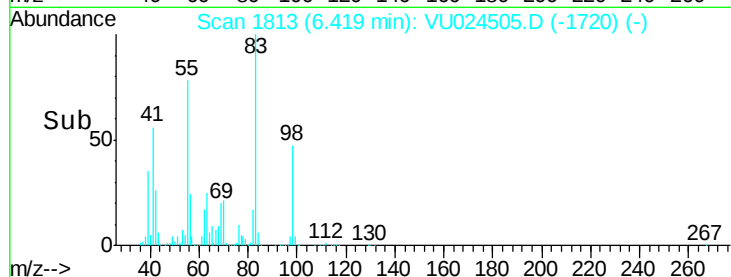
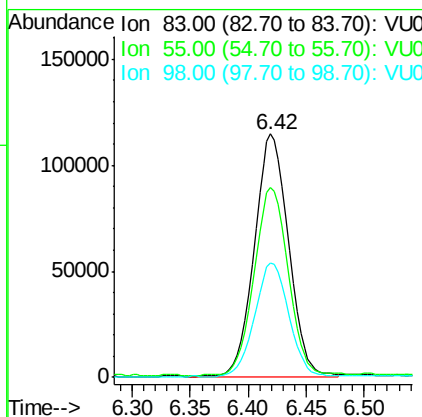
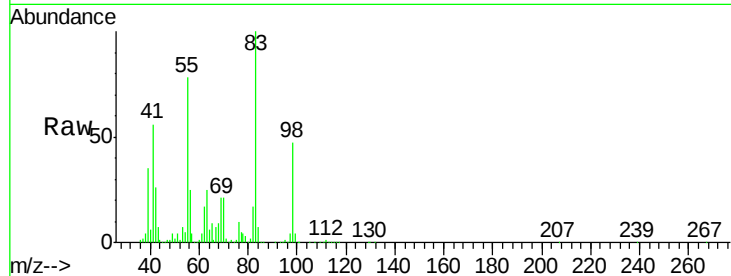
#39
Methylcyclohexane
Concen: 49.813 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	233808		
55	77.5	65.8	98.6	
98	47.0	36.7	55.1	

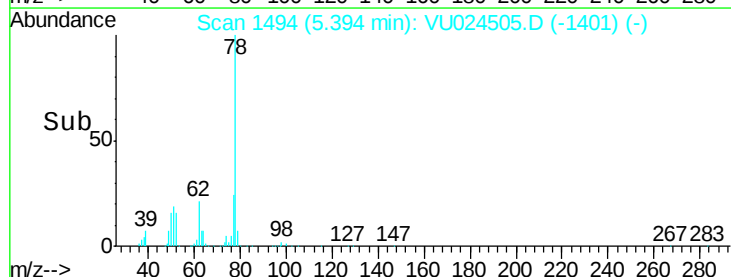
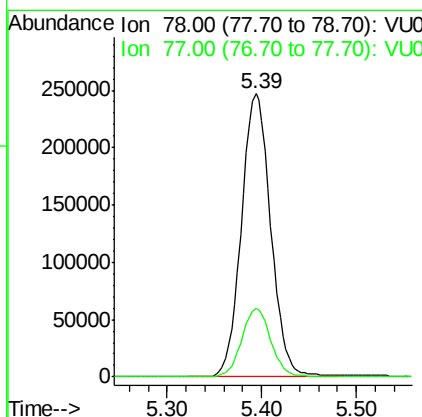
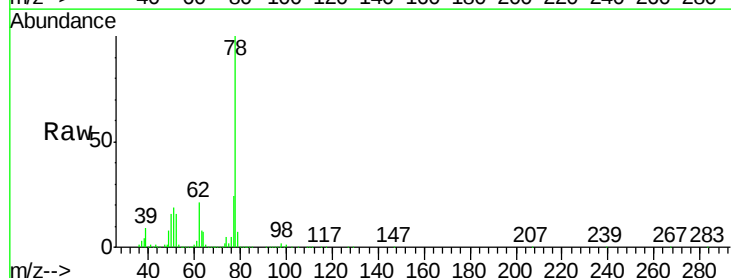
Manual Integrations
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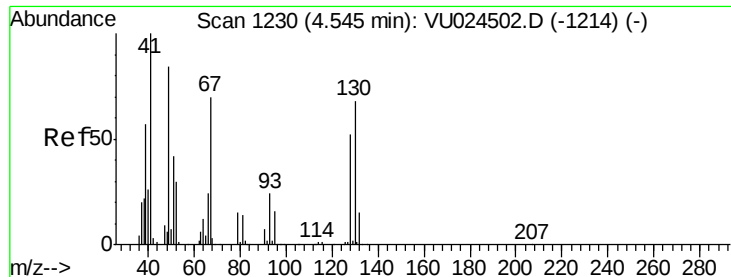
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#40
Benzene
Concen: 49.685 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	532500		
77	24.2	19.2	28.8	





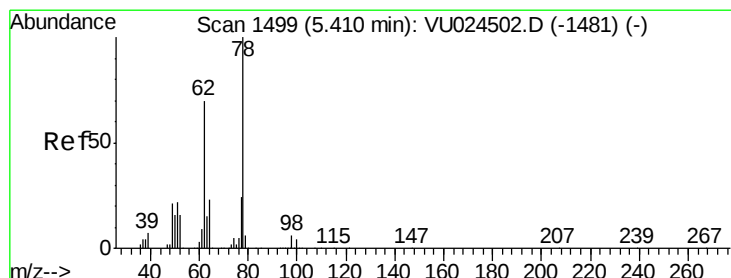
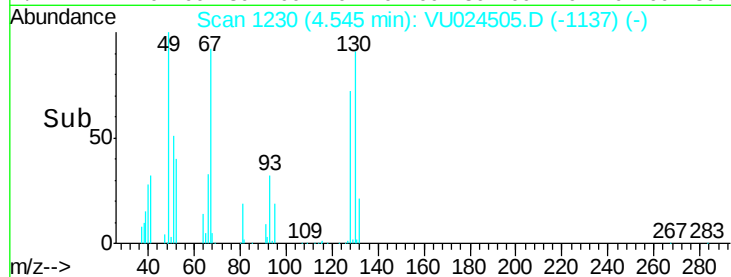
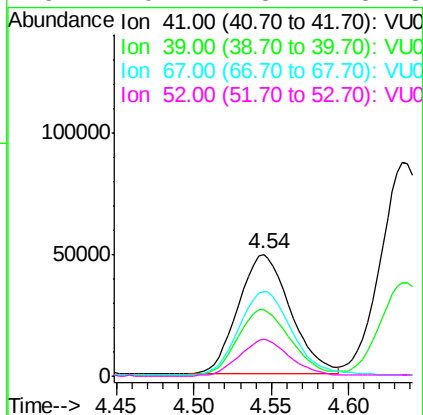
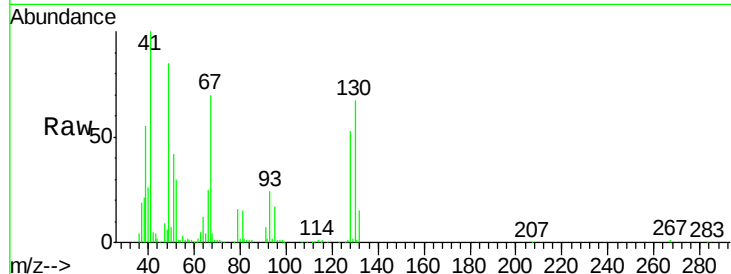
#41
Methacrylonitrile
Concen: 52.033 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.4	43.8	65.6	
67	71.8	56.3	84.5	
52	29.7	23.2	34.8	

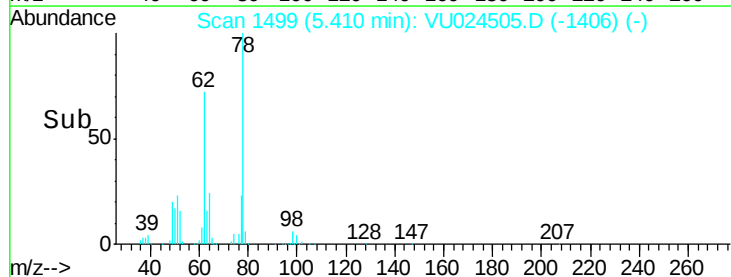
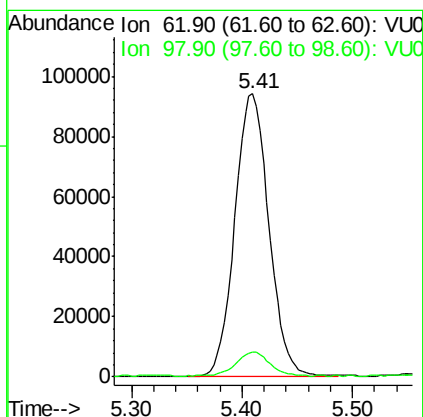
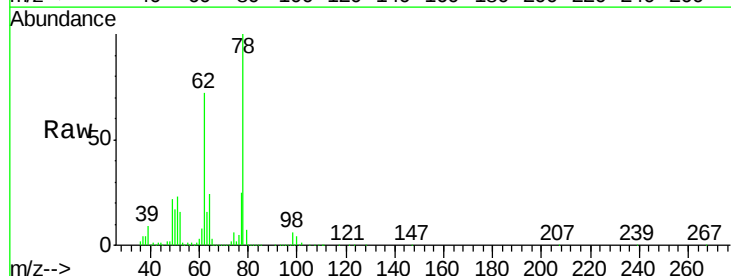
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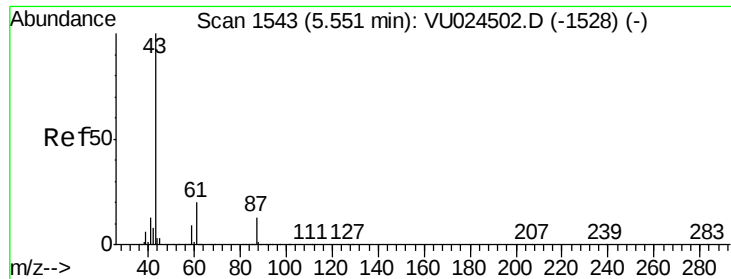
MMDadoda
6/14/2018 9:44:48 AM



#42
1,2-Dichloroethane
Concen: 49.500 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	16.6	





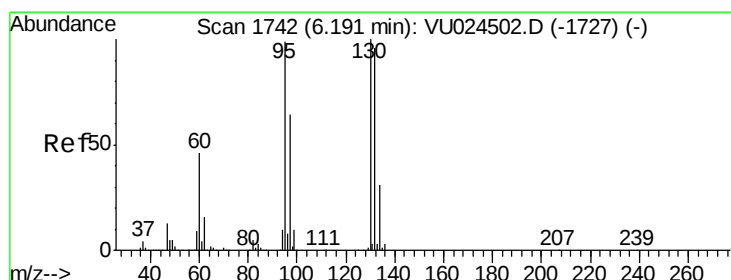
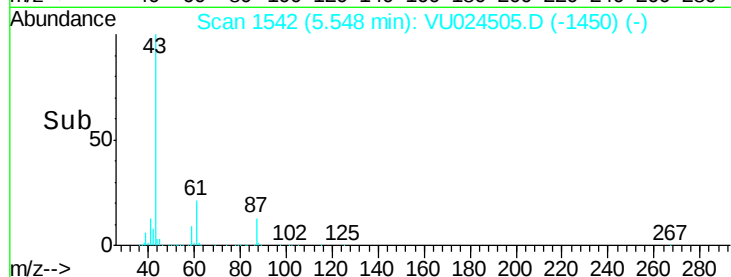
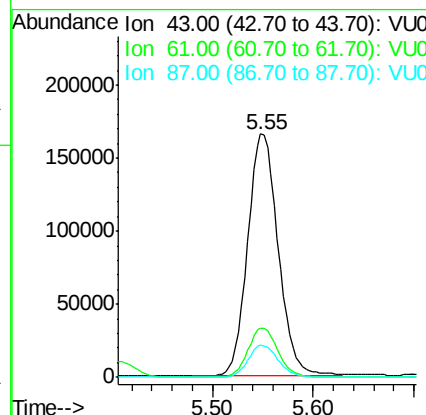
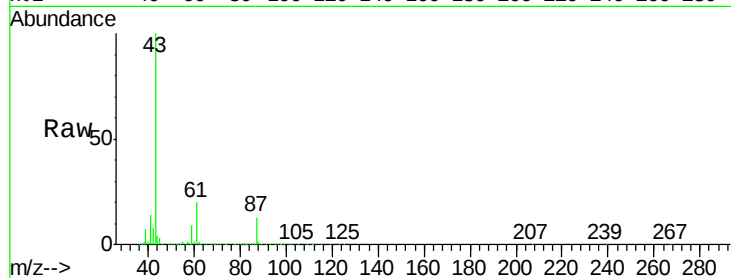
#43
Isopropyl Acetate
Concen: 48.478 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Lower	Upper
43	100		
61	20.3	15.4	23.0
87	13.4	10.0	15.0

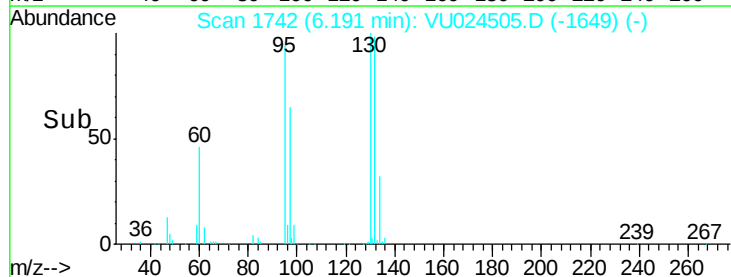
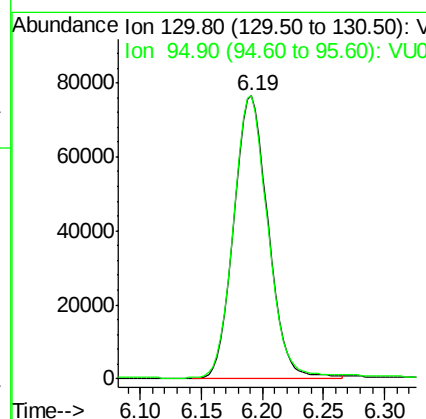
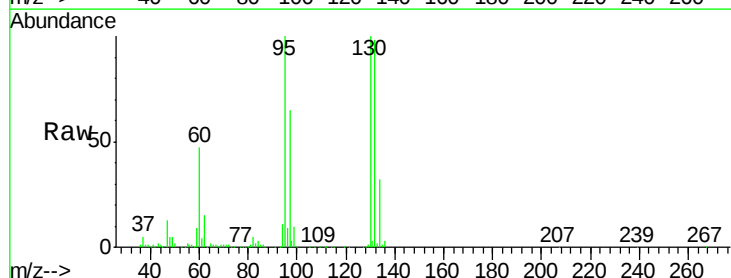
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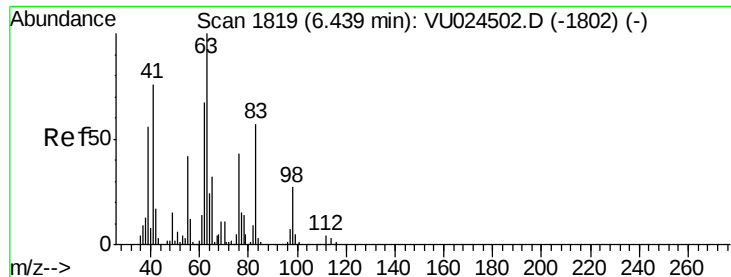
MMDadoda
6/14/2018 9:44:48 AM



#44
Trichloroethene
Concen: 49.364 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	202.4





#45

1,2-Dichloropropane

Concen: 50.494 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

ICVVU061318

Tgt Ion: 63 Resp: 144397

Ion Ratio Lower Upper

63 100

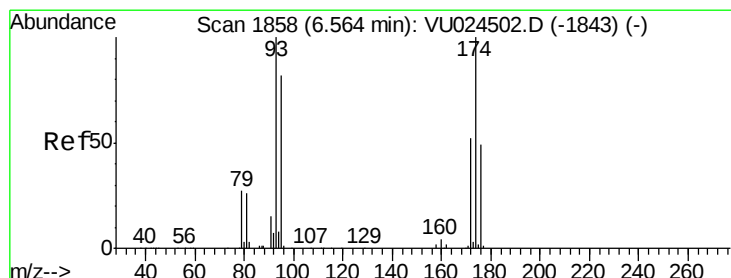
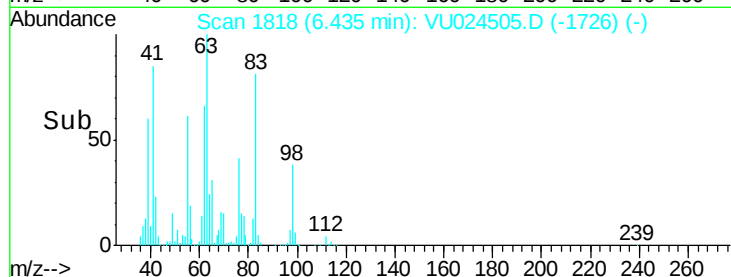
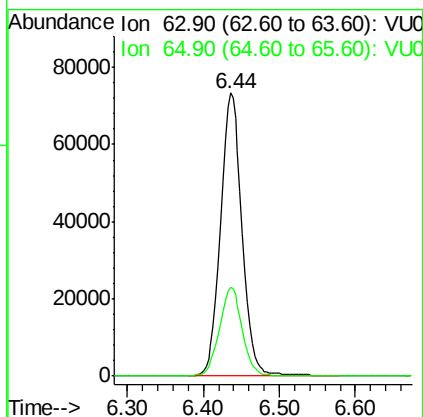
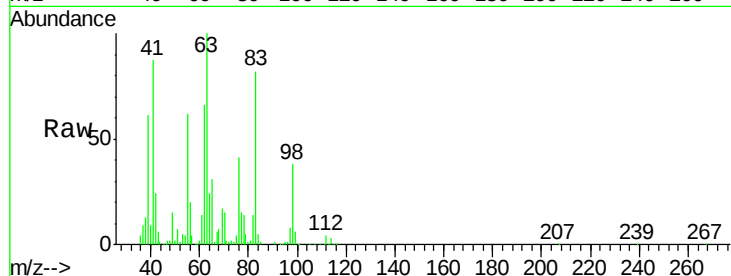
65 31.4 24.8 37.2

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#46

Dibromomethane

Concen: 51.016 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

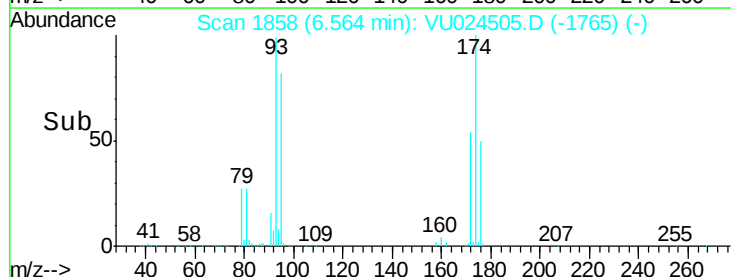
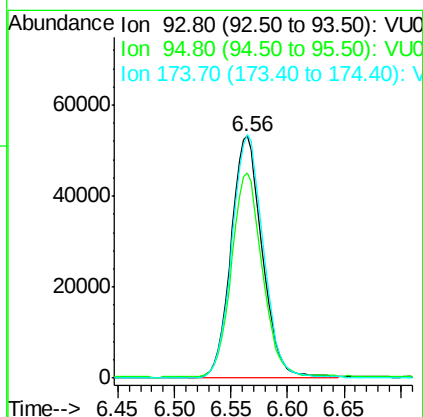
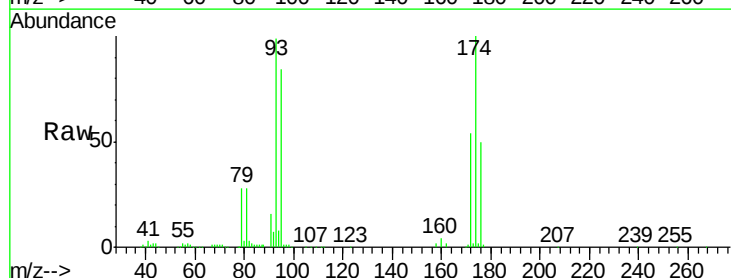
Tgt Ion: 93 Resp: 102474

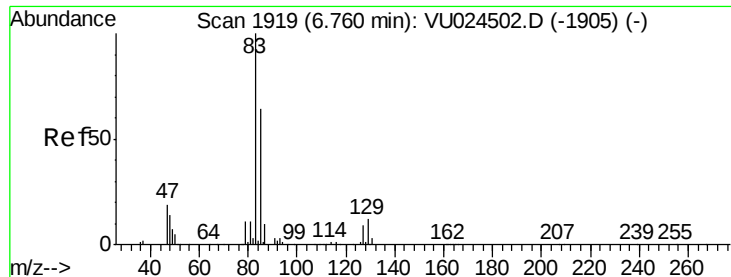
Ion Ratio Lower Upper

93 100

95 82.6 65.5 98.3

174 101.2 78.7 118.1





#47

Bromodichloromethane

Concen: 50.035 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

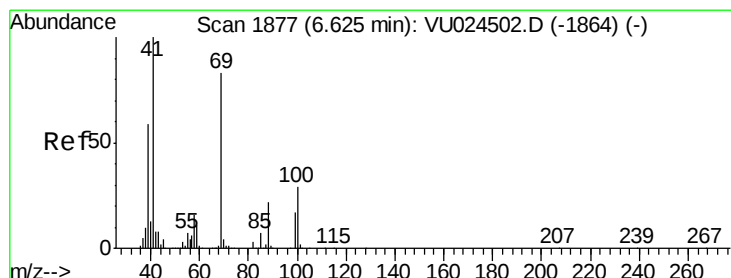
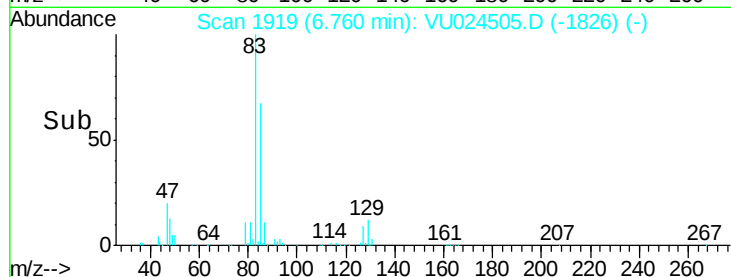
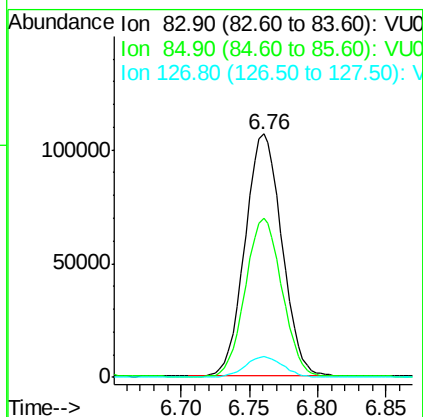
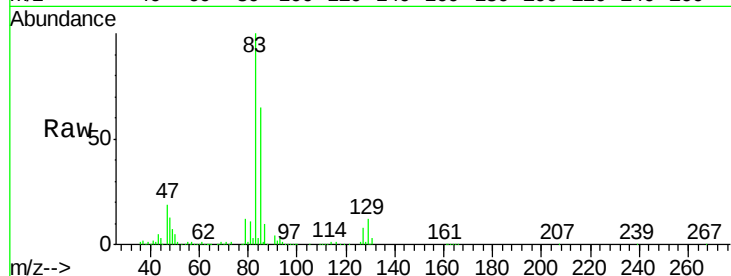
ClientSampleId :

ICVVU061318

Tgt Ion:	83	Resp:	200130
Ion	Ratio	Lower	Upper
83	100		
85	65.2	51.9	77.9
127	8.5	6.6	9.8

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#48

Methyl methacrylate

Concen: 49.636 ug/l

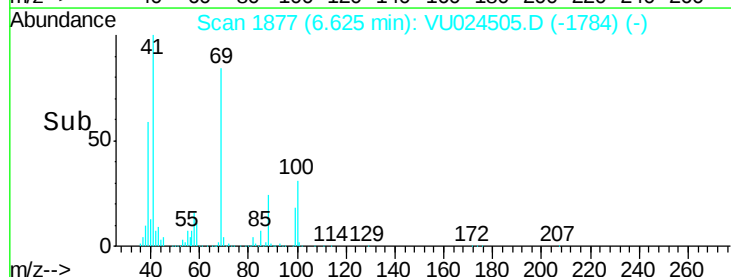
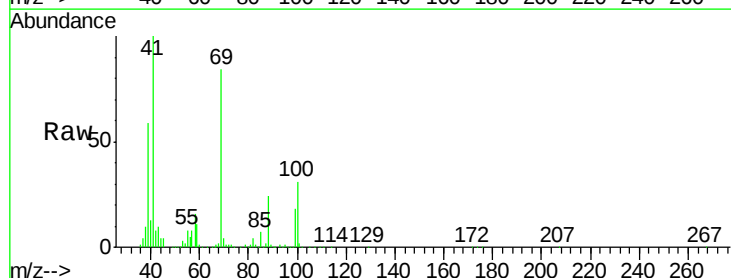
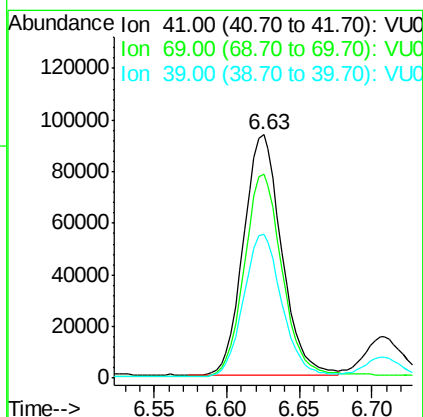
RT: 6.63 min Scan# 1877

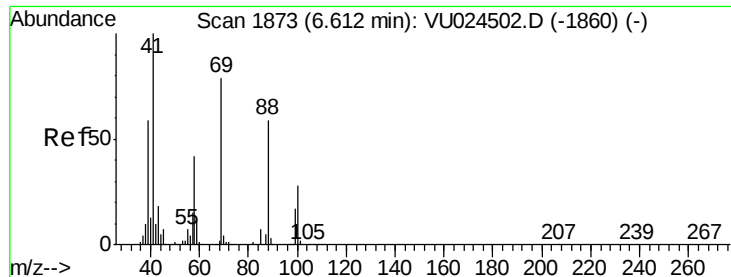
Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Tgt Ion:	41	Resp:	171269
Ion	Ratio	Lower	Upper
41	100		
69	84.0	67.3	100.9
39	59.4	46.5	69.7





#49

1,4-Dioxane

Concen: 975.265 ug/l

RT: 6.61 min Scan# 1873

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

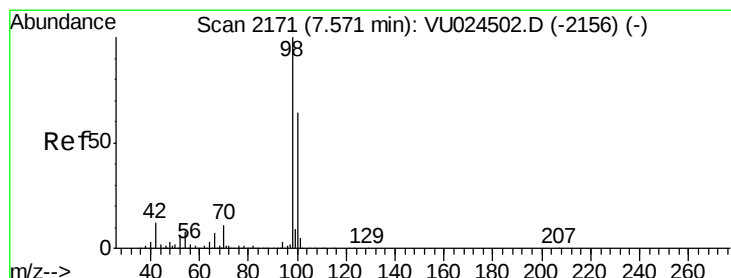
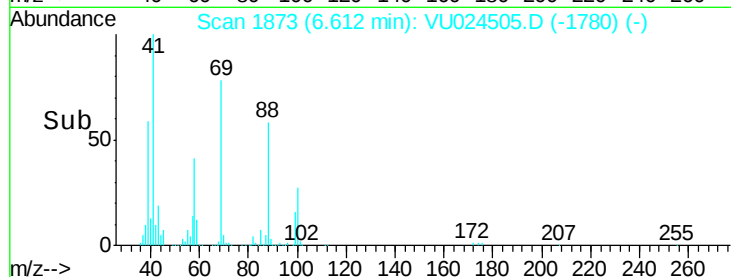
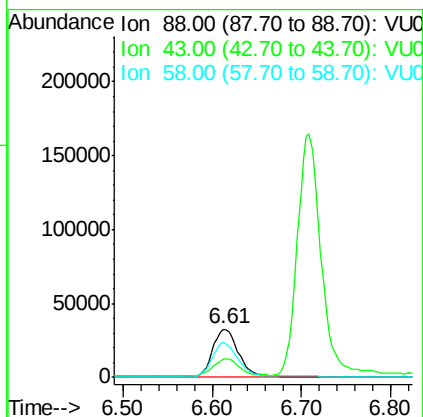
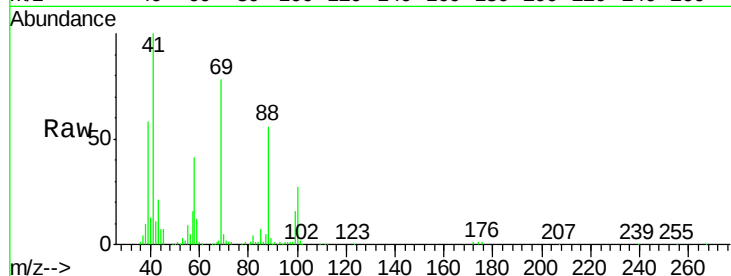
ClientSampleId :

ICVVU061318

Tgt Ion:	88	Resp:	65810
Ion	Ratio	Lower	Upper
88	100		
43	35.5	28.6	42.8
58	69.4	58.2	87.4

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#50

Toluene-d8

Concen: 52.092 ug/l

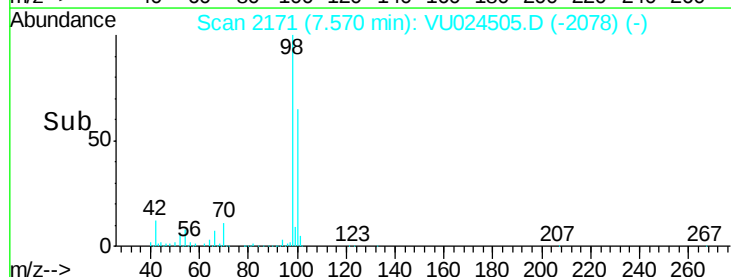
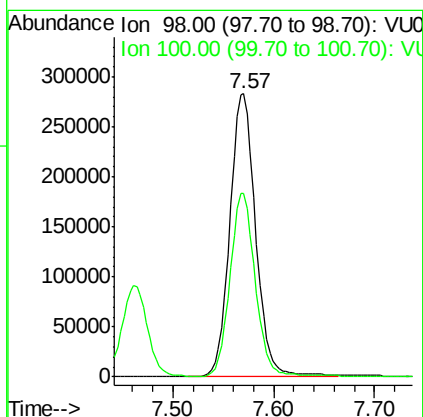
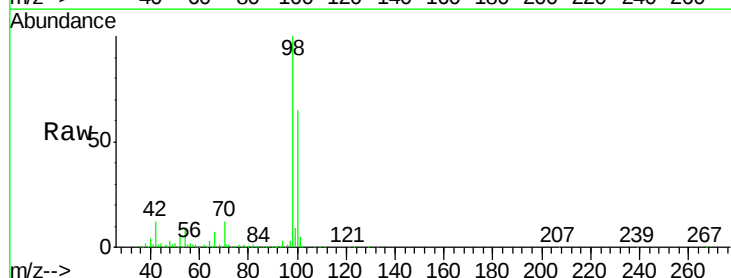
RT: 7.57 min Scan# 2171

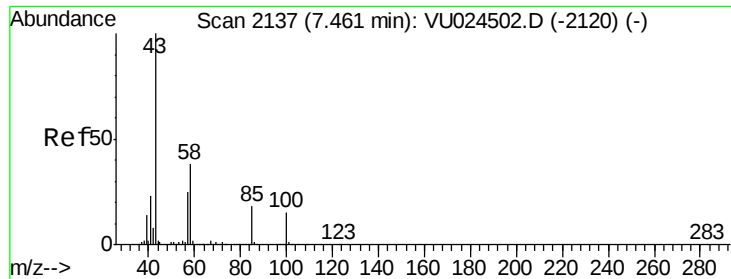
Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Tgt Ion:	98	Resp:	504755
Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 245.208 ug/l

RT: 7.46 min Scan# 2137

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

ICVVU061318

Tgt Ion: 43 Resp: 1091631

Ion Ratio Lower Upper

43 100

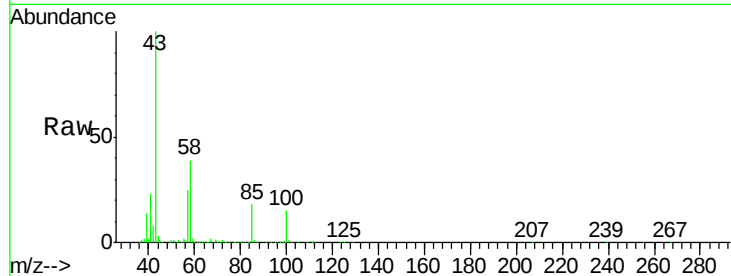
58 38.7 30.0 45.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

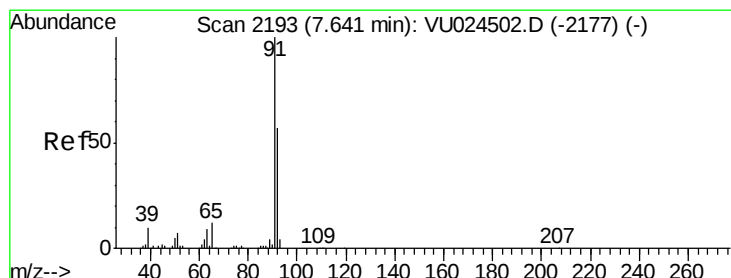
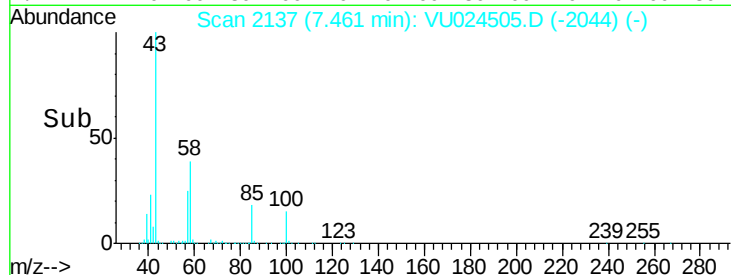
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 49.648 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024505.D

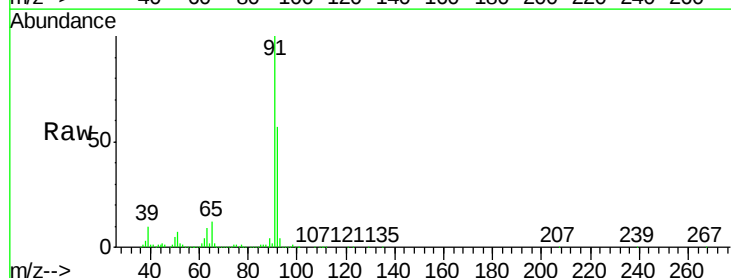
Acq: 13 Jun 2018 13:54

Tgt Ion: 92 Resp: 342331

Ion Ratio Lower Upper

92 100

91 174.8 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0

400000

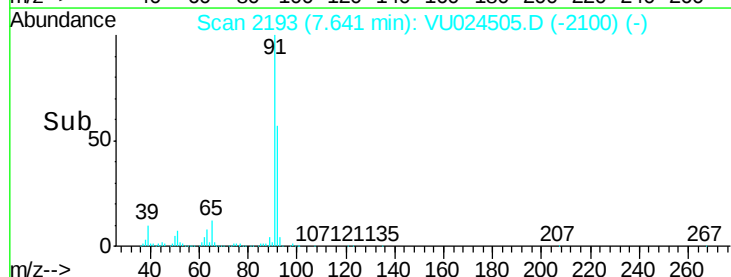
300000

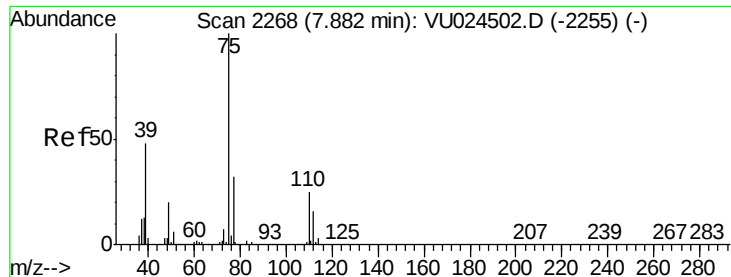
200000

100000

0

Time-->





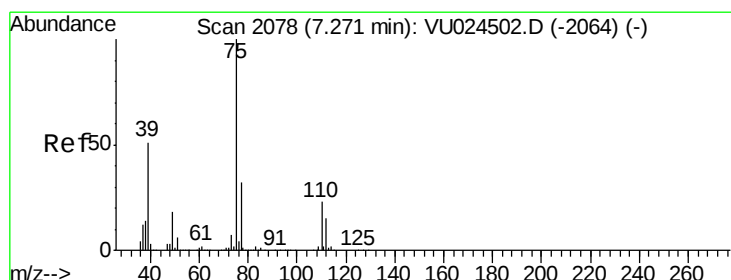
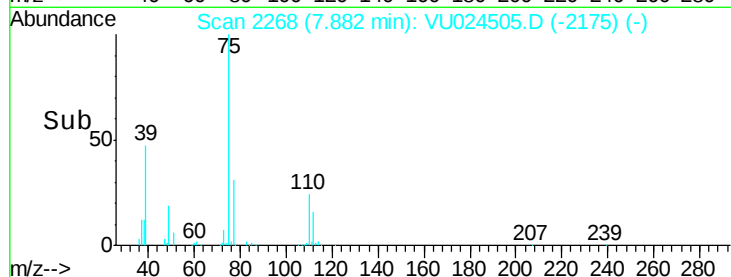
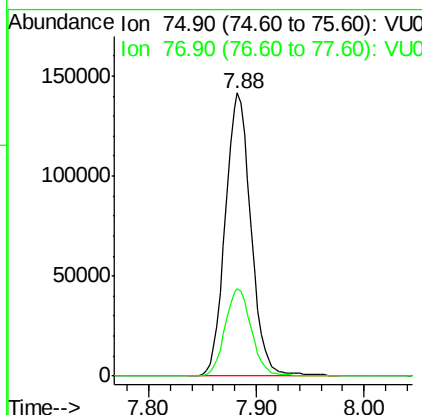
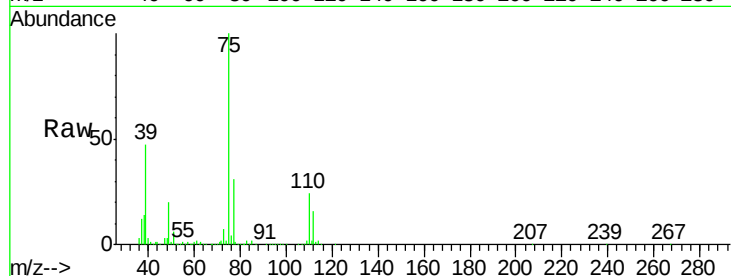
#53
t-1,3-Dichloropropene
Concen: 52.360 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion: 75 Resp: 235190
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2

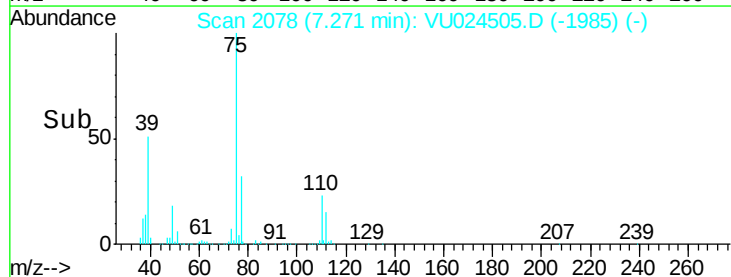
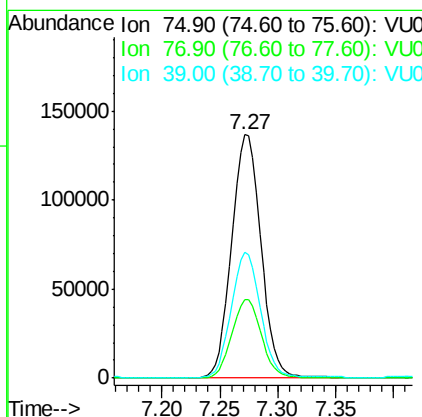
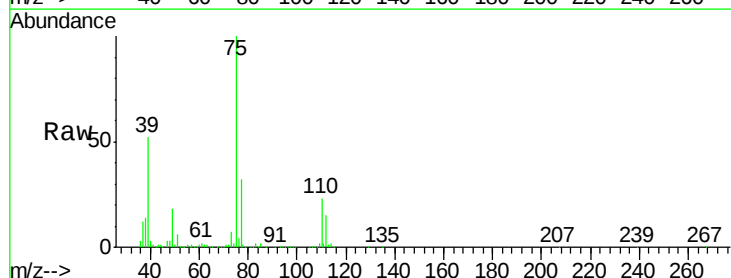
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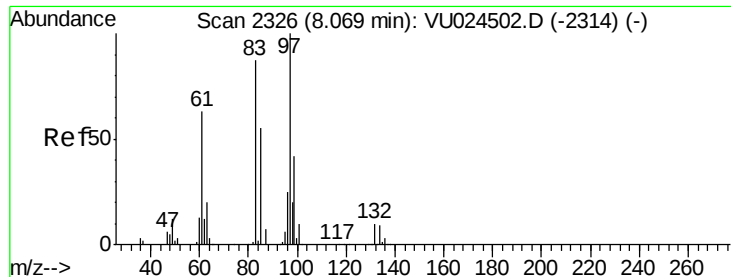
MMDadoda
6/14/2018 9:44:48 AM



#54
cis-1,3-Dichloropropene
Concen: 50.126 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion: 75 Resp: 239919
Ion Ratio Lower Upper
75 100
77 31.9 24.6 36.8
39 51.4 39.8 59.6





#55

1,1,2-Trichloroethane

Concen: 47.676 ug/l

RT: 8.07 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

ICVVU061318

Tgt Ion: 97 Resp: 133628

Ion Ratio Lower Upper

97 100

83 87.9 70.5 105.7

85 56.0 46.4 69.6

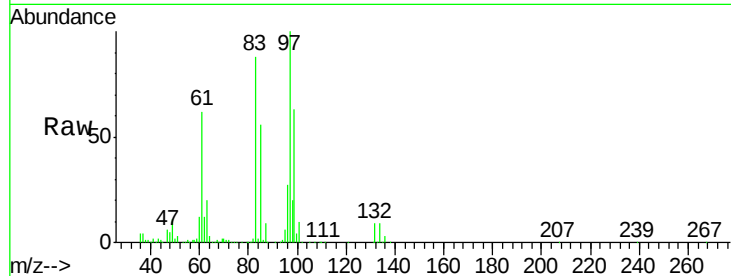
99 63.1 50.2 75.2

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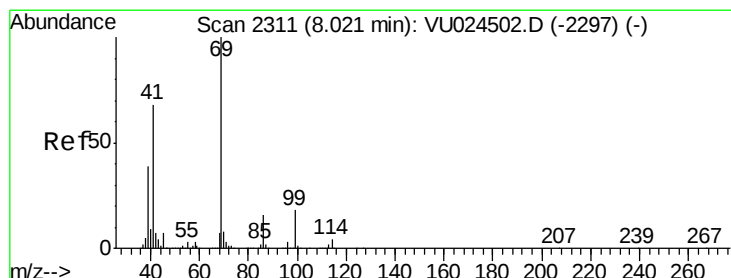
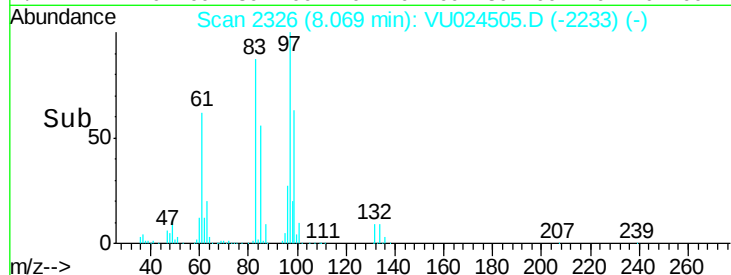
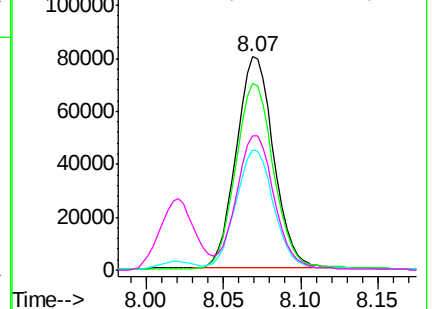
Abundance

Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0



#56

Ethyl methacrylate

Concen: 49.467 ug/l

RT: 8.02 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

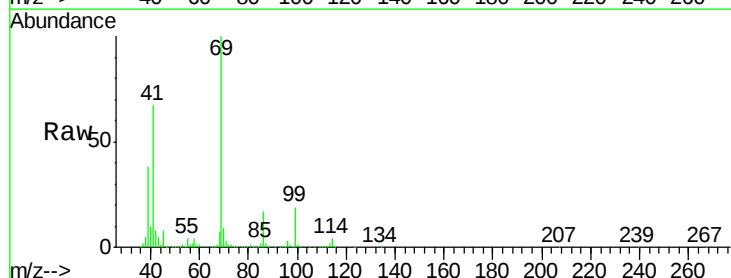
Tgt Ion: 69 Resp: 232061

Ion Ratio Lower Upper

69 100

41 66.5 54.1 81.1

39 37.6 30.3 45.5

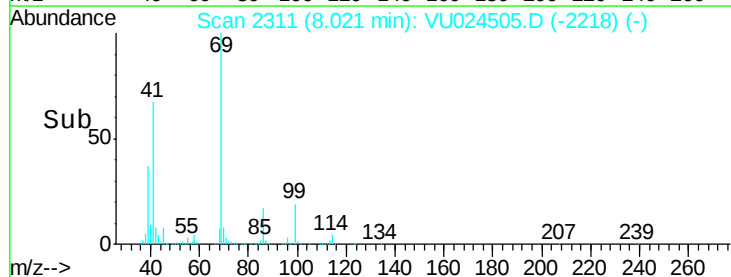
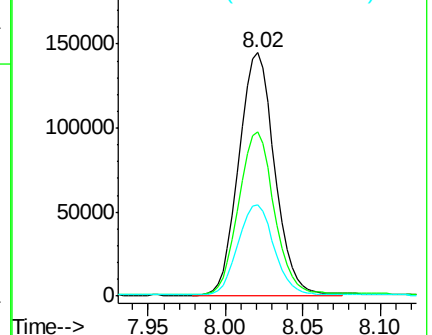


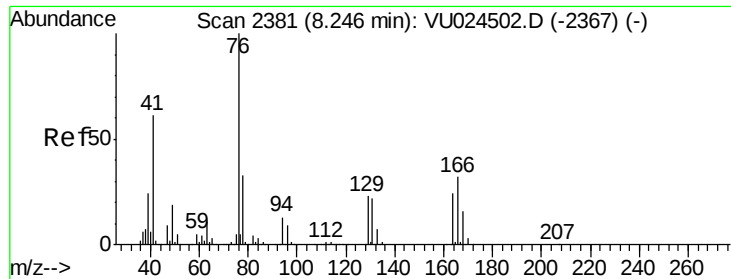
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0





#57

1,3-Dichloropropane

Concen: 49.777 ug/l

RT: 8.25 min Scan# 2381

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Tgt Ion: 76 Resp: 235354

Ion Ratio Lower Upper

76 100

78 32.1 25.2 37.8

Instrument :

MSVOA_U

ClientSampleId :

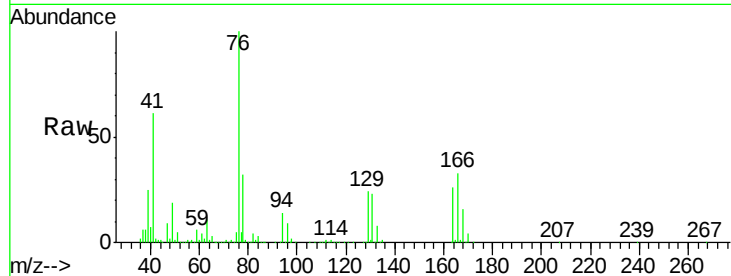
ICVVU061318

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

8.25

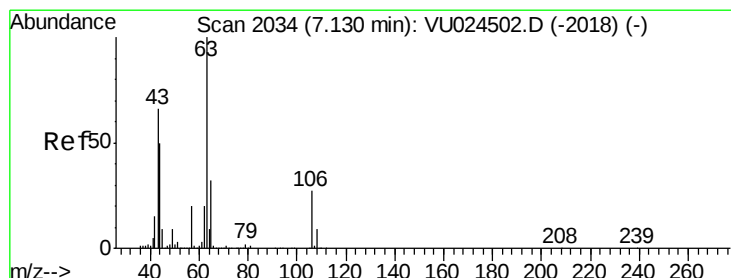
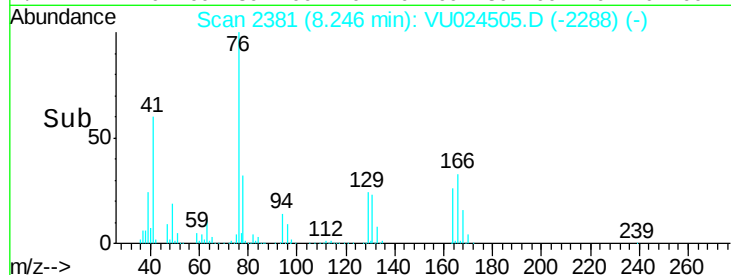
150000

100000

50000

0

Time--> 8.15 8.20 8.25 8.30 8.35



#58

2-Chloroethyl Vinyl ether

Concen: 265.200 ug/l

RT: 7.13 min Scan# 2034

Delta R.T. -0.00 min

Lab File: VU024505.D

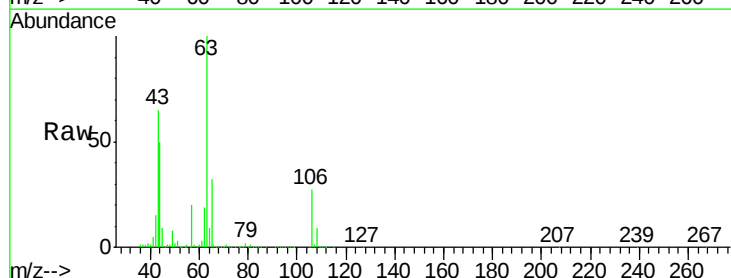
Acq: 13 Jun 2018 13:54

Tgt Ion: 63 Resp: 476624

Ion Ratio Lower Upper

63 100

106 26.7 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V

7.13

300000

250000

200000

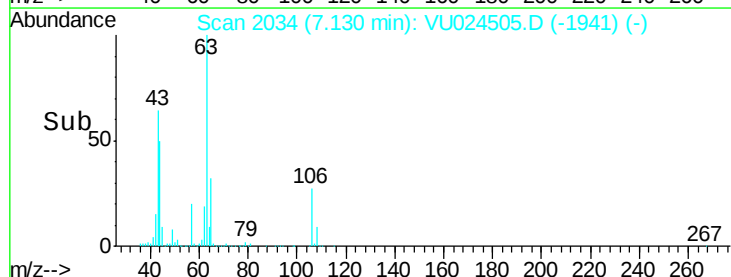
150000

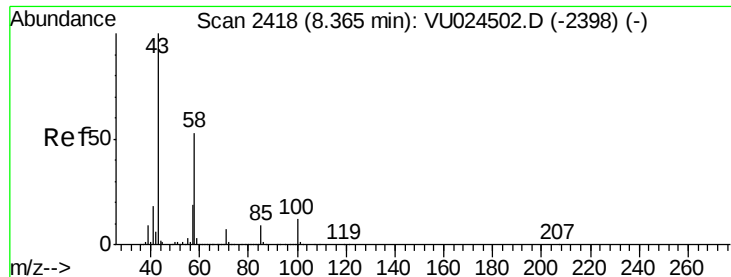
100000

50000

0

Time--> 7.00 7.10 7.20 7.30





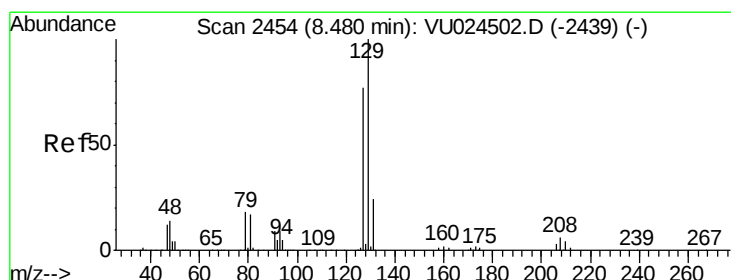
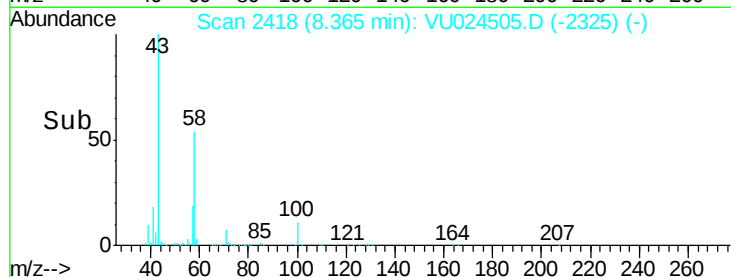
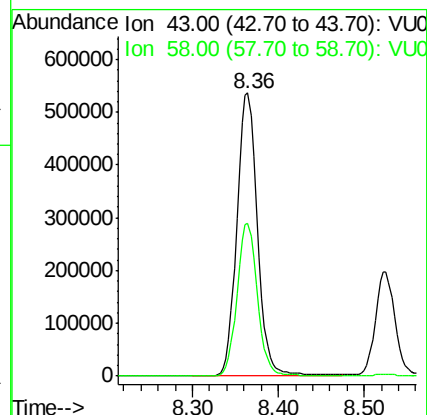
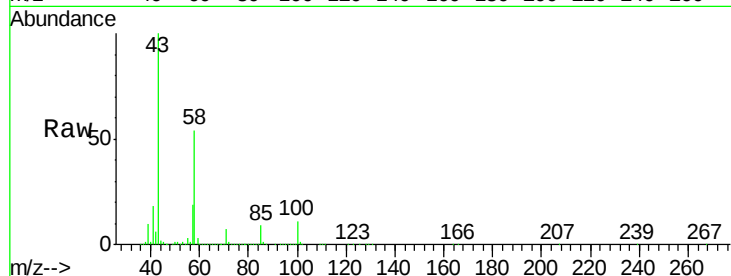
#59
2-Hexanone
Concen: 243.947 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion: 43 Resp: 886630
Ion Ratio Lower Upper
43 100
58 53.5 26.4 79.0

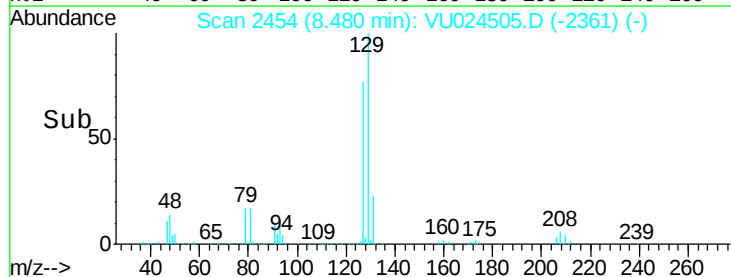
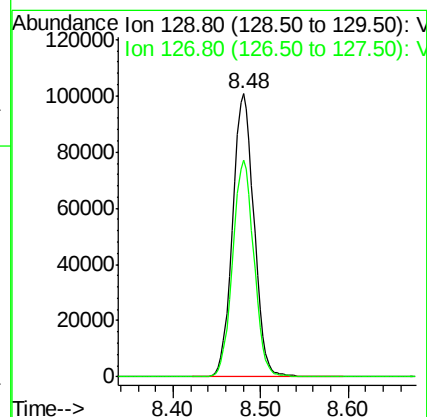
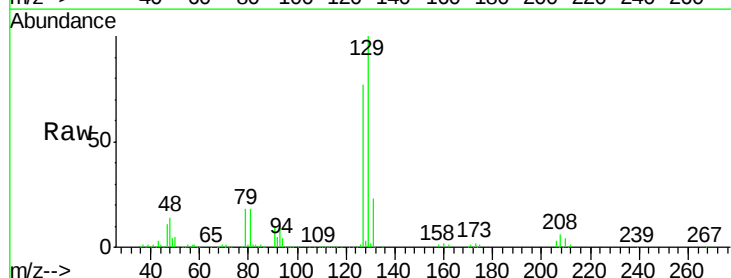
Manual Integrations
APPROVED

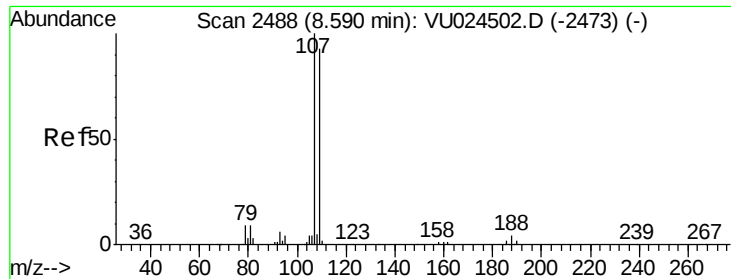
MMDadoda
6/14/2018 9:44:48 AM



#60
Dibromochloromethane
Concen: 49.141 ug/l
RT: 8.48 min Scan# 2454
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion: 129 Resp: 171753
Ion Ratio Lower Upper
129 100
127 76.2 38.6 116.0





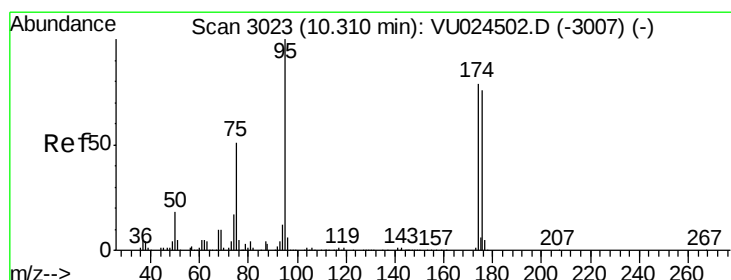
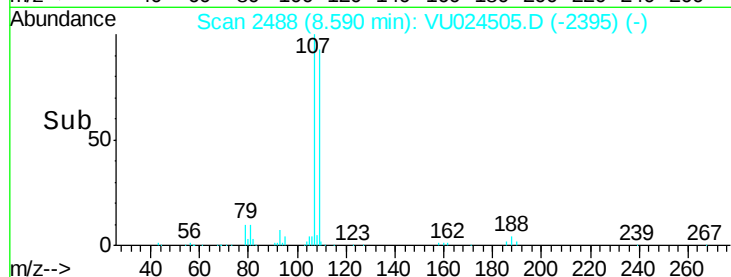
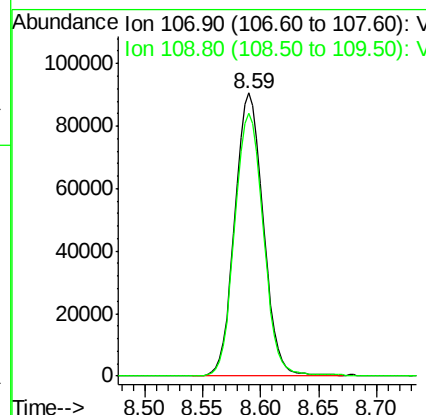
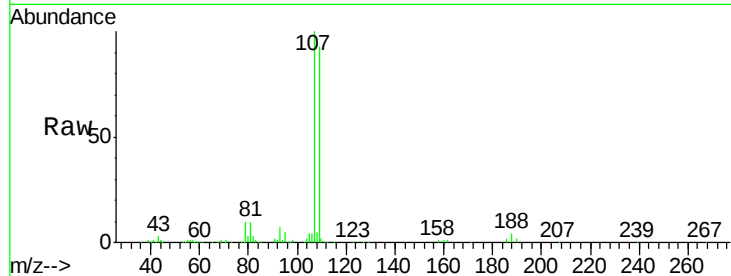
#61
 1,2-Dibromoethane
 Concen: 49.117 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.5	111.7

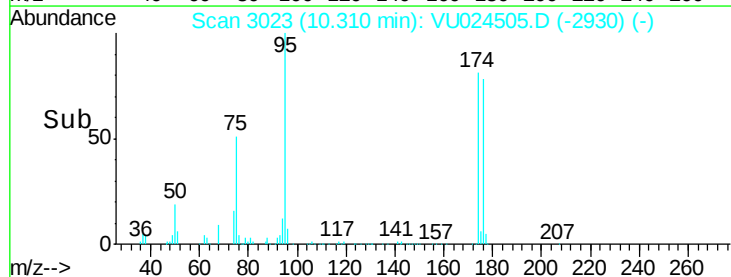
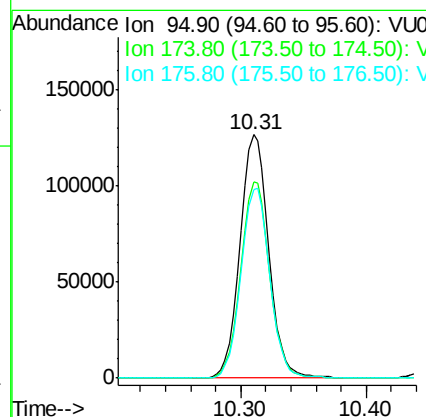
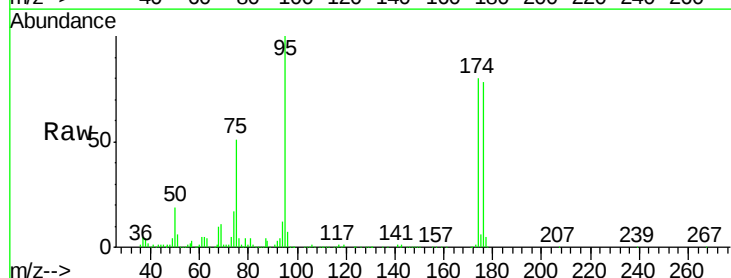
Manual Integrations
 APPROVED

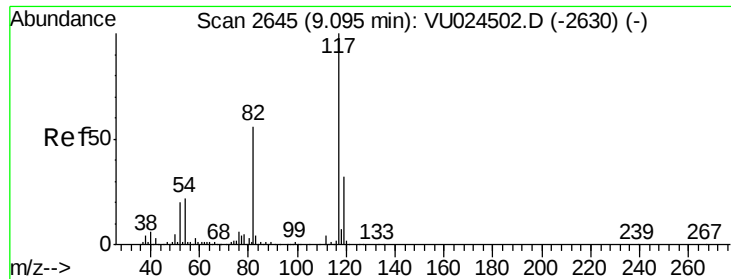
MMDadoda
 6/14/2018 9:44:48 AM



#62
 4-Bromofluorobenzene
 Concen: 51.817 ug/l
 RT: 10.31 min Scan# 3023
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	165.8
176	79.2	0.0	159.4





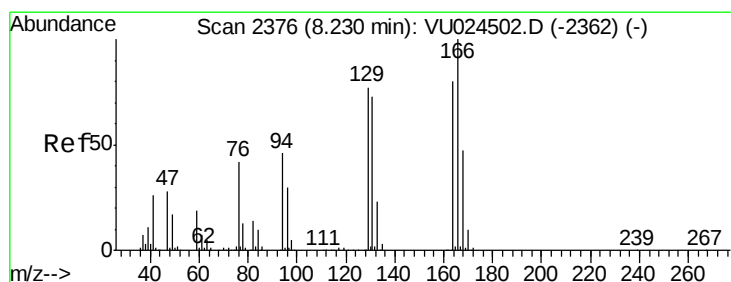
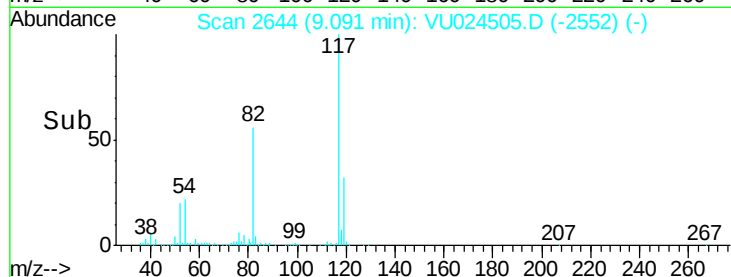
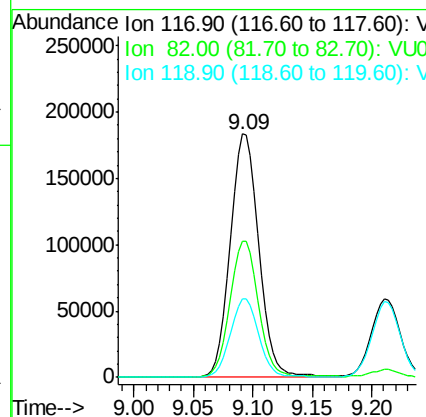
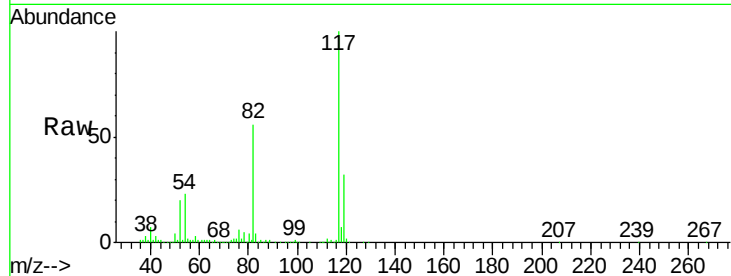
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	306834		
82	55.7	44.3	66.5	
119	32.0	25.4	38.2	

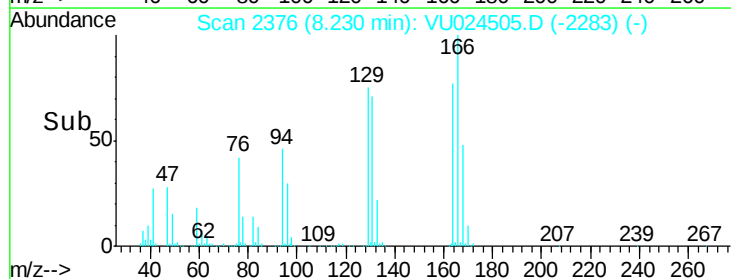
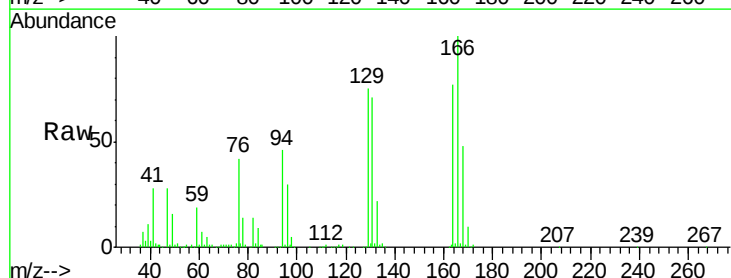
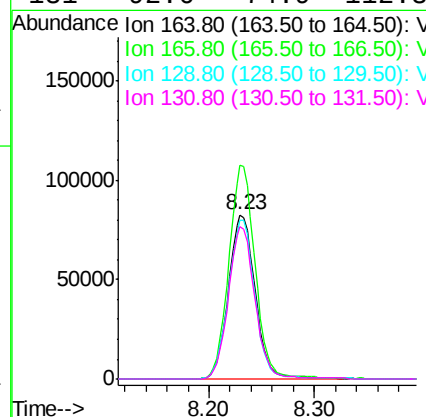
Manual Integrations
APPROVED

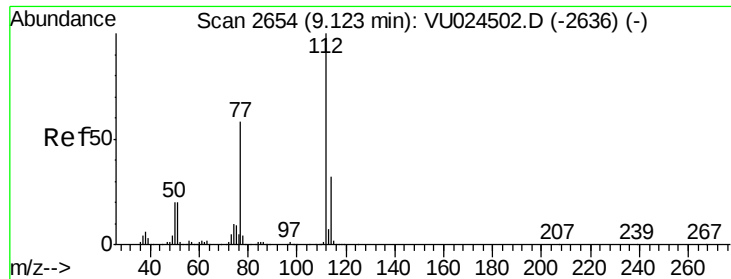
MMDadoda
6/14/2018 9:44:48 AM



#64
Tetrachloroethene
Concen: 49.749 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	145096		
166	130.0	101.7	152.5	
129	96.9	76.9	115.3	
131	92.6	74.9	112.3	





#65

Chlorobenzene

Concen: 49.880 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

ICVVU061318

Tgt Ion:112 Resp: 390986

Ion Ratio Lower Upper

112 100

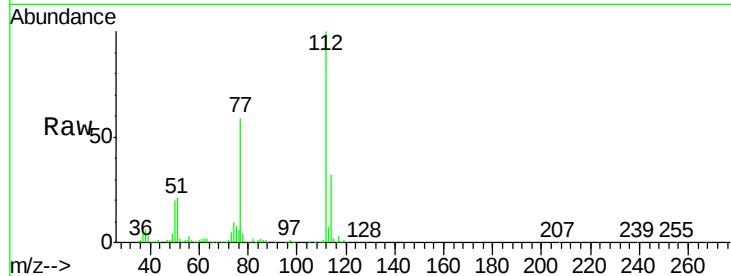
114 32.3 25.6 38.4

Manual Integrations

APPROVED

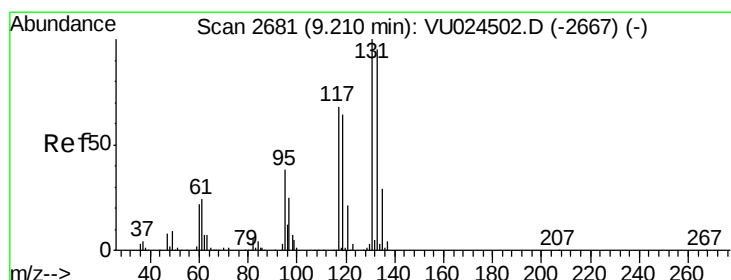
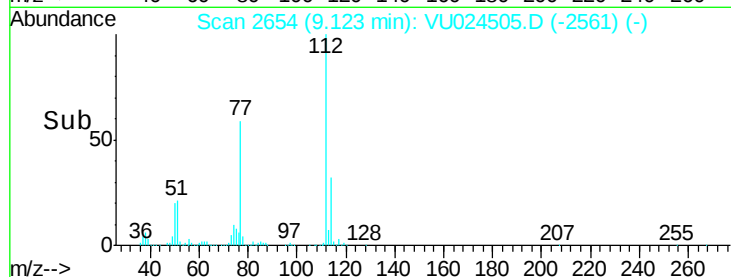
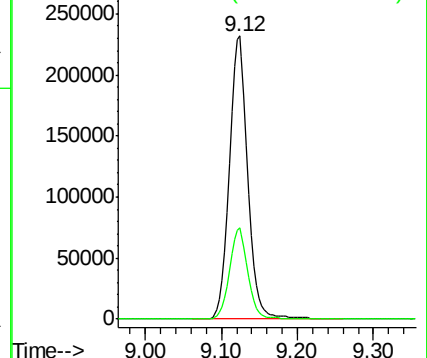
MMDadoda

6/14/2018 9:44:48 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 48.724 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

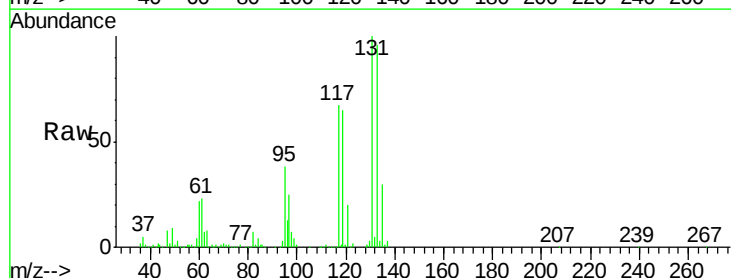
Tgt Ion:131 Resp: 145101

Ion Ratio Lower Upper

131 100

133 96.0 46.9 140.8

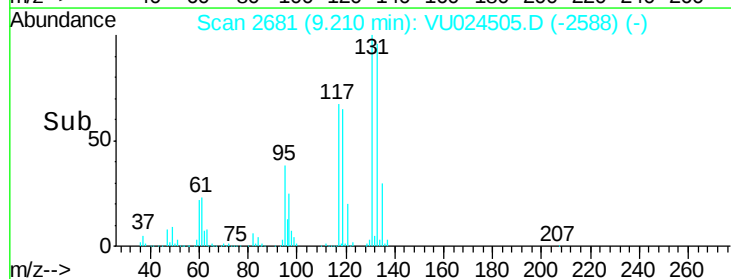
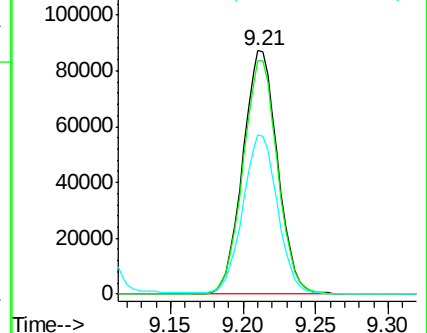
119 65.5 33.5 100.4

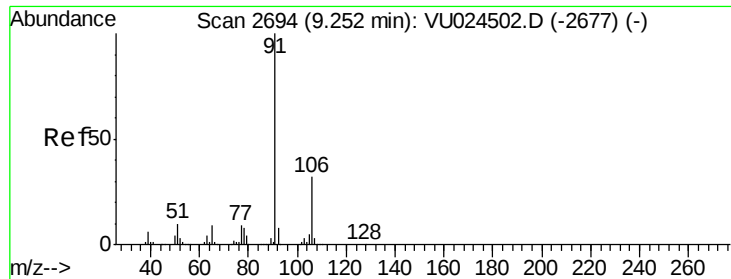


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





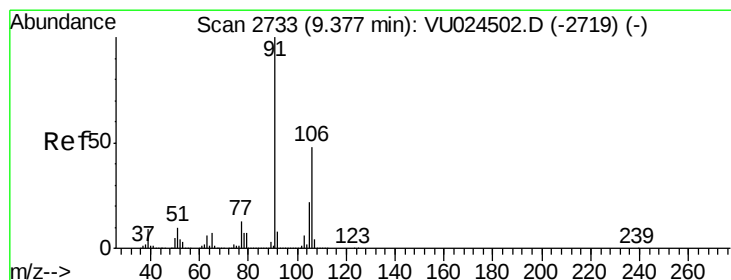
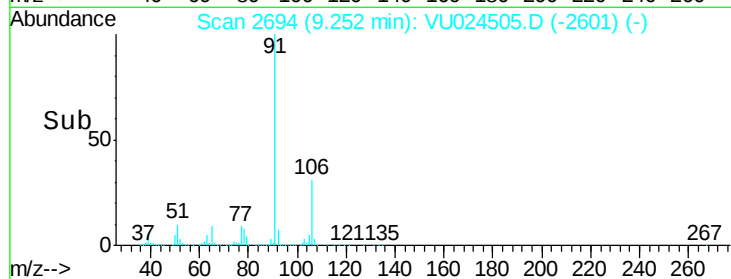
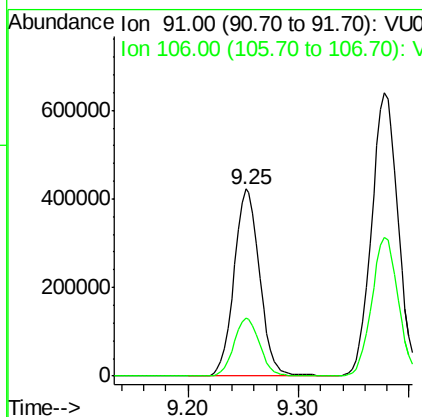
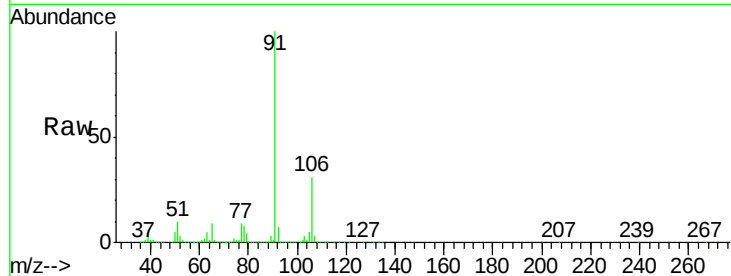
#67
Ethyl Benzene
Concen: 49.512 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion: 91 Resp: 680368
Ion Ratio Lower Upper
91 100
106 31.0 24.2 36.4

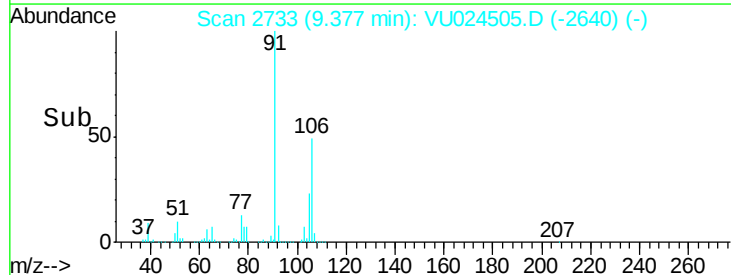
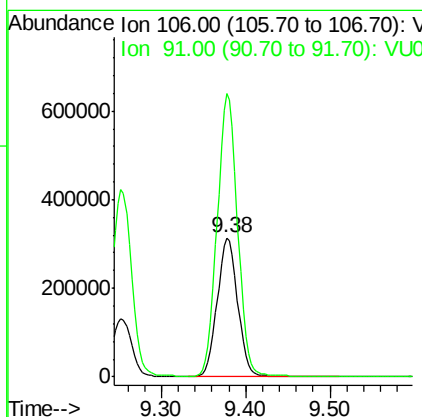
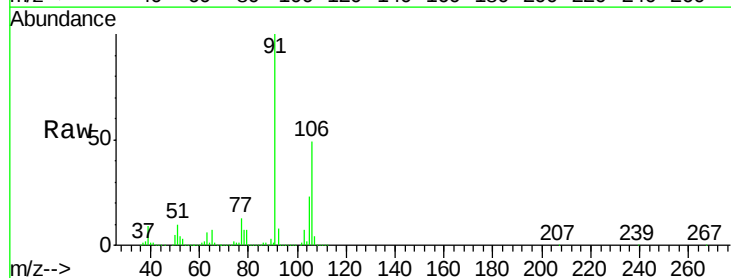
Manual Integrations
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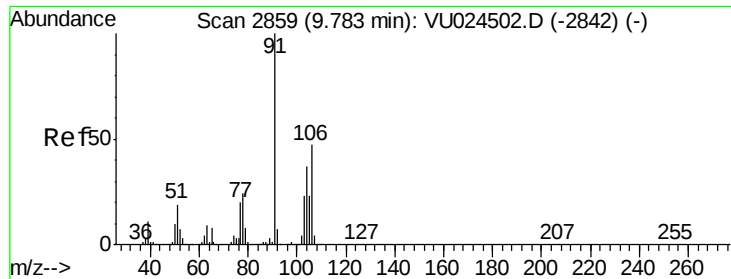
MMDadoda
6/14/2018 9:44:48 AM



#68
m/p-Xylenes
Concen: 100.161 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion: 106 Resp: 528520
Ion Ratio Lower Upper
106 100
91 203.5 166.5 249.7





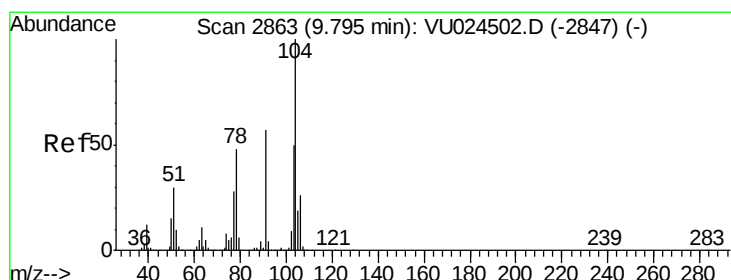
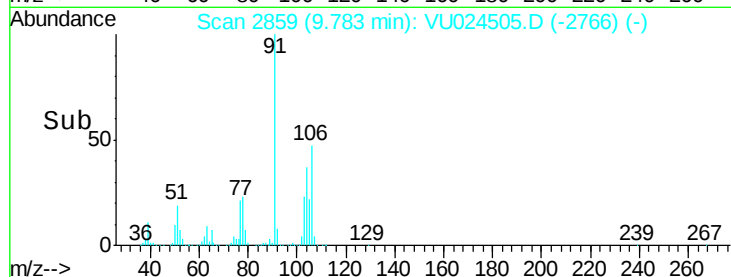
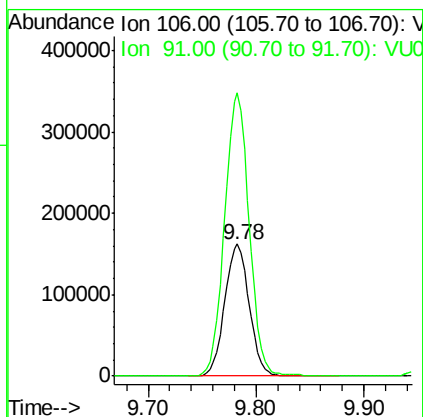
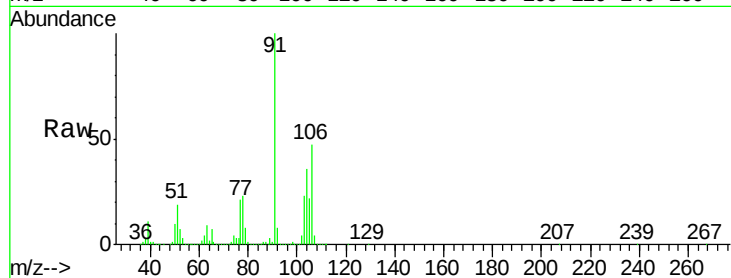
#69
o-Xylene
Concen: 49.261 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Lower	Upper
106	100		
91	214.0	110.7	331.9

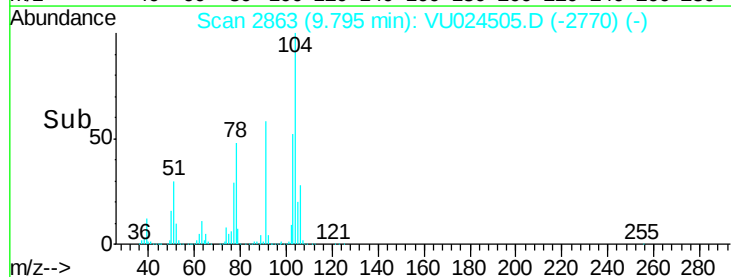
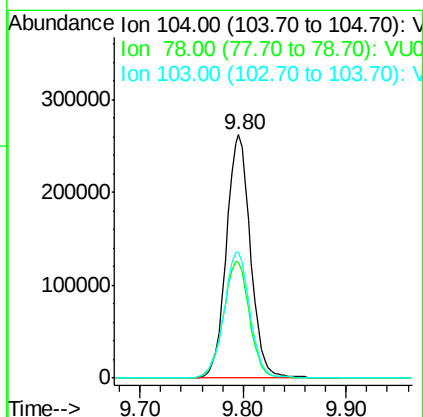
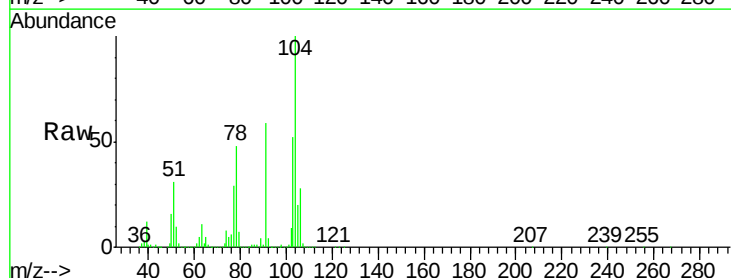
Manual Integrations
APPROVED

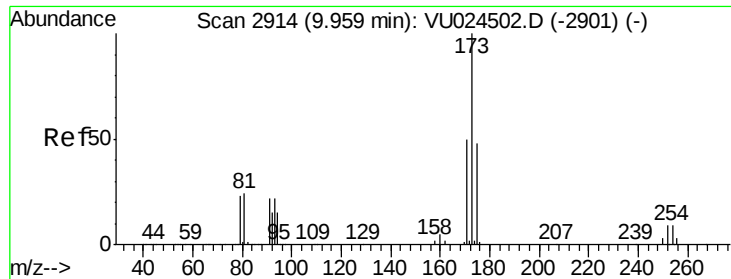
MMDadoda
6/14/2018 9:44:48 AM



#70
Styrene
Concen: 49.697 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.9	40.6	60.8
103	55.7	44.7	67.1





#71

Bromoform

Concen: 48.596 ug/l

RT: 9.96 min Scan# 2915

Delta R.T. 0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

ICVVU061318

Tgt Ion:173 Resp: 137555
Ion Ratio Lower Upper

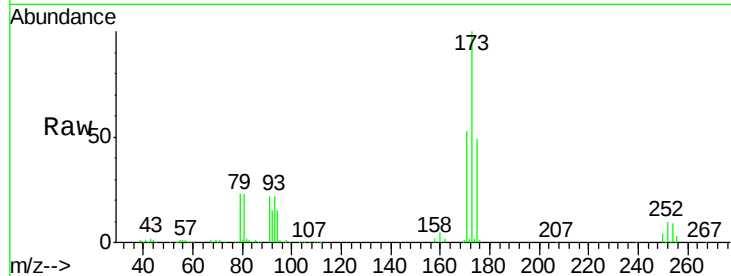
173 100

175 48.5 24.6 74.0

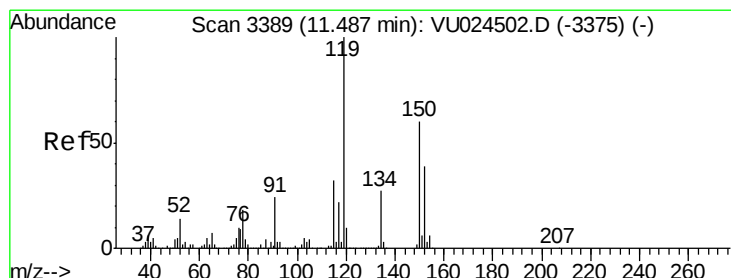
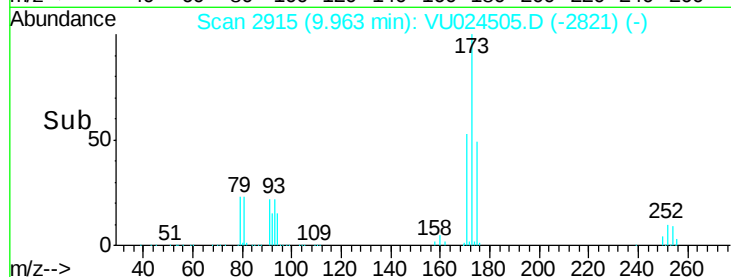
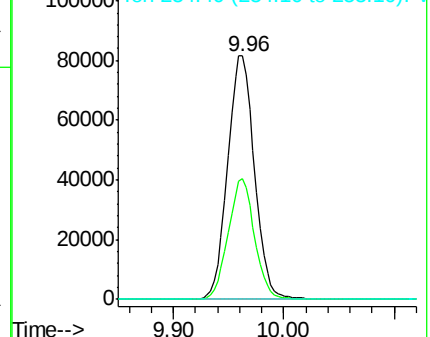
254 0.1 0.0 0.0#

Manual Integrations
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MMDadoda
6/14/2018 9:44:48 AM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024505.D

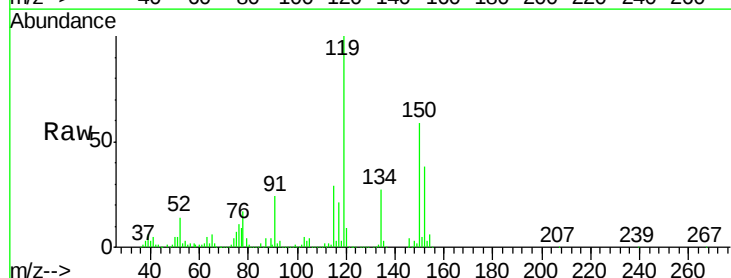
Acq: 13 Jun 2018 13:54

Tgt Ion:152 Resp: 184526
Ion Ratio Lower Upper

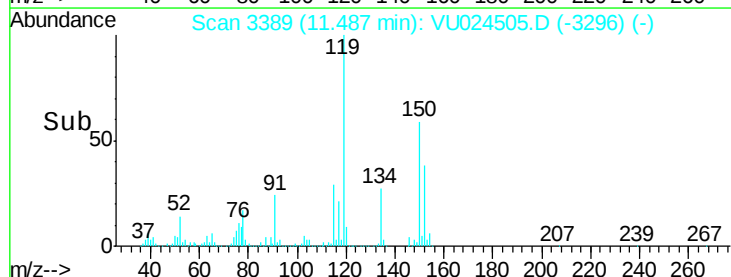
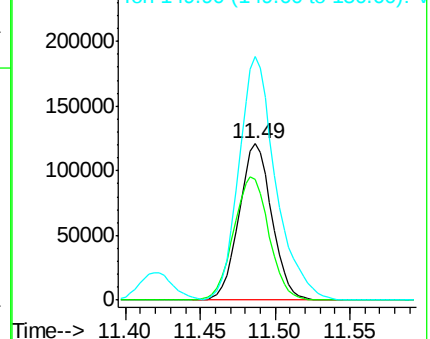
152 100

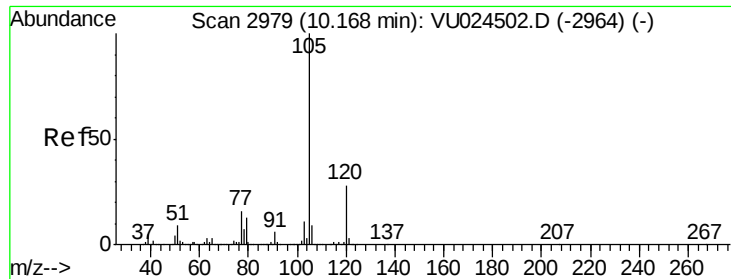
115 84.4 43.0 129.0

150 174.9 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.575 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

ICVVU061318

Tgt Ion: 105 Resp: 688165

Ion Ratio Lower Upper

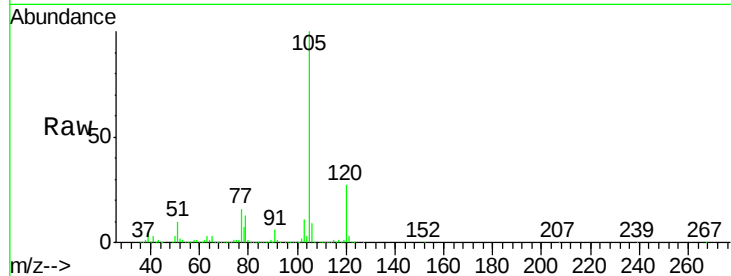
105 100

120 27.4 13.2 39.6

Manual Integrations
APPROVED

MMDadoda

6/14/2018 9:44:48 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

200000

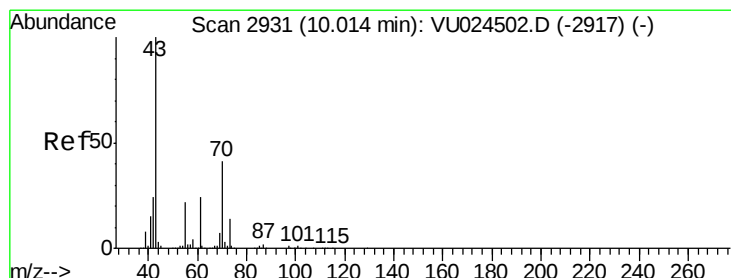
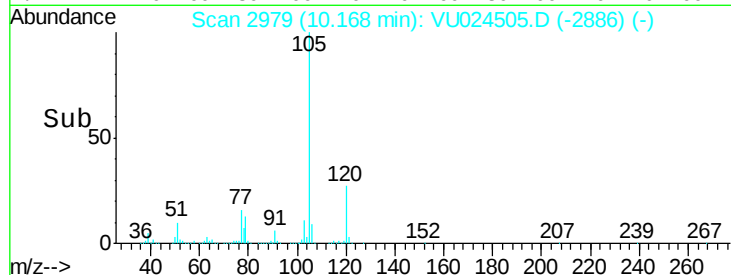
100000

0

10.10

10.20

Time-->



#74

N-ethyl acetate

Concen: 47.957 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Tgt Ion: 43 Resp: 323163

Ion Ratio Lower Upper

43 100

70 40.4 32.2 48.4

55 22.6 20.5 30.7

61 24.3 18.7 28.1

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

300000

200000

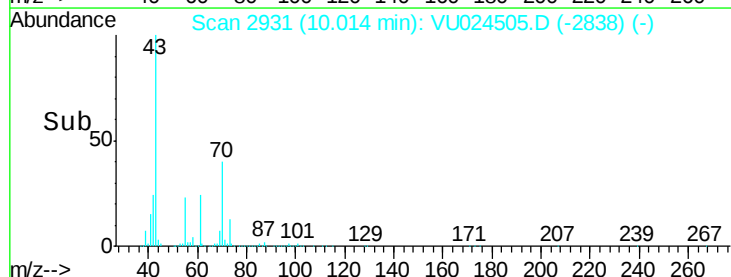
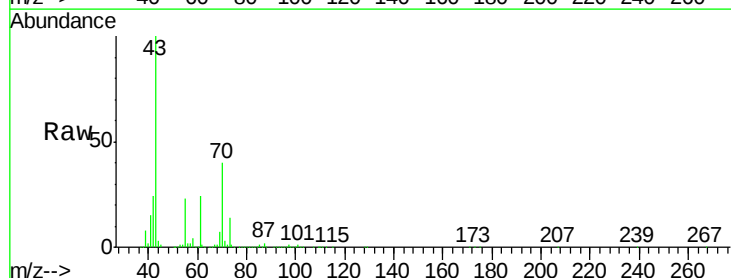
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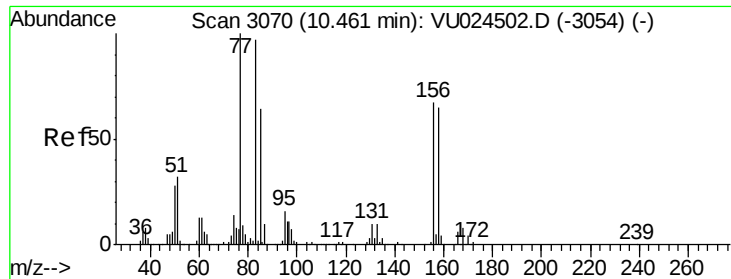
0

10.00

10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.621 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

ICVVU061318

Tgt Ion: 83 Resp: 221331

Ion Ratio Lower Upper

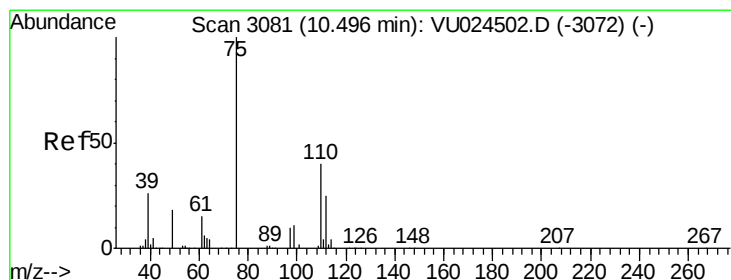
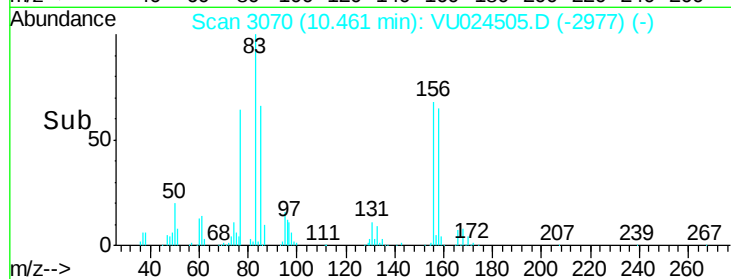
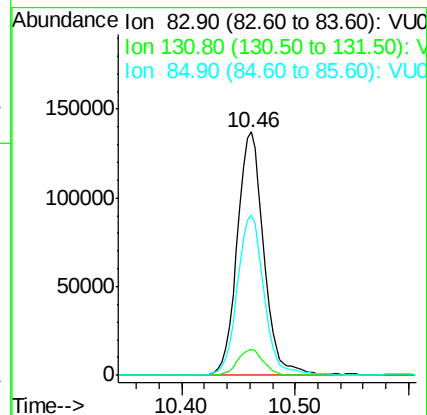
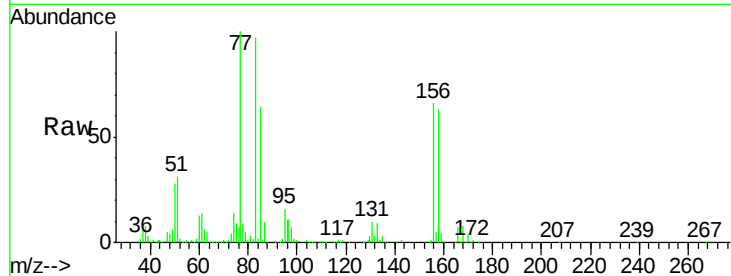
83 100

131 10.5 4.7 14.1

85 66.5 32.5 97.5

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#76

1,2,3-Trichloropropane

Concen: 51.916 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. -0.00 min

Lab File: VU024505.D

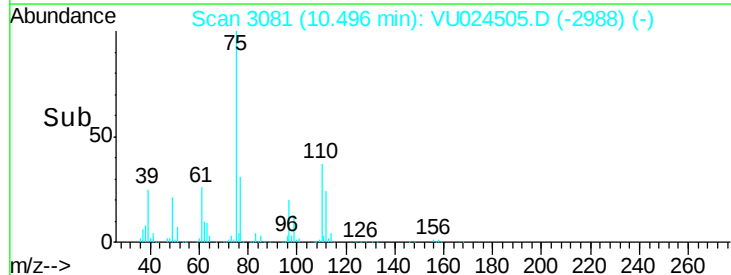
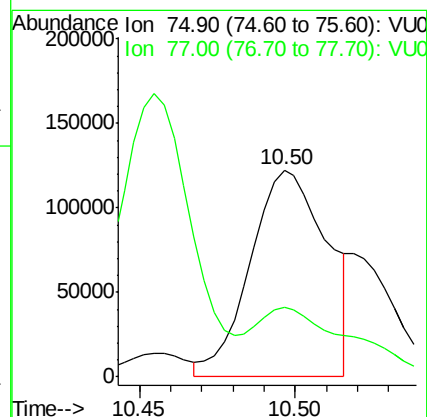
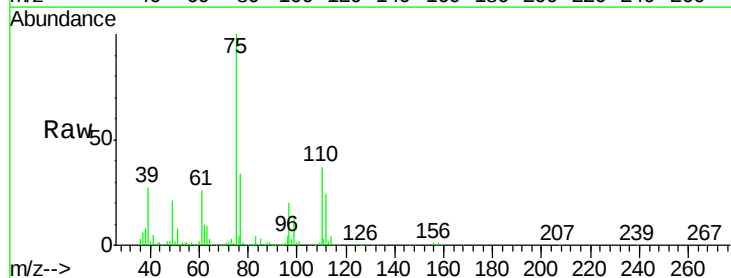
Acq: 13 Jun 2018 13:54

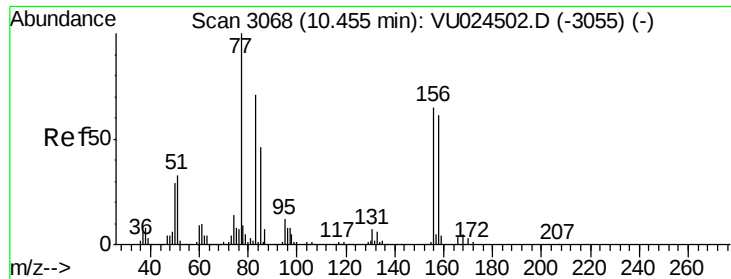
Tgt Ion: 75 Resp: 210914

Ion Ratio Lower Upper

75 100

77 41.4 20.9 62.7





#77

Bromobenzene

Concen: 48.711 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

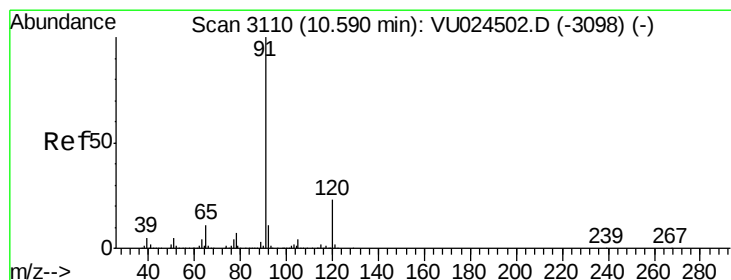
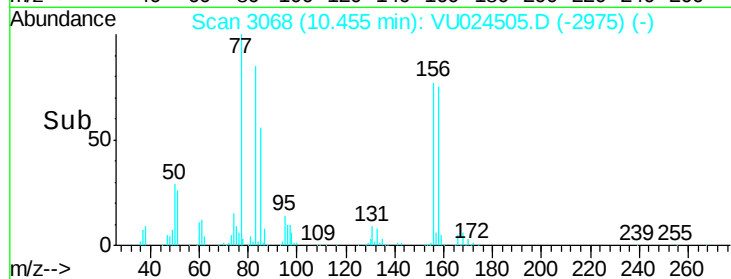
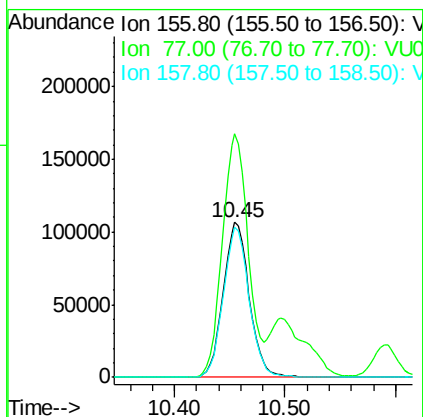
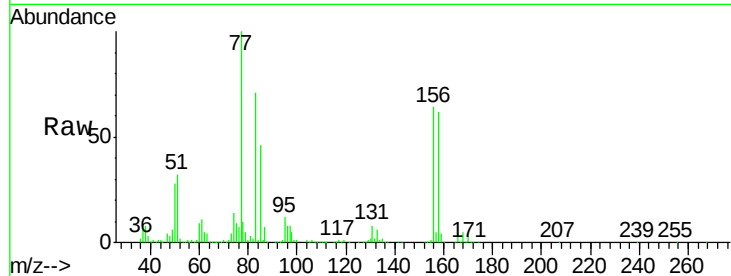
ClientSampleId :

ICVVU061318

Tgt Ion:	156	Resp:	174707
Ion Ratio	Lower	Upper	
156	100		
77	155.5	80.5	241.3
158	96.0	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 49.662 ug/l

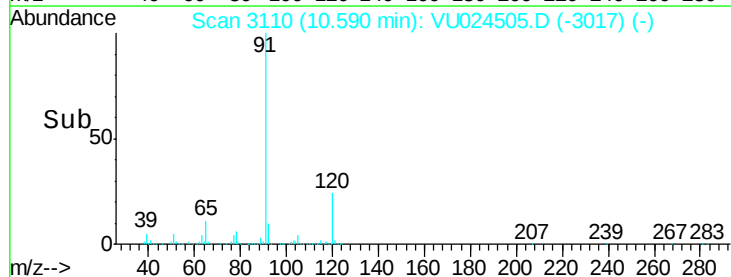
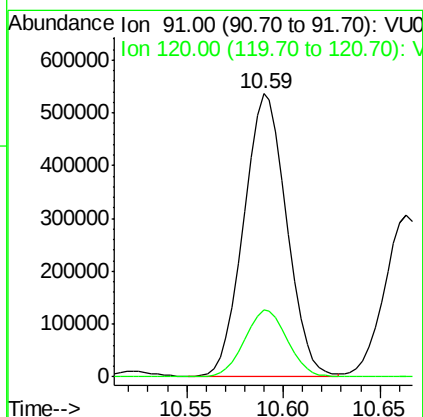
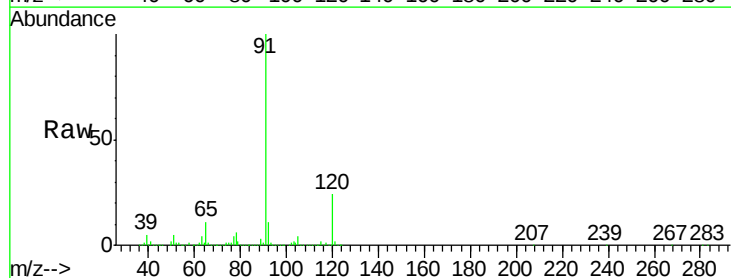
RT: 10.59 min Scan# 3110

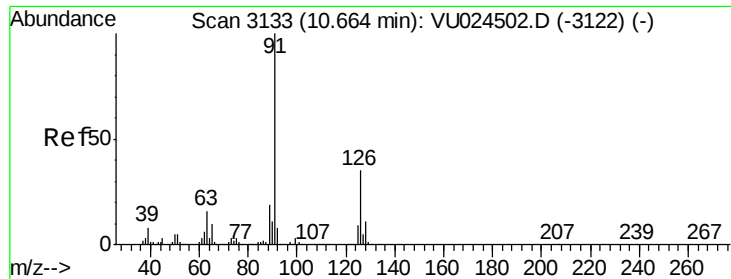
Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Tgt Ion:	91	Resp:	828791
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.2	33.5





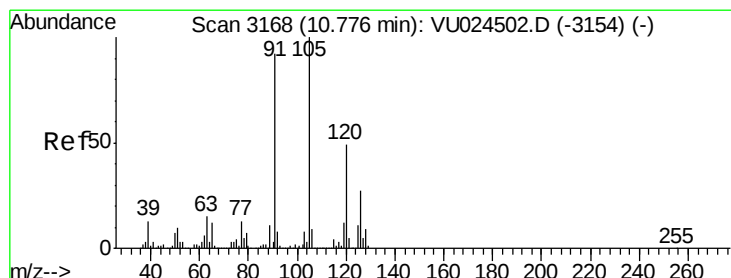
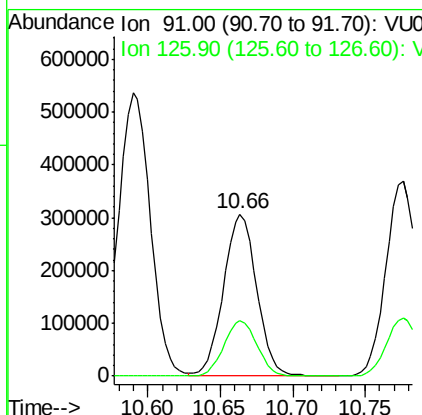
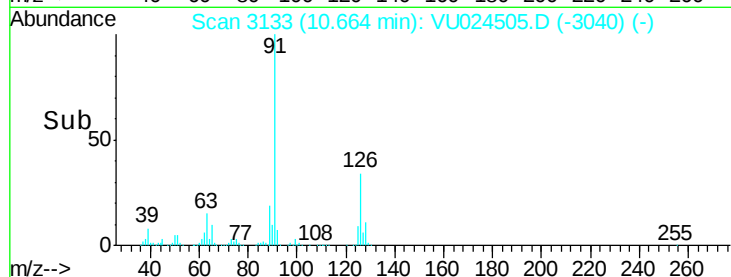
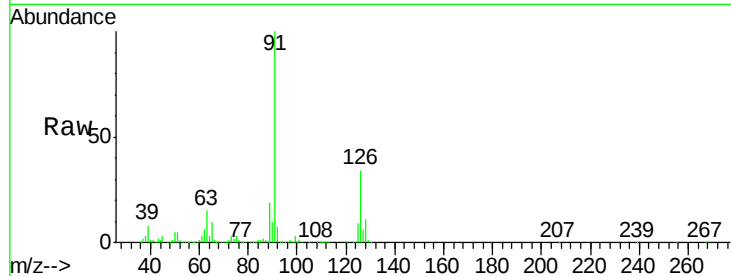
#79
 2-Chlorotoluene
 Concen: 49.452 ug/l
 RT: 10.66 min Scan# 3133
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Tgt Ion: 91 Resp: 486687
 Ion Ratio Lower Upper
 91 100
 126 34.1 16.9 50.7

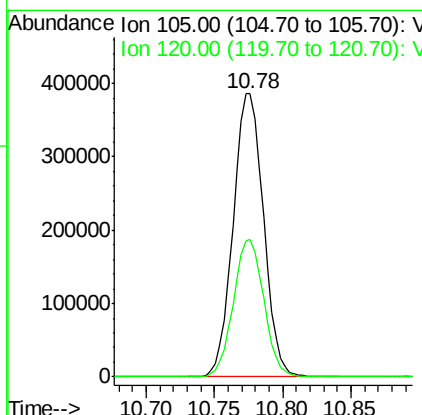
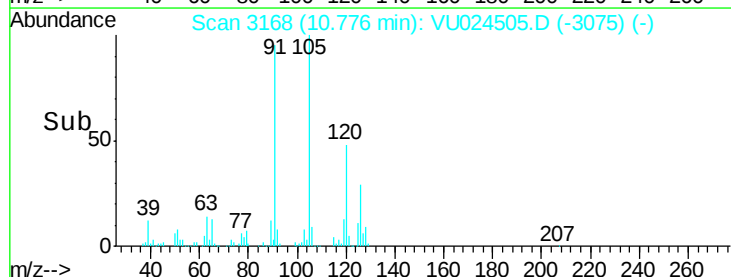
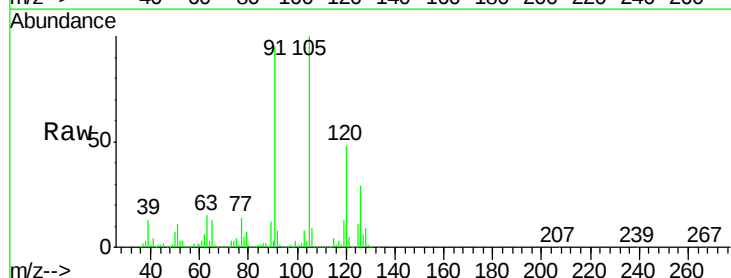
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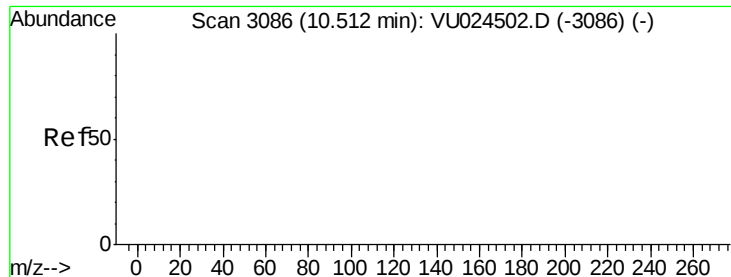
MMDadoda
 6/14/2018 9:44:48 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 48.483 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion: 105 Resp: 595341
 Ion Ratio Lower Upper
 105 100
 120 48.6 24.1 72.2





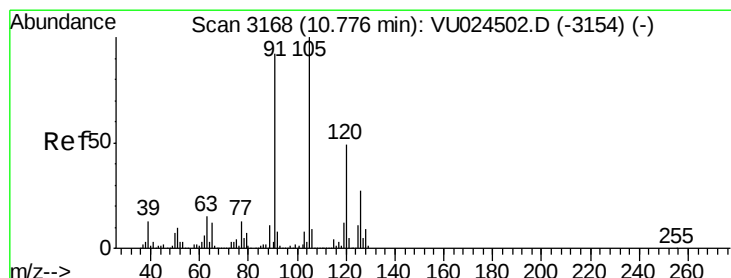
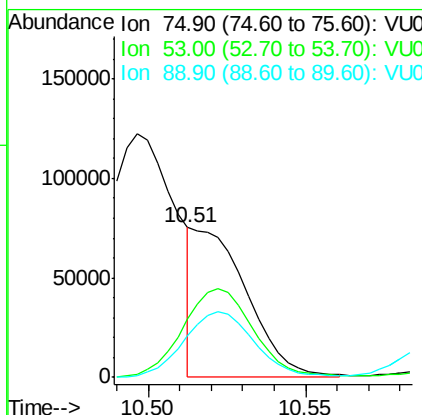
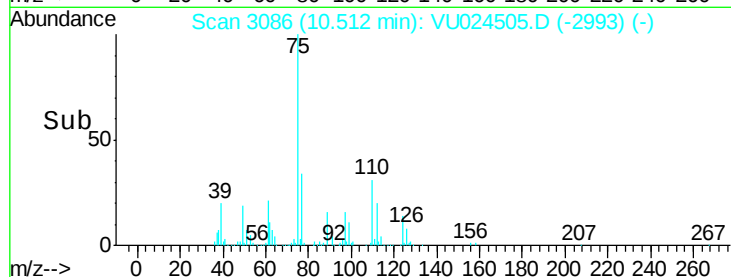
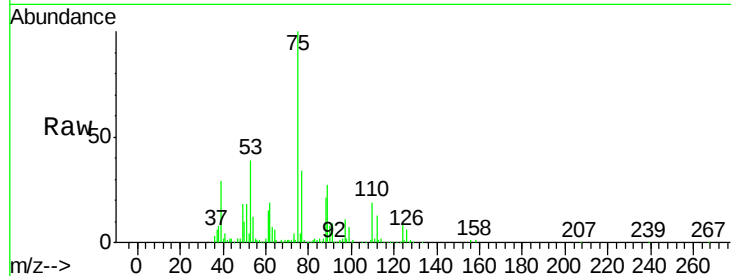
#81
trans-1,4-Dichloro-2-butene
Concen: 49.834 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

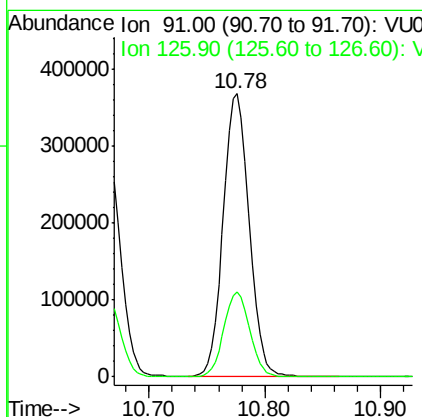
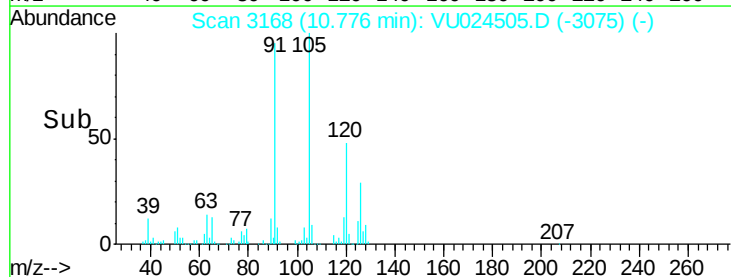
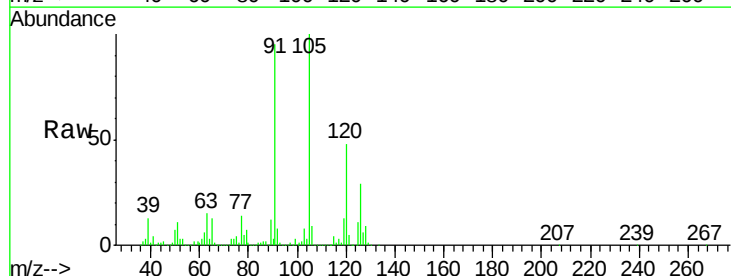
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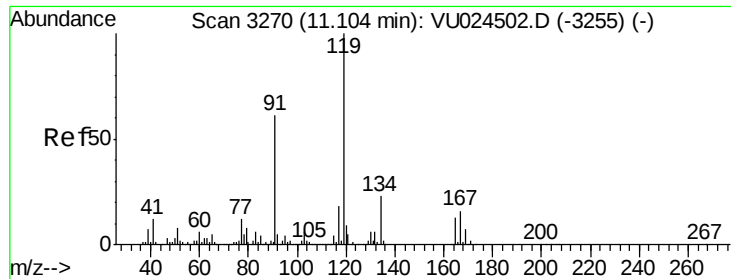
MMDadoda
6/14/2018 9:44:48 AM



#82
4-Chlorotoluene
Concen: 49.687 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.9	44.9





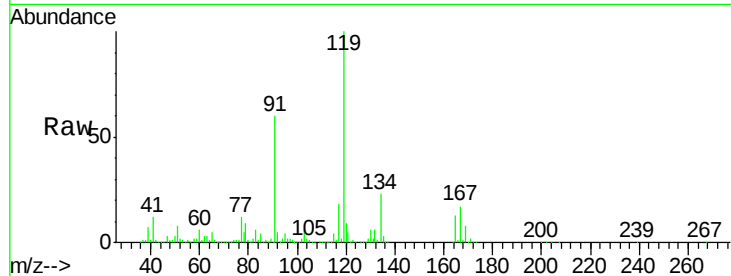
#83
 tert-Butylbenzene
 Concen: 48.356 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

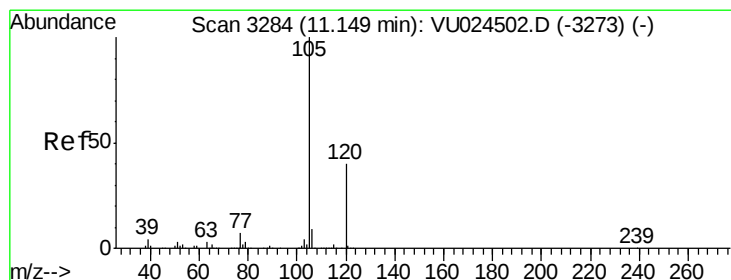
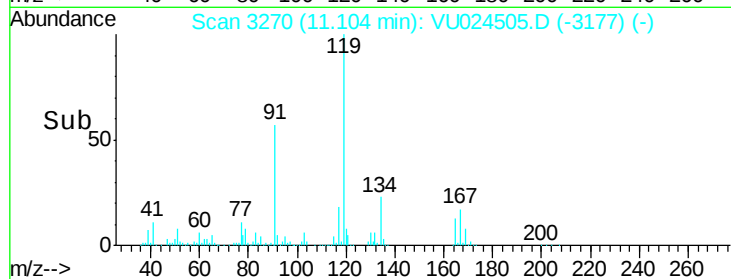
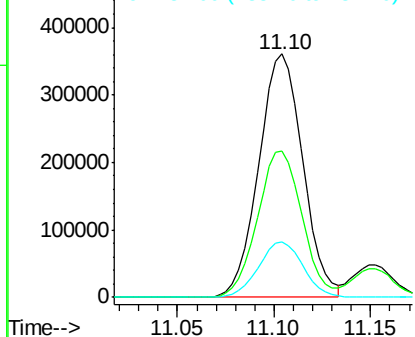
Tgt Ion	Ratio	Resp	Lower	Upper
119	100	571168		
91	60.8	29.7	89.1	
134	23.0	11.6	34.7	

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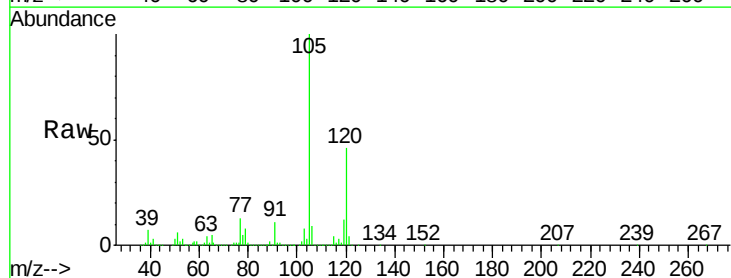


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

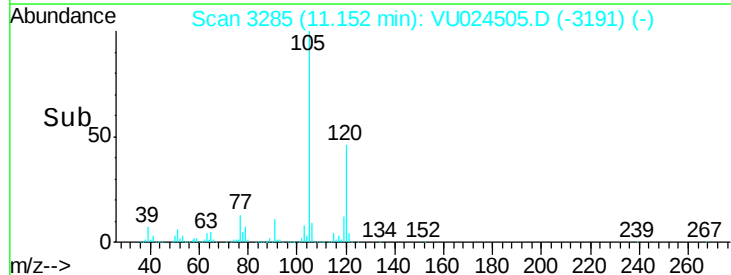
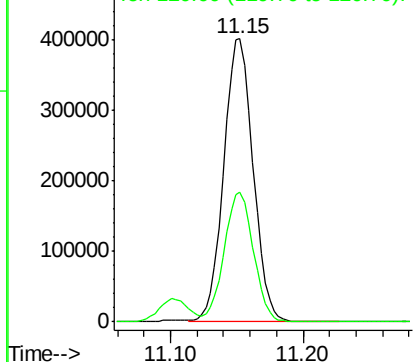


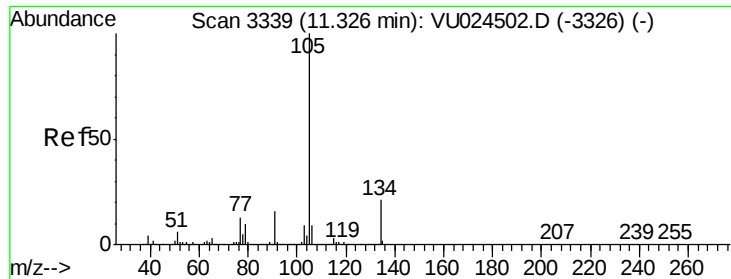
#84
 1,2,4-Trimethylbenzene
 Concen: 49.301 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	616941		
120	45.7	22.6	67.8	



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





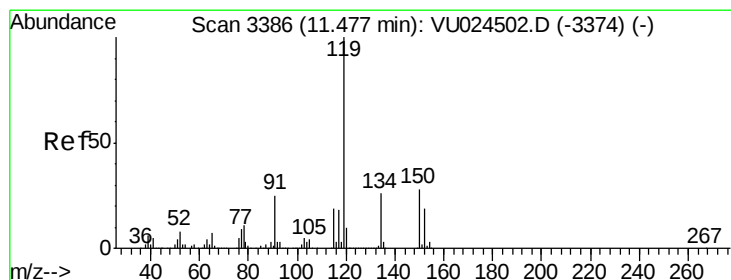
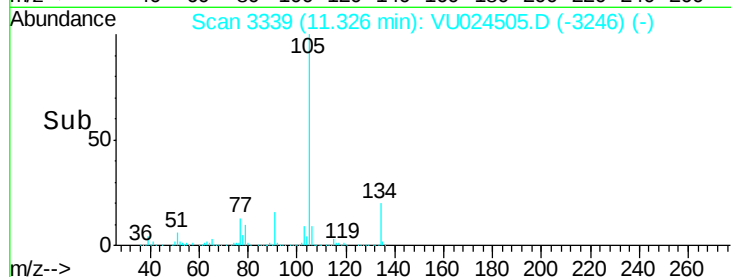
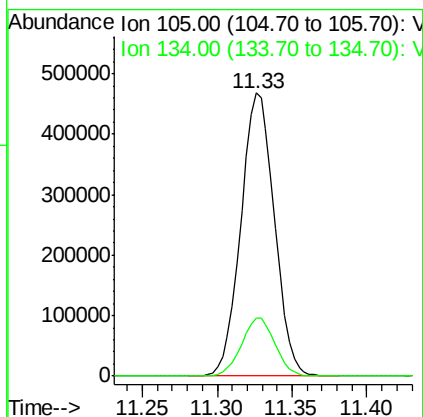
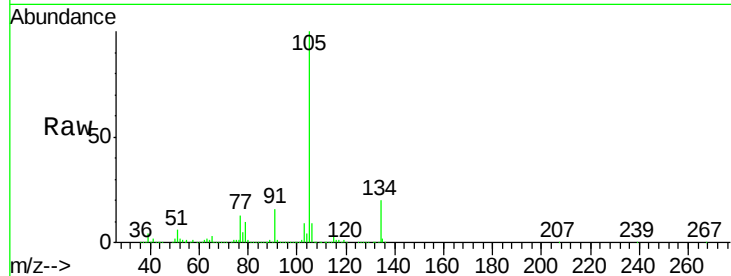
#85
 sec-Butylbenzene
 Concen: 49.364 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	729865		
134	20.4	9.7	29.1	

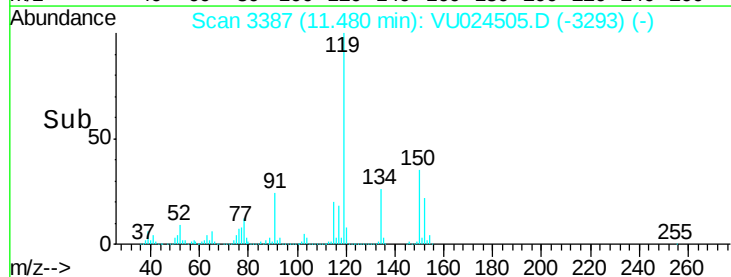
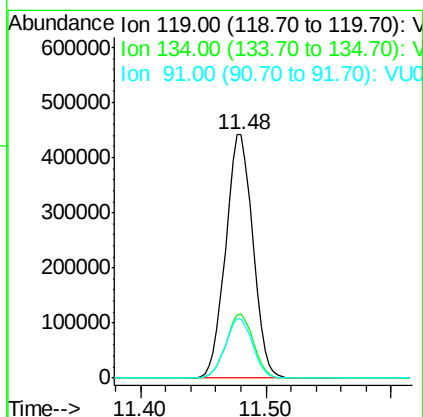
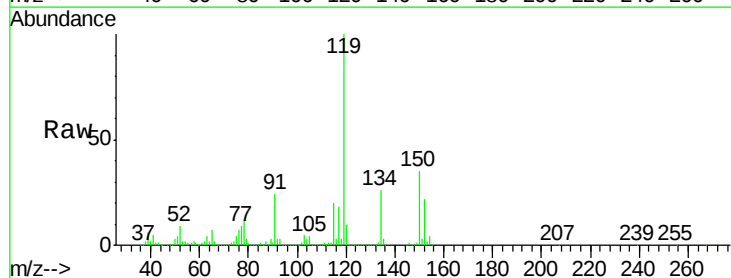
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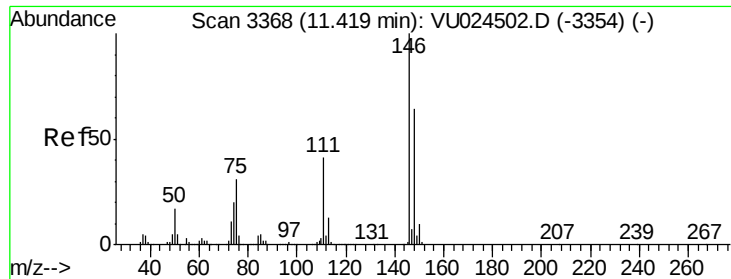
MMDadoda
 6/14/2018 9:44:48 AM



#86
 p-Isopropyltoluene
 Concen: 50.129 ug/l
 RT: 11.48 min Scan# 3387
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	663805		
134	26.4	12.9	38.6	
91	24.5	12.0	36.1	





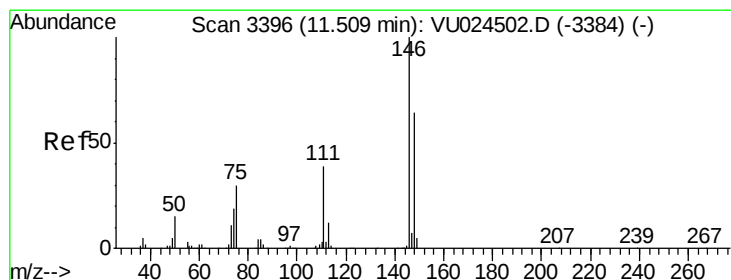
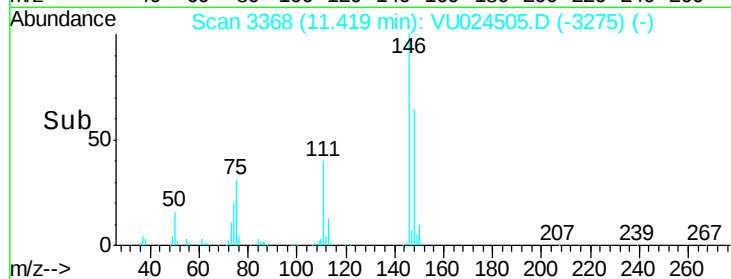
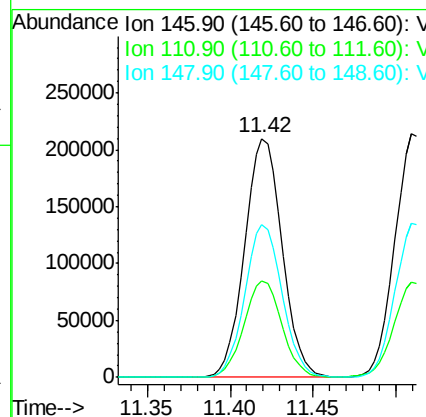
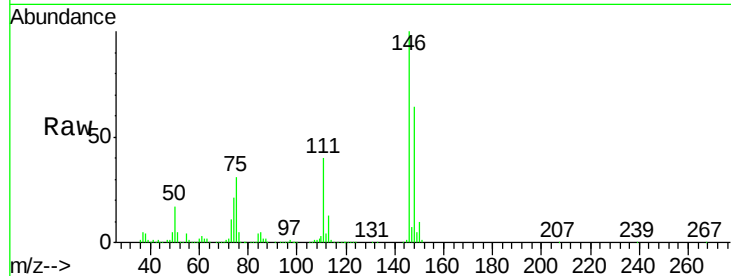
#87
 1,3-Dichlorobenzene
 Concen: 49.777 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	60.0
148	63.8	32.1	96.5

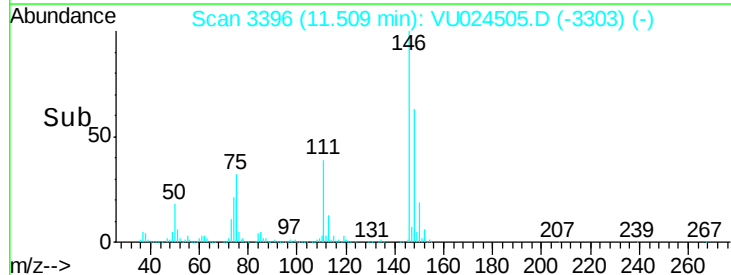
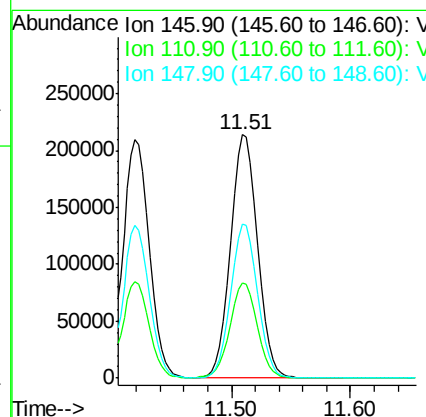
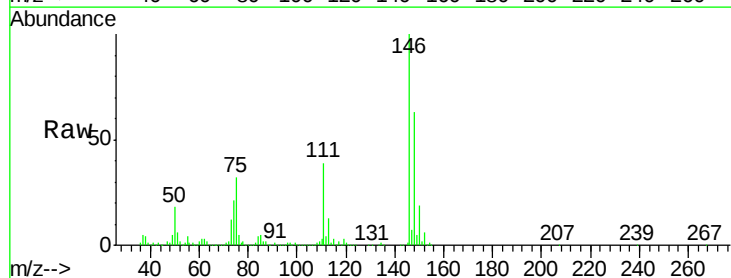
Manual Integrations
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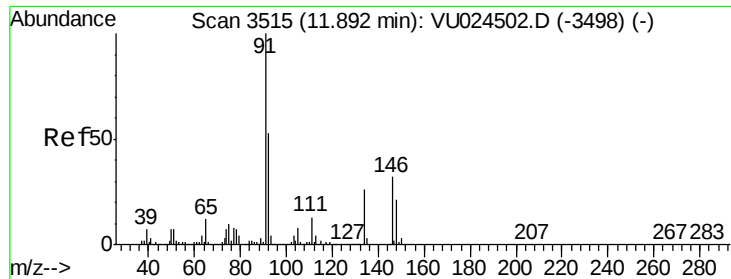
MMDadoda
 6/14/2018 9:44:48 AM



#88
 1,4-Dichlorobenzene
 Concen: 50.588 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.5	58.5
148	63.0	32.4	97.0





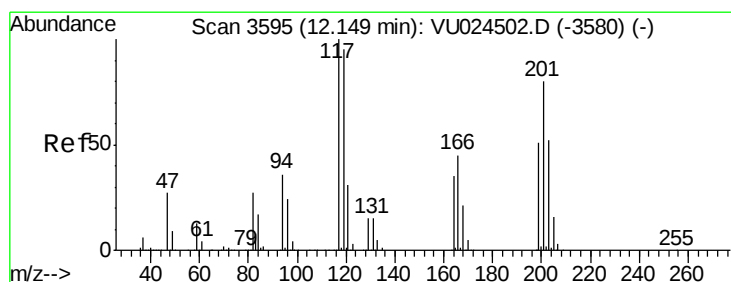
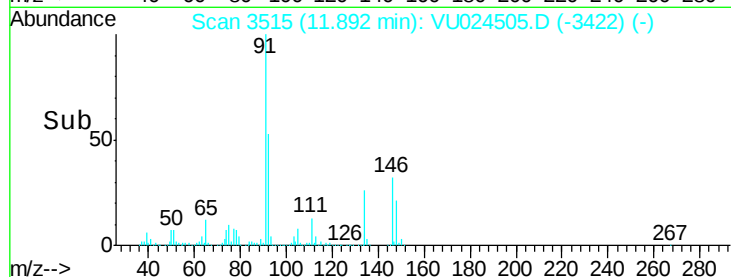
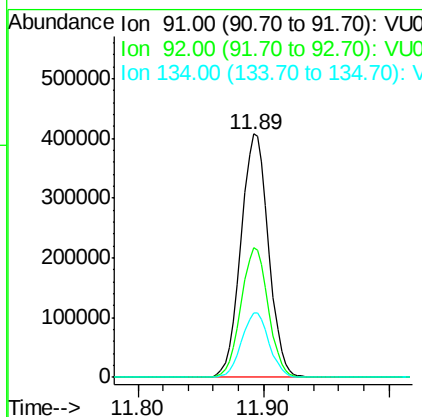
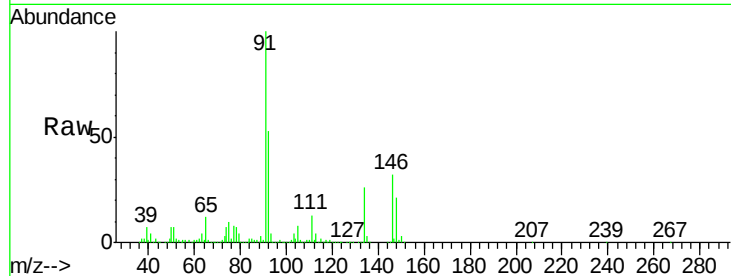
#89
n-Butylbenzene
Concen: 52.728 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.0	25.6	76.8
134	26.6	12.3	36.8

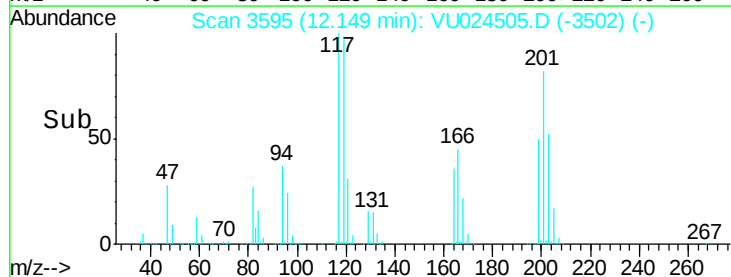
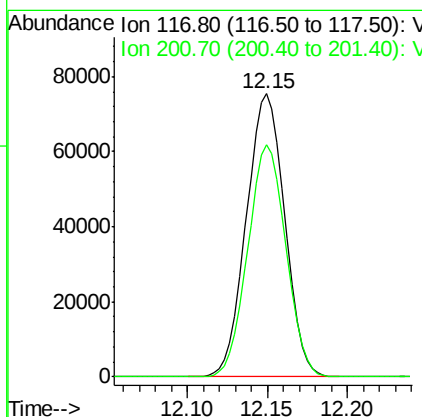
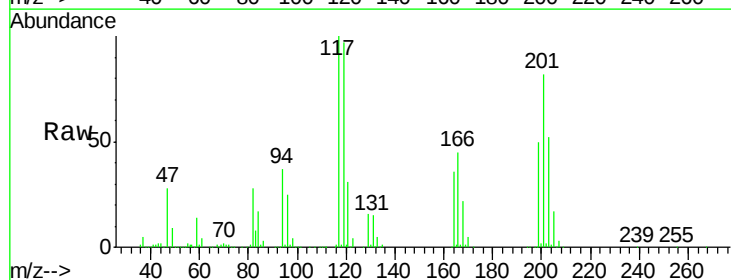
Manual Integrations
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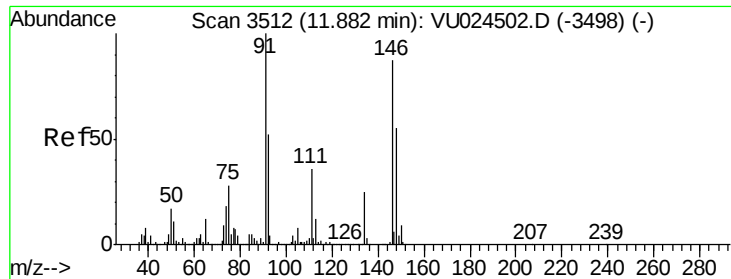
MMDadoda
6/14/2018 9:44:48 AM



#90
Hexachloroethane
Concen: 48.065 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	41.1	123.3





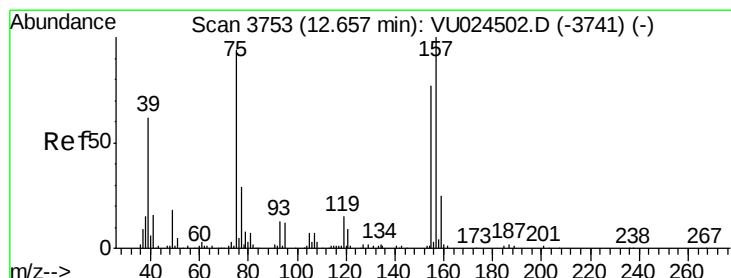
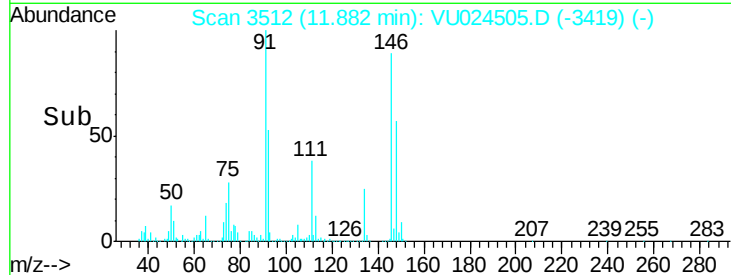
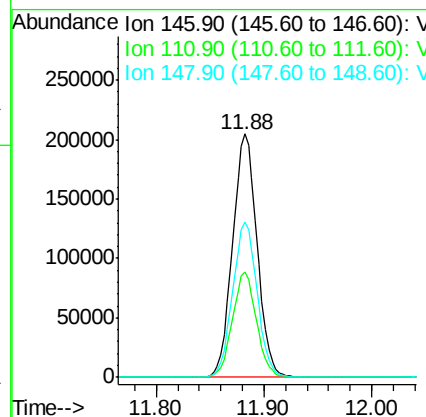
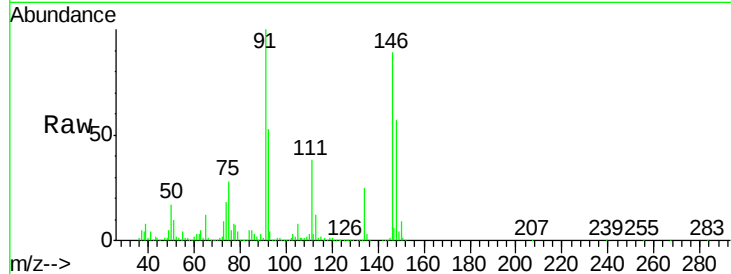
#91
 1,2-Dichlorobenzene
 Concen: 48.826 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	324063		
111	42.2	20.5	61.6	
148	63.9	31.9	95.7	

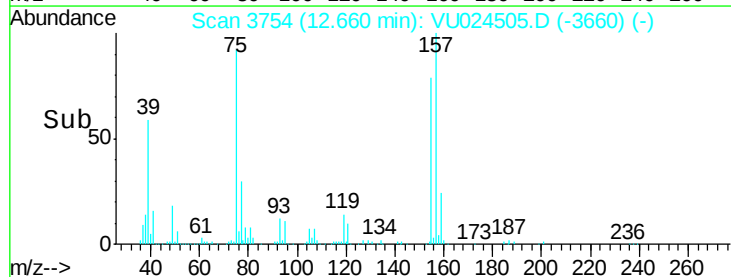
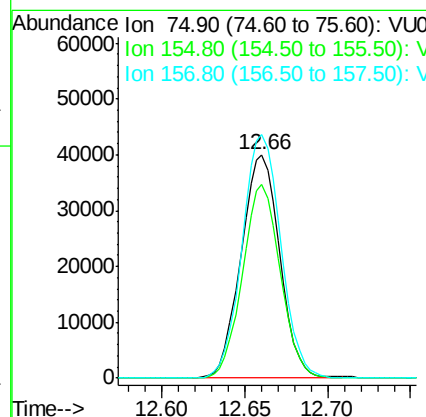
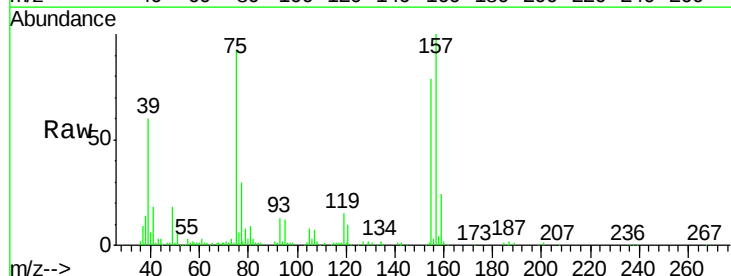
Manual Integrations
 APPROVED

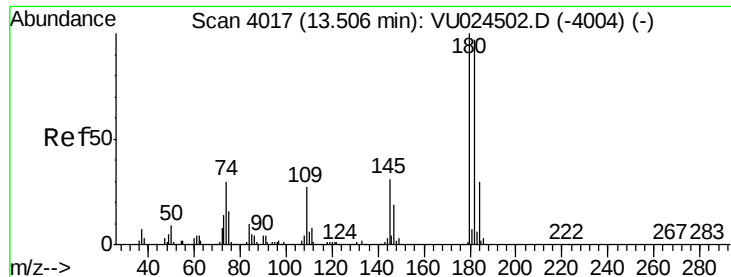
MMDadoda
 6/14/2018 9:44:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.536 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	64890		
155	84.5	40.4	121.2	
157	109.4	52.3	156.8	





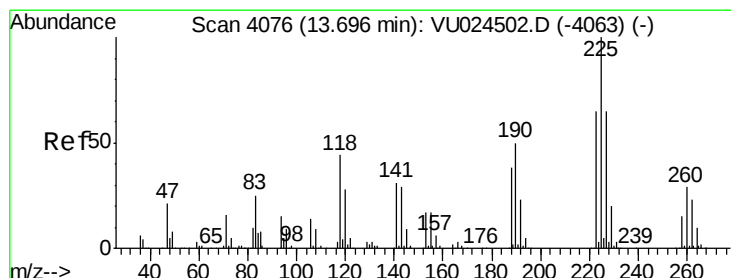
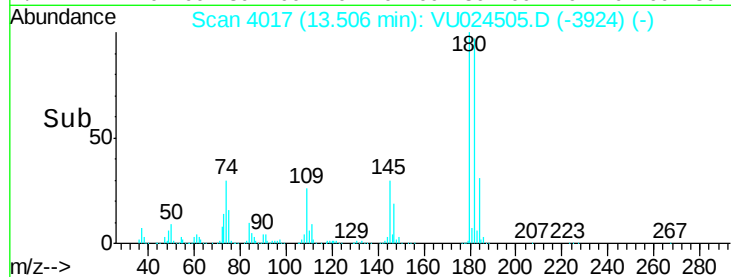
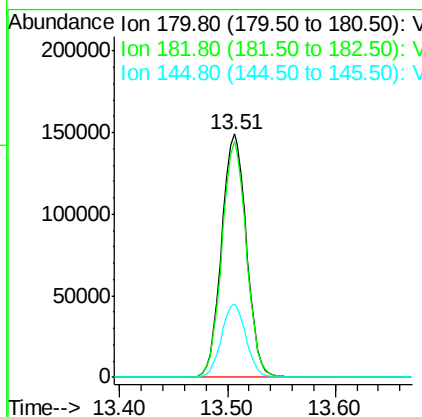
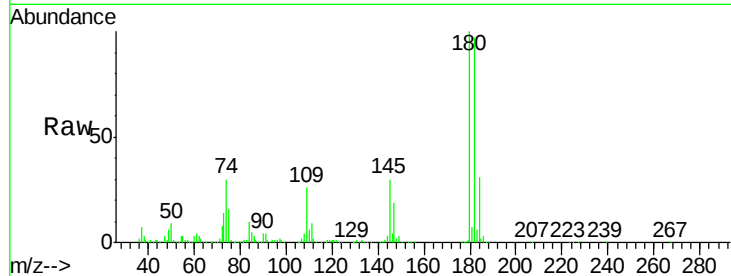
#93
 1,2,4-Trichlorobenzene
 Concen: 58.374 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	239248		
182	95.5	48.0	144.2	
145	29.8	14.7	44.1	

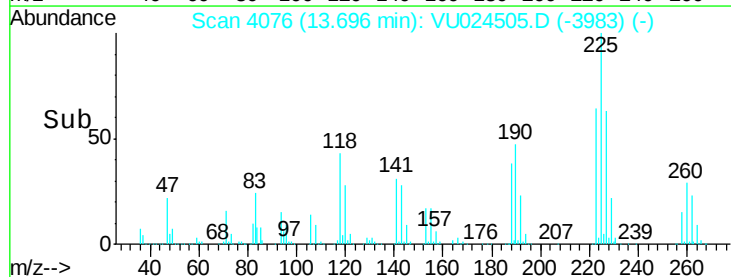
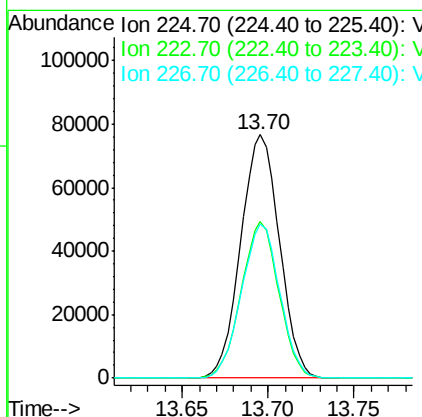
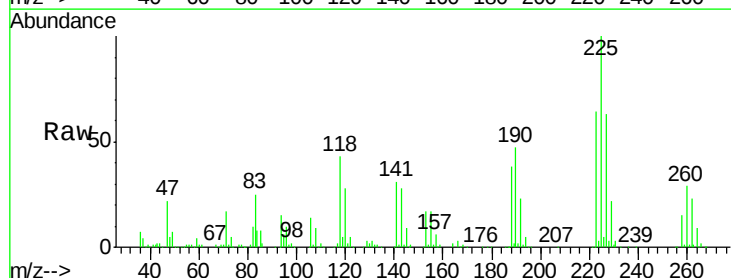
Manual Integrations
 APPROVED

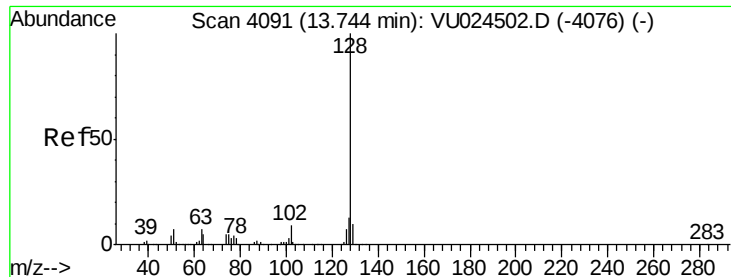
MMDadoda
 6/14/2018 9:44:48 AM



#94
 Hexachlorobutadiene
 Concen: 52.115 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	120222		
223	62.5	31.3	93.8	
227	62.6	31.8	95.4	





#95

Naphthalene

Concen: 54.677 ug/l

RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Instrument :

MSVOA_U

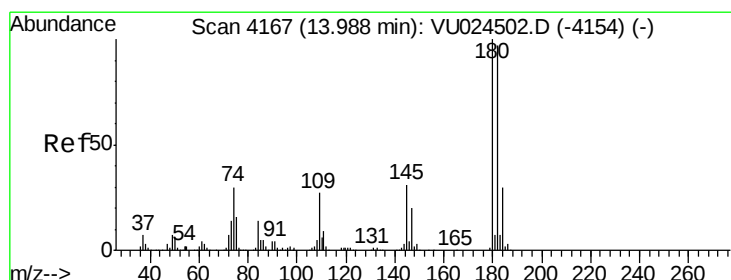
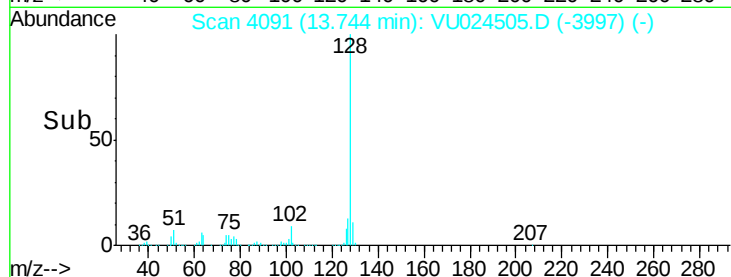
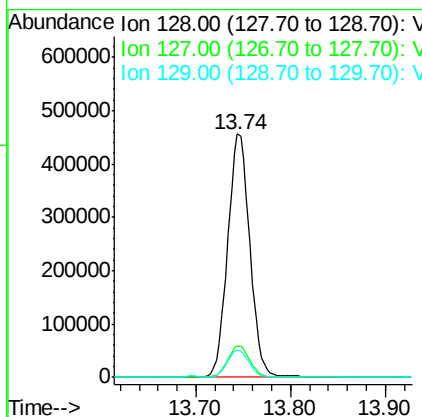
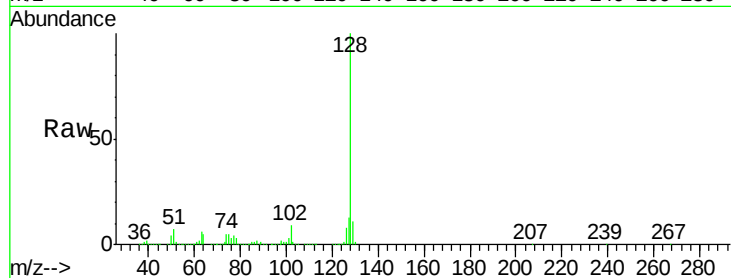
ClientSampleId :

ICVVU061318

Tgt Ion:	128	Resp:	742748
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	16.0
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/14/2018 9:44:48 AM



#96

1,2,3-Trichlorobenzene

Concen: 58.045 ug/l

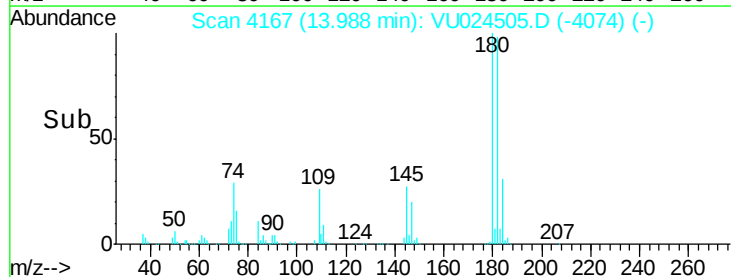
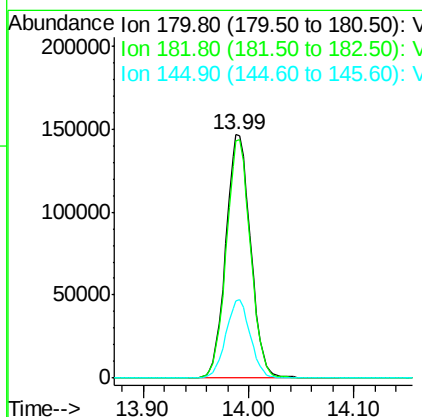
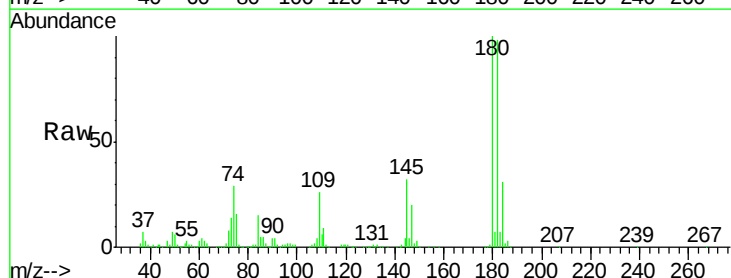
RT: 13.99 min Scan# 4167

Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Tgt Ion:	180	Resp:	237051
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.7
145	31.6	15.4	46.1



Data File : VU024505.D
Acq On : 13 Jun 2018 13:54
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Quant Time: Jun 13 17:05:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	1.000	1.000	0.0	107	0.00
2 T	Dichlorodifluoromethane	0.626	0.607	3.0	107	0.00
3 P	Chloromethane	0.639	0.643	-0.6	116	0.00
4 C	Vinyl Chloride	0.659	0.639	3.0#	106	0.00
5 T	Bromomethane	0.319	0.343	-7.5	114	0.00
6 T	Chloroethane	0.431	0.371	13.9	104	0.00
7 T	Trichlorofluoromethane	1.006	0.930	7.6	103	0.00
8 T	Diethyl Ether	0.390	0.342	12.3	101	0.00
9 T	1,1,2-Trichlorotrifluoroeth	0.624	0.600	3.8	106	0.00
10 T	Methyl Iodide	0.451	0.446	1.1	92	0.00
11 T	Tert butyl alcohol	0.199	0.180	9.5	103	0.00
12 CM	1,1-Dichloroethene	0.569	0.560	1.6#	105	0.00
13 T	Acrolein	0.104	0.097	6.7	103	0.00
14 T	Allyl chloride	1.057	1.004	5.0	106	0.00
15 T	Acrylonitrile	0.386	0.376	2.6	102	0.00
16 T	Acetone	0.439	0.422	3.9	109	0.00
17 T	Carbon Disulfide	1.823	1.828	-0.3	110	0.00
18 T	Methyl Acetate	0.940	0.881	6.3	102	0.00
19 T	Methyl tert-butyl Ether	2.140	2.072	3.2	105	0.00
20 T	Methylene Chloride	0.688	0.643	6.5	106	0.00
21 T	trans-1,2-Dichloroethene	0.627	0.608	3.0	107	0.00
22 T	Diisopropyl ether	2.096	2.006	4.3	104	0.00
23 T	Vinyl Acetate	1.877	1.846	1.7	105	0.00
24 P	1,1-Dichloroethane	1.205	1.160	3.7	104	0.00
25 T	2-Butanone	0.589	0.577	2.0	103	0.00
26 T	2,2-Dichloropropane	1.145	1.112	2.9	107	0.00
27 T	cis-1,2-Dichloroethene	0.721	0.696	3.5	106	0.00
28 T	Bromochloromethane	0.531	0.545	-2.6	104	0.00
29 T	Tetrahydrofuran	0.365	0.343	6.0	102	0.00
30 C	Chloroform	1.220	1.179	3.4#	105	0.00
31 T	Cyclohexane	1.323	1.086	17.9	105	0.00
32 T	1,1,1-Trichloroethane	1.128	1.065	5.6	104	0.00
33 S	1,2-Dichloroethane-d4	0.816	0.807	1.1	105	0.00
34 I	1,4-Difluorobenzene	1.000	1.000	0.0	103	0.00
35 S	Dibromofluoromethane	0.415	0.431	-3.9	106	0.00
36 T	1,1-Dichloropropene	0.588	0.592	-0.7	107	0.00
37 T	Ethyl Acetate	0.640	0.655	-2.3	100	0.00
38 T	Carbon Tetrachloride	0.646	0.649	-0.5	105	0.00
39 T	Methylcyclohexane	0.733	0.730	0.4	107	0.00
40 TM	Benzene	1.674	1.664	0.6	104	0.00
41 T	Methacrylonitrile	0.345	0.359	-4.1	101	0.00
42 TM	1,2-Dichloroethane	0.638	0.631	1.1	104	0.00
43 T	Isopropyl Acetate	1.107	1.073	3.1	103	0.00
44 TM	Trichloroethene	0.476	0.470	1.3	106	0.00
45 C	1,2-Dichloropropane	0.447	0.451	-0.9#	105	0.00

Data File : VU024505.D
Acq On : 13 Jun 2018 13:54
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Quant Time: Jun 13 17:05:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
46 T	Dibromomethane	0.314	0.320	-1.9	104	0.00
47 T	Bromodichloromethane	0.625	0.625	0.0	105	0.00
48 T	Methyl methacrylate	0.539	0.535	0.7	103	0.00
49 T	1,4-Dioxane	0.011	0.010	9.1	109	0.00
50 S	Toluene-d8	1.514	1.577	-4.2	106	0.00
51 T	4-Methyl-2-Pentanone	0.695	0.682	1.9	103	0.00
52 CM	Toluene	1.077	1.070	0.6#	105	0.00
53 T	t-1,3-Dichloropropene	0.702	0.735	-4.7	108	0.00
54 T	cis-1,3-Dichloropropene	0.748	0.750	-0.3	105	0.00
55 T	1,1,2-Trichloroethane	0.438	0.417	4.8	104	0.00
56 T	Ethyl methacrylate	0.733	0.725	1.1	105	0.00
57 T	1,3-Dichloropropane	0.739	0.735	0.5	105	0.00
58 T	2-Chloroethyl Vinyl ether	0.281	0.298	-6.0	108	0.00
59 T	2-Hexanone	0.568	0.554	2.5	104	0.00
60 T	Dibromochloromethane	0.546	0.537	1.6	106	0.00
61 T	1,2-Dibromoethane	0.487	0.479	1.6	105	0.00
62 S	4-Bromofluorobenzene	0.601	0.623	-3.7	107	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64 T	Tetrachloroethene	0.475	0.473	0.4	104	0.00
65 PM	Chlorobenzene	1.277	1.274	0.2	106	0.00
66 T	1,1,1,2-Tetrachloroethane	0.485	0.473	2.5	105	0.00
67 C	Ethyl Benzene	2.239	2.217	1.0#	106	0.00
68 T	m/p-Xylenes	0.860	0.861	-0.1	107	0.00
69 T	o-Xylene	0.851	0.838	1.5	106	0.00
70 T	Styrene	1.398	1.390	0.6	105	0.00
71 P	Bromoform	0.461	0.448	2.8	106	0.00
72 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
73 T	Isopropylbenzene	3.839	3.729	2.9	106	0.00
74 T	N-amyl acetate	1.826	1.751	4.1	104	0.00
75 P	1,1,2,2-Tetrachloroethane	1.286	1.199	6.8	104	0.00
76 T	1,2,3-Trichloropropane	1.101	1.143	-3.8	112	0.00
77 T	Bromobenzene	0.972	0.947	2.6	106	0.00
78 T	n-propylbenzene	4.522	4.491	0.7	107	0.00
79 T	2-Chlorotoluene	2.667	2.637	1.1	108	0.00
80 T	1,3,5-Trimethylbenzene	3.327	3.226	3.0	107	0.00
81 T	trans-1,4-Dichloro-2-butene	0.476	0.474	0.4	109	0.00
82 T	4-Chlorotoluene	3.104	3.084	0.6	107	0.00
83 T	tert-Butylbenzene	3.201	3.095	3.3	106	0.00
84 T	1,2,4-Trimethylbenzene	3.391	3.343	1.4	107	0.00
85 T	sec-Butylbenzene	4.006	3.955	1.3	107	0.00
86 T	p-Isopropyltoluene	3.588	3.597	-0.3	109	0.00
87 T	1,3-Dichlorobenzene	1.795	1.787	0.4	108	0.00
88 T	1,4-Dichlorobenzene	1.807	1.828	-1.2	110	0.00
89 T	n-Butylbenzene	3.186	3.359	-5.4	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061318\
Evaluate Continuing Calibration Report

Data File : VU024505.D
Acq On : 13 Jun 2018 13:54
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Quant Time: Jun 13 17:05:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	0.700	0.673	3.9	108	0.00
91 T	1,2-Dichlorobenzene	1.798	1.756	2.3	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	0.355	0.352	0.8	104	0.00
93 T	1,2,4-Trichlorobenzene	1.111	1.297	-16.7	113	0.00
94 T	Hexachlorobutadiene	0.625	0.652	-4.3	112	0.00
95 T	Naphthalene	3.293	4.025	-22.2#	114	0.00
96 T	1,2,3-Trichlorobenzene	1.107	1.285	-16.1	111	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data File : VU024505.D
Acq On : 13 Jun 2018 13:54
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Quant Time: Jun 13 17:05:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	Pentafluorobenzene	50.000	50.000	0.0	107	0.00
2 T	Dichlorodifluoromethane	50.000	48.532	2.9	107	0.00
3 P	Chloromethane	50.000	50.287	-0.6	116	0.00
4 C	Vinyl Chloride	50.000	48.462	3.1#	106	0.00
5 T	Bromomethane	50.000	53.797	-7.6	114	0.00
6 T	Chloroethane	50.000	50.339	-0.7	104	0.00
7 T	Trichlorofluoromethane	50.000	46.221	7.6	103	0.00
8 T	Diethyl Ether	50.000	49.979	0.0	101	0.00
9 T	1,1,2-Trichlorotrifluoroeth	50.000	48.055	3.9	106	0.00
10 T	Methyl Iodide	50.000	43.041	13.9	92	0.00
11 T	Tert butyl alcohol	250.000	226.523	9.4	103	0.00
12 CM	1,1-Dichloroethene	50.000	49.165	1.7#	105	0.00
13 T	Acrolein	250.000	232.440	7.0	103	0.00
14 T	Allyl chloride	50.000	47.489	5.0	106	0.00
15 T	Acrylonitrile	250.000	243.618	2.6	102	0.00
16 T	Acetone	250.000	240.533	3.8	109	0.00
17 T	Carbon Disulfide	50.000	50.132	-0.3	110	0.00
18 T	Methyl Acetate	50.000	46.834	6.3	102	0.00
19 T	Methyl tert-butyl Ether	50.000	48.418	3.2	105	0.00
20 T	Methylene Chloride	50.000	46.729	6.5	106	0.00
21 T	trans-1,2-Dichloroethene	50.000	48.519	3.0	107	0.00
22 T	Diisopropyl ether	50.000	47.871	4.3	104	0.00
23 T	Vinyl Acetate	250.000	245.878	1.6	105	0.00
24 P	1,1-Dichloroethane	50.000	48.127	3.7	104	0.00
25 T	2-Butanone	250.000	245.064	2.0	103	0.00
26 T	2,2-Dichloropropane	50.000	48.558	2.9	107	0.00
27 T	cis-1,2-Dichloroethene	50.000	48.244	3.5	106	0.00
28 T	Bromochloromethane	50.000	51.325	-2.7	104	0.00
29 T	Tetrahydrofuran	250.000	234.962	6.0	102	0.00
30 C	Chloroform	50.000	48.304	3.4#	105	0.00
31 T	Cyclohexane	50.000	50.739	-1.5	105	0.00
32 T	1,1,1-Trichloroethane	50.000	47.188	5.6	104	0.00
33 S	1,2-Dichloroethane-d4	50.000	49.413	1.2	105	0.00
34 I	1,4-Difluorobenzene	50.000	50.000	0.0	103	0.00
35 S	Dibromofluoromethane	50.000	51.913	-3.8	106	0.00
36 T	1,1-Dichloropropene	50.000	50.370	-0.7	107	0.00
37 T	Ethyl Acetate	50.000	51.151	-2.3	100	0.00
38 T	Carbon Tetrachloride	50.000	50.212	-0.4	105	0.00
39 T	Methylcyclohexane	50.000	49.813	0.4	107	0.00
40 TM	Benzene	50.000	49.685	0.6	104	0.00
41 T	Methacrylonitrile	50.000	52.033	-4.1	101	0.00
42 TM	1,2-Dichloroethane	50.000	49.500	1.0	104	0.00
43 T	Isopropyl Acetate	50.000	48.478	3.0	103	0.00
44 TM	Trichloroethene	50.000	49.364	1.3	106	0.00
45 C	1,2-Dichloropropane	50.000	50.494	-1.0#	105	0.00

Data File : VU024505.D
 Acq On : 13 Jun 2018 13:54
 Operator : MD/SY
 Sample : VSTDICV050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Quant Time: Jun 13 17:05:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 13 13:55:26 2018
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
46 T	Dibromomethane	50.000	51.016	-2.0	104	0.00
47 T	Bromodichloromethane	50.000	50.035	-0.1	105	0.00
48 T	Methyl methacrylate	50.000	49.636	0.7	103	0.00
49 T	1,4-Dioxane	1000.000	975.265	2.5	109	0.00
50 S	Toluene-d8	50.000	52.092	-4.2	106	0.00
51 T	4-Methyl-2-Pentanone	250.000	245.208	1.9	103	0.00
52 CM	Toluene	50.000	49.648	0.7#	105	0.00
53 T	t-1,3-Dichloropropene	50.000	52.360	-4.7	108	0.00
54 T	cis-1,3-Dichloropropene	50.000	50.126	-0.3	105	0.00
55 T	1,1,2-Trichloroethane	50.000	47.676	4.6	104	0.00
56 T	Ethyl methacrylate	50.000	49.467	1.1	105	0.00
57 T	1,3-Dichloropropane	50.000	49.777	0.4	105	0.00
58 T	2-Chloroethyl Vinyl ether	250.000	265.200	-6.1	108	0.00
59 T	2-Hexanone	250.000	243.947	2.4	104	0.00
60 T	Dibromochloromethane	50.000	49.141	1.7	106	0.00
61 T	1,2-Dibromoethane	50.000	49.117	1.8	105	0.00
62 S	4-Bromofluorobenzene	50.000	51.817	-3.6	107	0.00
63 I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64 T	Tetrachloroethene	50.000	49.749	0.5	104	0.00
65 PM	Chlorobenzene	50.000	49.880	0.2	106	0.00
66 T	1,1,1,2-Tetrachloroethane	50.000	48.724	2.6	105	0.00
67 C	Ethyl Benzene	50.000	49.512	1.0#	106	0.00
68 T	m/p-Xylenes	100.000	100.161	-0.2	107	0.00
69 T	o-Xylene	50.000	49.261	1.5	106	0.00
70 T	Styrene	50.000	49.697	0.6	105	0.00
71 P	Bromoform	50.000	48.596	2.8	106	0.00
72 I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	106	0.00
73 T	Isopropylbenzene	50.000	48.575	2.8	106	0.00
74 T	N-amyl acetate	50.000	47.957	4.1	104	0.00
75 P	1,1,2,2-Tetrachloroethane	50.000	46.621	6.8	104	0.00
76 T	1,2,3-Trichloropropane	50.000	51.916	-3.8	112	0.00
77 T	Bromobenzene	50.000	48.711	2.6	106	0.00
78 T	n-propylbenzene	50.000	49.662	0.7	107	0.00
79 T	2-Chlorotoluene	50.000	49.452	1.1	108	0.00
80 T	1,3,5-Trimethylbenzene	50.000	48.483	3.0	107	0.00
81 T	trans-1,4-Dichloro-2-butene	50.000	49.834	0.3	109	0.00
82 T	4-Chlorotoluene	50.000	49.687	0.6	107	0.00
83 T	tert-Butylbenzene	50.000	48.356	3.3	106	0.00
84 T	1,2,4-Trimethylbenzene	50.000	49.301	1.4	107	0.00
85 T	sec-Butylbenzene	50.000	49.364	1.3	107	0.00
86 T	p-Isopropyltoluene	50.000	50.129	-0.3	109	0.00
87 T	1,3-Dichlorobenzene	50.000	49.777	0.4	108	0.00
88 T	1,4-Dichlorobenzene	50.000	50.588	-1.2	110	0.00
89 T	n-Butylbenzene	50.000	52.728	-5.5	111	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061318\
Evaluate Continuing Calibration Report

Data File : VU024505.D
Acq On : 13 Jun 2018 13:54
Operator : MD/SY
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Quant Time: Jun 13 17:05:41 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
90 T	Hexachloroethane	50.000	48.065	3.9	108	0.00
91 T	1,2-Dichlorobenzene	50.000	48.826	2.3	107	0.00
92 T	1,2-Dibromo-3-Chloropropane	50.000	49.536	0.9	104	0.00
93 T	1,2,4-Trichlorobenzene	50.000	58.374	-16.7	113	0.00
94 T	Hexachlorobutadiene	50.000	52.115	-4.2	112	0.00
95 T	Naphthalene	50.000	54.677	-9.4	114	0.00
96 T	1,2,3-Trichlorobenzene	50.000	58.045	-16.1	111	0.00

(#) = Out of Range

SPCC's out = 0 CCC's out = 6