

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)
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

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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

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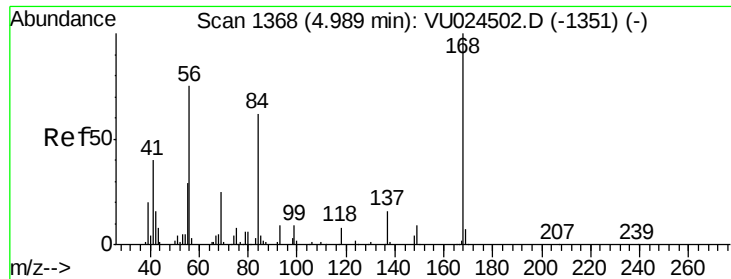
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.51	180	239248	58.374	ug/l	99
94) Hexachlorobutadiene	13.70	225	120222	52.115	ug/l	99
95) Naphthalene	13.74	128	742748	54.677	ug/l	99
96) 1,2,3-Trichlorobenzene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

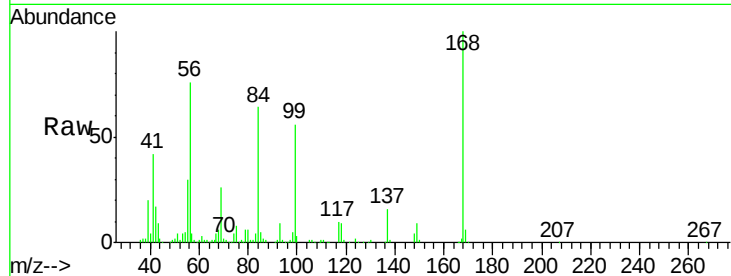
99 55.3 43.2 64.8

Manual Integrations

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

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

100000

80000

60000

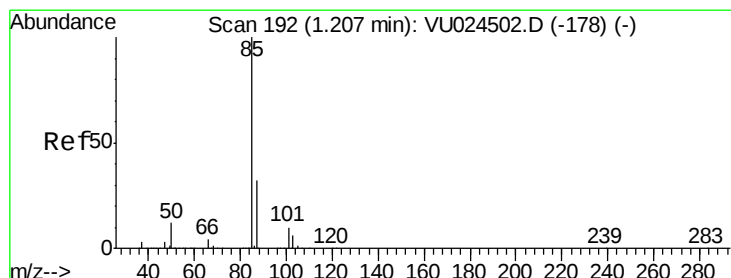
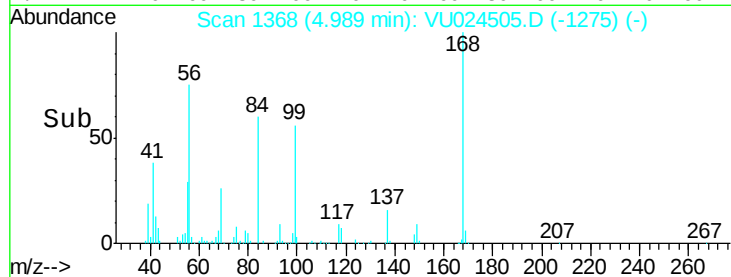
40000

20000

0

4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 48.532 ug/l

RT: 1.21 min Scan# 192

Delta R.T. -0.00 min

Lab File: VU024505.D

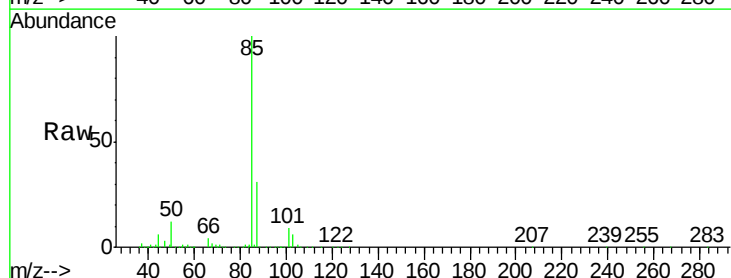
Acq: 13 Jun 2018 13:54

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) (-)

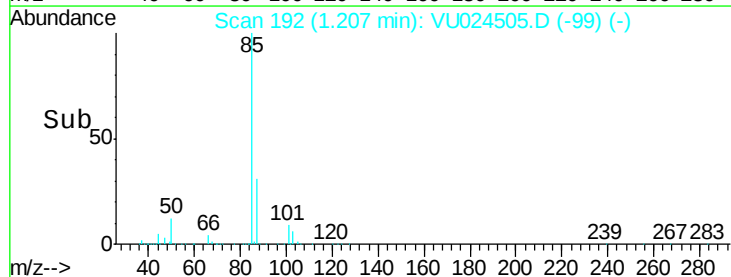
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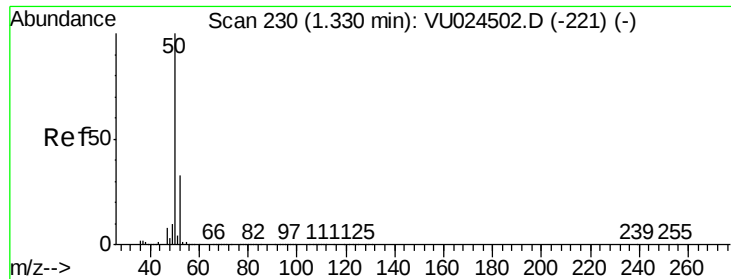
50000

0

1.15 1.20 1.25 1.30

Time-->





#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

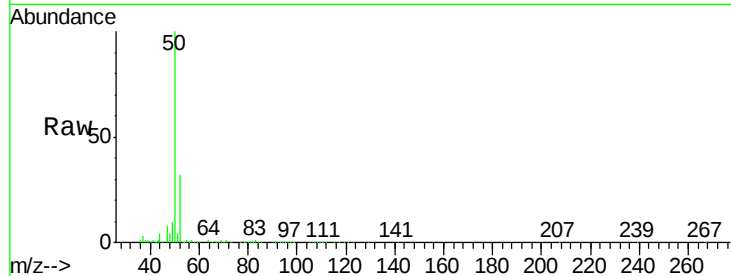
52 32.0 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0

1.33

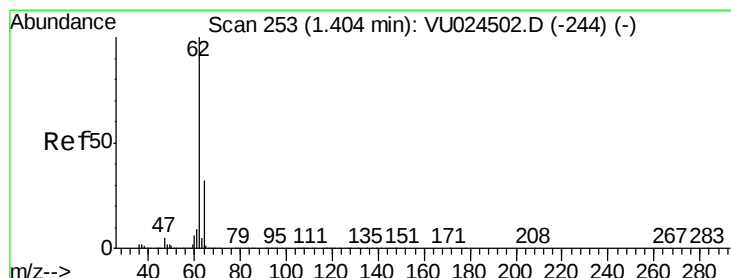
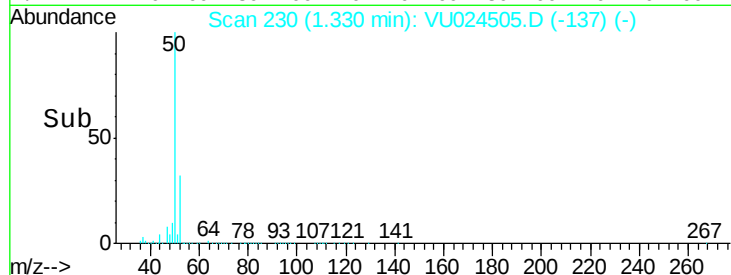
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 48.462 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024505.D

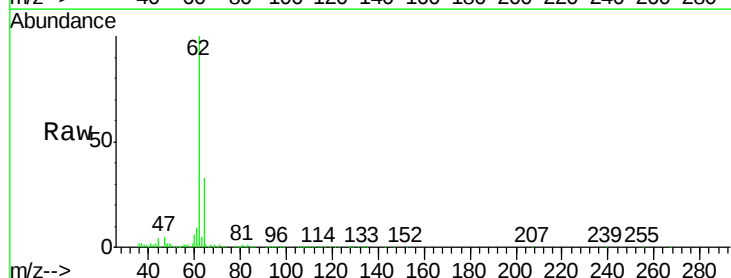
Acq: 13 Jun 2018 13:54

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

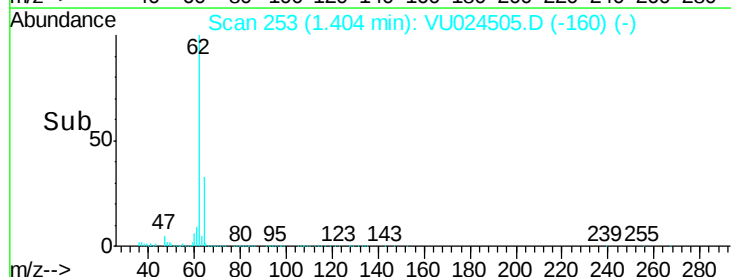
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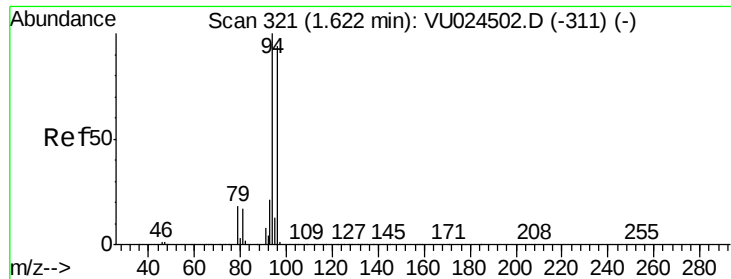
100000

50000

0

Time-->





#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

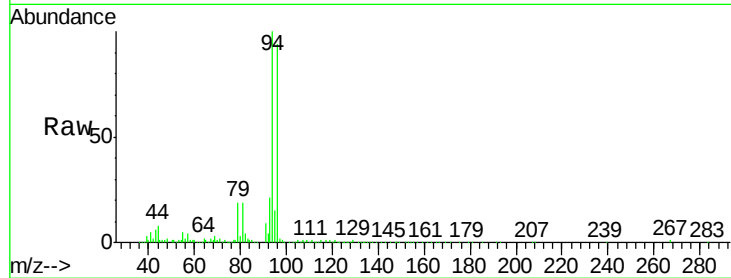
96 93.3 74.5 111.7

Manual Integrations

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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

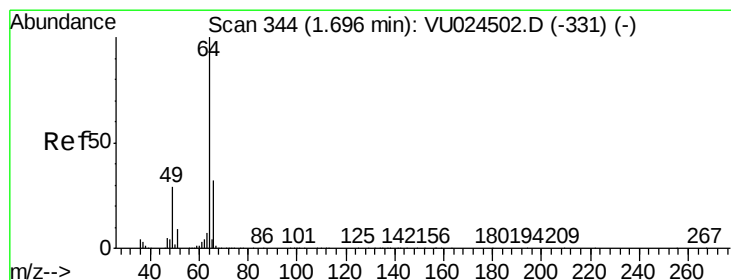
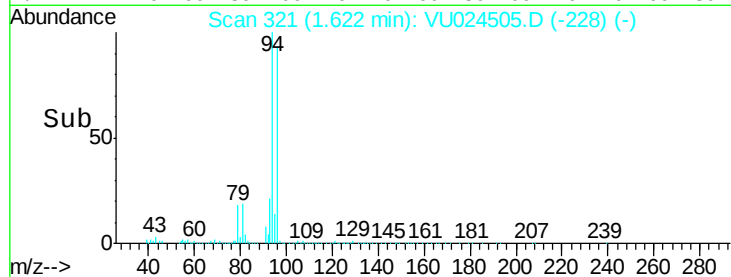
60000

40000

20000

0

Time--> 1.55 1.60 1.65 1.70



#6

Chloroethane

Concen: 50.339 ug/l

RT: 1.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VU024505.D

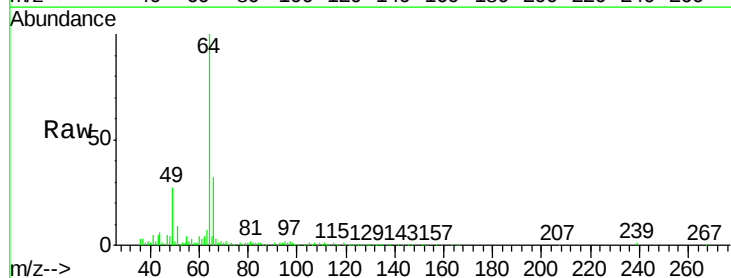
Acq: 13 Jun 2018 13:54

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

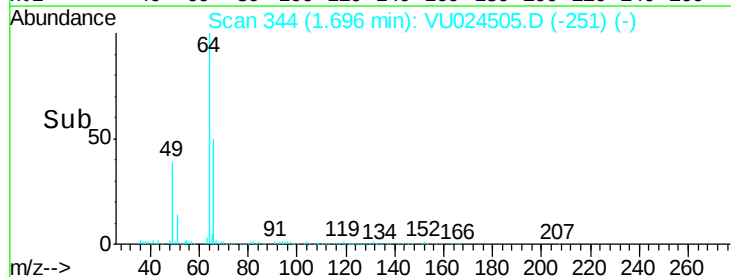
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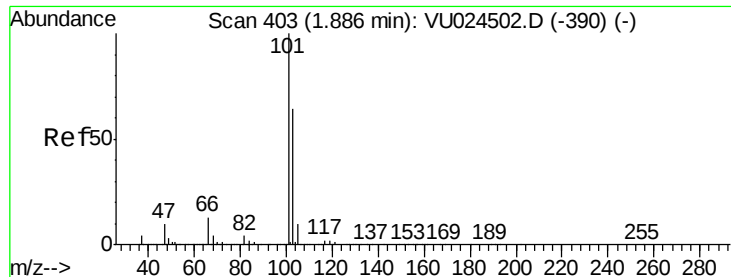
40000

20000

0

Time--> 1.65 1.70 1.75





#7

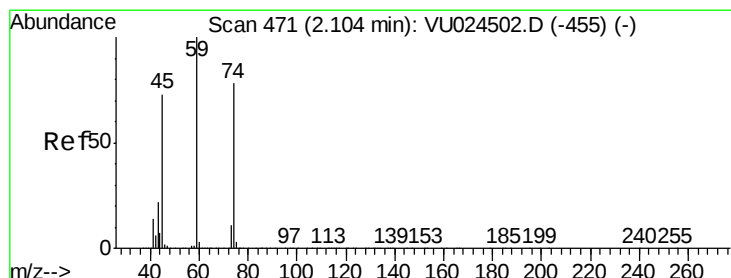
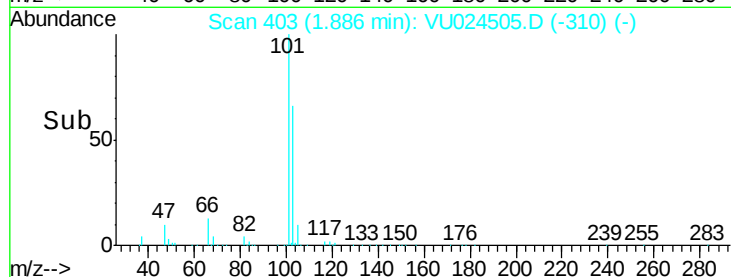
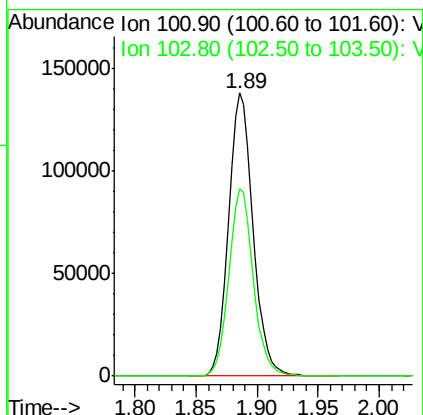
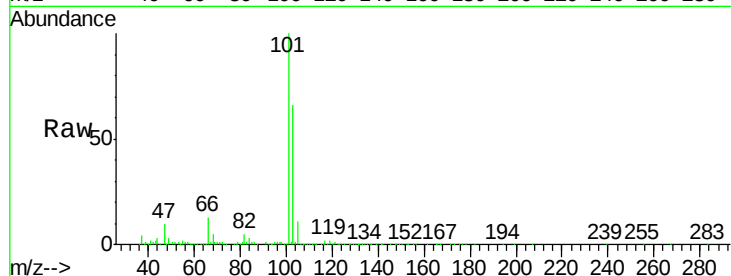
Trichlorofluoromethane
 Concen: 46.221 ug/l
 RT: 1.89 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
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 ClientSampleId :
 ICVVU061318

Tgt Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.3	78.5

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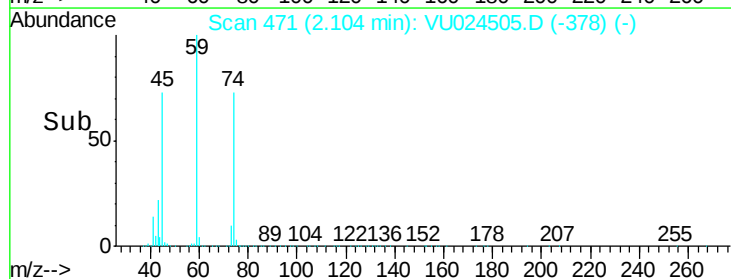
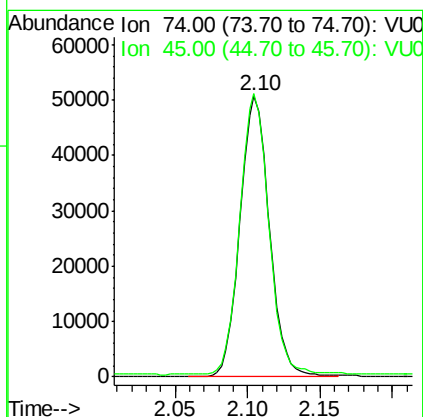
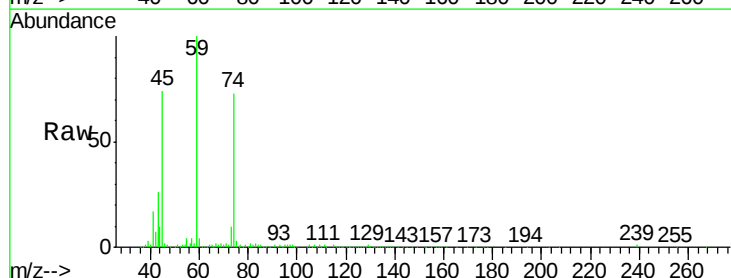
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 6/14/2018 9:44:48 AM



#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

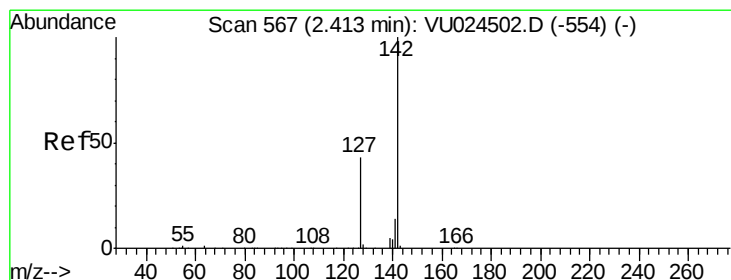
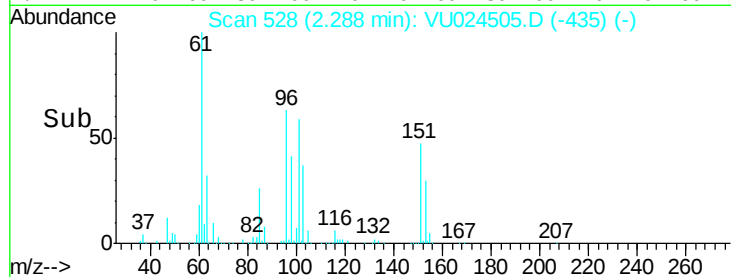
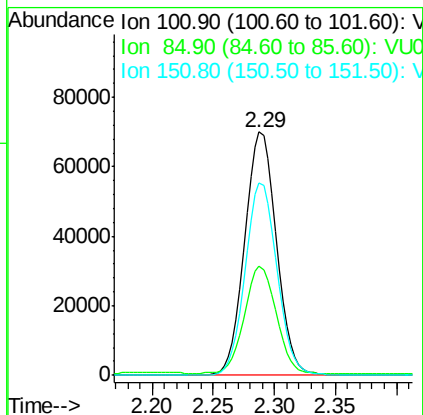
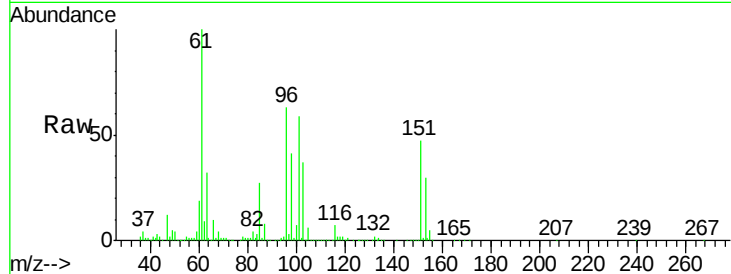
ClientSampleId :

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

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



#10

Methyl Iodide

Concen: 43.041 ug/l

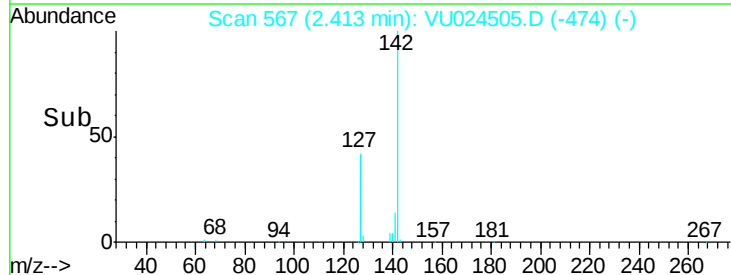
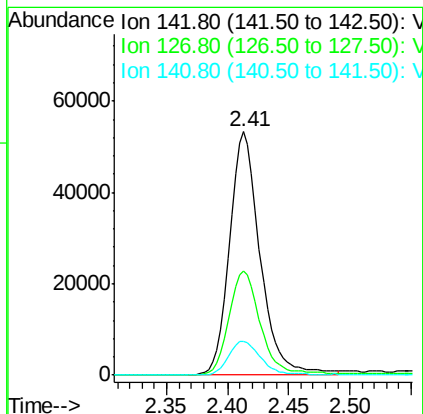
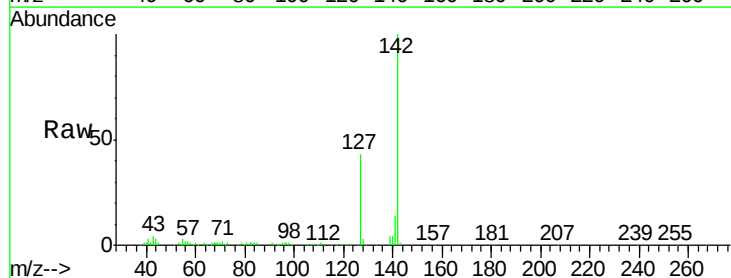
RT: 2.41 min Scan# 567

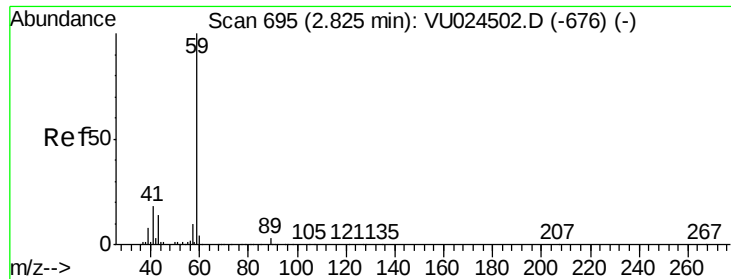
Delta R.T. 0.00 min

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





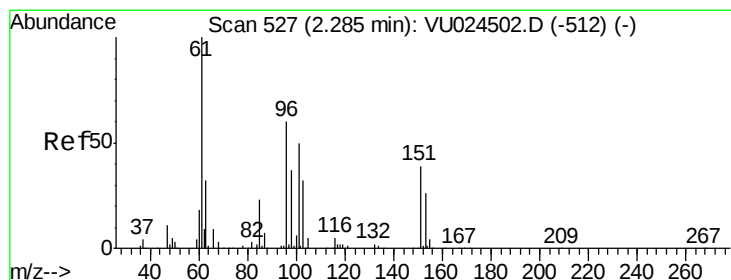
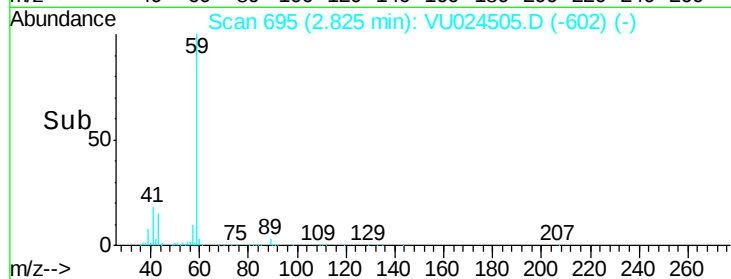
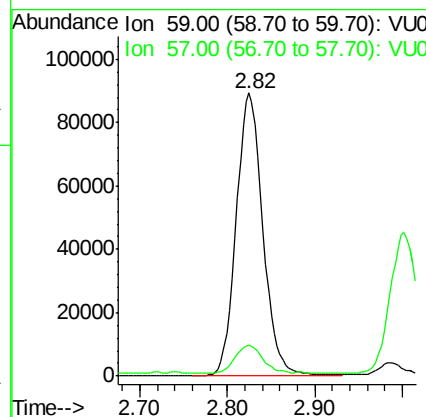
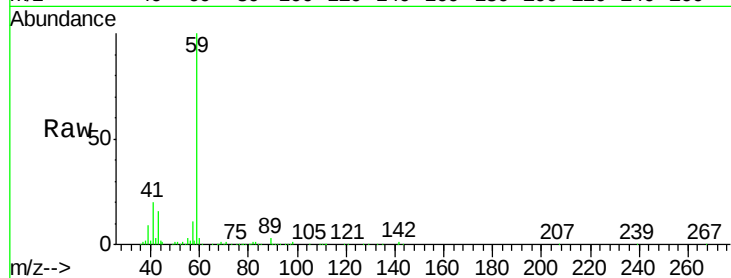
#11
Tert butyl alcohol
Concen: 226.523 ug/l
RT: 2.82 min Scan# 695
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

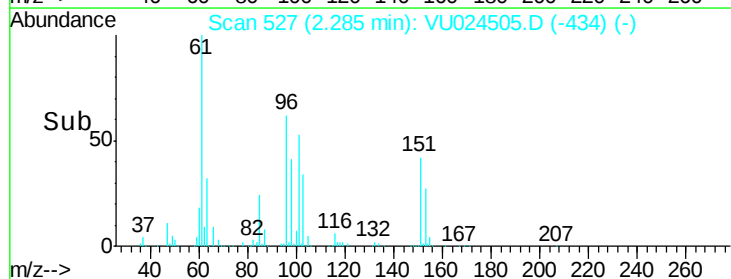
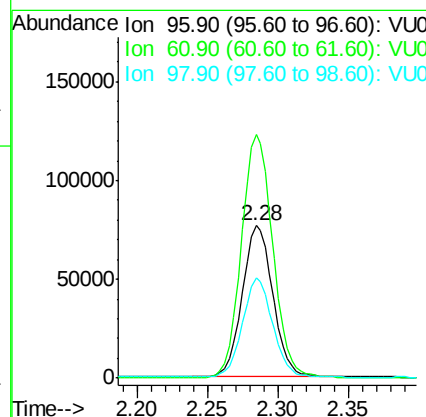
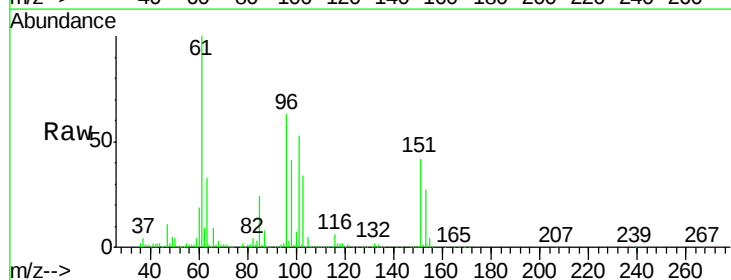
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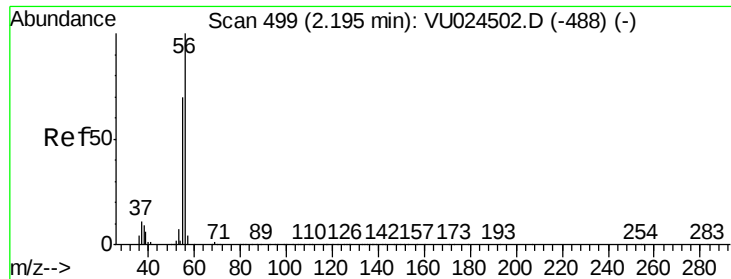
MMDadoda
6/14/2018 9:44:48 AM



#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: 56 Resp: 101463

Ion Ratio Lower Upper

56 100

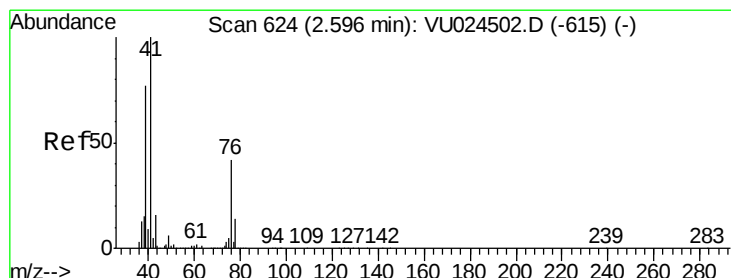
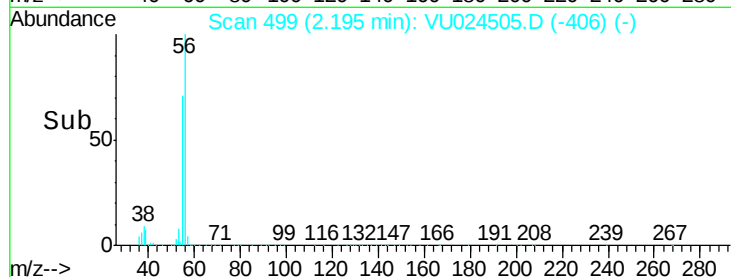
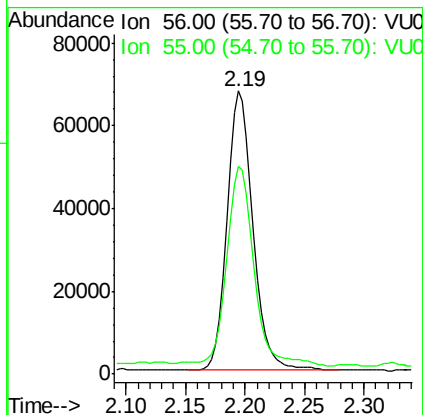
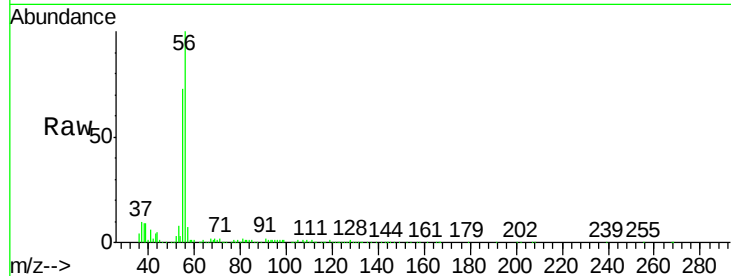
55 75.2 58.4 87.6

Manual Integrations

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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

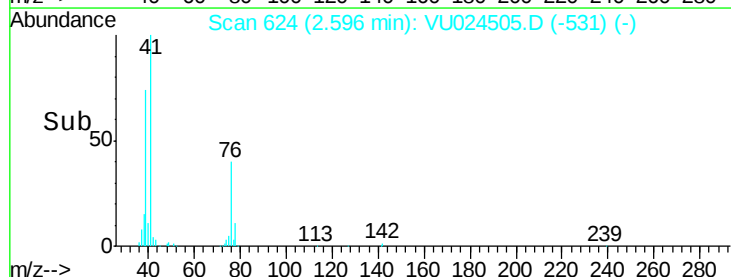
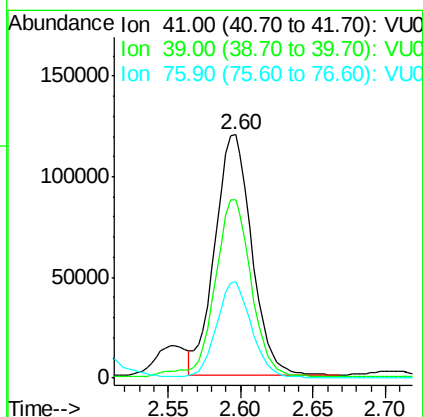
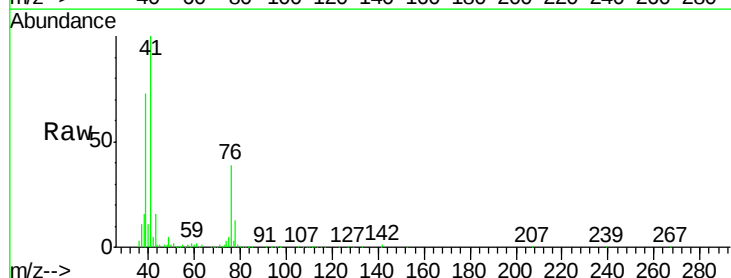
Tgt Ion: 41 Resp: 210200

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

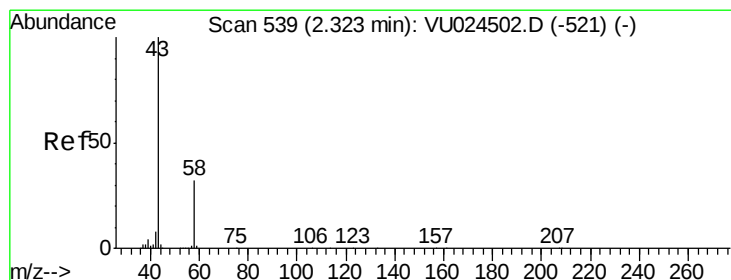
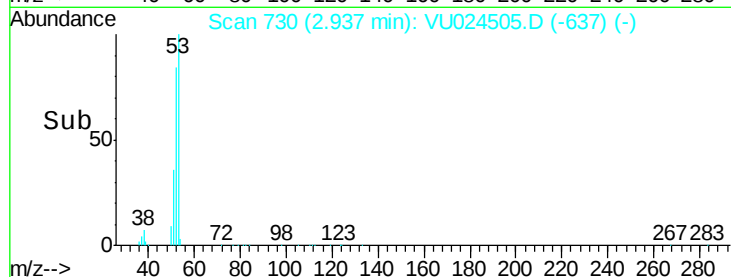
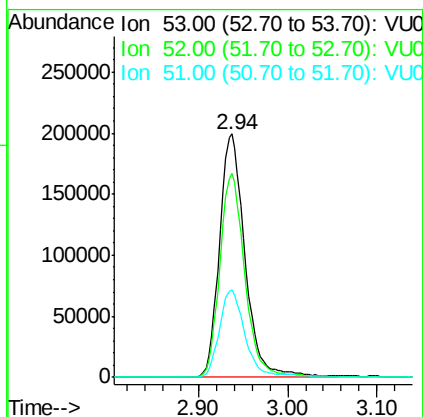
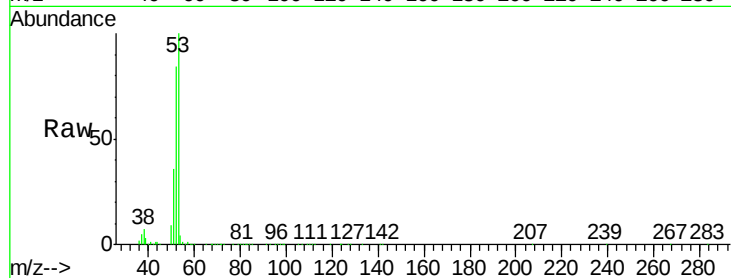
ClientSampleId :

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

Manual Integrations
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#16

Acetone

Concen: 240.533 ug/l

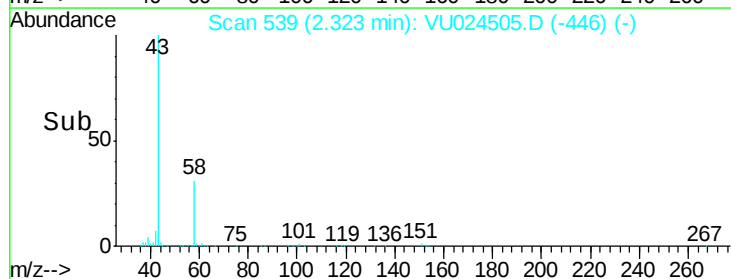
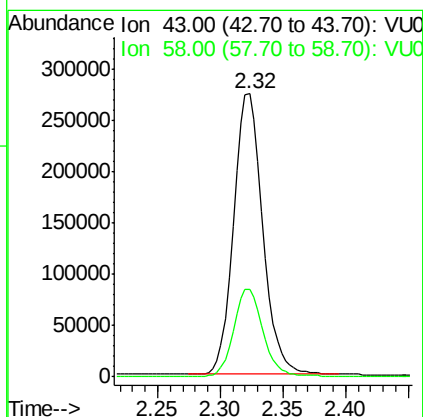
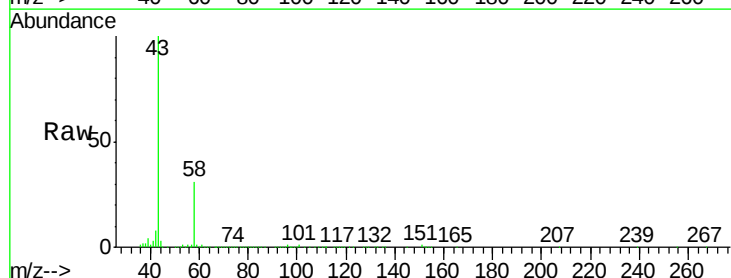
RT: 2.32 min Scan# 539

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





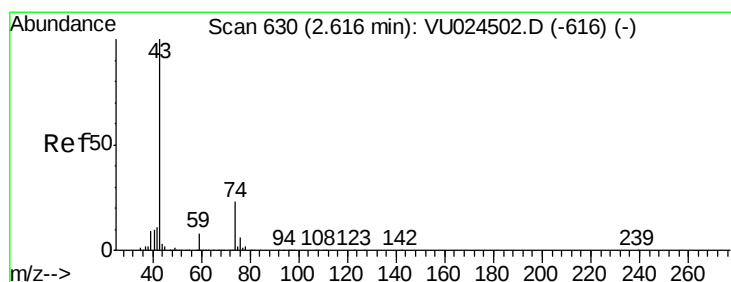
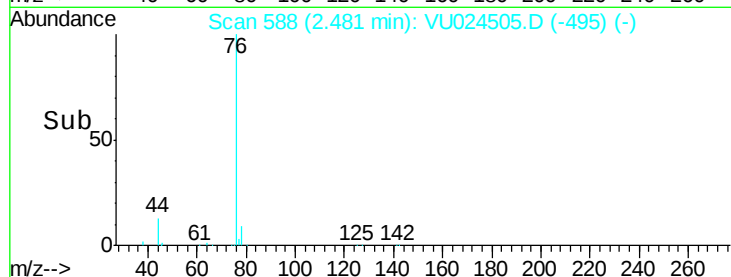
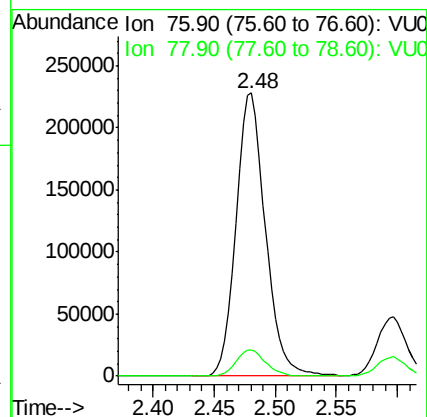
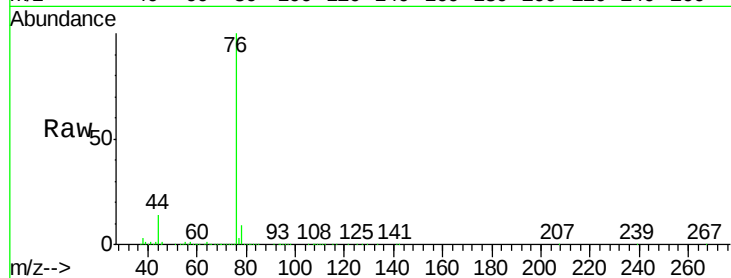
#17
Carbon Disulfide
Concen: 50.132 ug/l
RT: 2.48 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.1	10.7

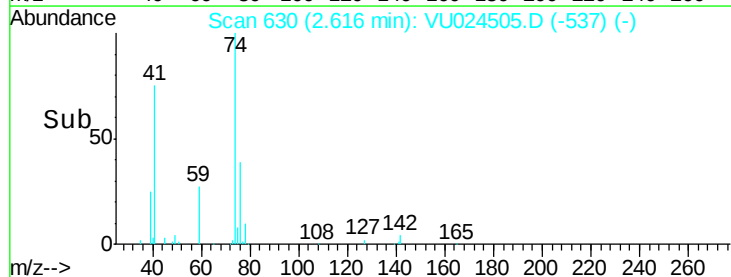
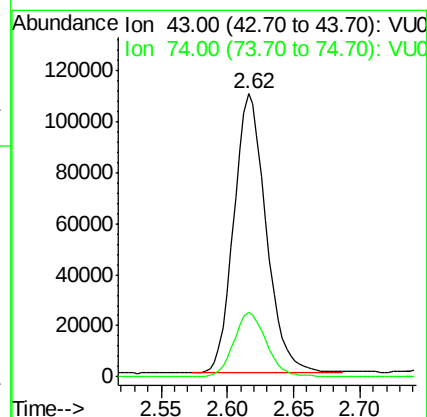
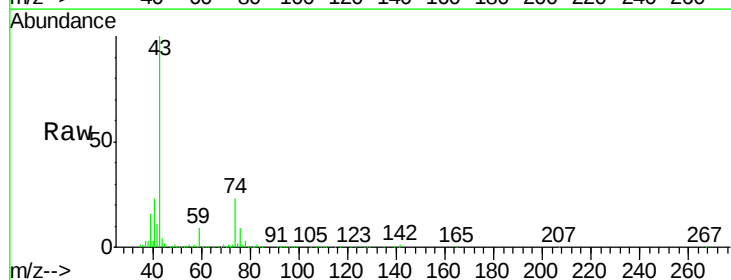
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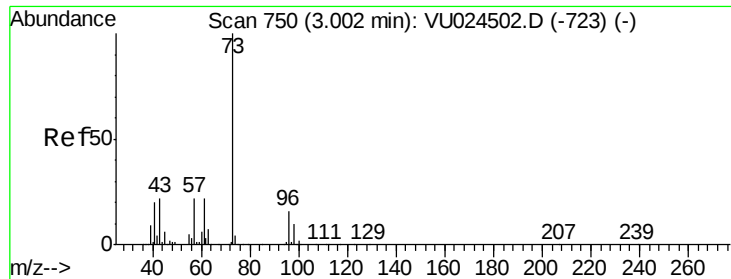
MMDadoda
6/14/2018 9:44:48 AM



#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





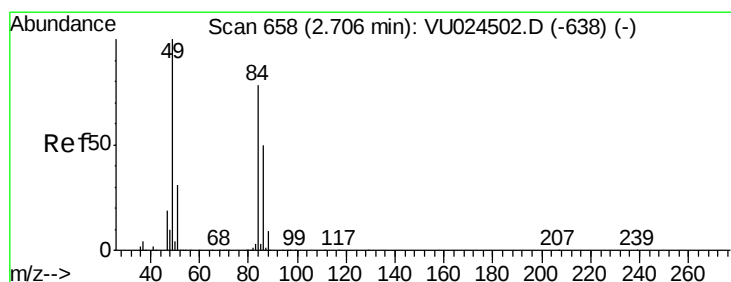
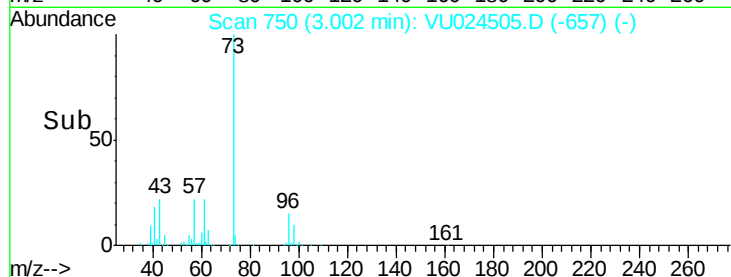
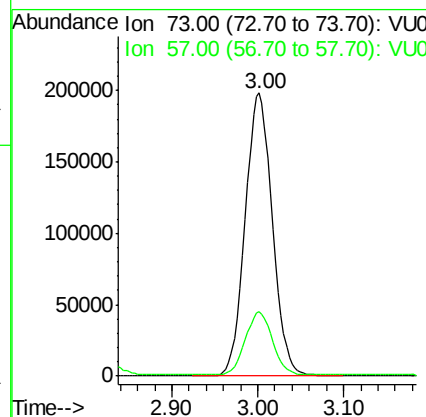
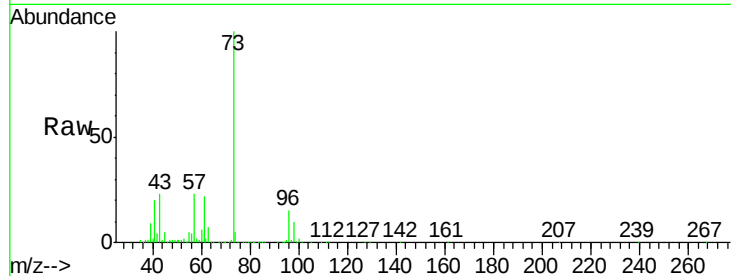
#19
Methyl tert-butyl Ether
Concen: 48.418 ug/l
RT: 3.00 min Scan# 750
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

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

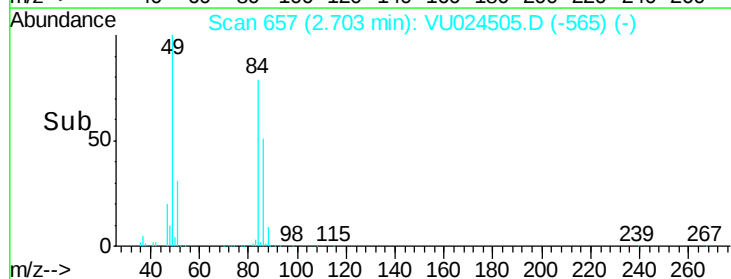
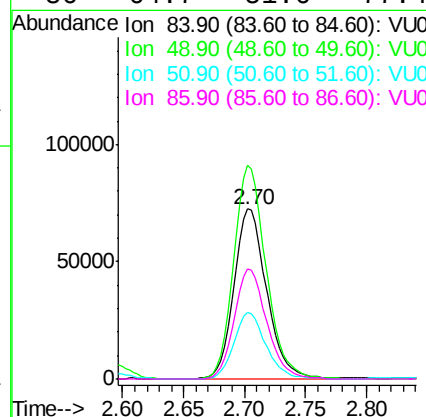
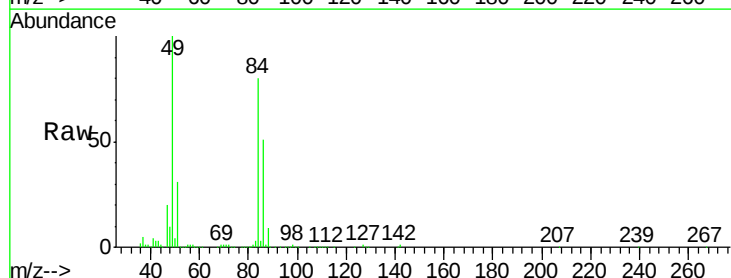
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#20
Methylene Chloride
Concen: 46.729 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

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

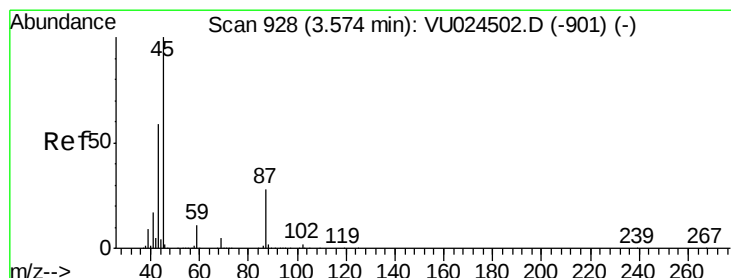
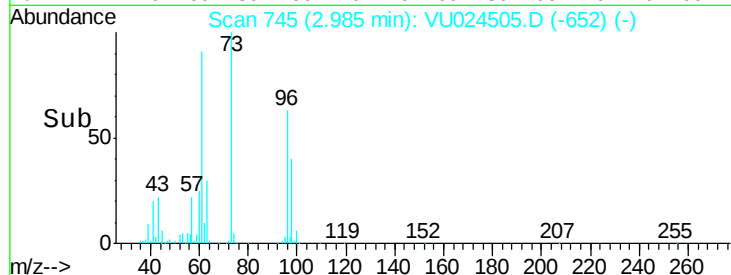
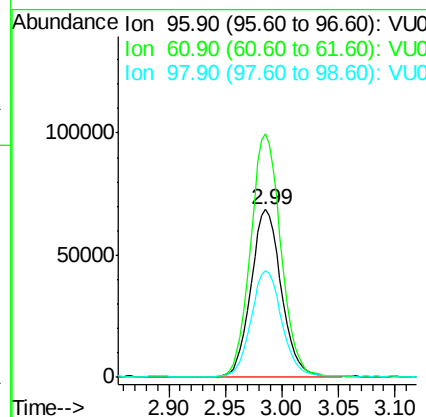
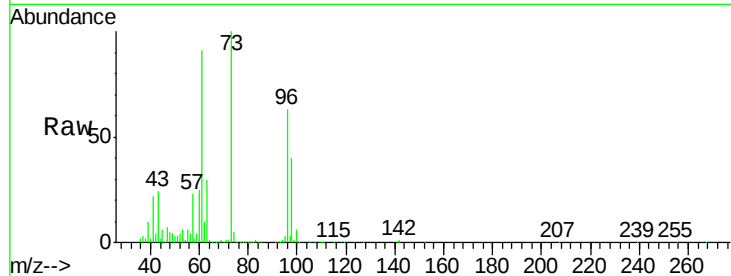
ClientSampleId :

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

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#22

Diisopropyl ether

Concen: 47.871 ug/l

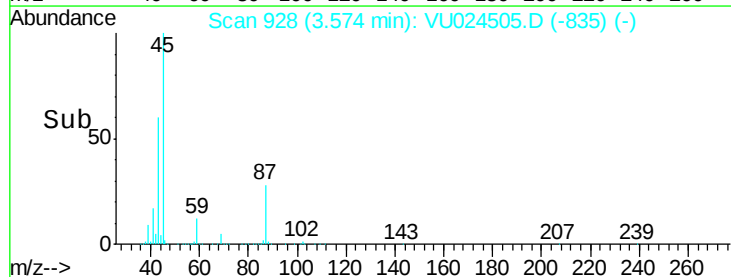
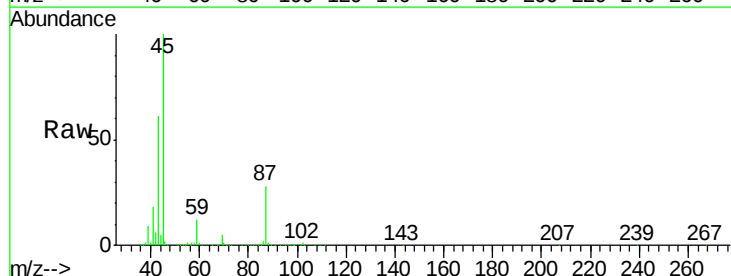
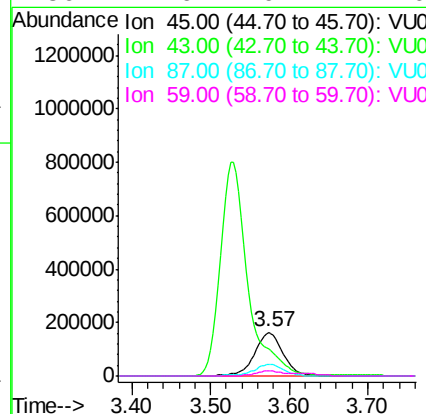
RT: 3.57 min Scan# 928

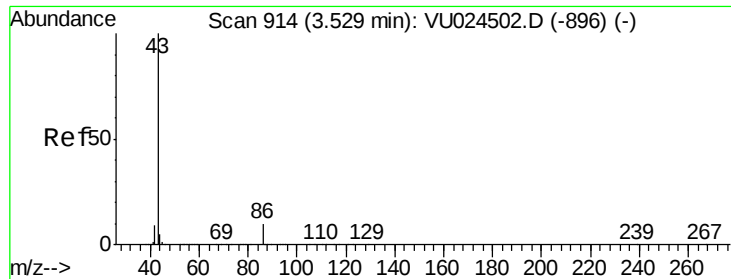
Delta R.T. -0.00 min

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

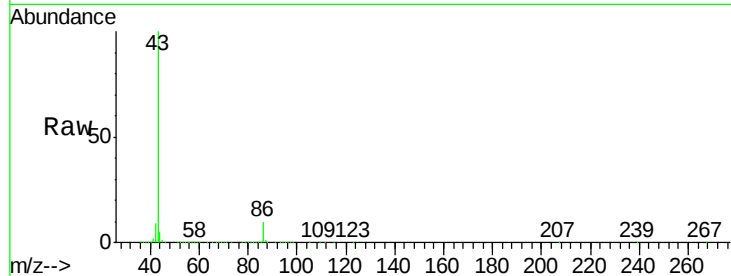
Ion Ratio Lower Upper

43 100

86 10.3 7.8 11.8

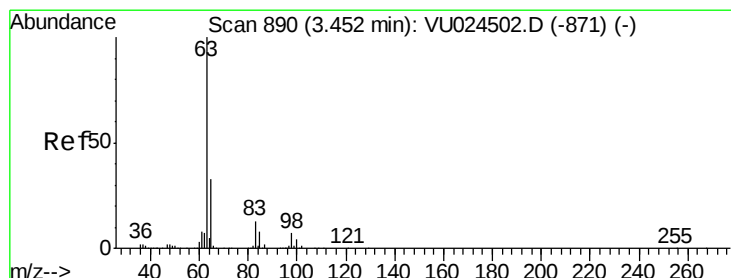
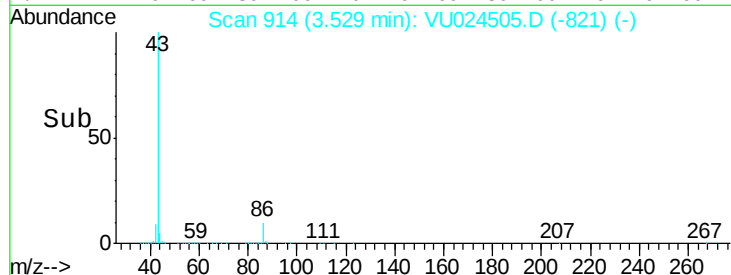
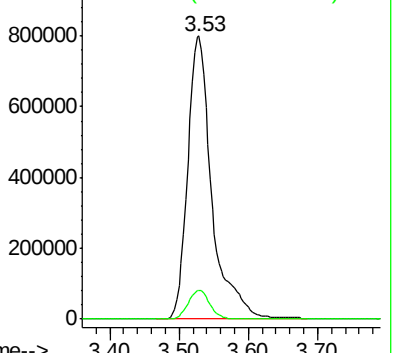
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Abundance Ion 43.00 (42.70 to 43.70): VU0

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

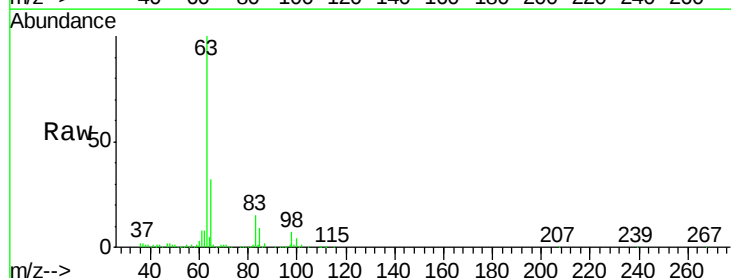
Tgt Ion: 63 Resp: 242928

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

Ion 99.90 (99.60 to 100.60): VU0

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Ion 99.90 (99.60 to 100.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

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Ion 99.90 (99.60 to 100.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

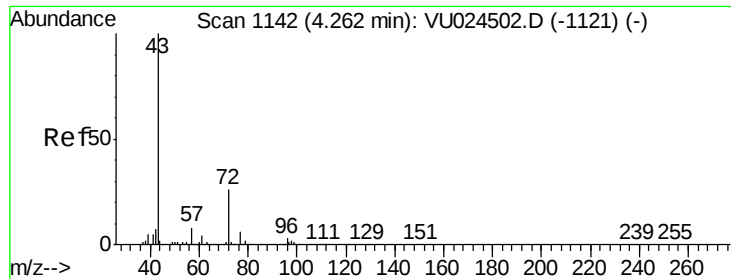
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Ion 99.90 (99.60 to 100.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

Ion 99.90 (99.60 to 100.60): VU0

Ion 99.90 (99.60 to 100.60): VU0



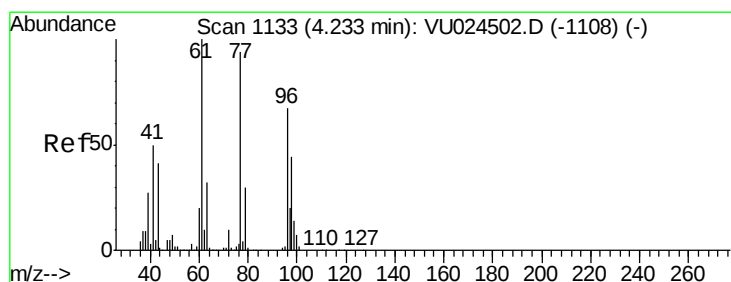
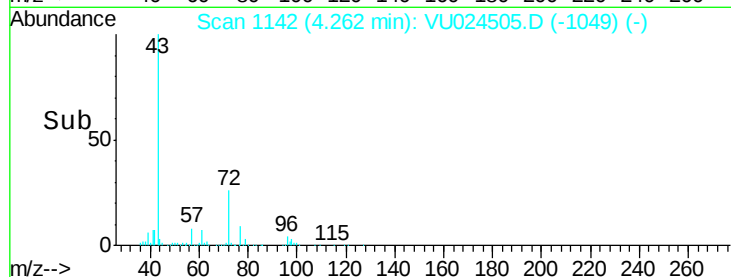
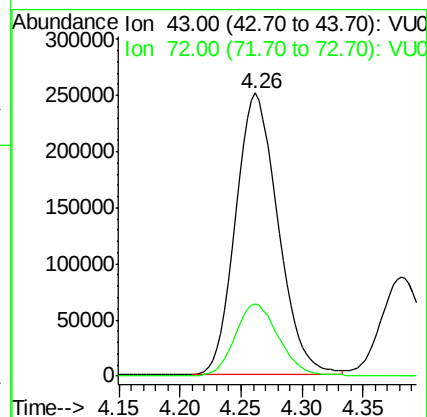
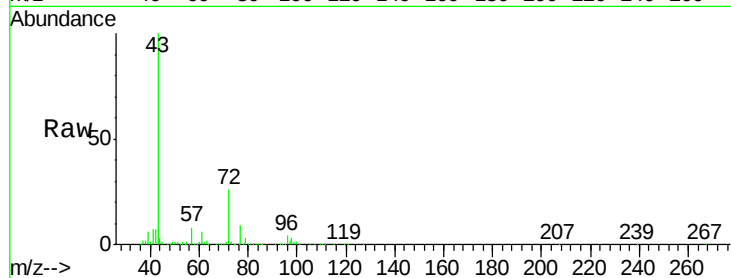
#25
2-Butanone
Concen: 245.064 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

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

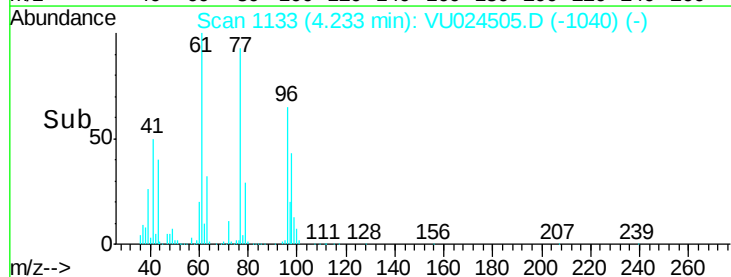
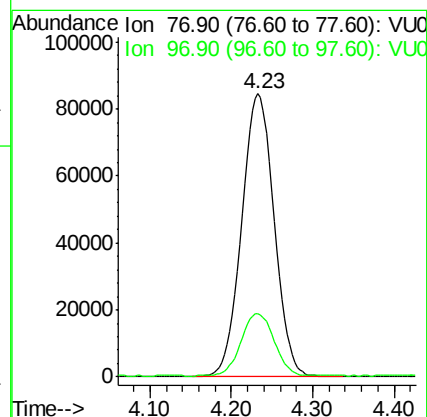
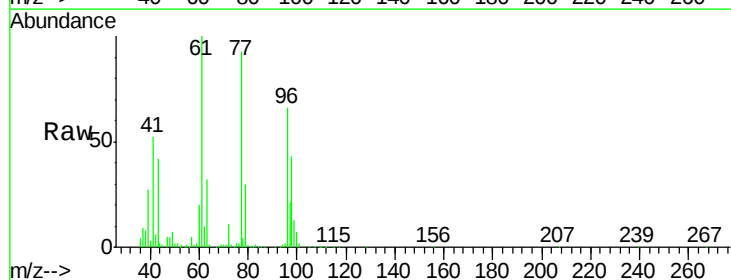
Manual Integrations
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#26
2,2-Dichloropropane
Concen: 48.558 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

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





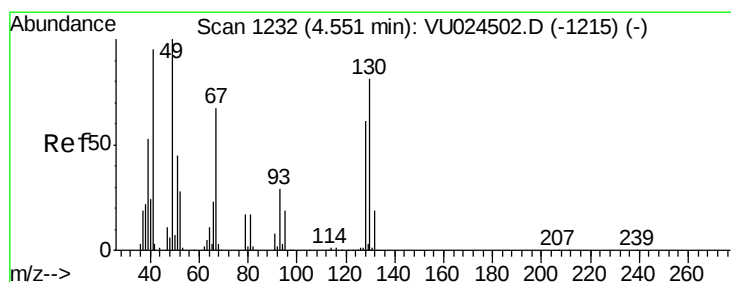
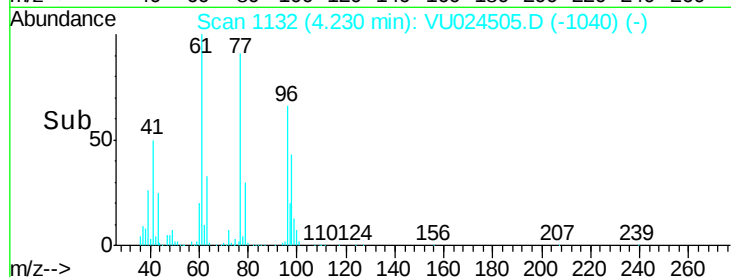
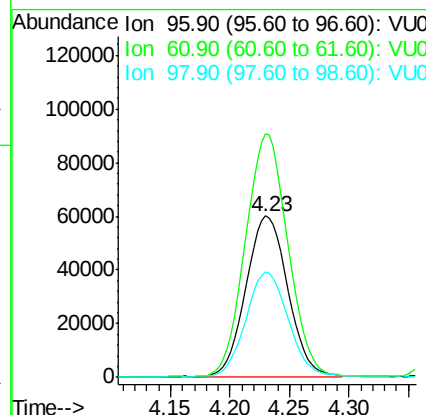
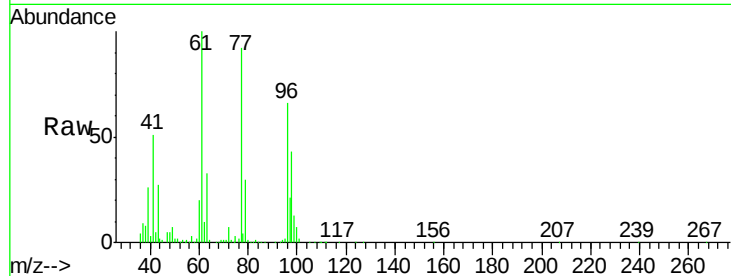
#27
 cis-1,2-Dichloroethene
 Concen: 48.244 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

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

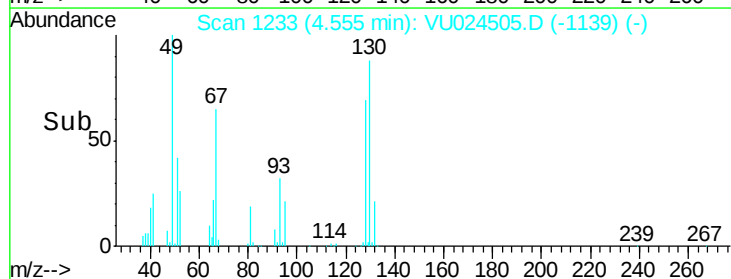
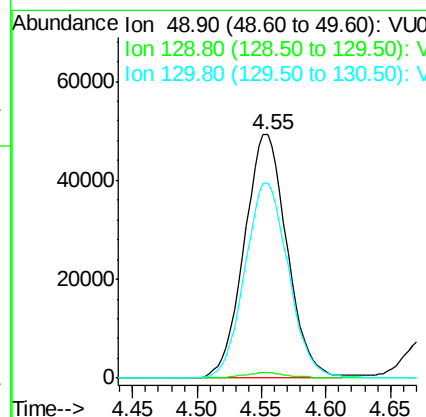
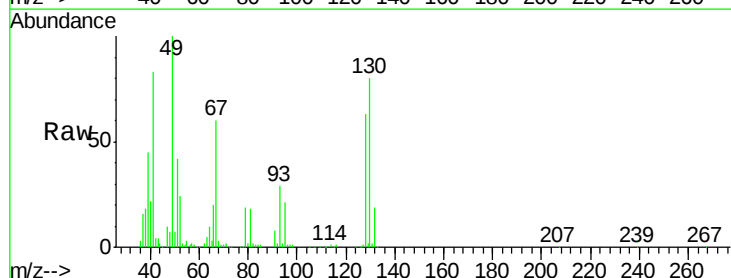
Manual Integrations
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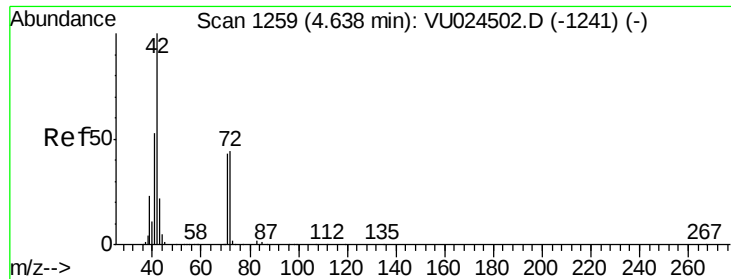
MMDadoda
 6/14/2018 9:44:48 AM



#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	Ratio	Resp	Lower	Upper
49	100	114112		
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

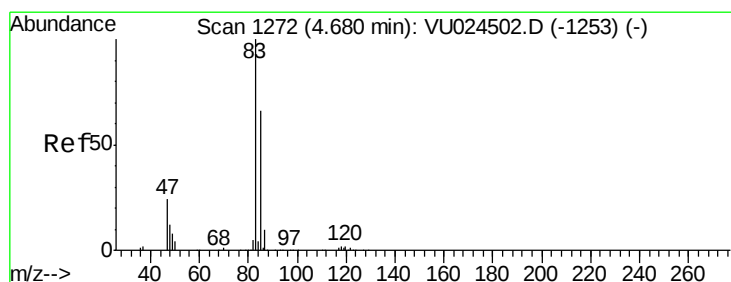
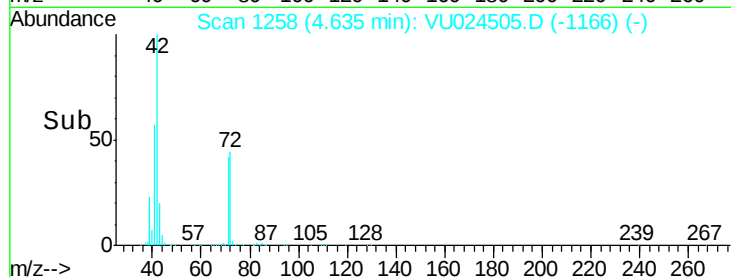
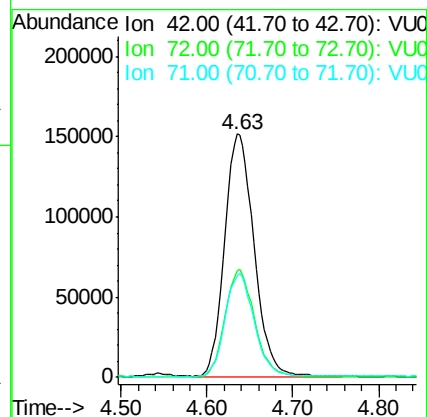
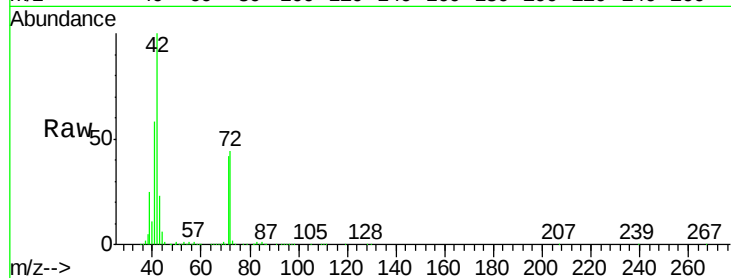
ClientSampleId :

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

Manual Integrations
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#30

Chloroform

Concen: 48.304 ug/l

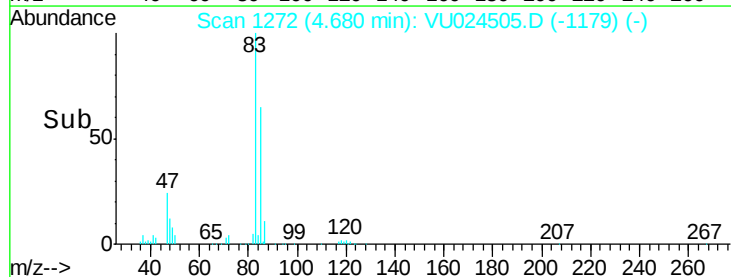
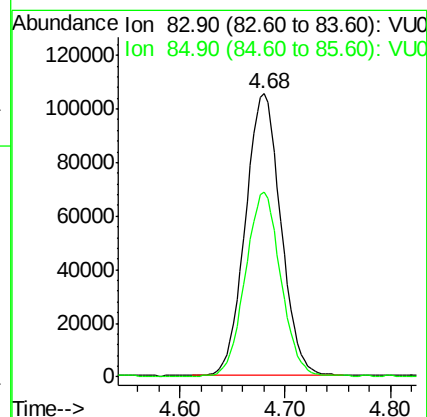
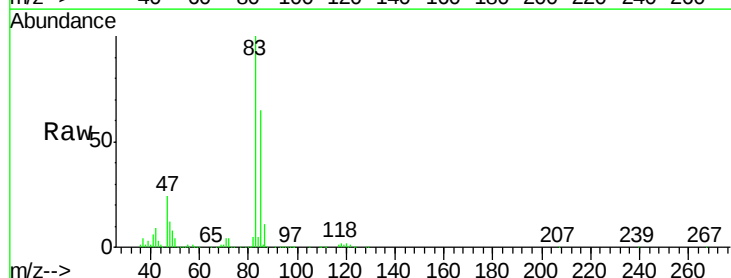
RT: 4.68 min Scan# 1272

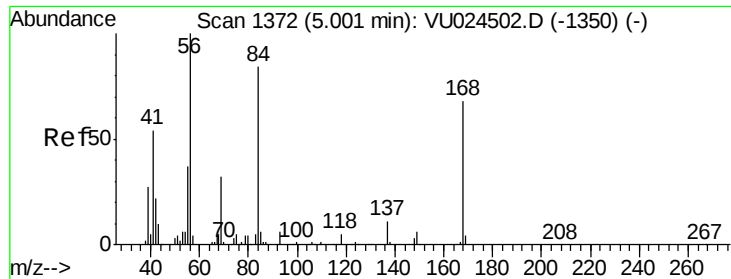
Delta R.T. -0.00 min

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





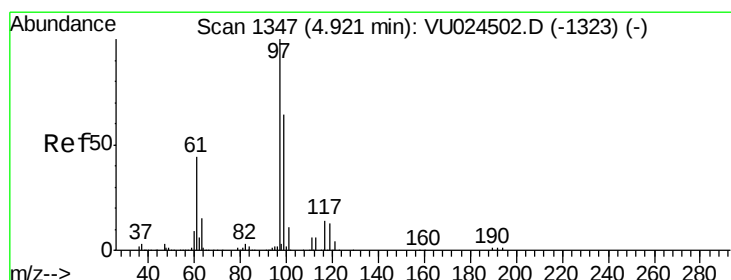
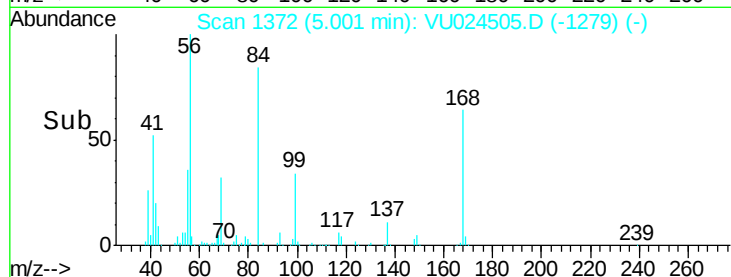
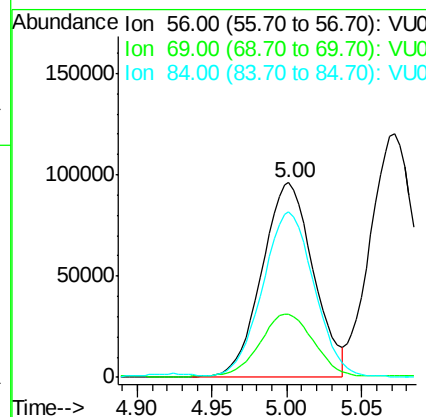
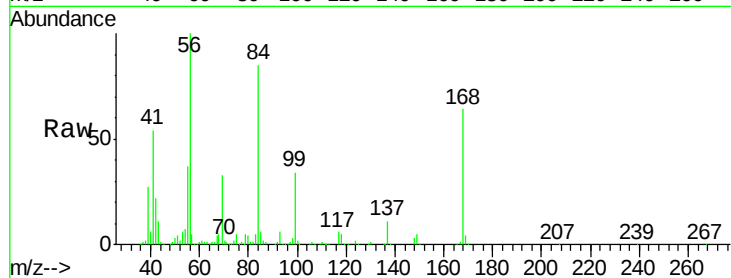
#31
Cyclohexane
Concen: 50.739 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

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

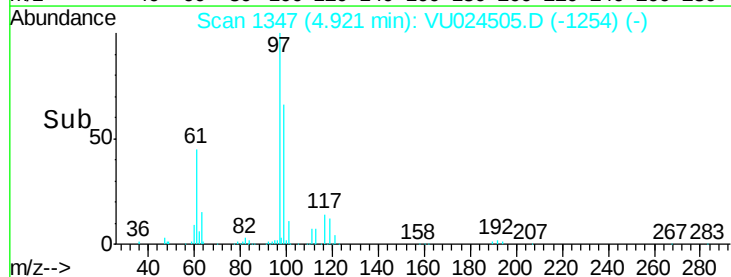
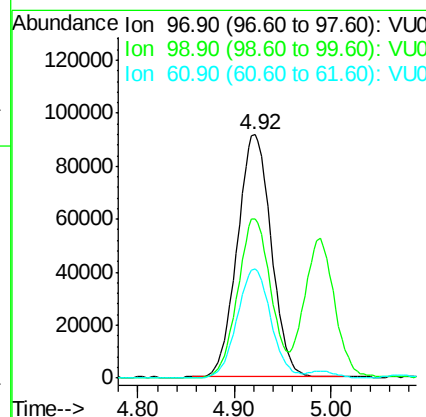
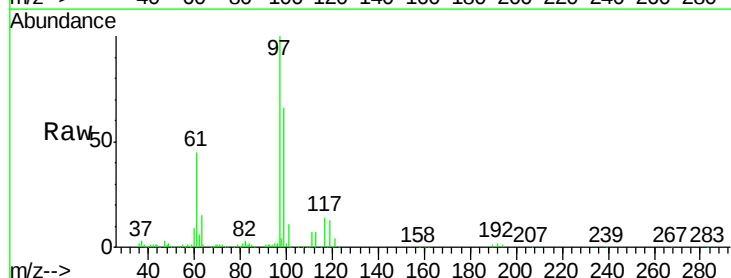
Manual Integrations
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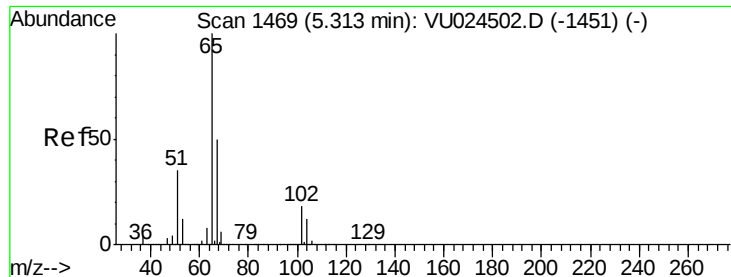
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#32
1,1,1-Trichloroethane
Concen: 47.188 ug/l
RT: 4.92 min Scan# 1347
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

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





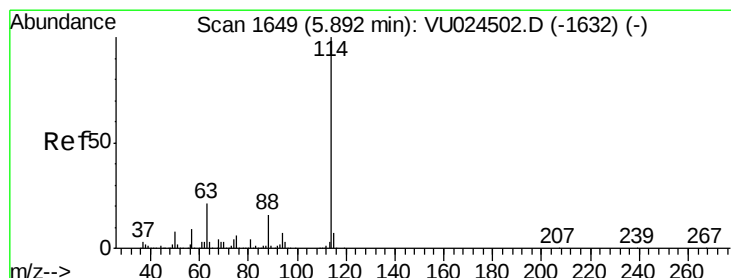
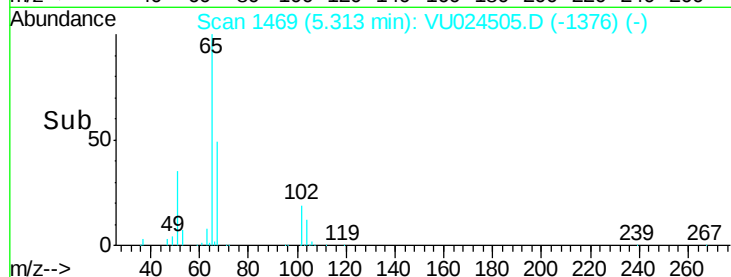
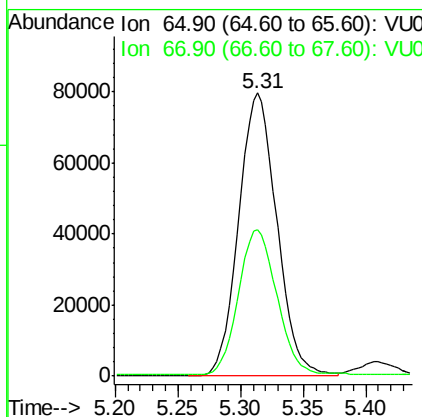
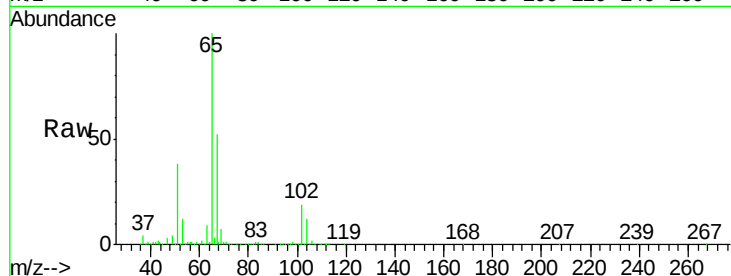
#33
 1,2-Dichloroethane-d4
 Concen: 49.413 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	168888		
67	50.9	0.0	0.0	107.0

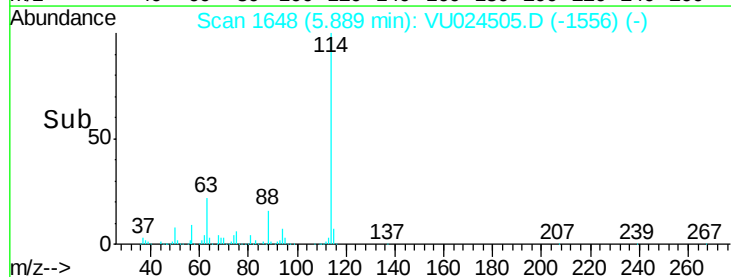
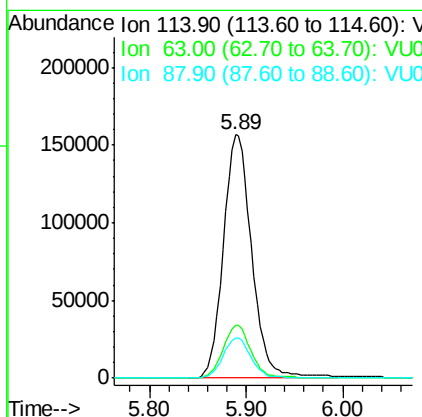
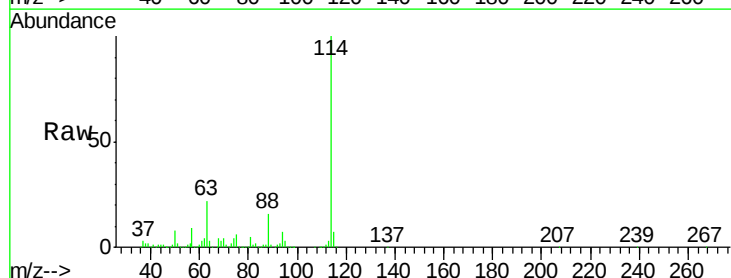
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	320083		
63	21.9	0.0	0.0	45.4
88	16.3	0.0	0.0	31.0





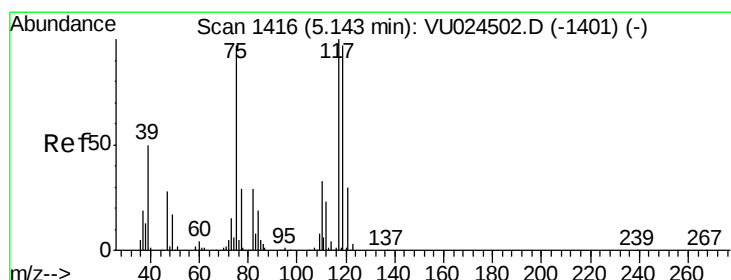
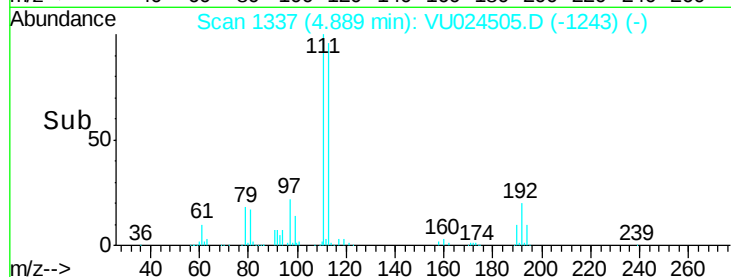
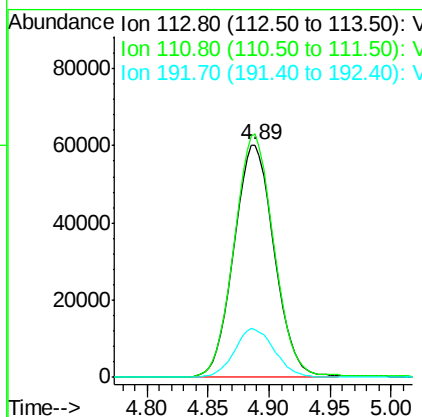
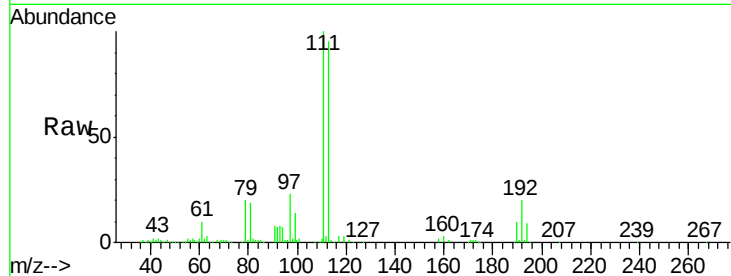
#35
 Dibromofluoromethane
 Concen: 51.913 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

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

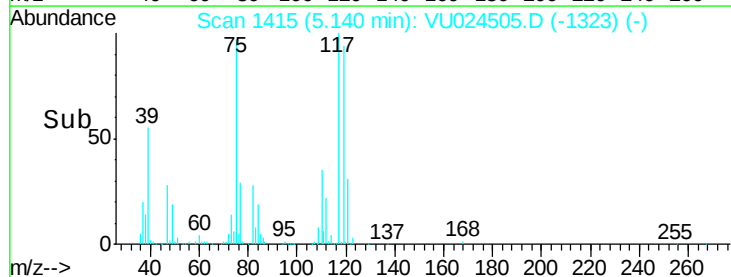
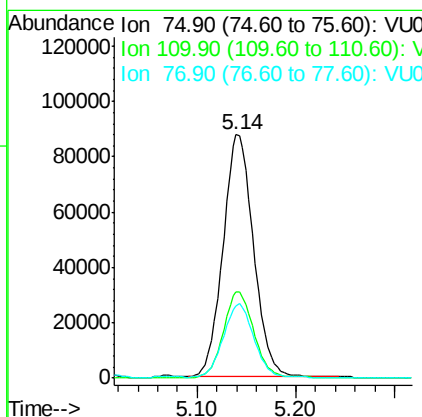
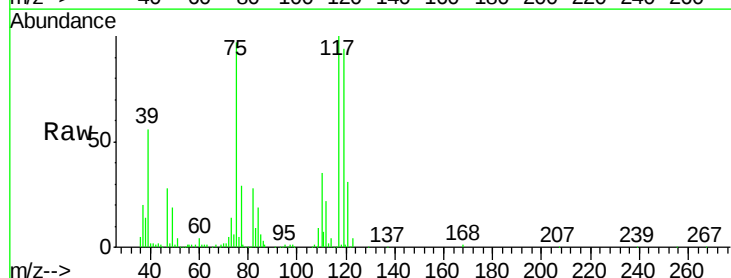
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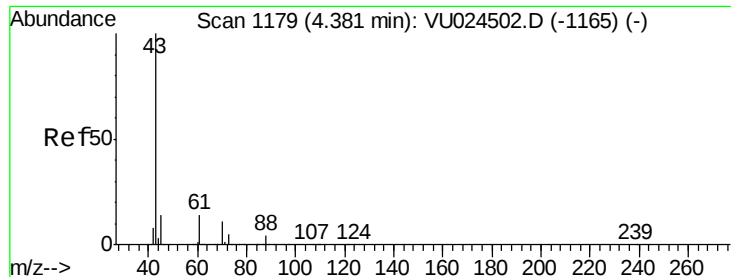
MMDadoda
 6/14/2018 9:44:48 AM



#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	Ratio	Resp	Lower	Upper
75	100	189454		
110	35.2	17.0	50.9	
77	30.0	24.2	36.4	





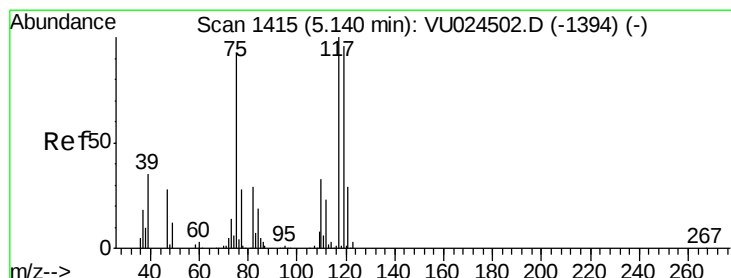
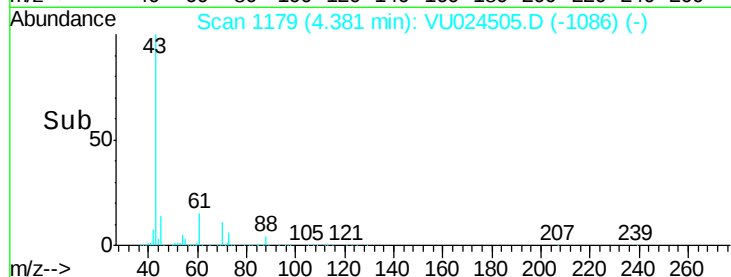
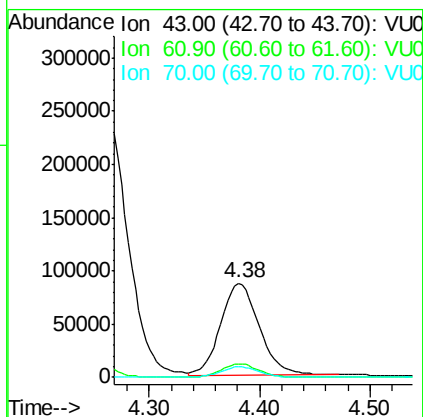
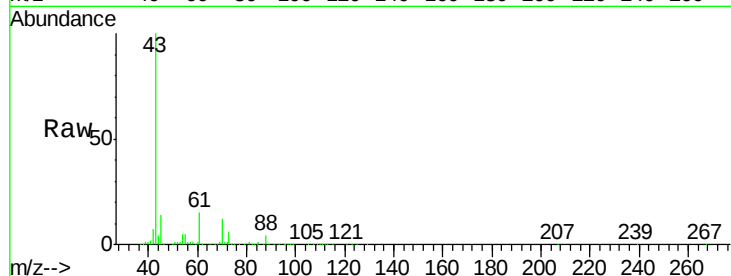
#37
Ethyl Acetate
Concen: 51.151 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

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

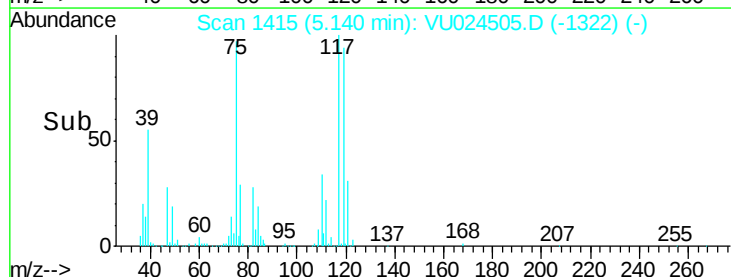
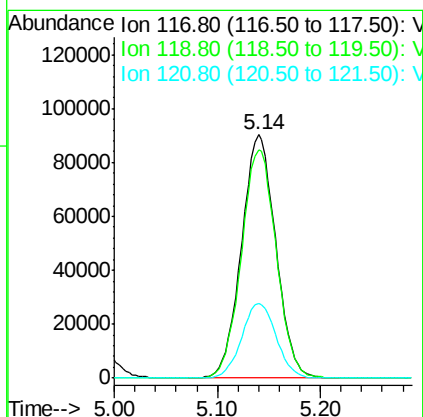
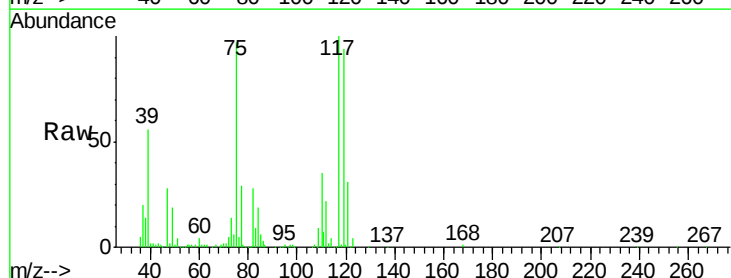
Manual Integrations
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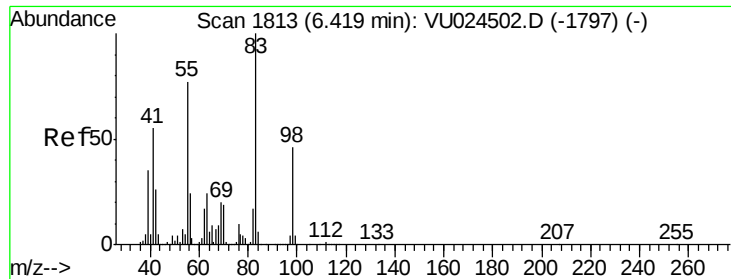
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.212 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

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





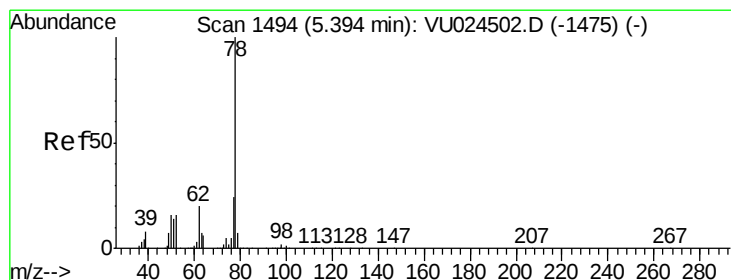
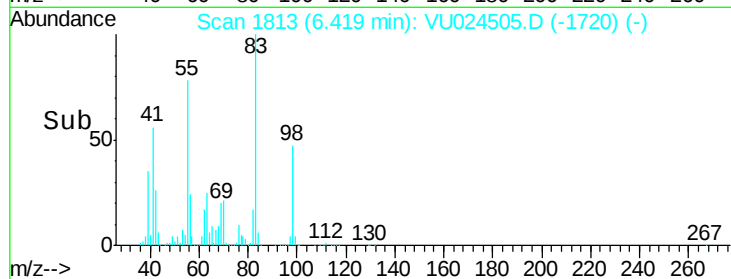
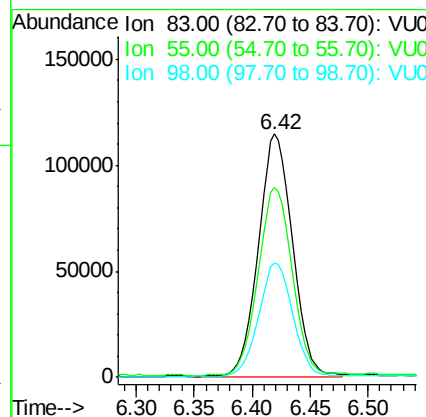
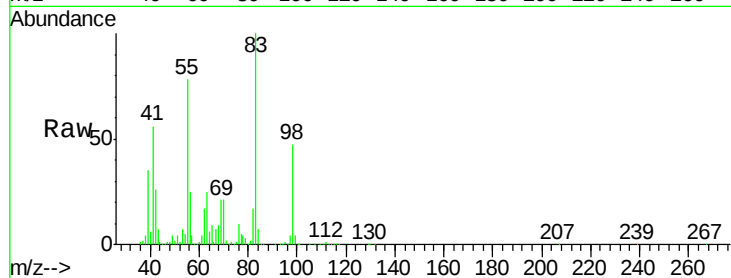
#39
Methylcyclohexane
Concen: 49.813 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

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

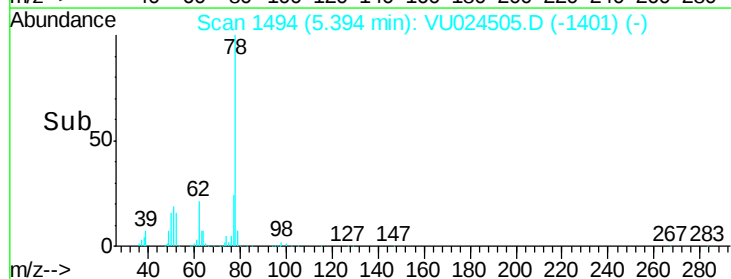
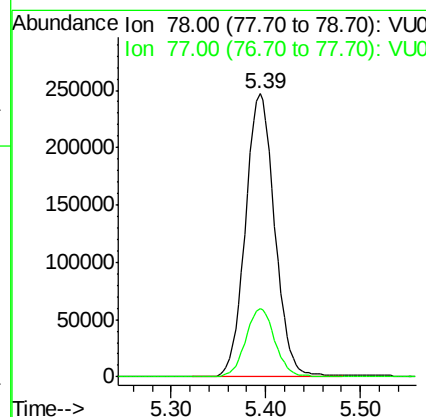
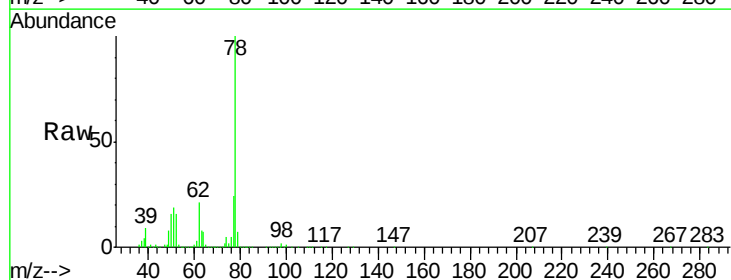
Manual Integrations
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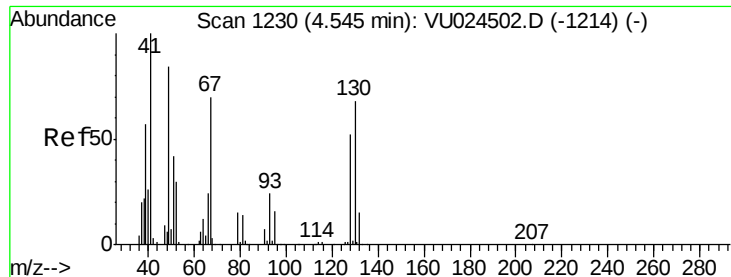
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#40
Benzene
Concen: 49.685 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8





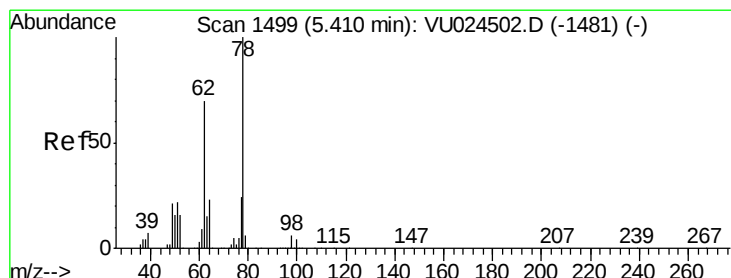
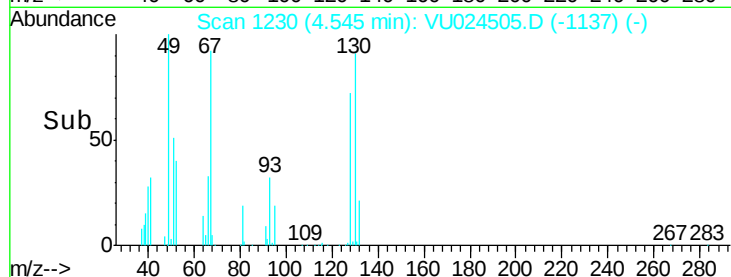
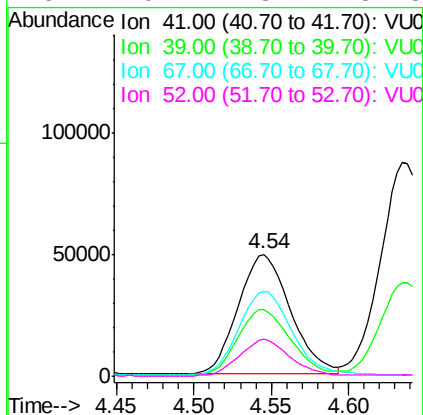
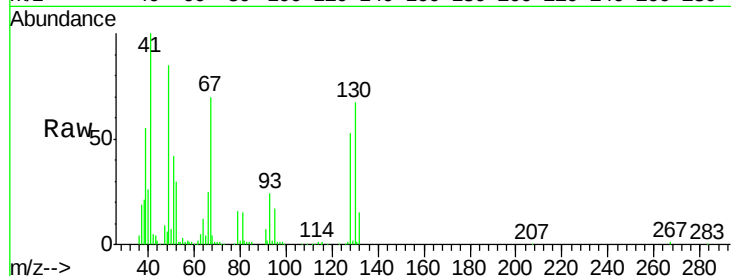
#41
Methacrylonitrile
Concen: 52.033 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

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	

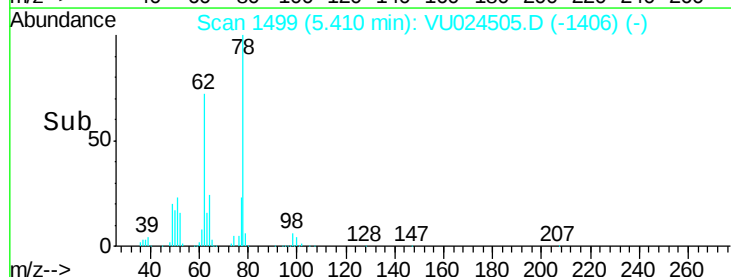
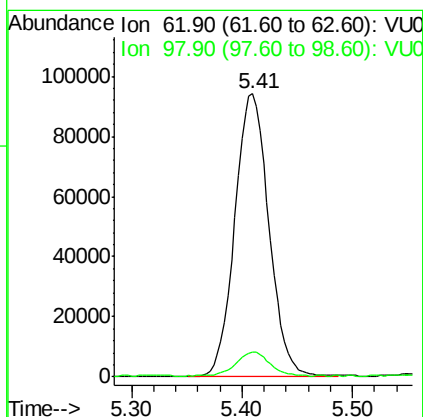
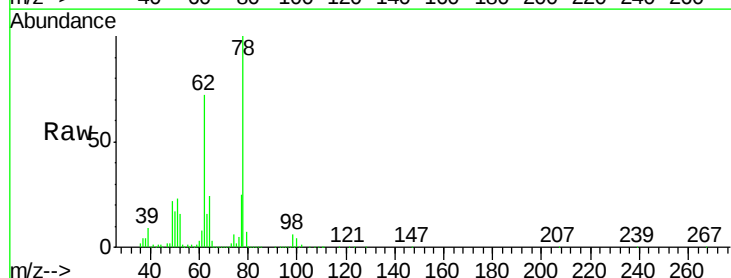
Manual Integrations
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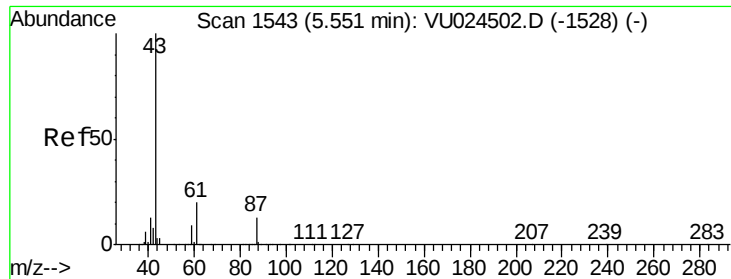
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.500 ug/l
RT: 5.41 min Scan# 1499
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

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





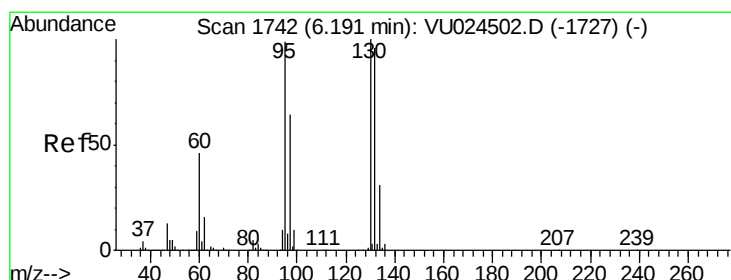
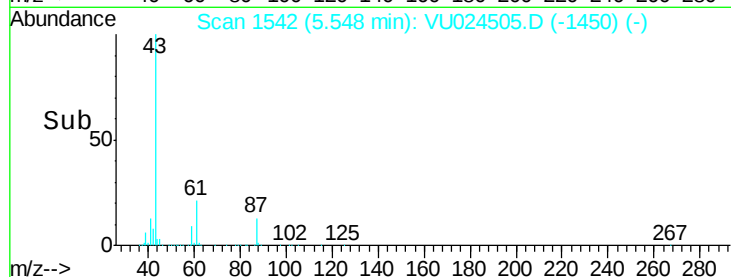
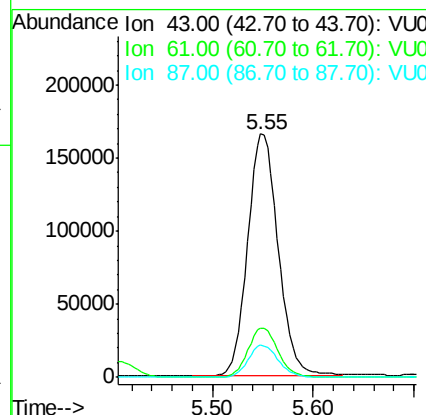
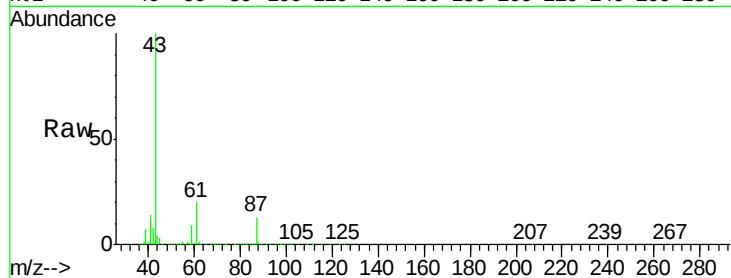
#43
Isopropyl Acetate
Concen: 48.478 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

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

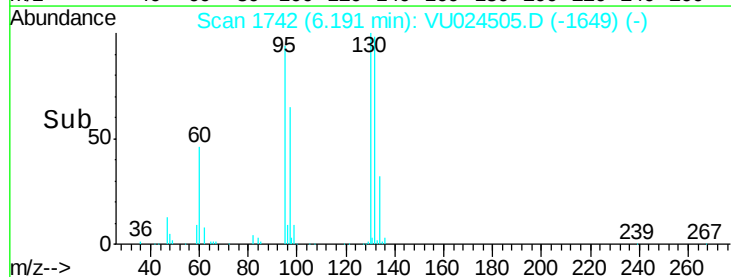
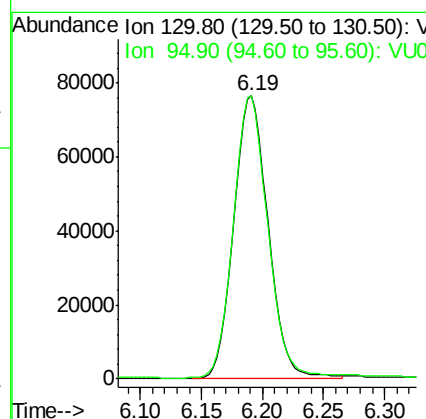
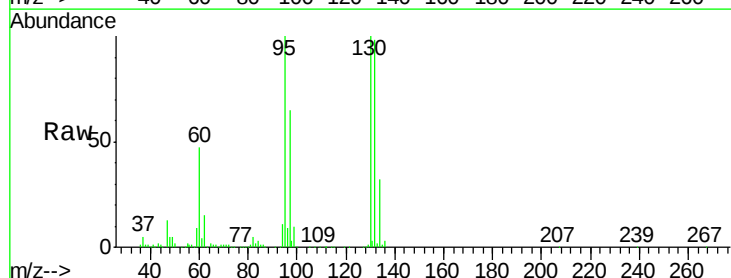
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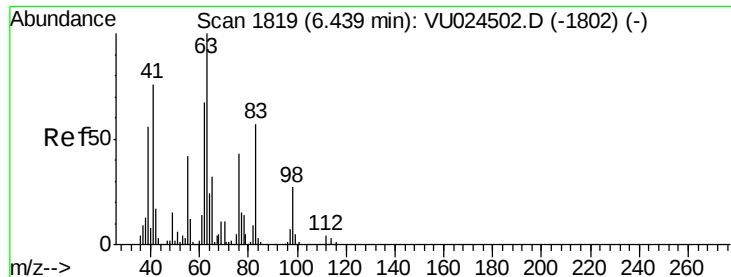
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#44
Trichloroethene
Concen: 49.364 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

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

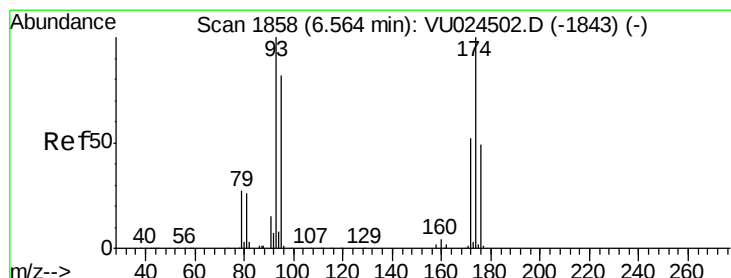
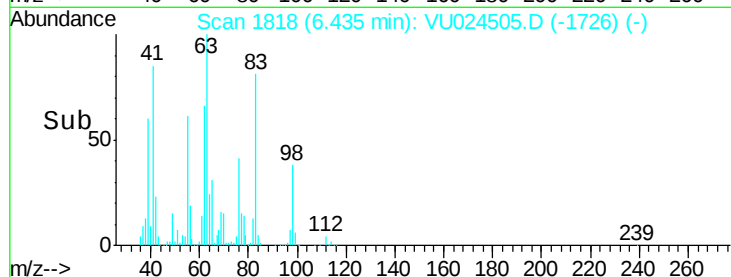
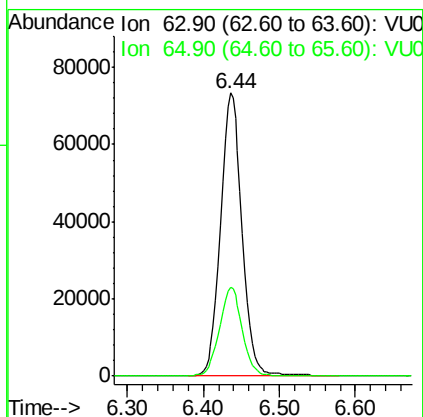
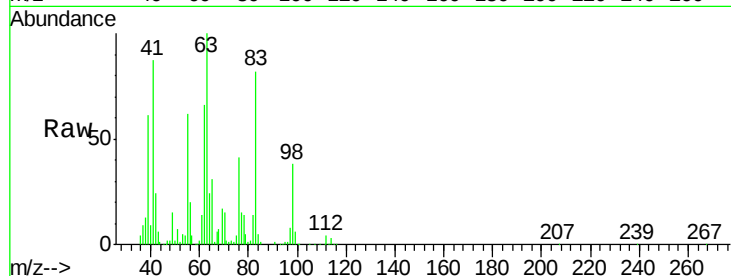
65 31.4 24.8 37.2

Manual Integrations

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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

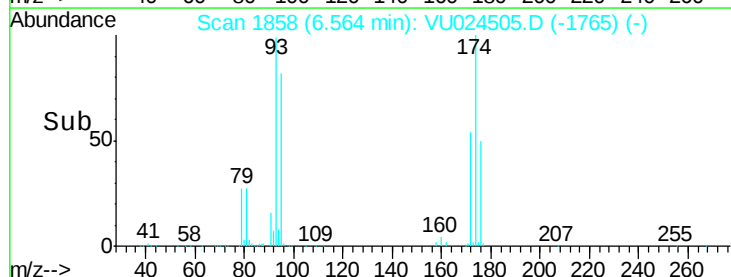
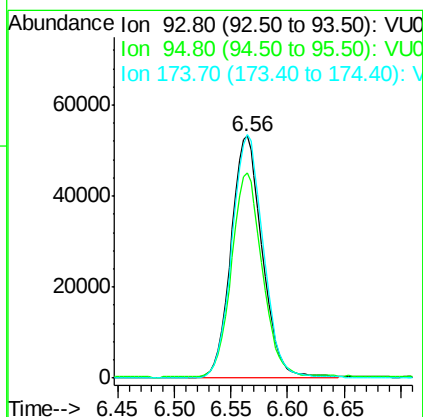
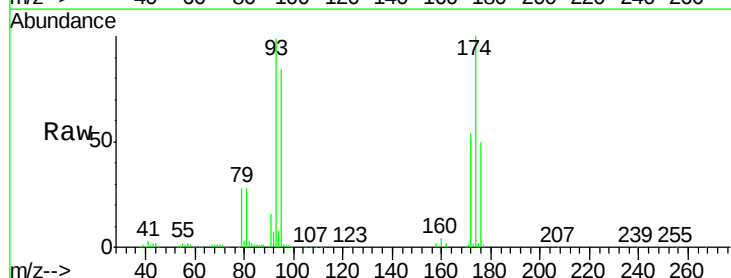
Tgt Ion: 93 Resp: 102474

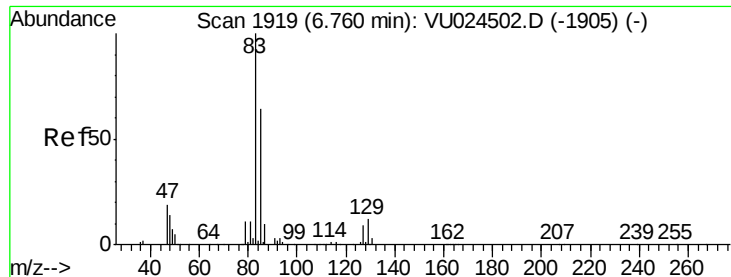
Ion Ratio Lower Upper

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

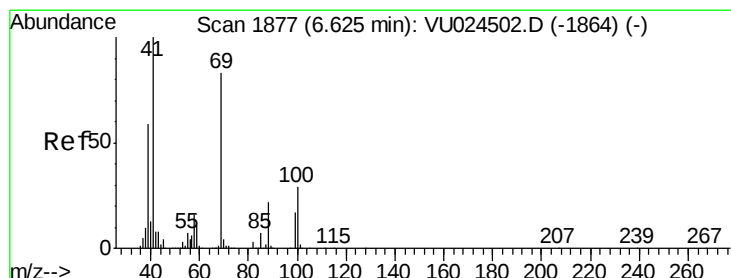
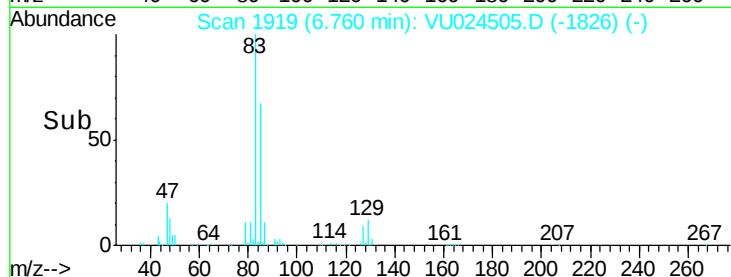
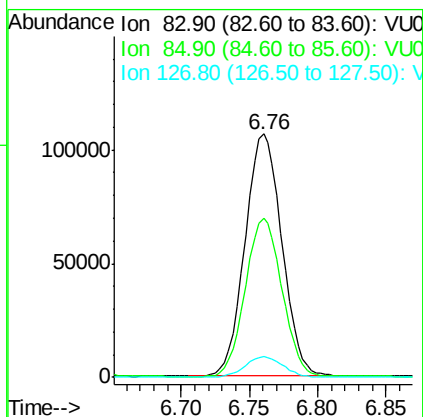
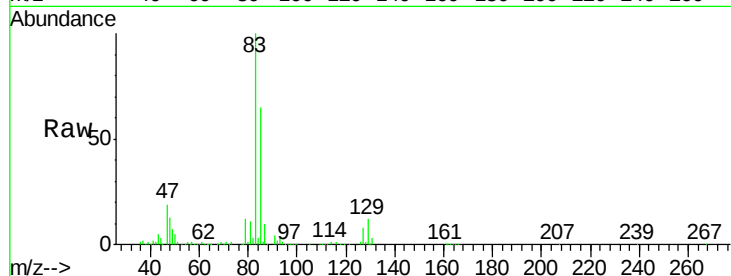
ClientSampleId :

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

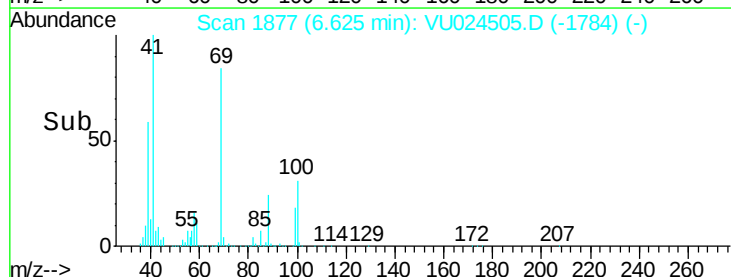
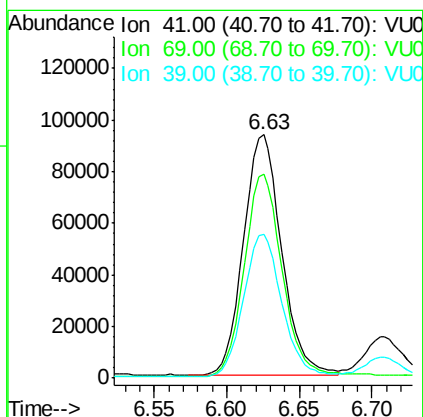
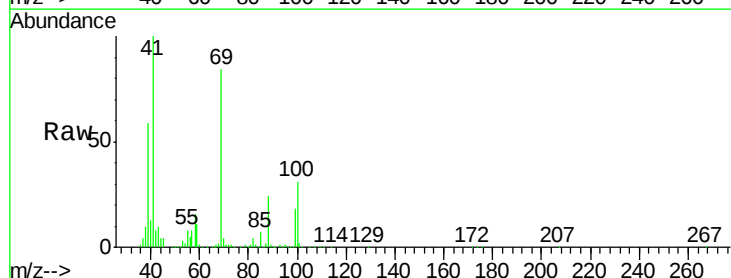
RT: 6.63 min Scan# 1877

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

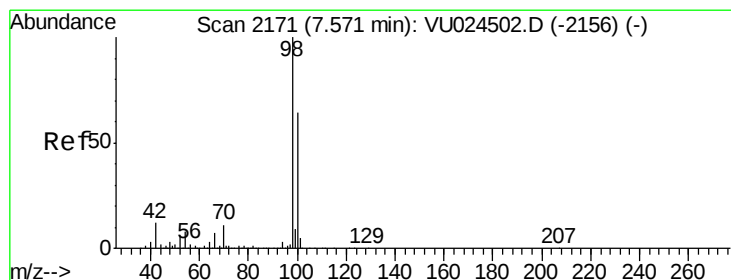
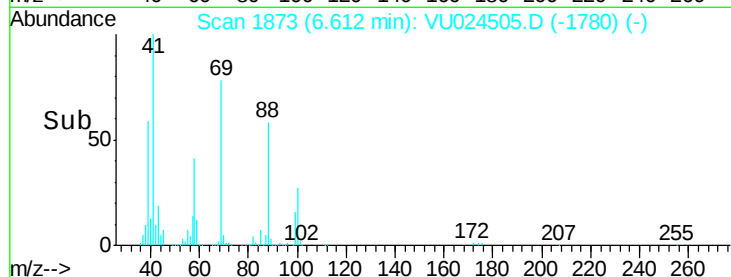
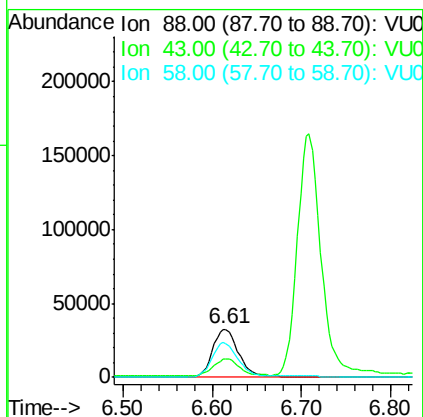
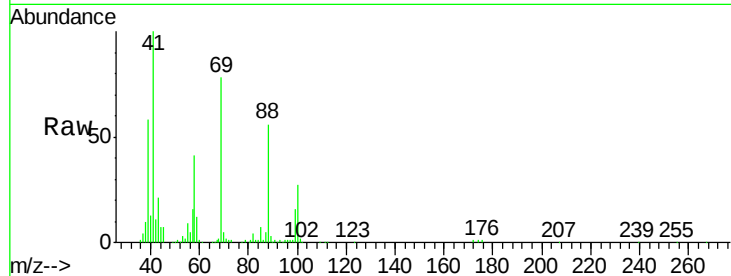
ClientSampleId :

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

Manual Integrations
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#50

Toluene-d8

Concen: 52.092 ug/l

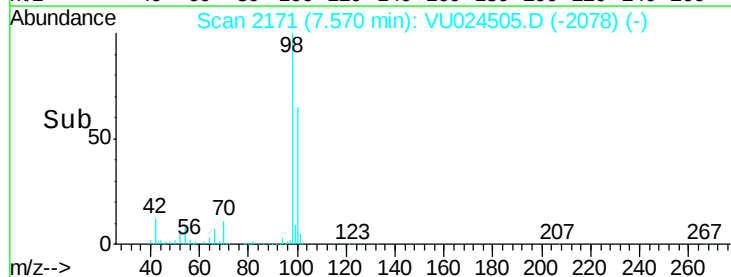
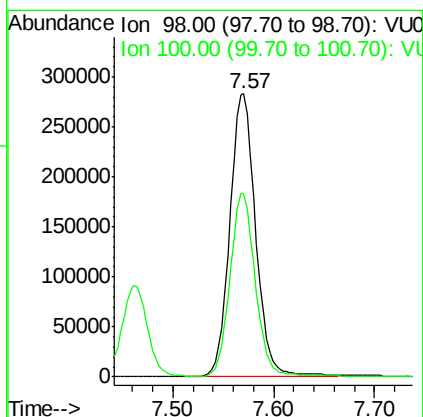
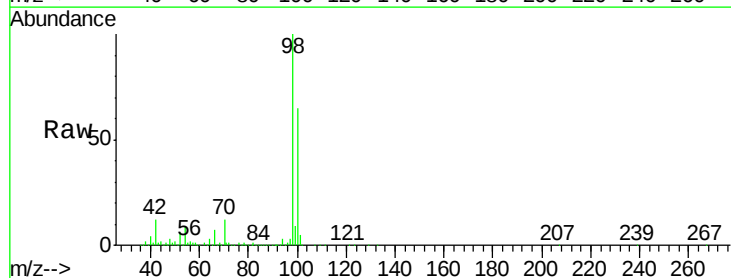
RT: 7.57 min Scan# 2171

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

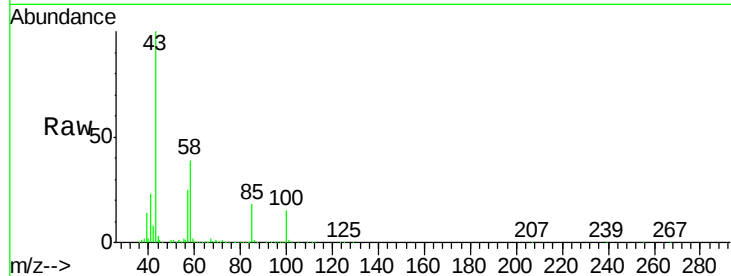
58 38.7 30.0 45.0

Manual Integrations

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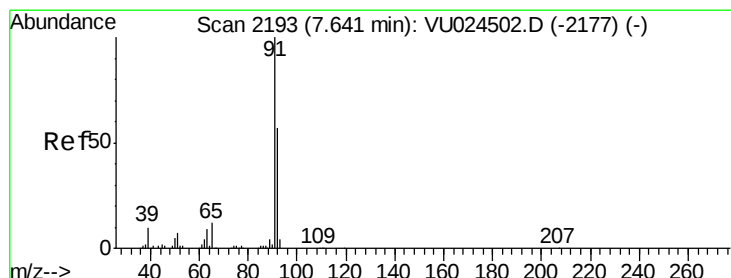
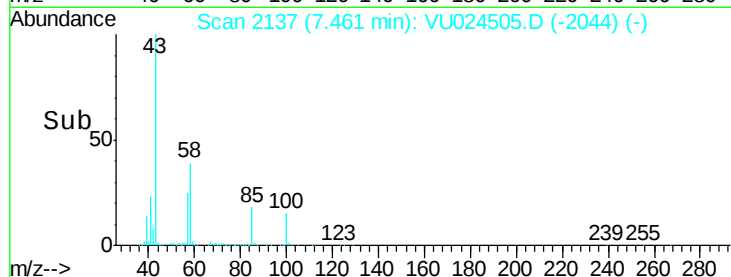
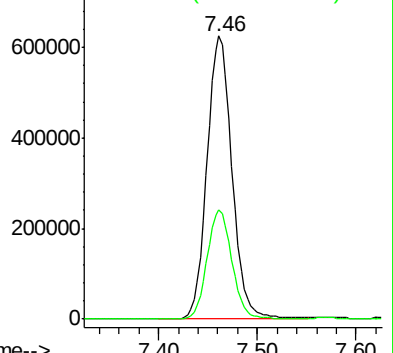
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 49.648 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU024505.D

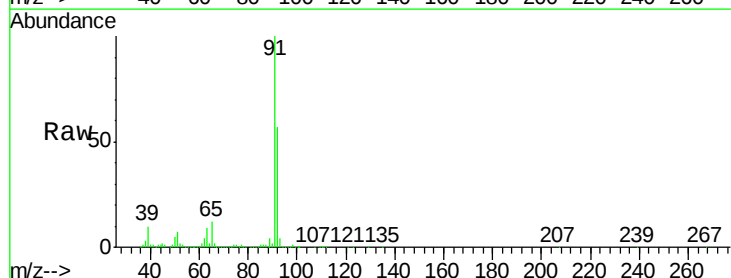
Acq: 13 Jun 2018 13:54

Tgt Ion: 92 Resp: 342331

Ion Ratio Lower Upper

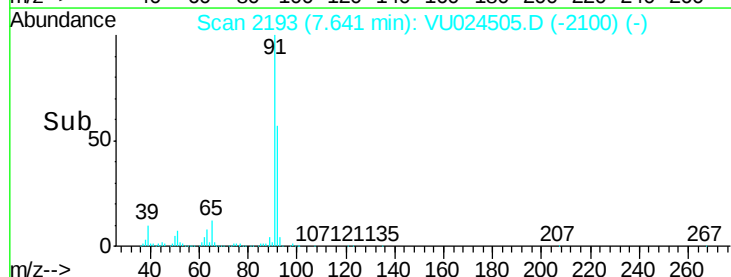
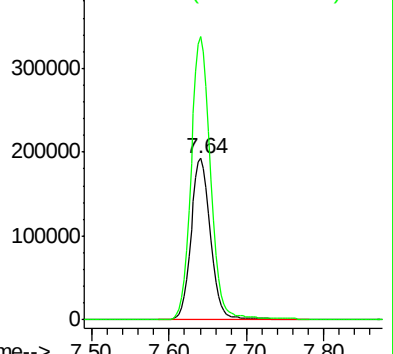
92 100

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





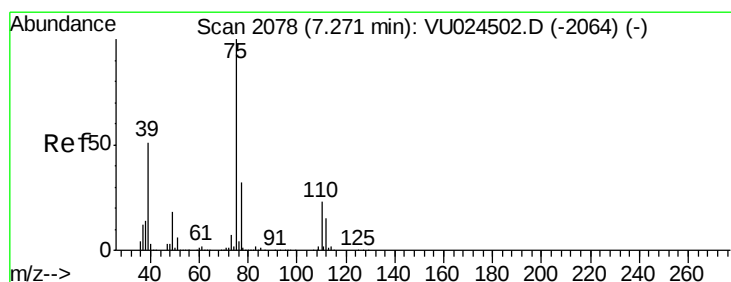
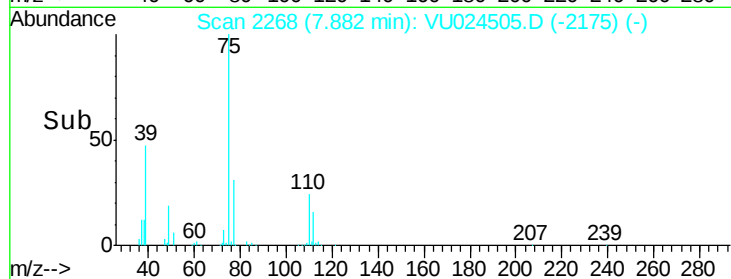
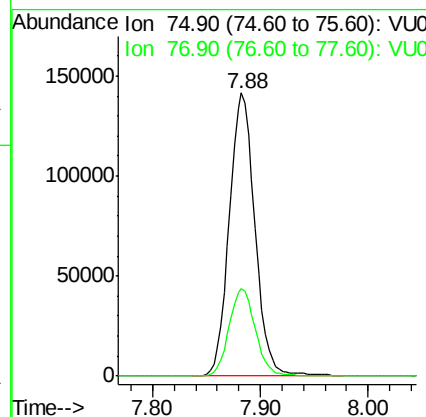
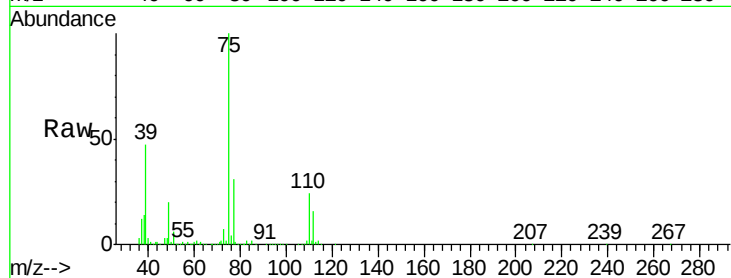
#53
t-1,3-Dichloropropene
Concen: 52.360 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.8	37.2

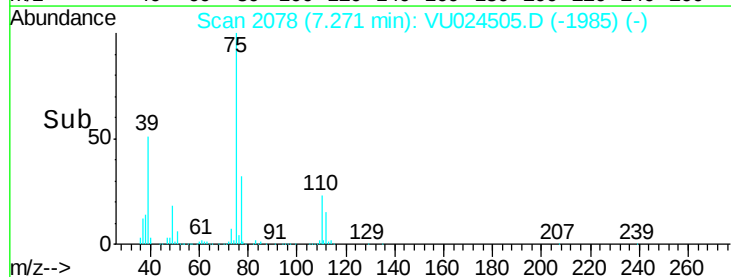
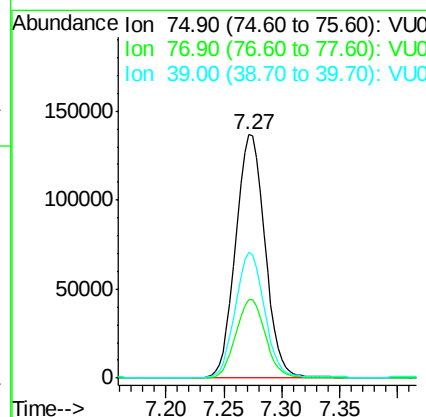
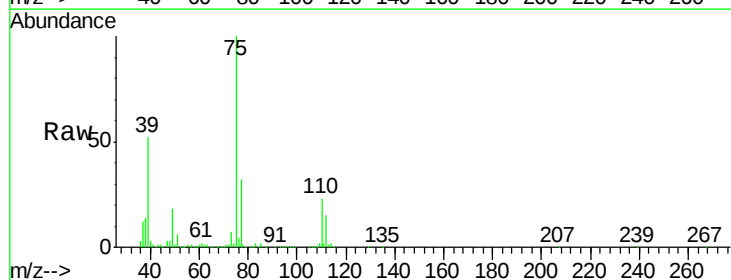
Manual Integrations
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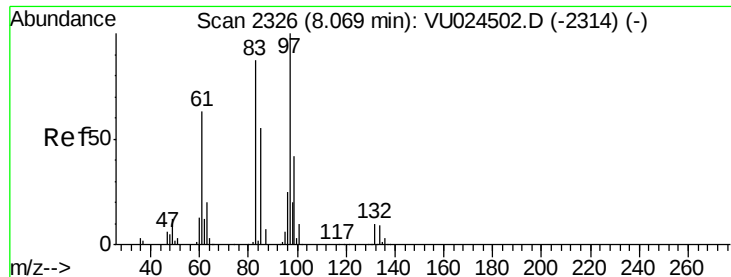
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#54
cis-1,3-Dichloropropene
Concen: 50.126 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

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





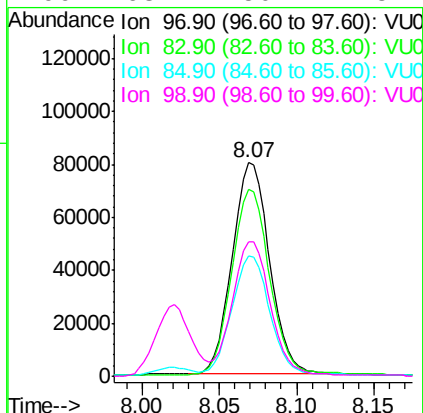
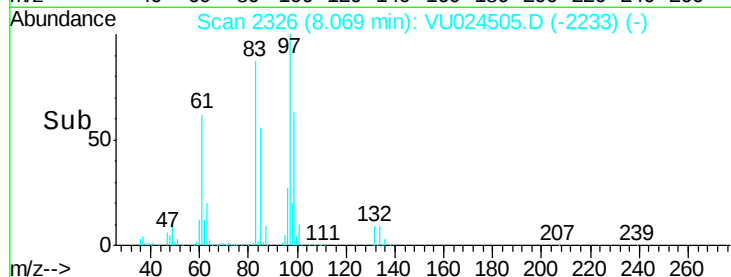
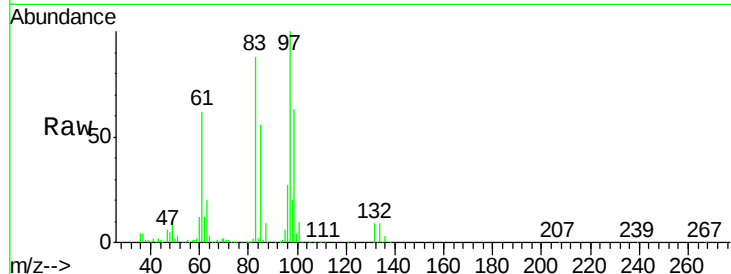
#55
 1,1,2-Trichloroethane
 Concen: 47.676 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		133628		
83	87.9	70.5	105.7		
85	56.0	46.4	69.6		
99	63.1	50.2	75.2		

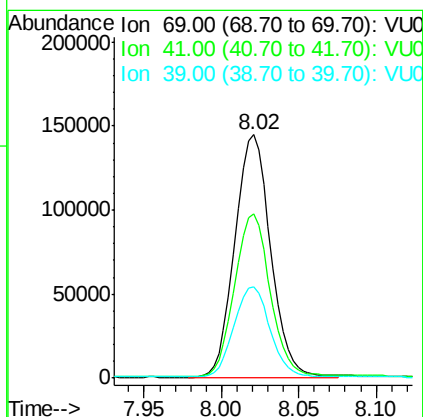
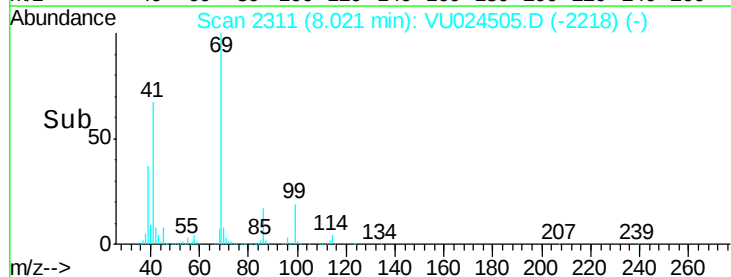
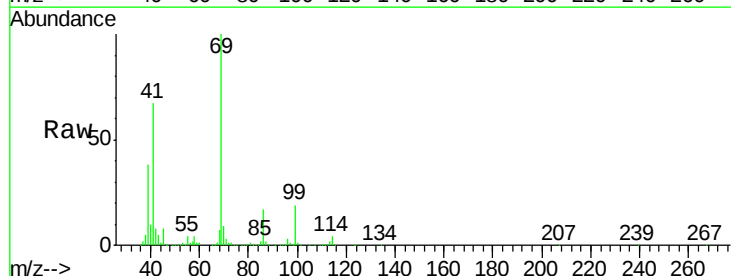
Manual Integrations
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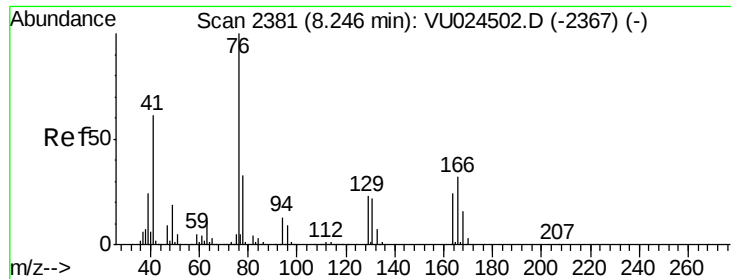
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#56
 Ethyl methacrylate
 Concen: 49.467 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		232061		
41	66.5	54.1	81.1		
39	37.6	30.3	45.5		





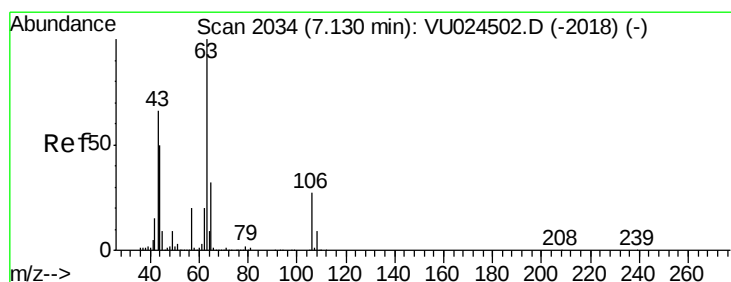
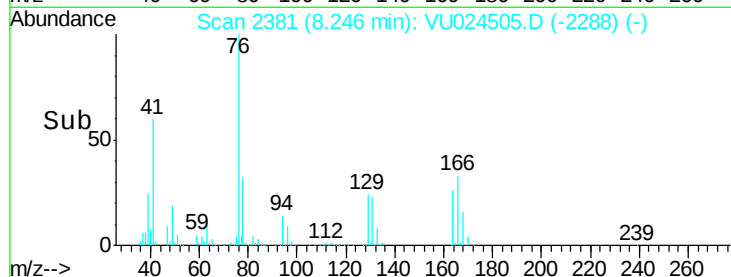
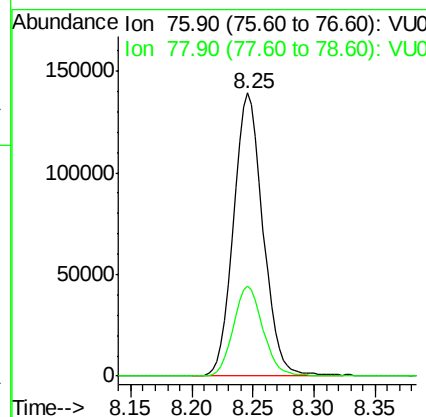
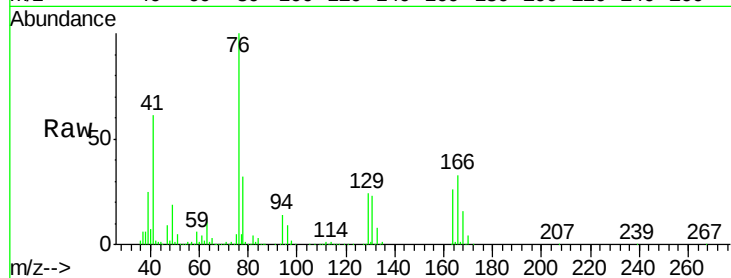
#57
 1,3-Dichloropropane
 Concen: 49.777 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Tgt Ion: 76 Resp: 235354
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8

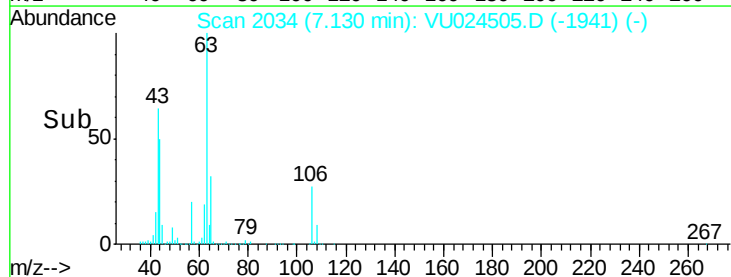
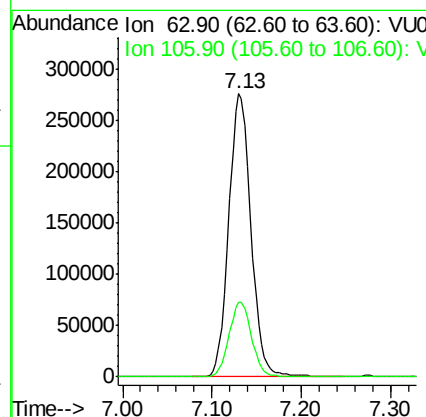
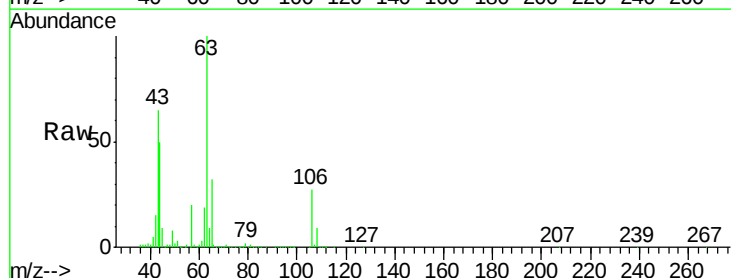
Manual Integrations
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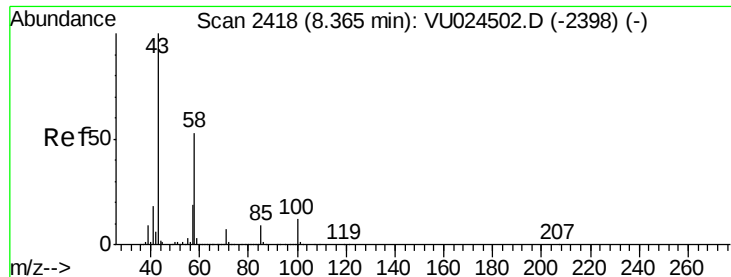
MMDadoda
 6/14/2018 9:44:48 AM



#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





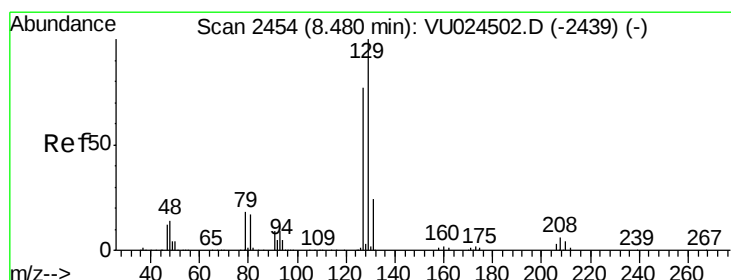
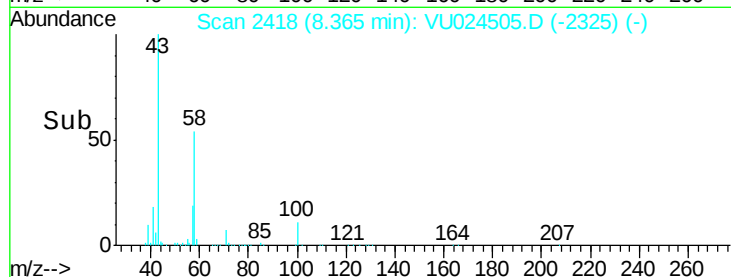
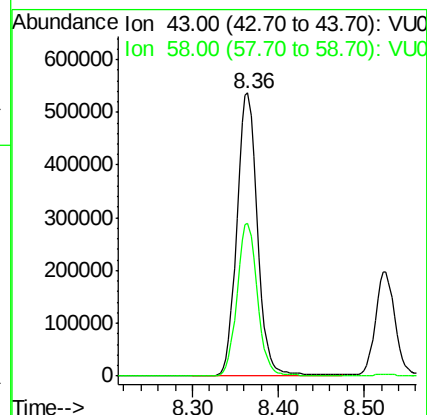
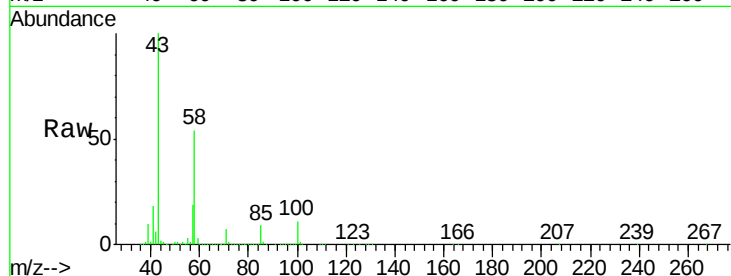
#59
2-Hexanone
Concen: 243.947 ug/l
RT: 8.36 min Scan# 2418
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

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

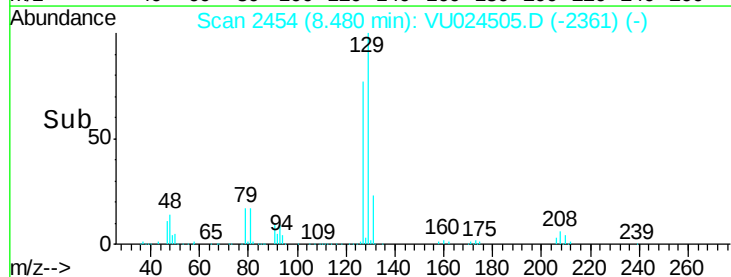
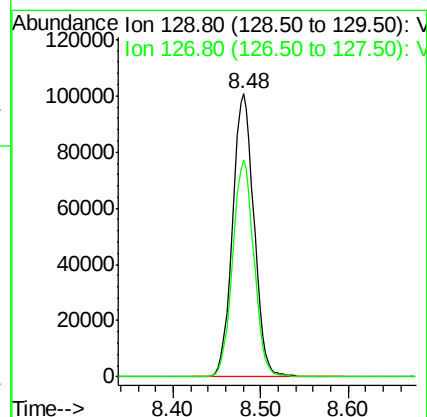
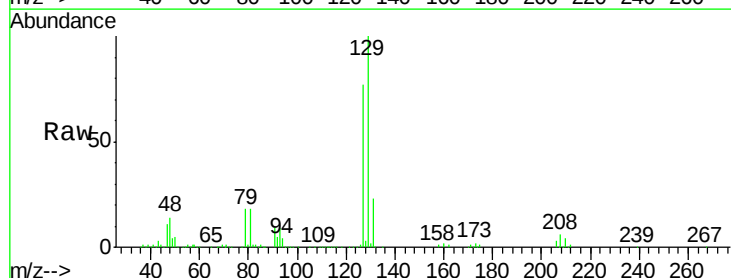
Manual Integrations
APPROVED

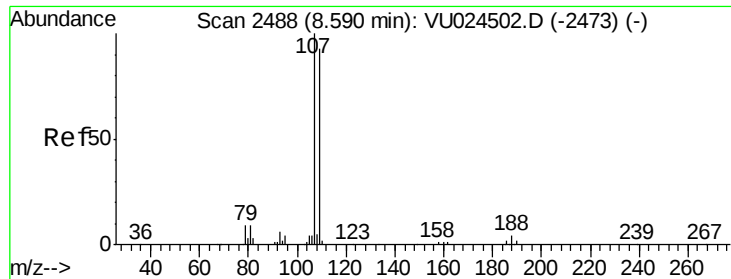
MMDadoda
6/14/2018 9:44:48 AM



#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





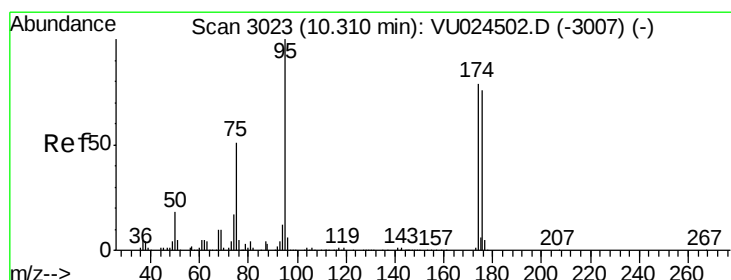
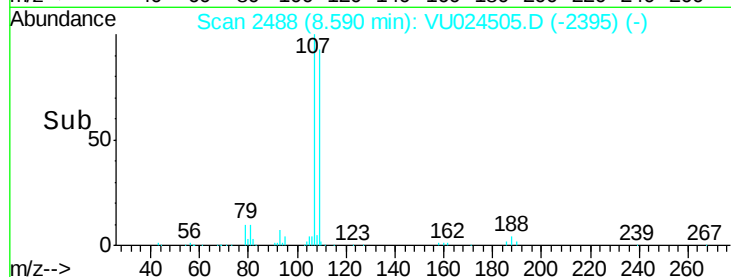
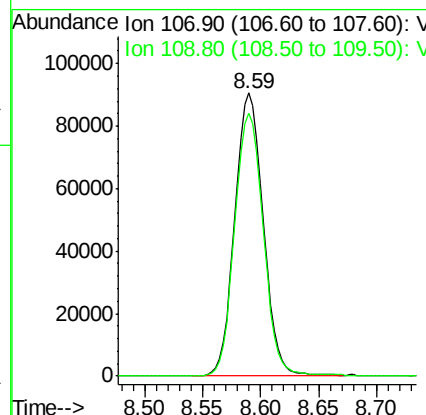
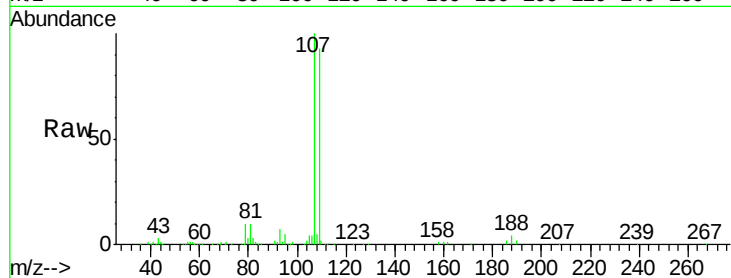
#61
 1,2-Dibromoethane
 Concen: 49.117 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.9	74.5	111.7

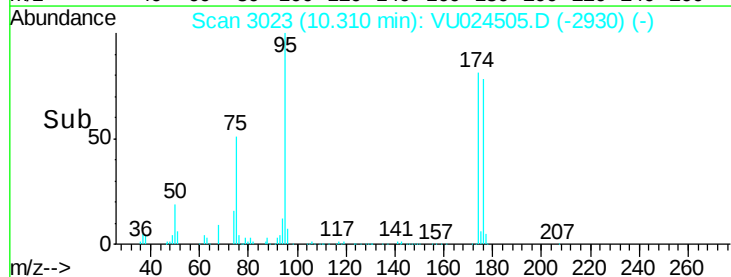
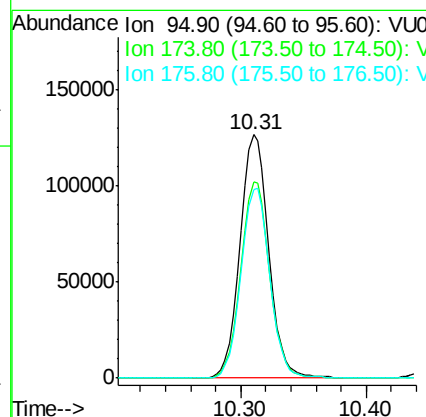
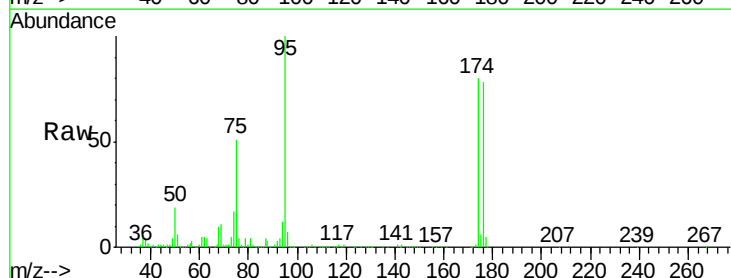
Manual Integrations
 APPROVED

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





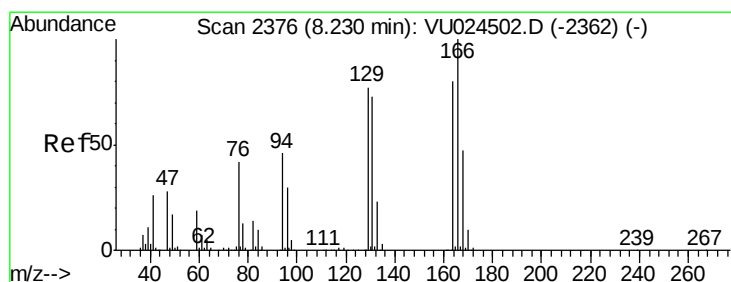
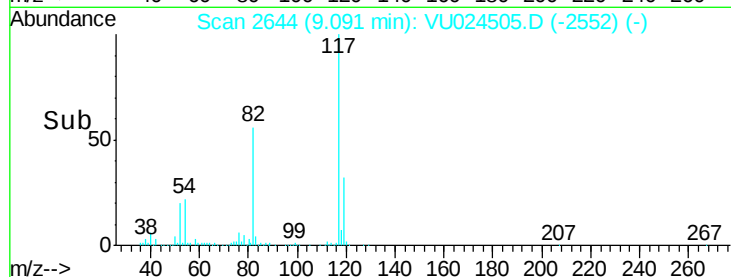
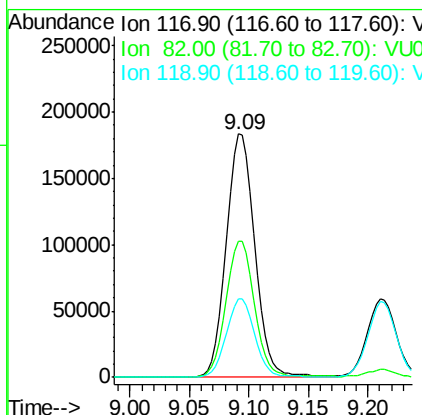
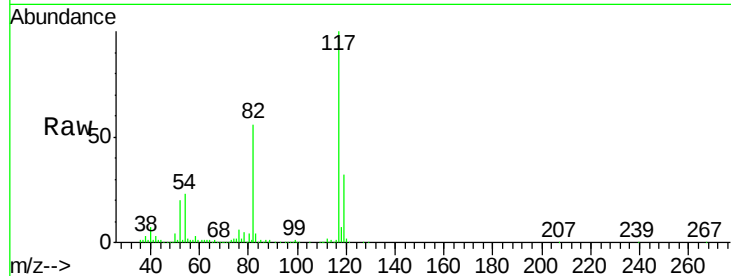
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

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

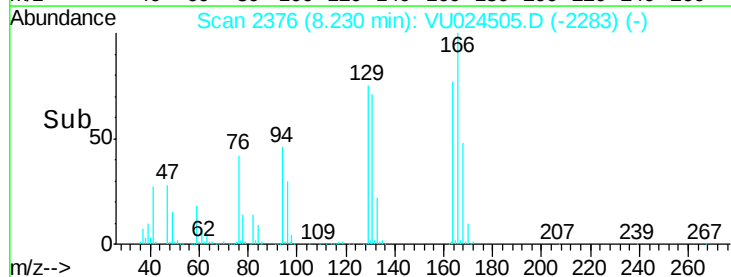
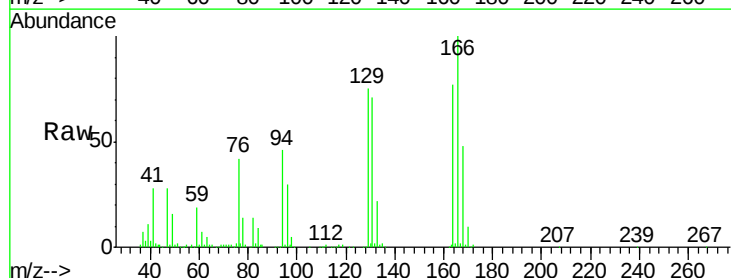
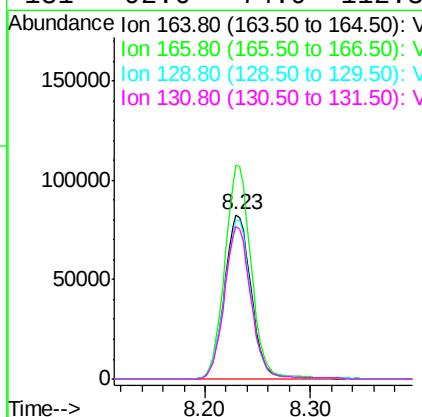
Manual Integrations
APPROVED

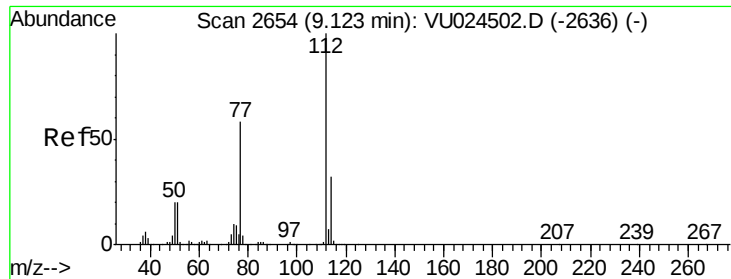
MMDadoda
6/14/2018 9:44:48 AM



#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	Resp Upper
164	100		
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

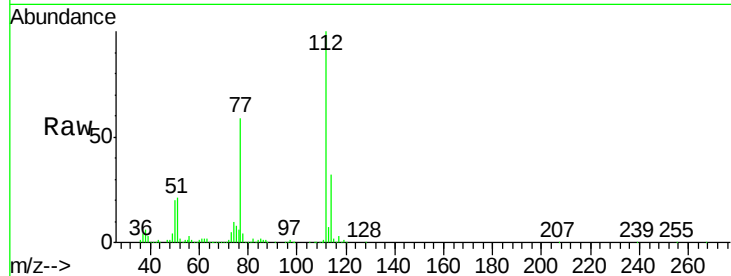
114 32.3 25.6 38.4

Manual Integrations

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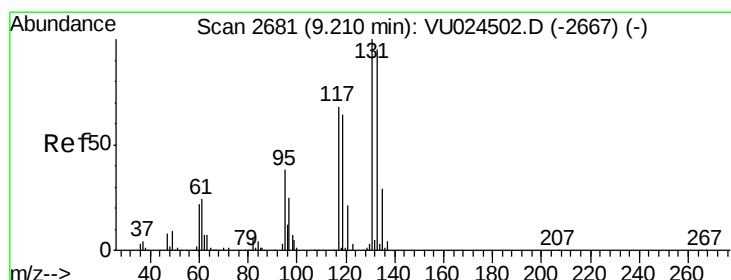
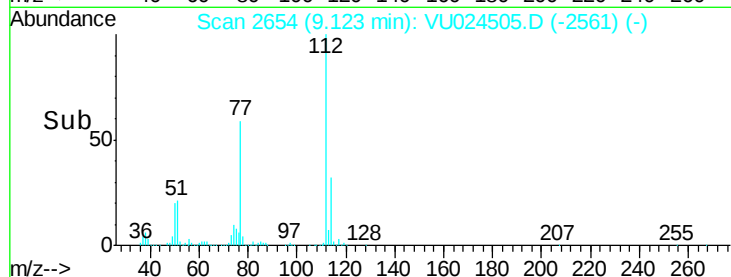
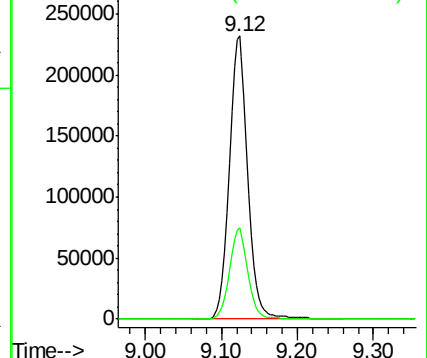
MMDadoda

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

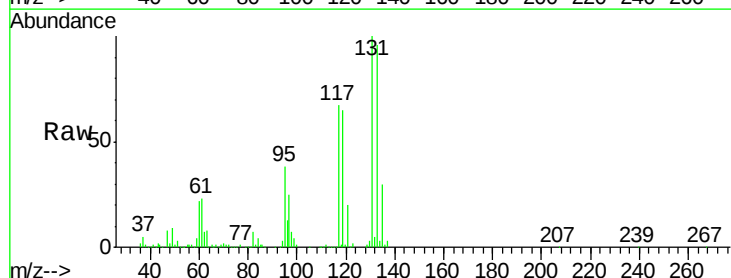
Tgt Ion:131 Resp: 145101

Ion Ratio Lower Upper

131 100

133 96.0 46.9 140.8

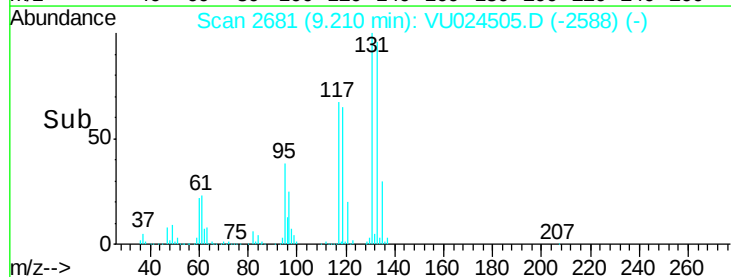
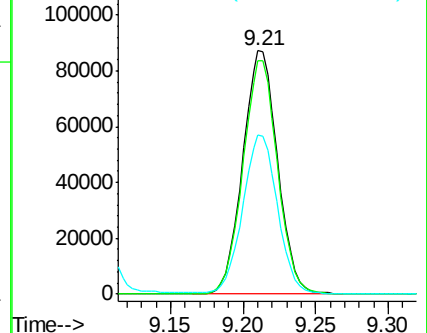
119 65.5 33.5 100.4

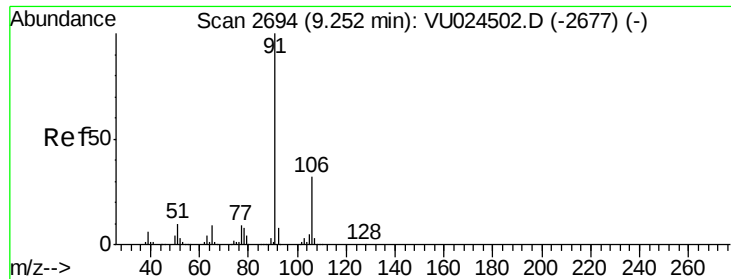


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





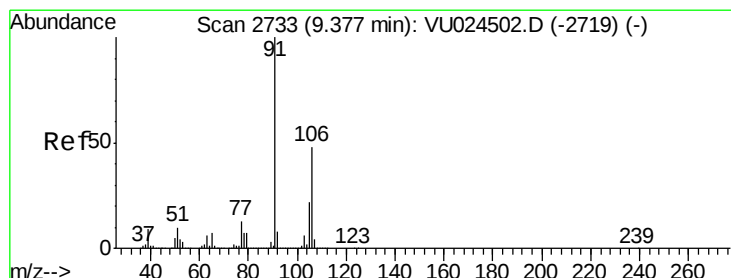
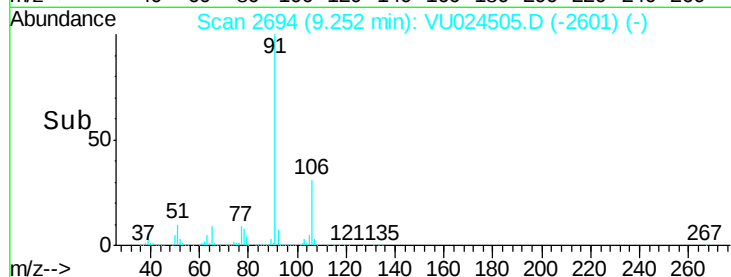
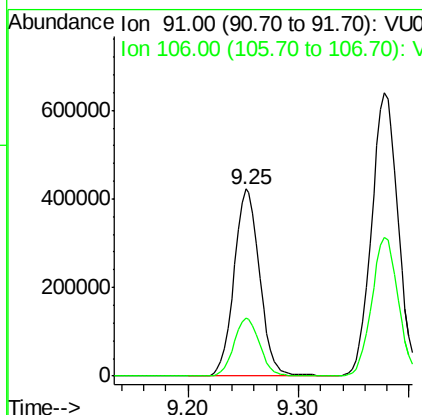
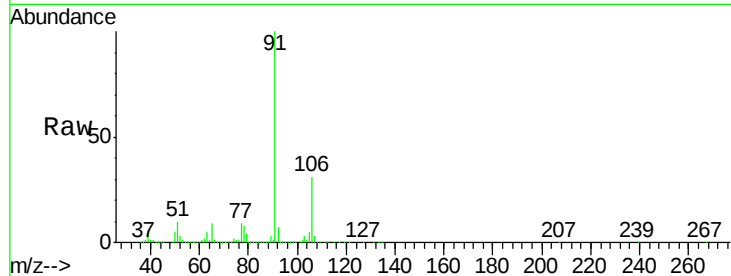
#67
Ethyl Benzene
Concen: 49.512 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

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

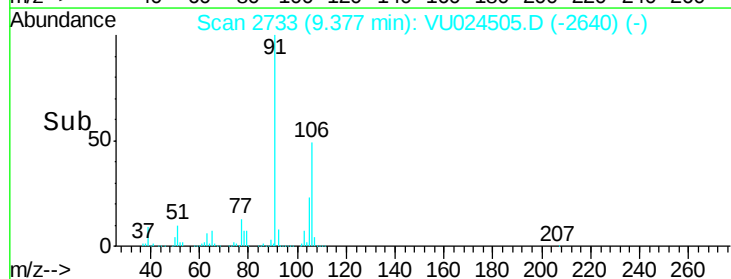
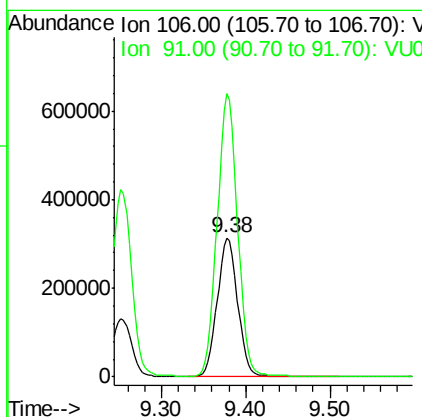
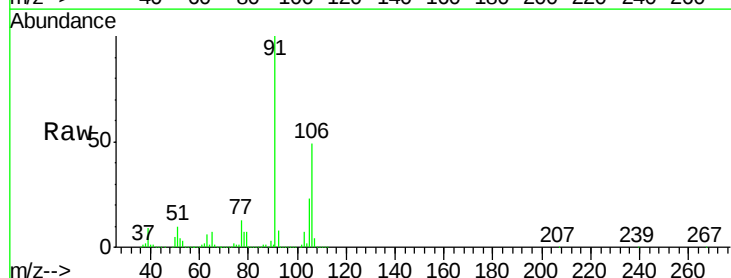
Manual Integrations
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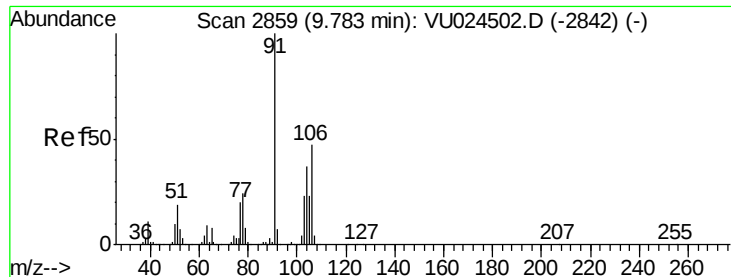
MMDadoda
6/14/2018 9:44:48 AM



#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





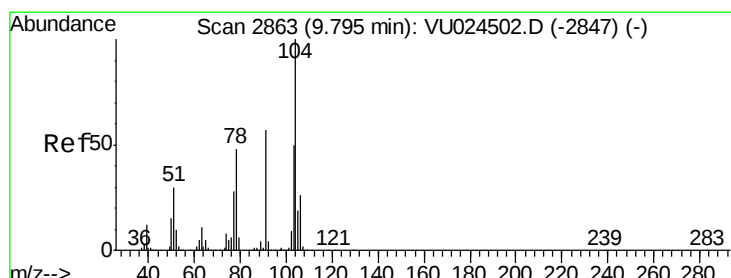
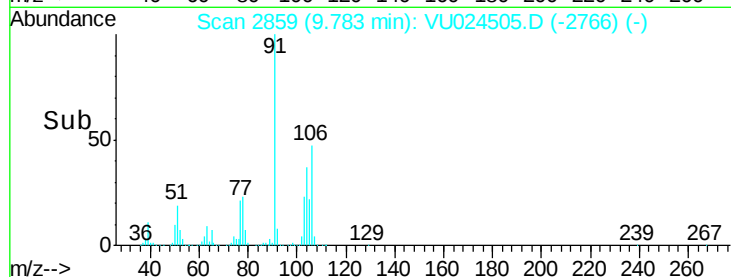
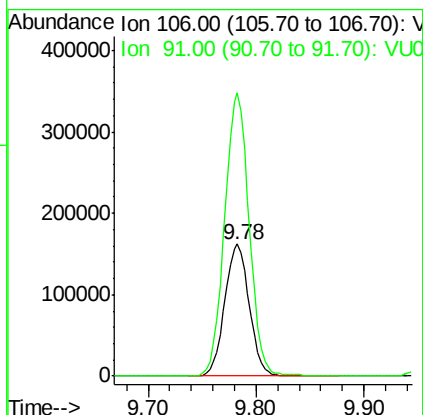
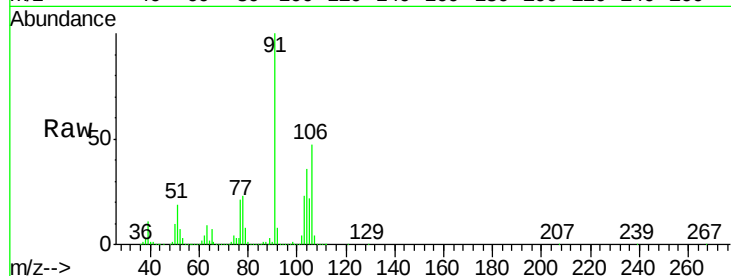
#69
o-Xylene
Concen: 49.261 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Lower	Upper
106	100		
91	214.0	110.7	331.9

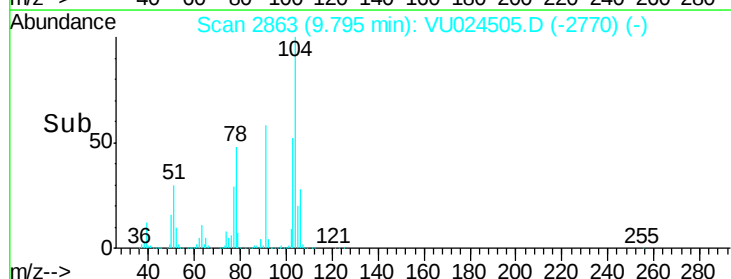
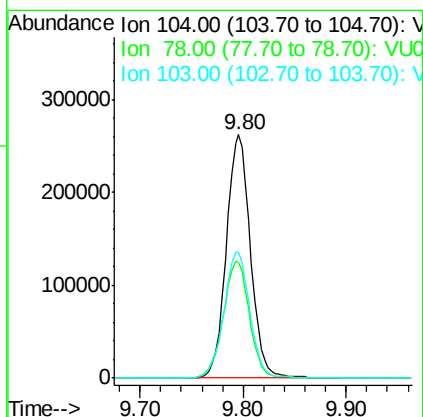
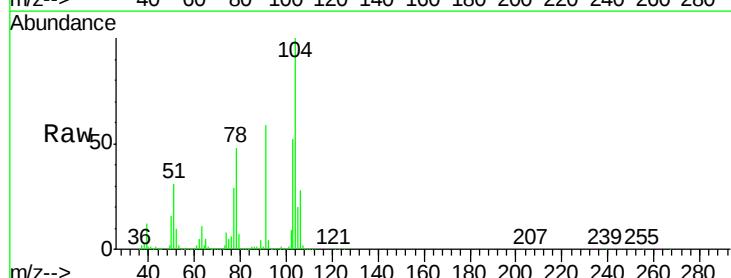
Manual Integrations
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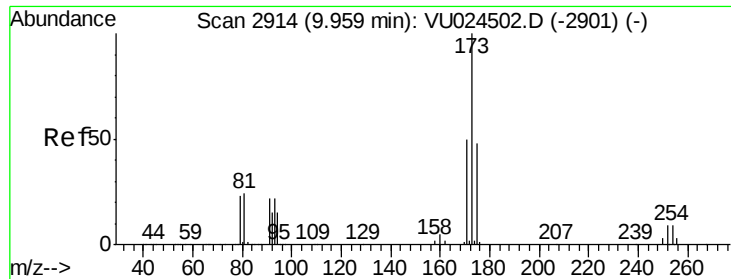
MMDadoda
6/14/2018 9:44:48 AM



#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

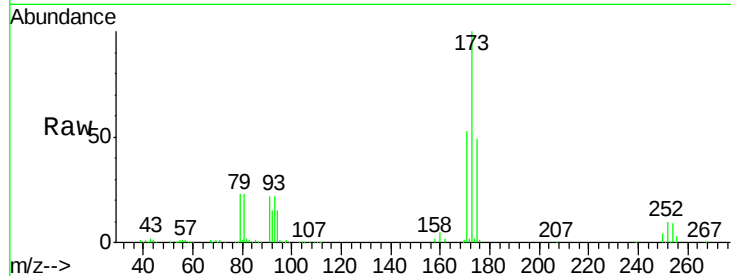
ClientSampleId :

ICVVU061318

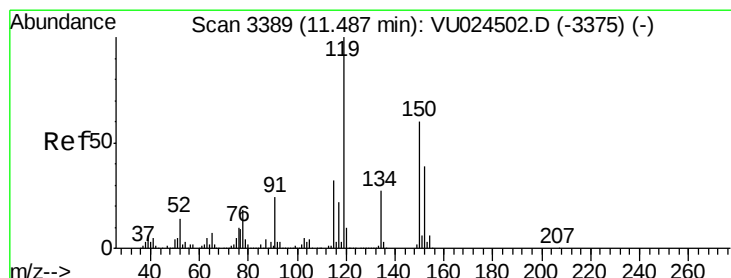
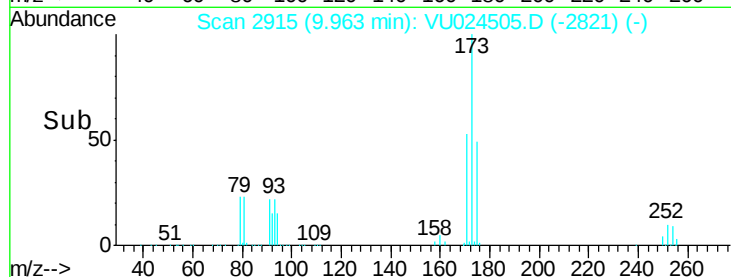
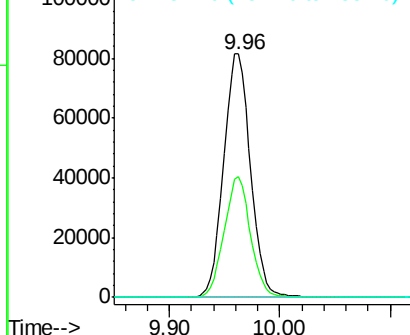
Tgt Ion	Ratio	Resp	Lower	Upper
173	100	137555		
175	48.5	24.6	74.0	
254	0.1	0.0	0.0	

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

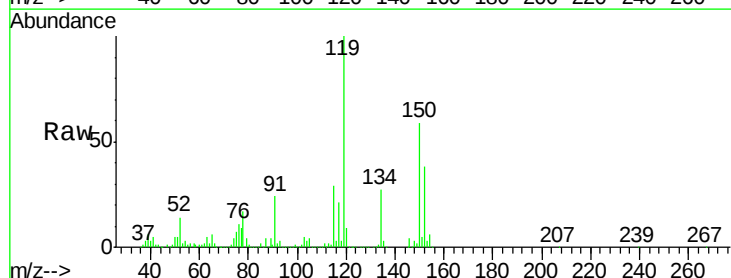
RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

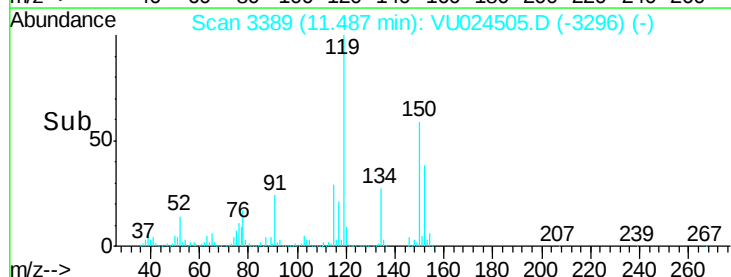
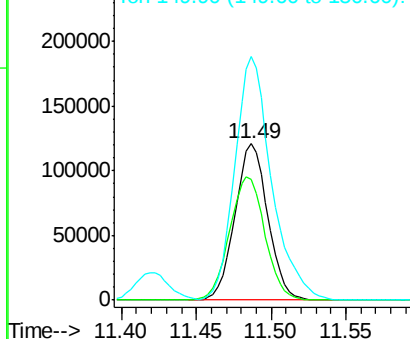
Lab File: VU024505.D

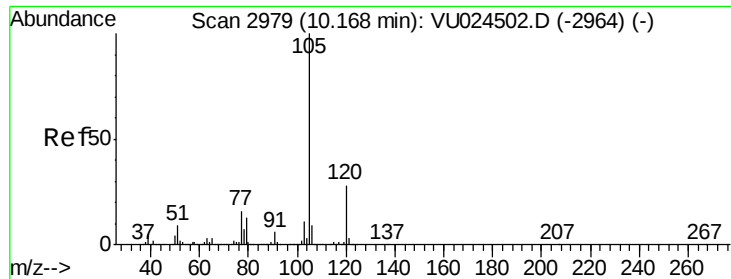
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	184526		
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

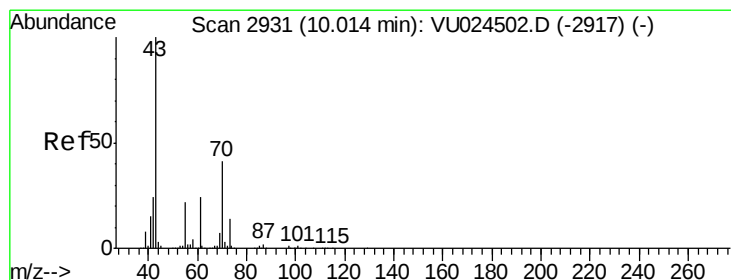
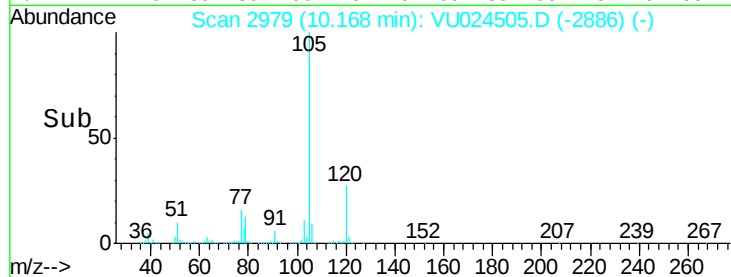
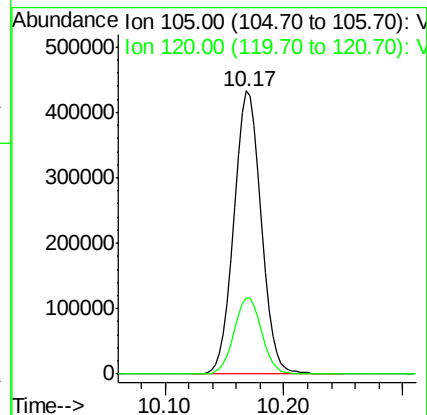
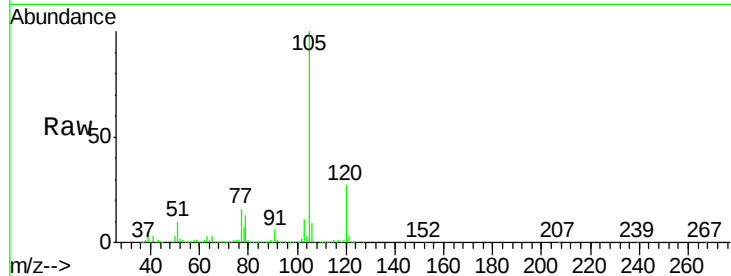
Ion Ratio Lower Upper

105 100

120 27.4 13.2 39.6

Manual Integrations
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#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

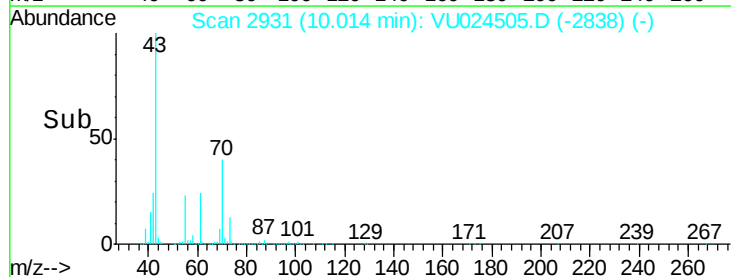
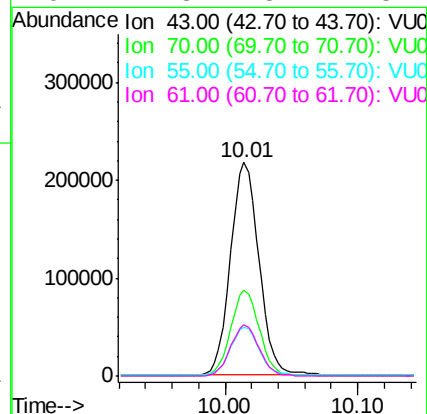
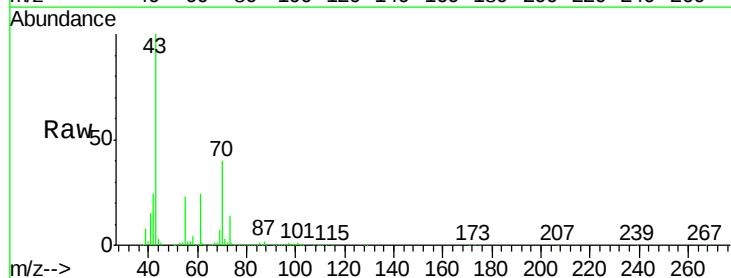
Ion Ratio Lower Upper

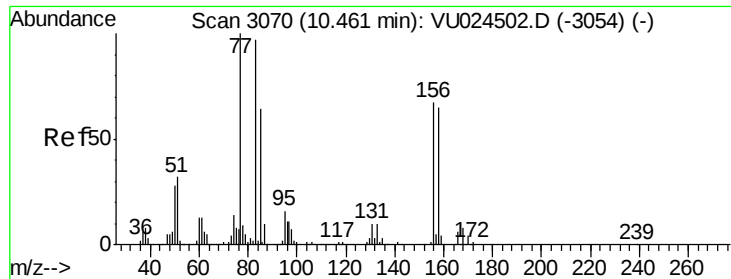
43 100

70 40.4 32.2 48.4

55 22.6 20.5 30.7

61 24.3 18.7 28.1





#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

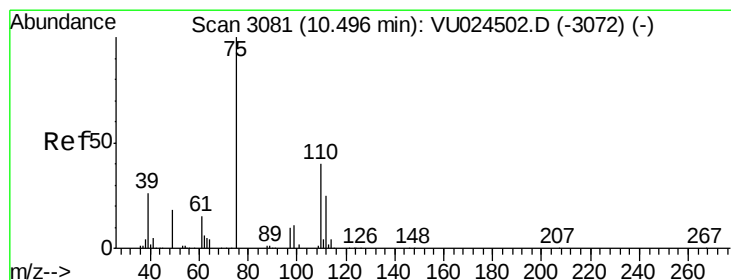
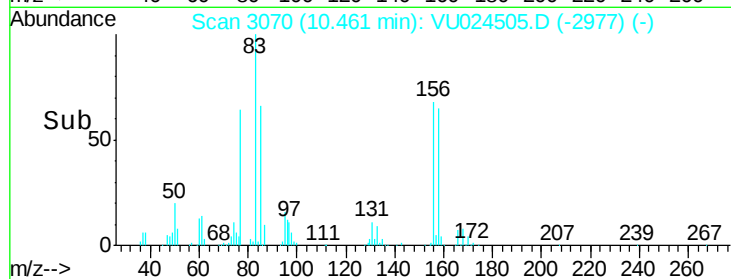
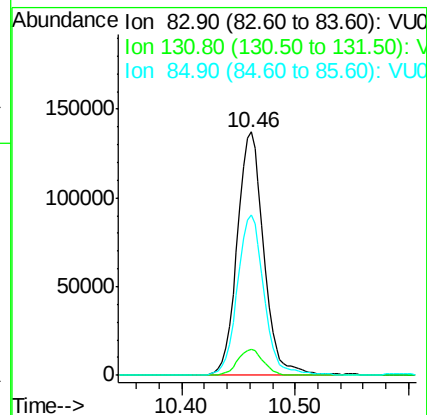
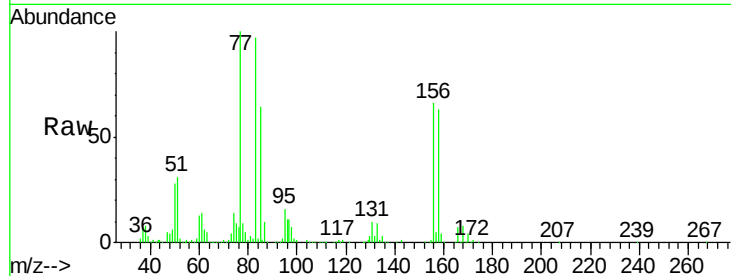
83 100

131 10.5 4.7 14.1

85 66.5 32.5 97.5

Manual Integrations
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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

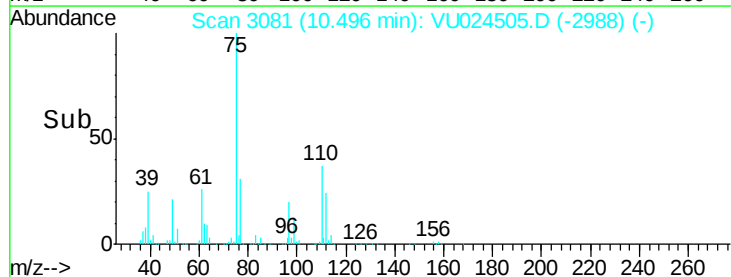
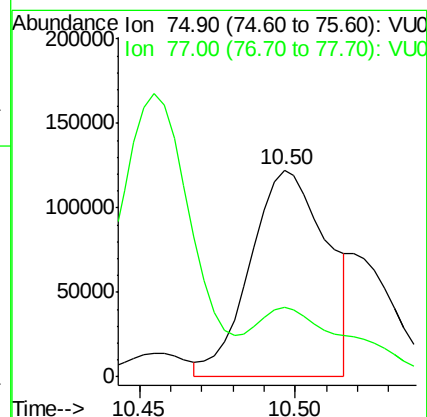
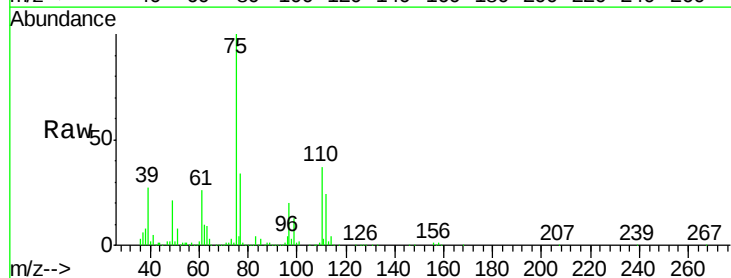
Acq: 13 Jun 2018 13:54

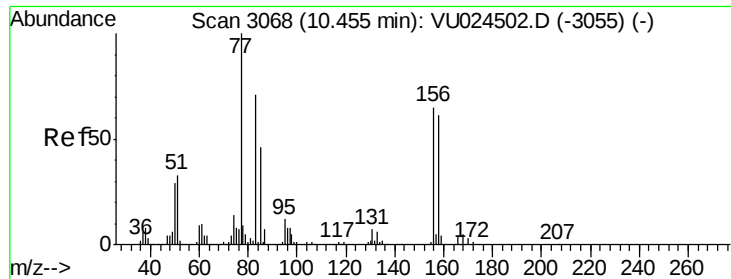
Tgt Ion: 75 Resp: 210914

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

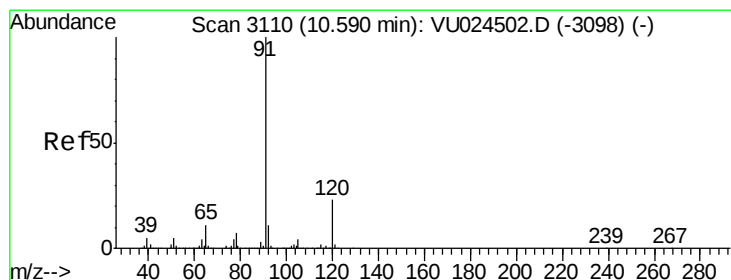
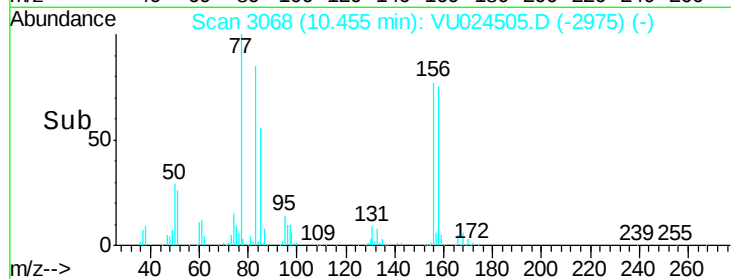
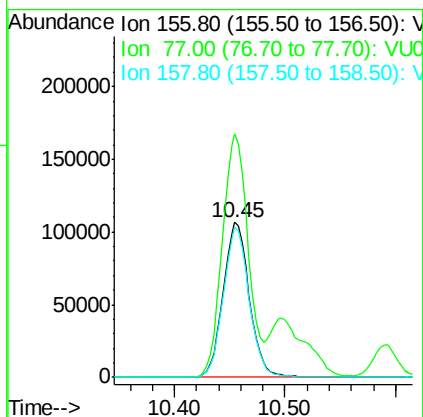
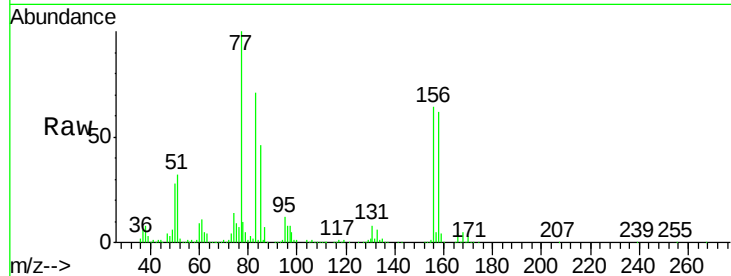
ClientSampleId :

ICVVU061318

Tgt Ion	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

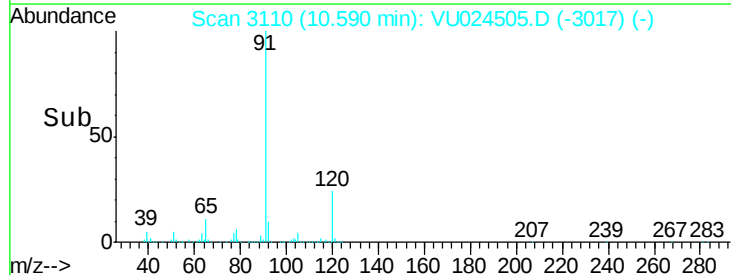
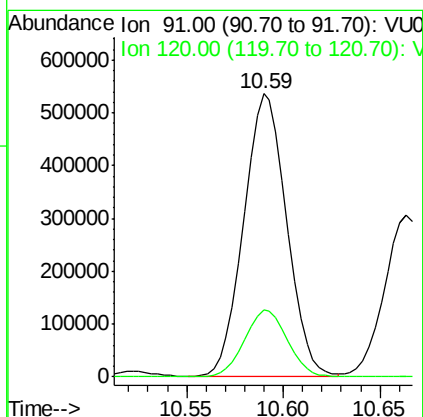
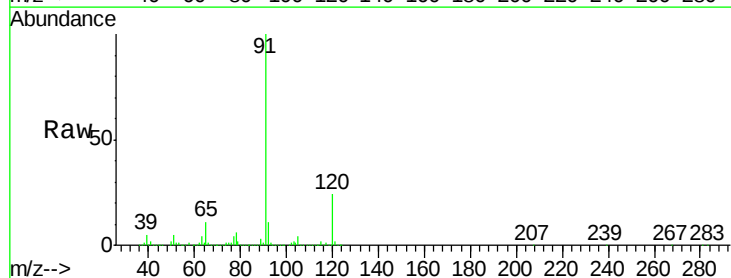
RT: 10.59 min Scan# 3110

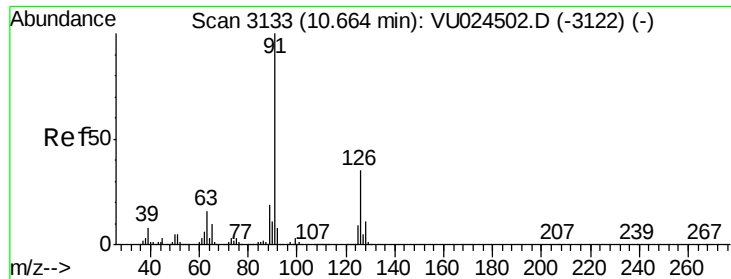
Delta R.T. -0.00 min

Lab File: VU024505.D

Acq: 13 Jun 2018 13:54

Tgt Ion	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

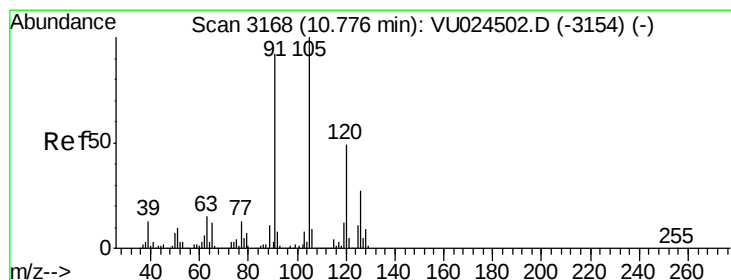
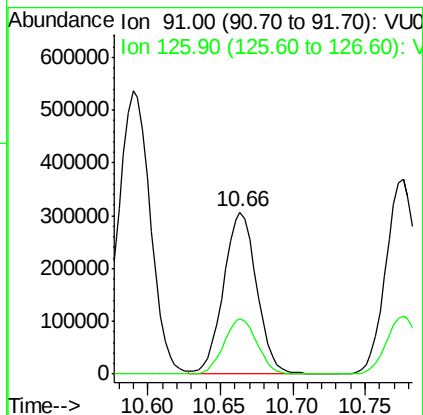
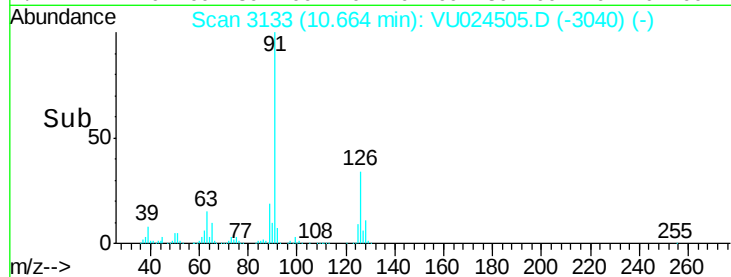
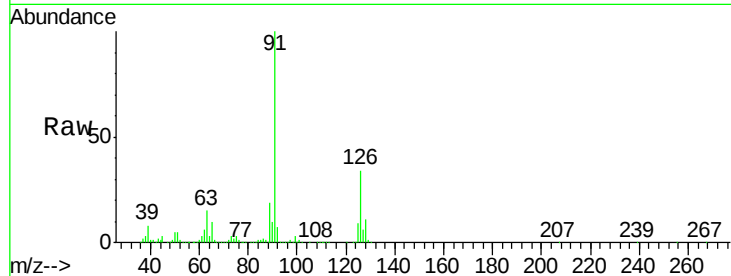
126 34.1 16.9 50.7

Manual Integrations

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#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

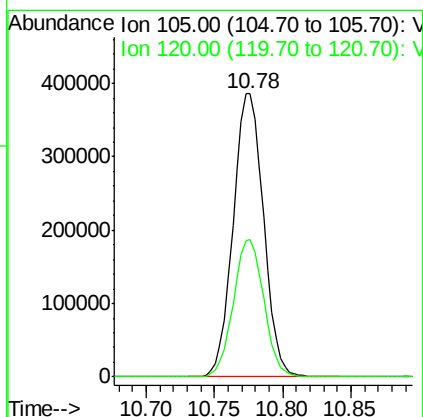
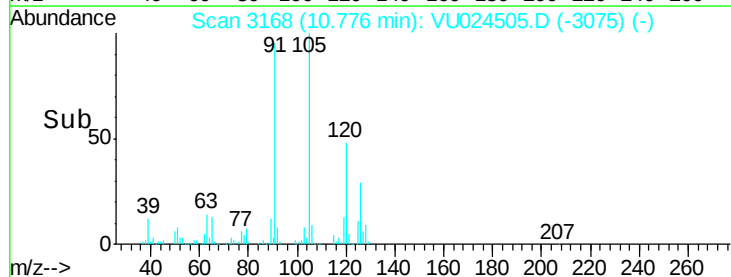
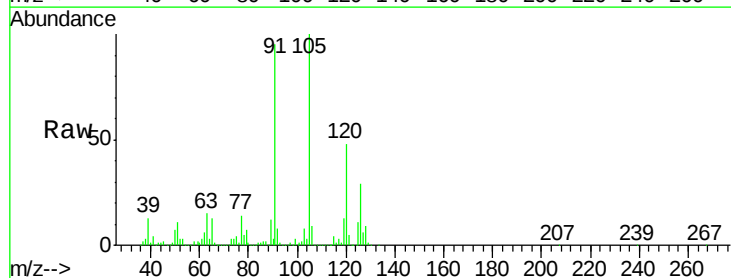
Acq: 13 Jun 2018 13:54

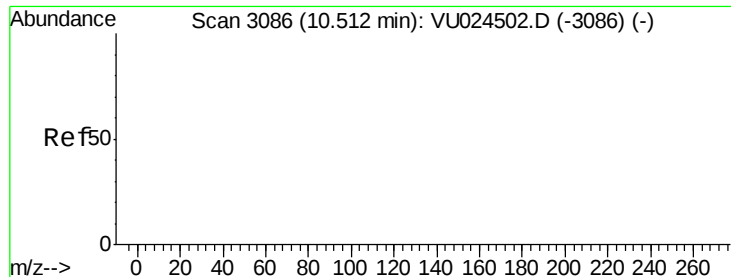
Tgt Ion: 105 Resp: 595341

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.2





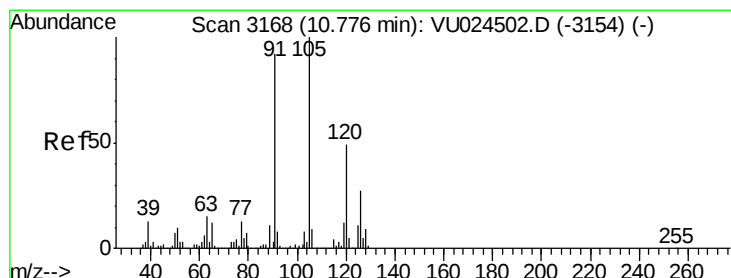
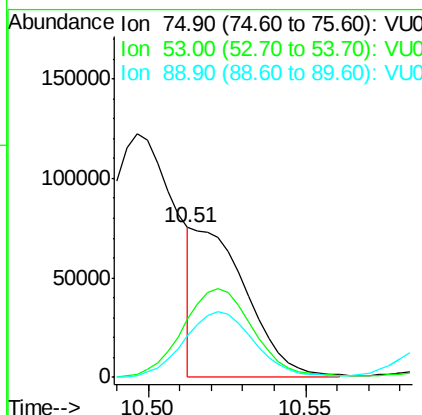
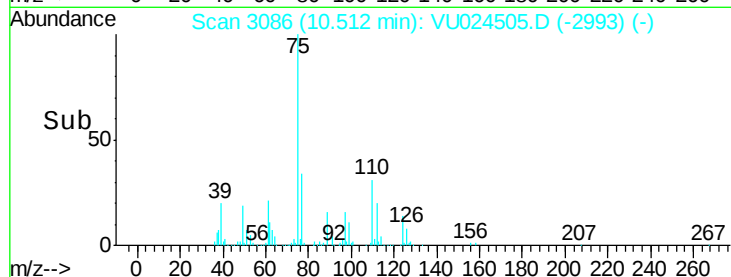
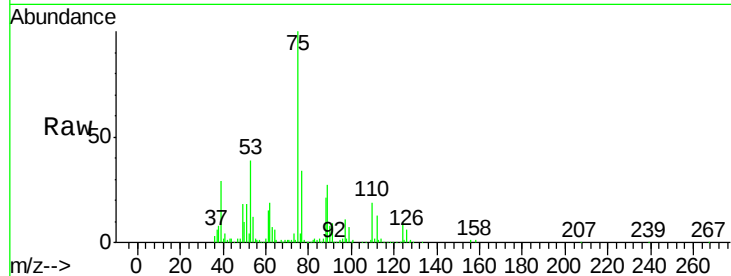
#81
trans-1,4-Dichloro-2-butene
Concen: 49.834 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

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

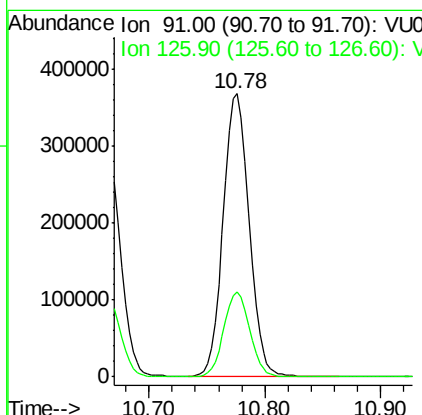
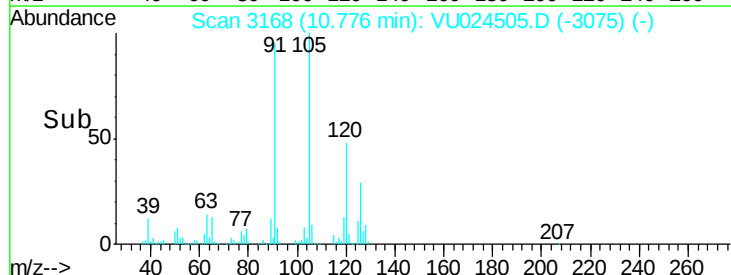
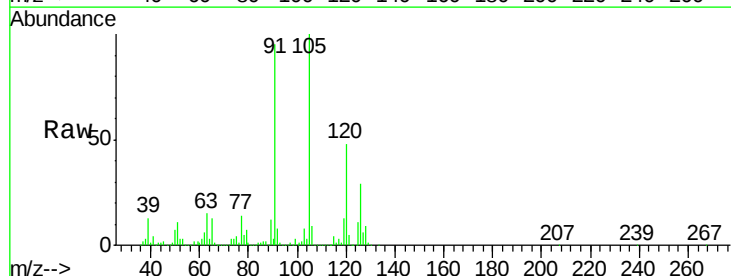
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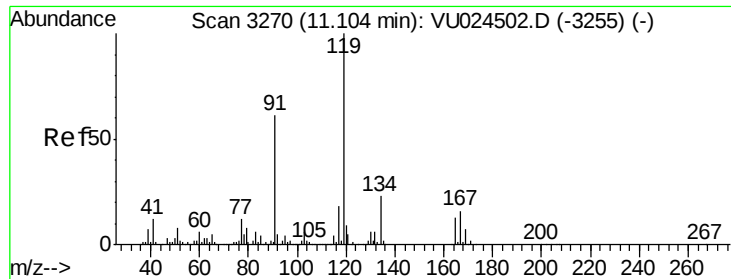
MMDadoda
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#82
4-Chlorotoluene
Concen: 49.687 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.2	14.9	44.9





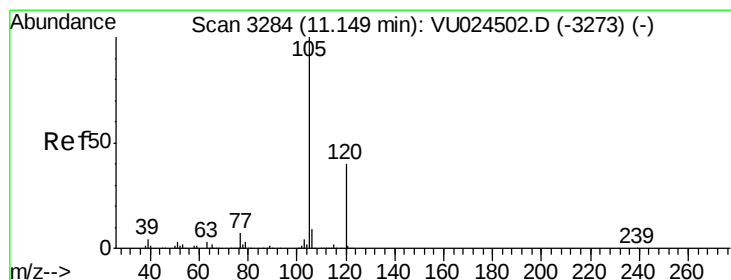
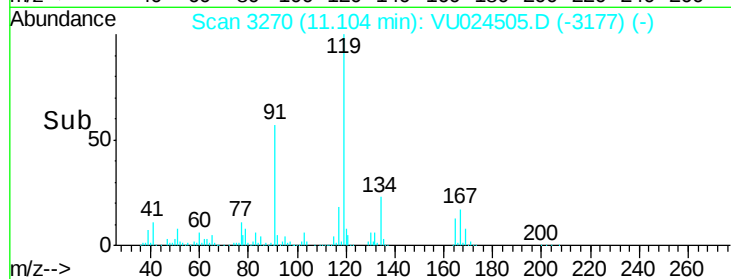
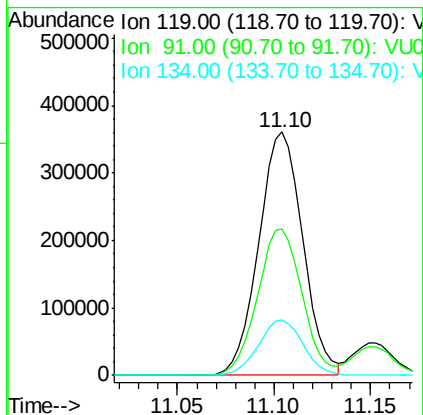
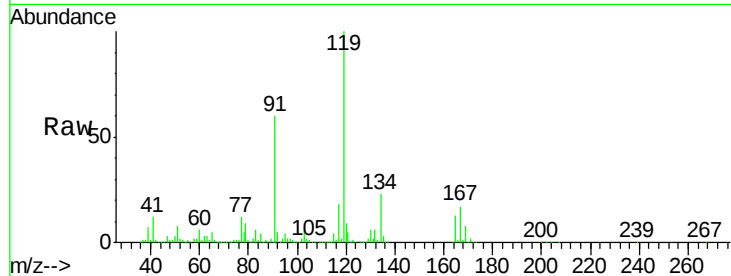
#83
 tert-Butylbenzene
 Concen: 48.356 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

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	

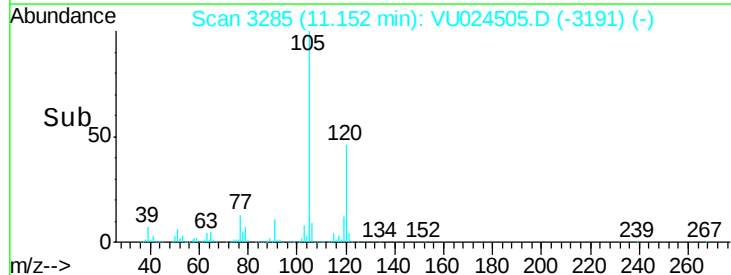
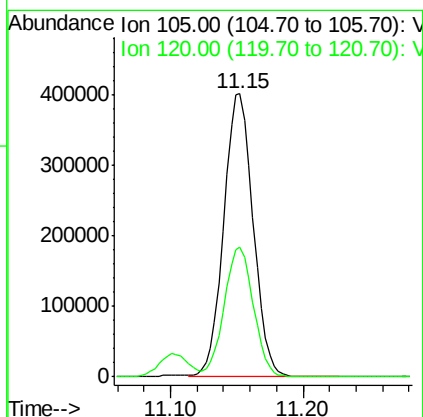
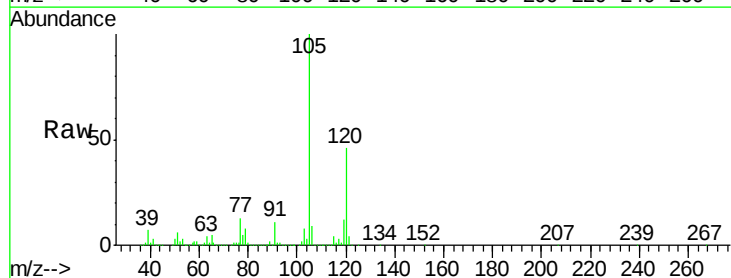
Manual Integrations
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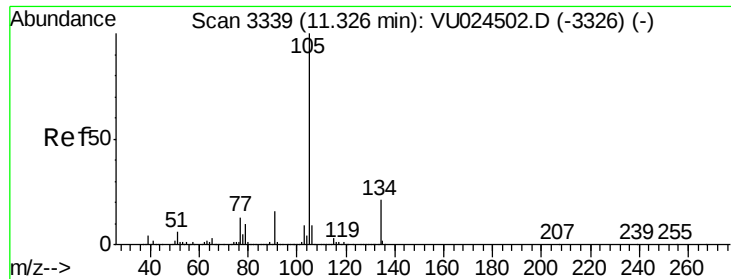
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.301 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

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





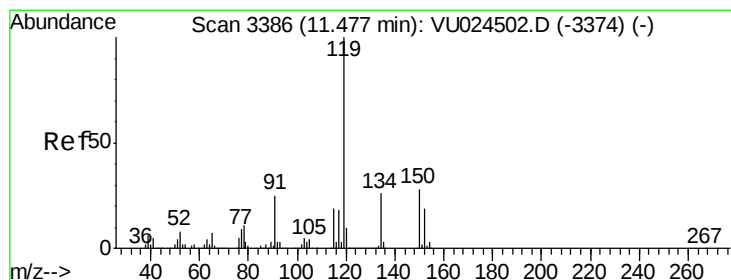
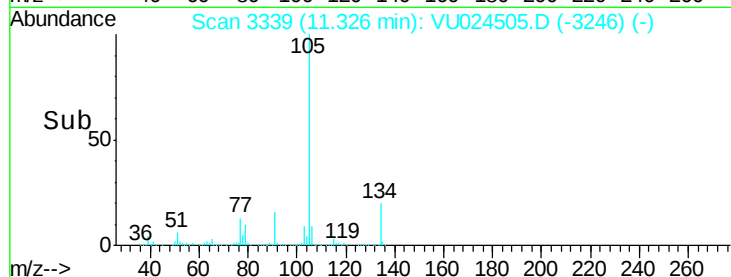
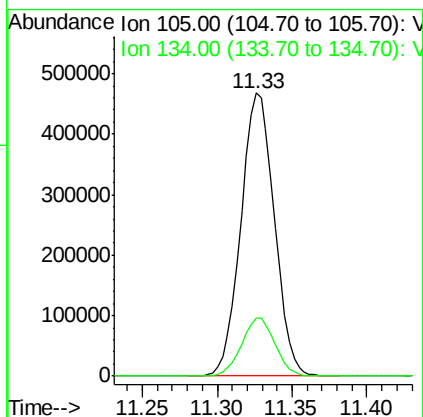
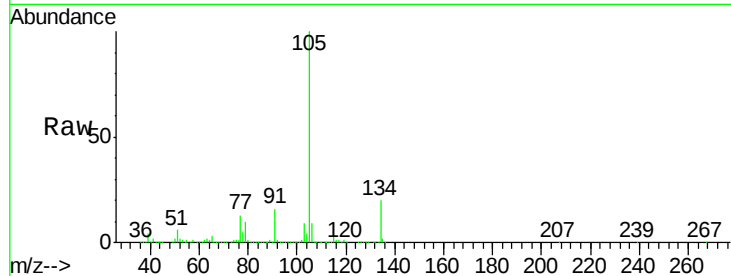
#85
 sec-Butylbenzene
 Concen: 49.364 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU061318

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

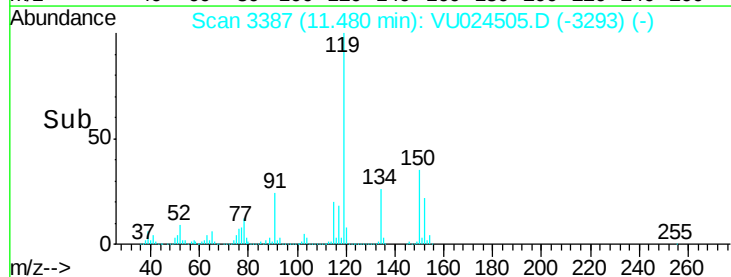
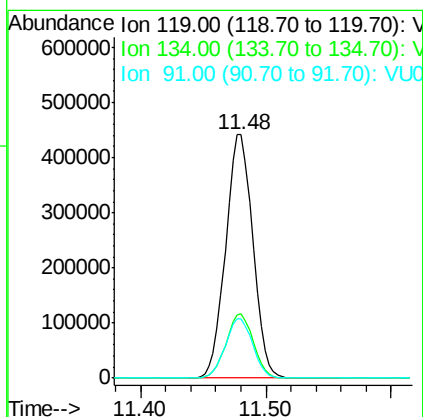
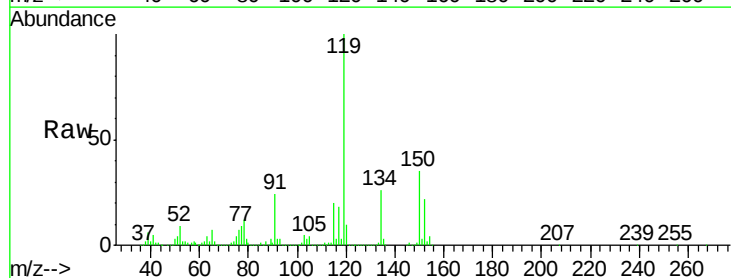
Manual Integrations
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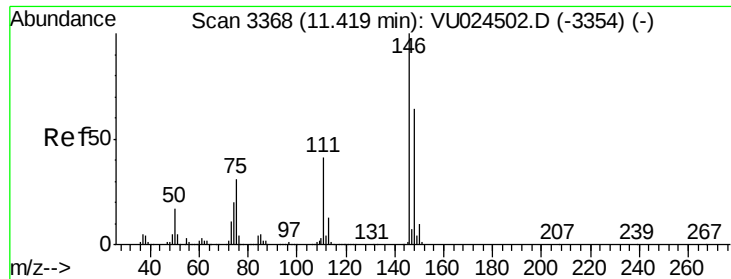
MMDadoda
 6/14/2018 9:44:48 AM



#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	





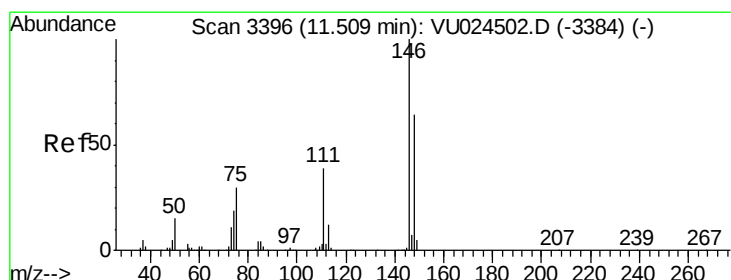
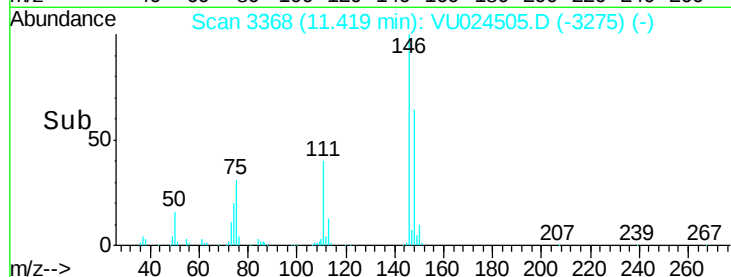
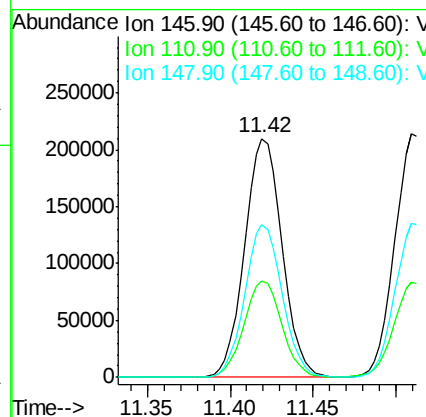
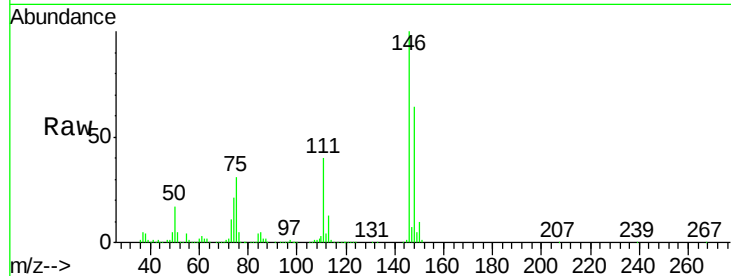
#87
 1,3-Dichlorobenzene
 Concen: 49.777 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

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

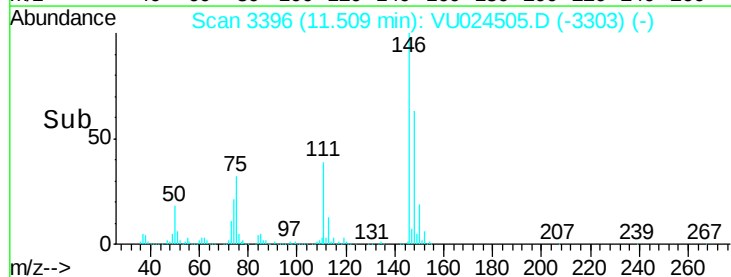
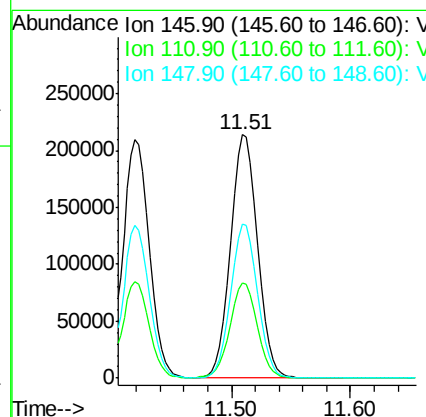
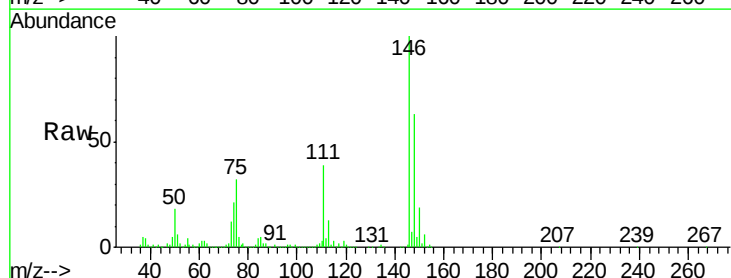
Manual Integrations
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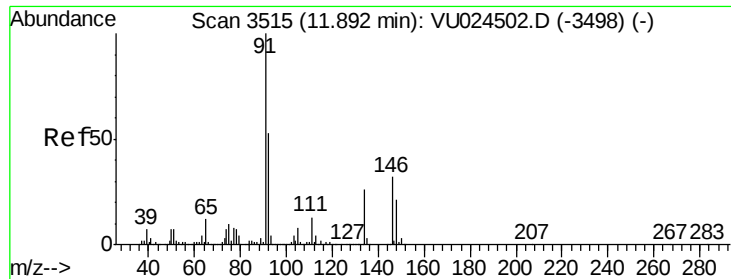
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 50.588 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

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





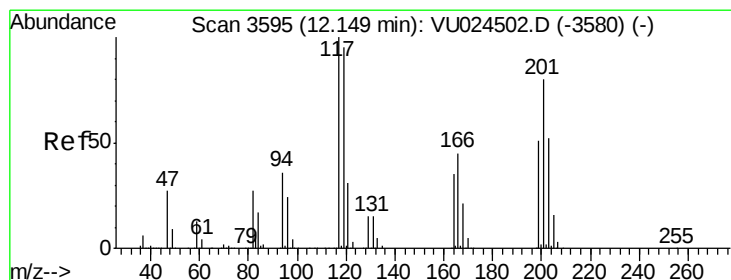
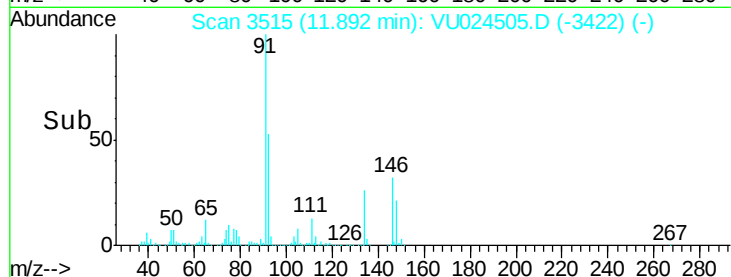
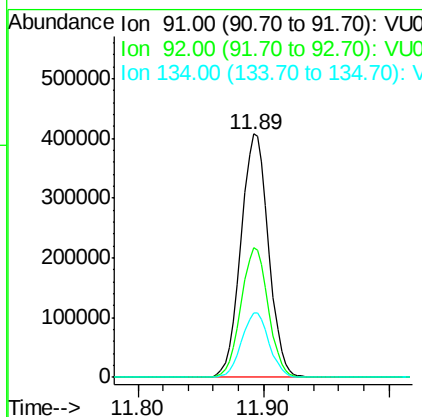
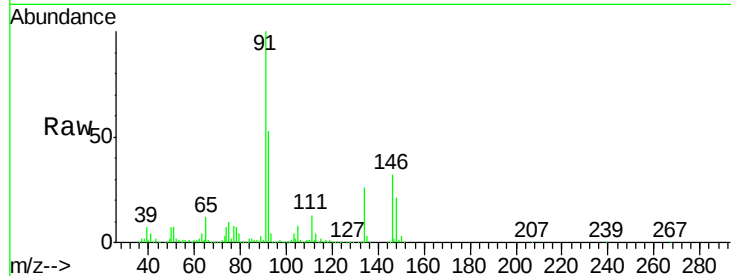
#89
n-Butylbenzene
Concen: 52.728 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Instrument :
MSVOA_U
ClientSampleId :
ICVVU061318

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	619881		
92	53.0	25.6	76.8	
134	26.6	12.3	36.8	

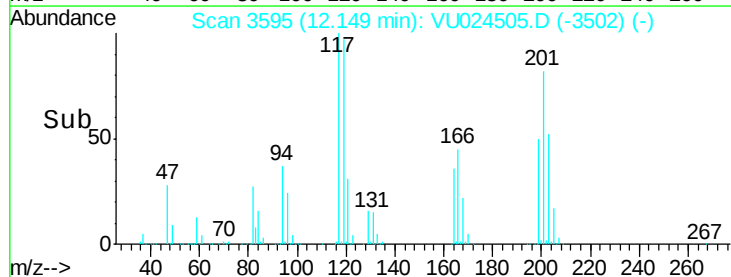
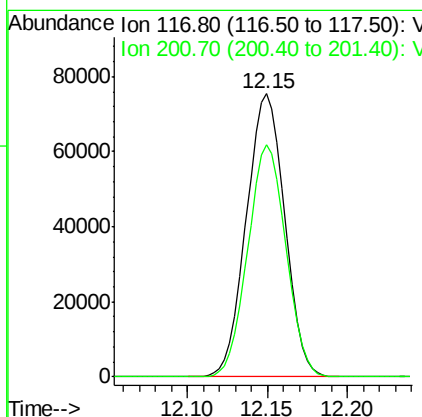
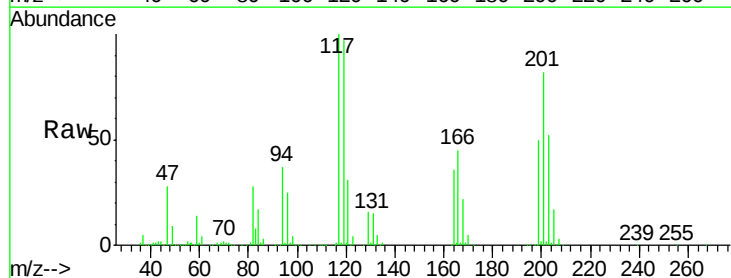
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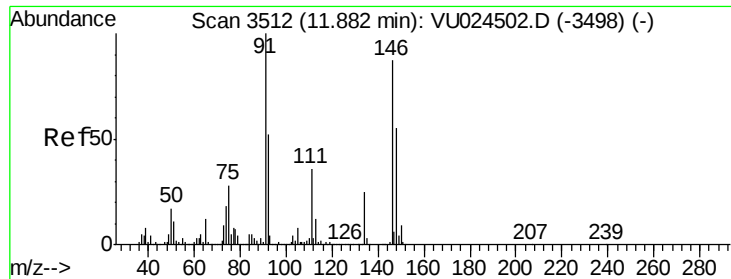
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#90
Hexachloroethane
Concen: 48.065 ug/l
RT: 12.15 min Scan# 3595
Delta R.T. -0.00 min
Lab File: VU024505.D
Acq: 13 Jun 2018 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	124160		
201	81.5	41.1	123.3	





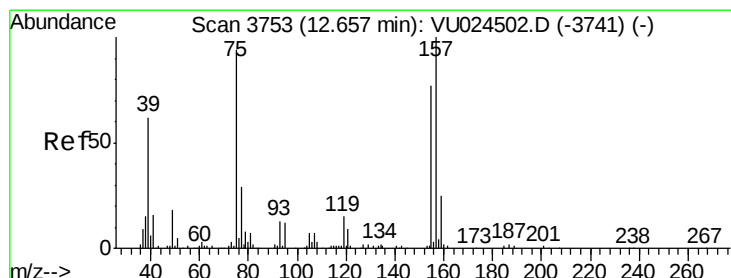
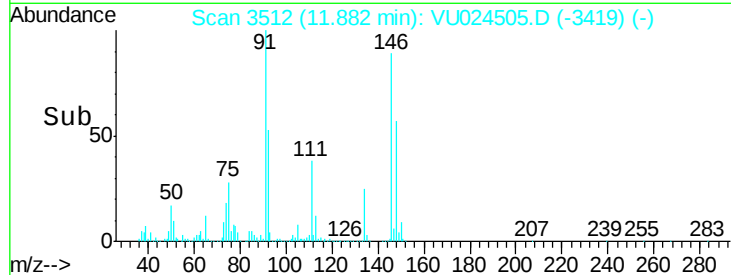
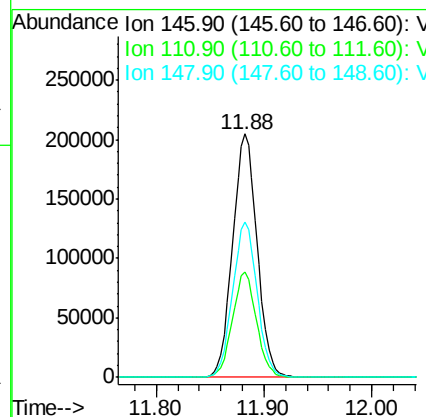
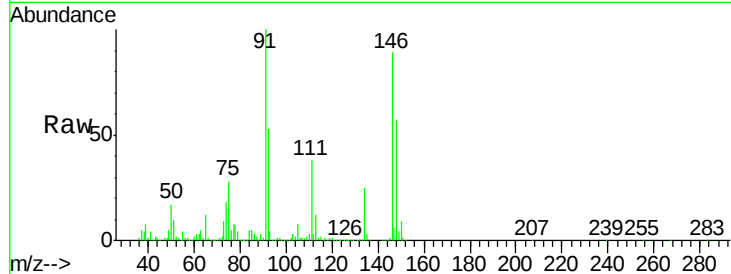
#91
 1,2-Dichlorobenzene
 Concen: 48.826 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

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	

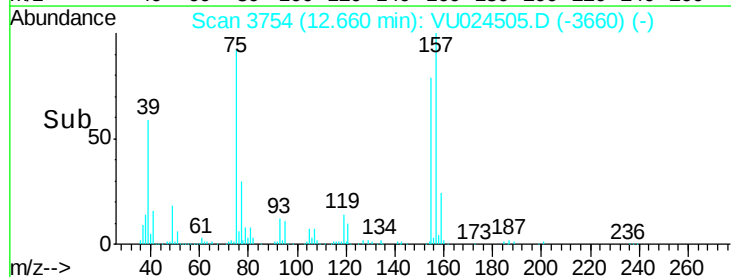
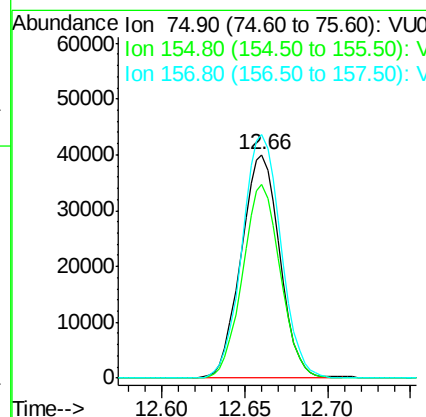
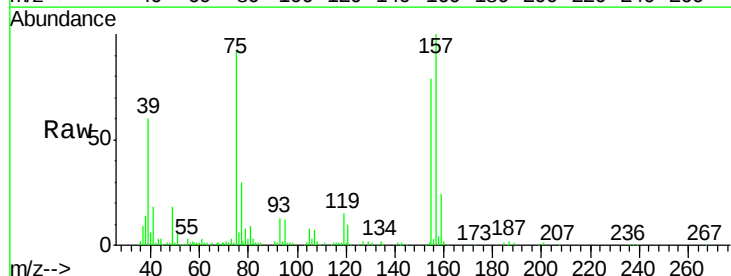
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.536 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

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





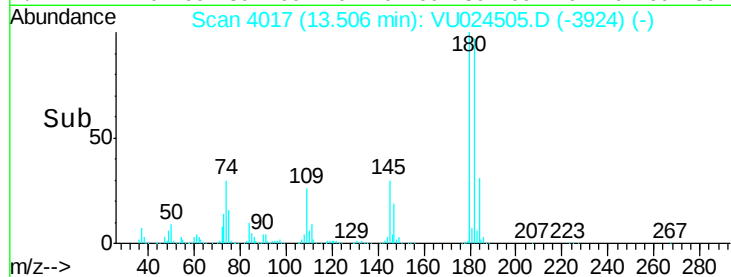
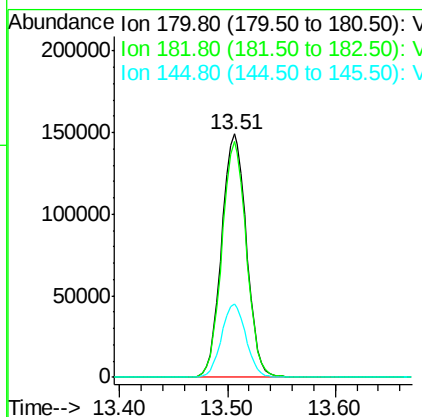
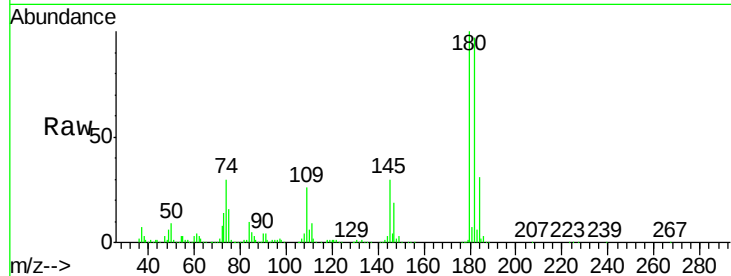
#93
 1,2,4-Trichlorobenzene
 Concen: 58.374 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

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	

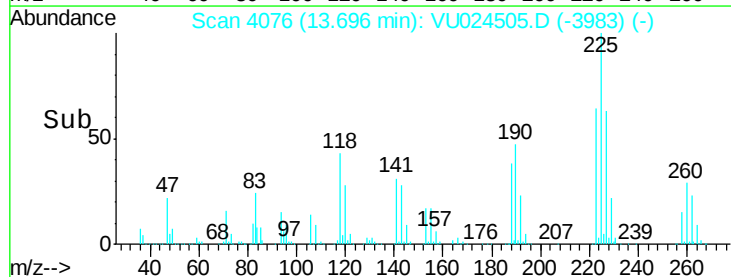
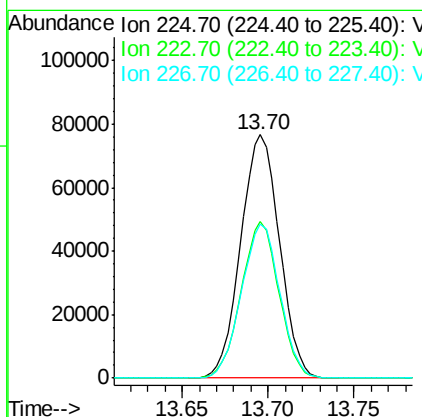
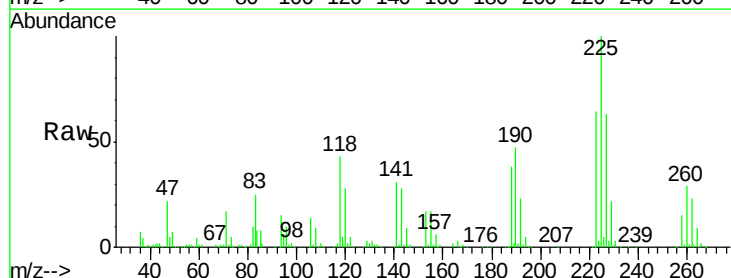
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#94
 Hexachlorobutadiene
 Concen: 52.115 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. -0.00 min
 Lab File: VU024505.D
 Acq: 13 Jun 2018 13:54

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

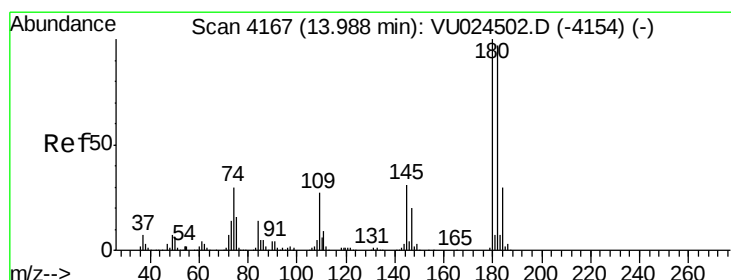
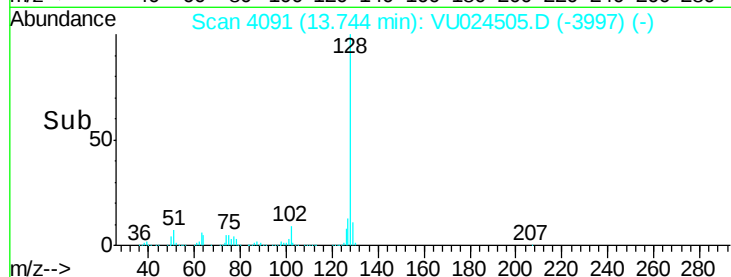
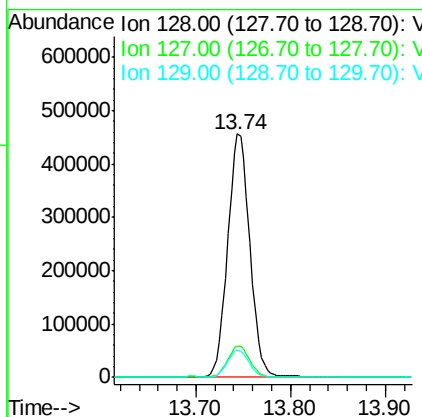
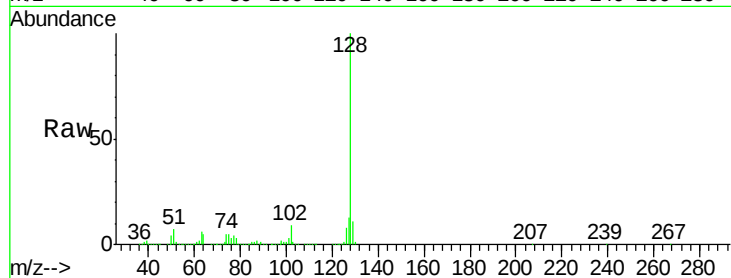
ClientSampleId :

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
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#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

