

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU070718\
 Data File : VU025261.D
 Acq On : 06 Jul 2018 23:45
 Operator : MD/SY
 Sample : J3808-09MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 12:58:03 PM

Quant Time: Jul 07 01:05:19 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	155688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	242814	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	228404	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	137157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.31	65	135990	53.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.00%	
35) Dibromofluoromethane	4.89	113	109084	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
50) Toluene-d8	7.57	98	359142	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
62) 4-Bromofluorobenzene	10.31	95	146153	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	78579	40.323	ug/l	99
3) Chloromethane	1.33	50	87260	43.829	ug/l	97
4) Vinyl Chloride	1.40	62	102936	50.135	ug/l	99
5) Bromomethane	1.61	94	58622	59.062	ug/l	98
6) Chloroethane	1.69	64	63219	55.212	ug/l	98
7) Trichlorofluoromethane	1.88	101	142726	45.550	ug/l	98
8) Diethyl Ether	2.10	74	59955	56.469	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	2.29	101	81261	41.803	ug/l	96
10) Methyl Iodide	2.41	142	112718	66.558	ug/l	97
11) Tert butyl alcohol	2.83	59	155372	251.350	ug/l	99
12) 1,1-Dichloroethene	2.28	96	82474	46.523	ug/l	95
13) Acrolein	2.19	56	82293	253.516	ug/l	100
14) Allyl chloride	2.59	41	146179	44.411	ug/l	99
15) Acrylonitrile	2.94	53	311672	259.148	ug/l	99
16) Acetone	2.32	43	293410	214.855	ug/l	97
17) Carbon Disulfide	2.48	76	219318	38.637	ug/l	98
18) Methyl Acetate	2.62	43	141596	48.366	ug/l	97
19) Methyl tert-butyl Ether	3.00	73	351600	52.764	ug/l	96
20) Methylene Chloride	2.70	84	103294	48.206	ug/l	97
21) trans-1,2-Dichloroethene	2.98	96	93456	47.865	ug/l	98
22) Diisopropyl ether	3.57	45	334826	51.315	ug/l	97
23) Vinyl Acetate	3.53	43	1397458	239.088	ug/l	99
24) 1,1-Dichloroethane	3.45	63	189532	50.494	ug/l	98
25) 2-Butanone	4.26	43	460267	250.917	ug/l	94
26) 2,2-Dichloropropane	4.23	77	138137	38.757	ug/l	100
27) cis-1,2-Dichloroethene	4.23	96	135696	60.452	ug/l	95
28) Bromochloromethane	4.55	49	102853	62.210	ug/l	85
29) Tetrahydrofuran	4.64	42	291634	256.732	ug/l	97
30) Chloroform	4.68	83	199562	52.527	ug/l	99
31) Cyclohexane	5.00	56	142930	42.587	ug/l	94
32) 1,1,1-Trichloroethane	4.92	97	176420	50.215	ug/l	97
36) 1,1-Dichloropropene	5.14	75	132270	46.358	ug/l	97
37) Ethyl Acetate	4.38	43	160791	51.704	ug/l	98
38) Carbon Tetrachloride	5.14	117	152174	48.500	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.42	83	144415	40.559	ug/l	94
40) Benzene	5.39	78	454723	55.930	ug/l	99
41) Methacrylonitrile	4.54	41	94630	56.438	ug/l	98
42) 1,2-Dichloroethane	5.41	62	172479	55.701	ug/l	100
43) Isopropyl Acetate	5.55	43	258414	48.073	ug/l	99
44) Trichloroethene	6.19	130	120285	51.985	ug/l	95
45) 1,2-Dichloropropane	6.44	63	111158	51.241	ug/l	99
46) Dibromomethane	6.56	93	80289	52.691	ug/l	94
47) Bromodichloromethane	6.76	83	151367	49.886	ug/l	99
48) Methyl methacrylate	6.63	41	135514	51.771	ug/l	98
49) 1,4-Dioxane	6.62	88	64402	1258.111	ug/l	97
51) 4-Methyl-2-Pentanone	7.46	43	880278	260.656	ug/l	98
52) Toluene	7.64	92	261405	49.975	ug/l	98
53) t-1,3-Dichloropropene	7.88	75	160003	46.956	ug/l	99
54) cis-1,3-Dichloropropene	7.27	75	166711	45.915	ug/l	99
55) 1,1,2-Trichloroethane	8.07	97	109511	51.505	ug/l	99
56) Ethyl methacrylate	8.02	69	180055	50.595	ug/l	99
57) 1,3-Dichloropropane	8.25	76	188783	52.633	ug/l	98
59) 2-Hexanone	8.36	43	698104	253.199	ug/l	100
60) Dibromochloromethane	8.48	129	126833	47.836	ug/l	99
61) 1,2-Dibromoethane	8.59	107	121484	51.334	ug/l	97
64) Tetrachloroethene	8.23	164	97000	44.678	ug/l	97
65) Chlorobenzene	9.12	112	485511	83.208	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.21	131	112476	50.738	ug/l	97
67) Ethyl Benzene	9.25	91	506786	49.544	ug/l	99
68) m/p-Xylenes	9.38	106	390245	99.351	ug/l	98
69) o-Xylene	9.78	106	197955	50.923	ug/l	97
70) Stvrene	9.80	104	323365	50.619	ug/l	99
71) Bromoform	9.96	173	97453	46.251	ug/l #	100
73) Isopropylbenzene	10.17	105	519332	49.318	ug/l	99
74) N-amyl acetate	10.01	43	227090	45.339	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.46	83	190764	54.060	ug/l	99
76) 1,2,3-Trichloropropane	10.50	75	167215m	55.375	ug/l	
77) Bromobenzene	10.45	156	138974	52.130	ug/l	94
78) n-propylbenzene	10.59	91	586208	47.257	ug/l	97
79) 2-Chlorotoluene	10.66	91	358742	49.041	ug/l	97
80) 1,3,5-Trimethylbenzene	10.78	105	447749	49.057	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.51	75	56589m	43.372	ug/l	
82) 4-Chlorotoluene	10.78	91	407780	47.894	ug/l	98
83) tert-Butylbenzene	11.10	119	463651	52.810	ug/l	99
84) 1,2,4-Trimethylbenzene	11.15	105	459954	49.450	ug/l	100
85) sec-Butylbenzene	11.33	105	551705	50.202	ug/l	92
86) p-Isopropyltoluene	11.48	119	469983	47.750	ug/l	99
87) 1,3-Dichlorobenzene	11.42	146	255516	51.879	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	261767	52.804	ug/l	99
89) n-Butylbenzene	11.89	91	377228	43.169	ug/l	98
90) Hexachloroethane	12.15	117	78889	41.087	ug/l	94
91) 1,2-Dichlorobenzene	11.88	146	321137	65.096	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.66	75	49521	50.859	ug/l	92
93) 1,2,4-Trichlorobenzene	13.51	180	164521	54.005	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.70	225	84148	49.075	ug/l	100
95) Naphthalene	13.74	128	577922	57.205	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	178588	58.832	ug/l	99

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

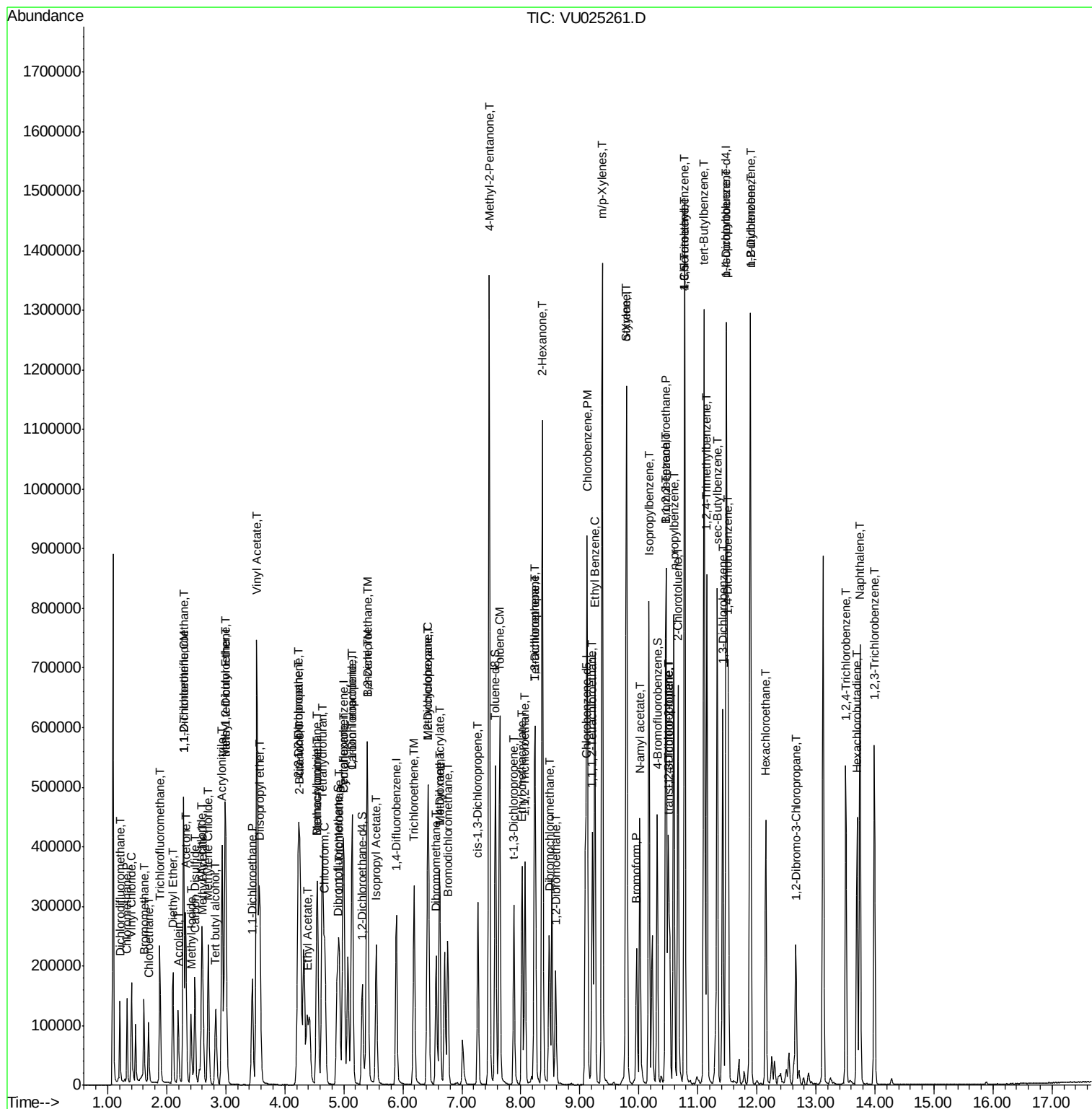
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU070718\
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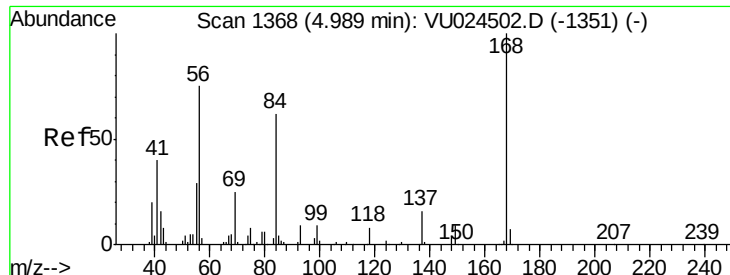
Instrument :
MSVOA_U
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Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion:168 Resp: 155688

Ion Ratio Lower Upper

168 100

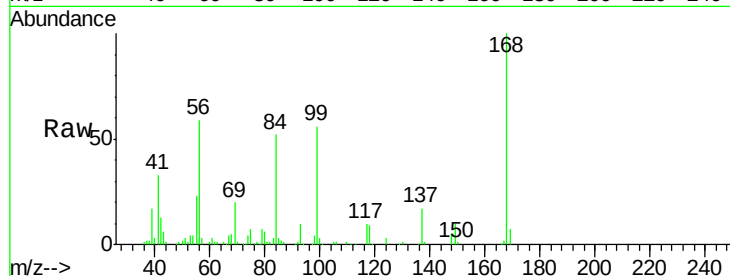
99 55.9 43.2 64.8

Manual Integrations

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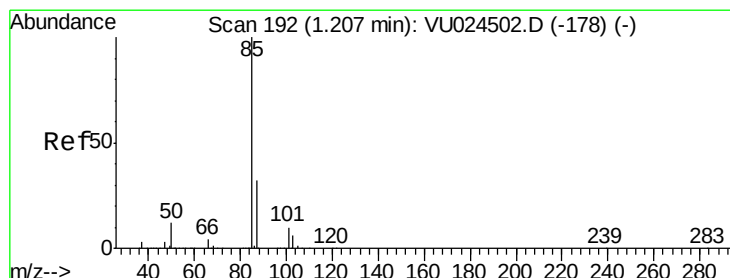
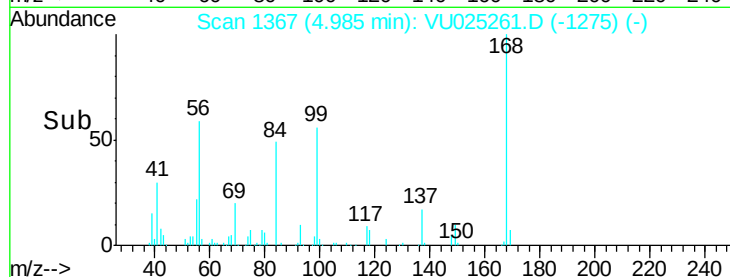
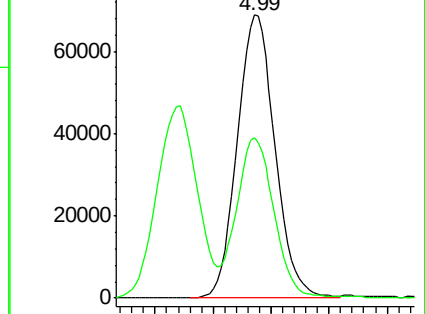
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 40.323 ug/l

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU025261.D

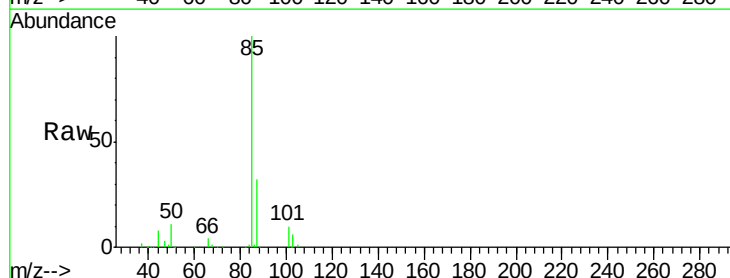
Acq: 06 Jul 2018 23:45

Tgt Ion: 85 Resp: 78579

Ion Ratio Lower Upper

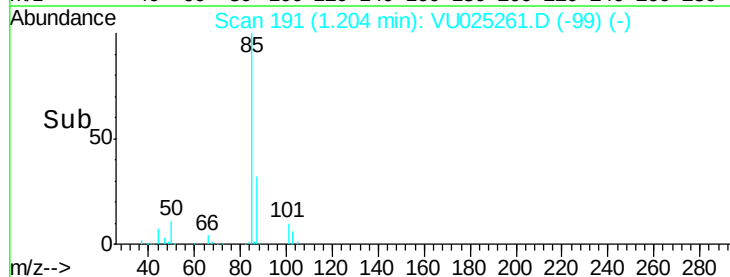
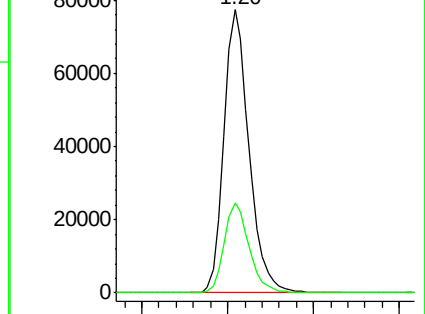
85 100

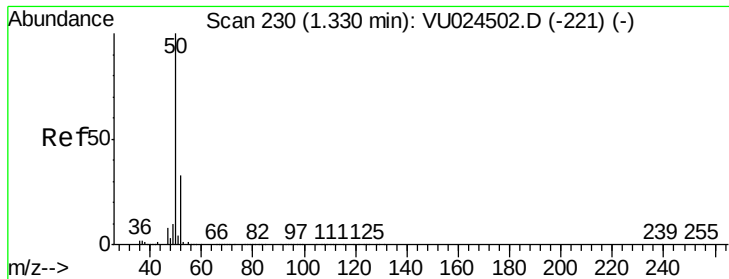
87 31.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 43.829 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion: 50 Resp: 87260

Ion Ratio Lower Upper

50 100

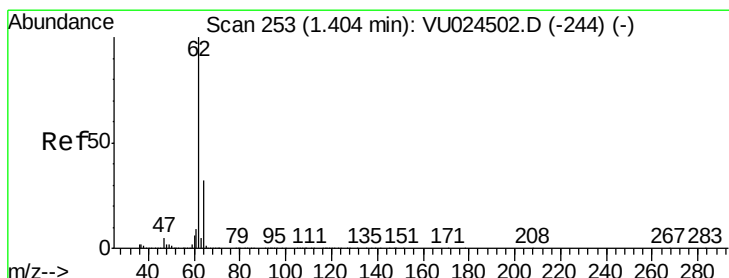
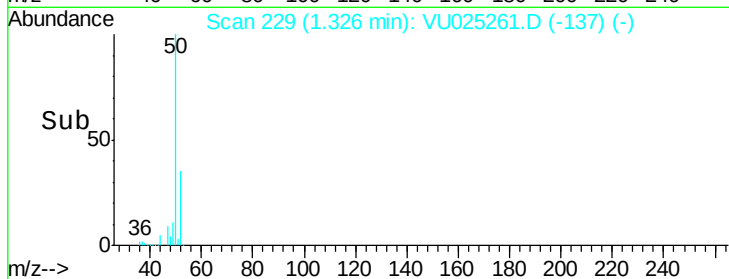
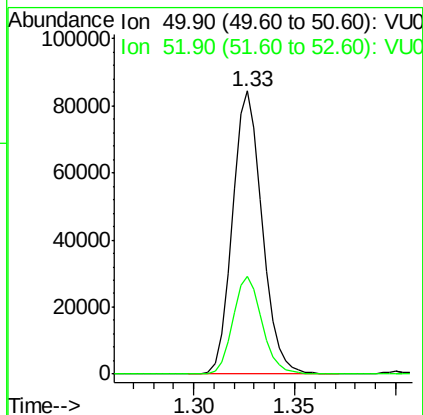
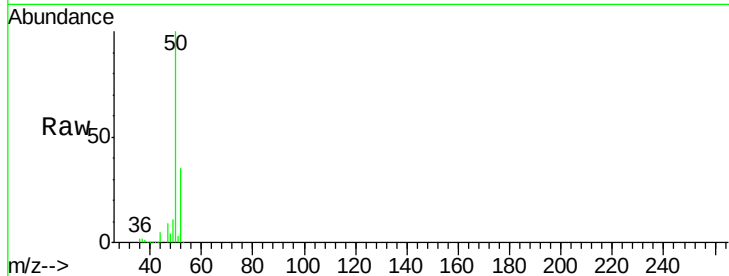
52 34.5 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 50.135 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025261.D

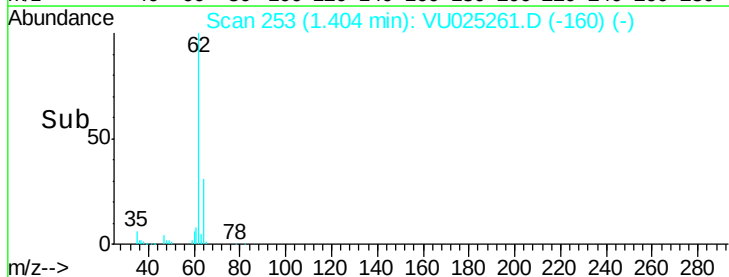
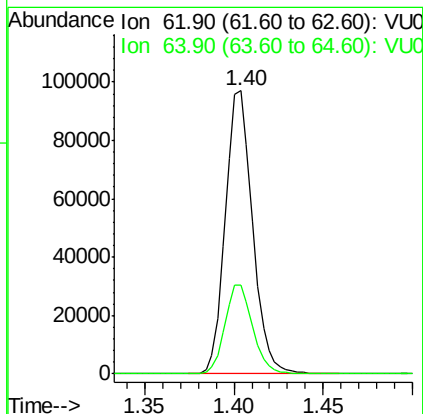
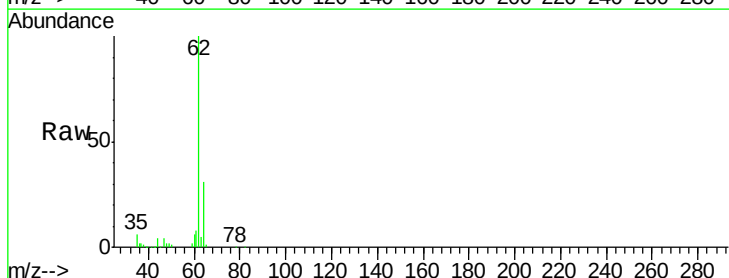
Acq: 06 Jul 2018 23:45

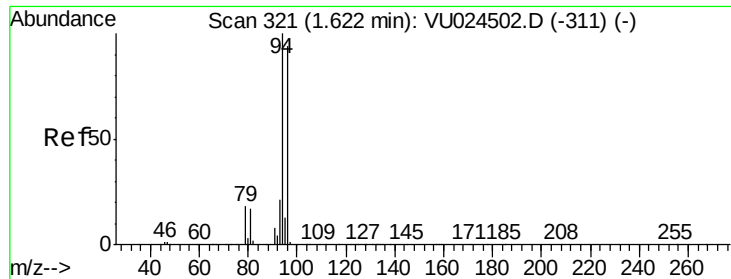
Tgt Ion: 62 Resp: 102936

Ion Ratio Lower Upper

62 100

64 31.4 24.8 37.2





#5

Bromomethane

Concen: 59.062 ug/l

RT: 1.61 min Scan# 318

Delta R.T. -0.01 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

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Tot Ion: 94 Resp: 58622

Ion Ratio Lower Upper

94 100

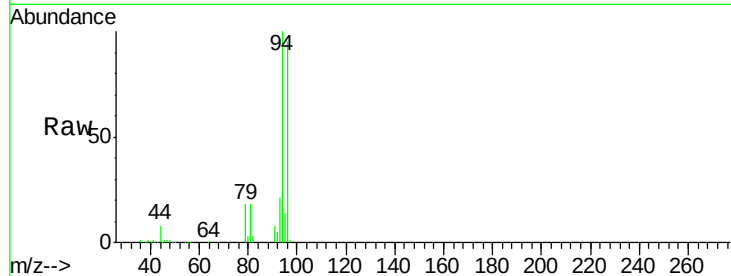
96 94.7 74.5 111.7

Manual Integrations

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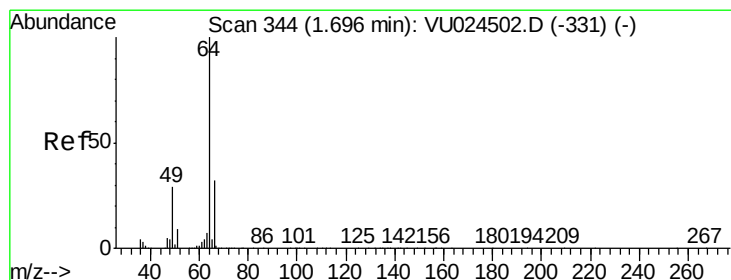
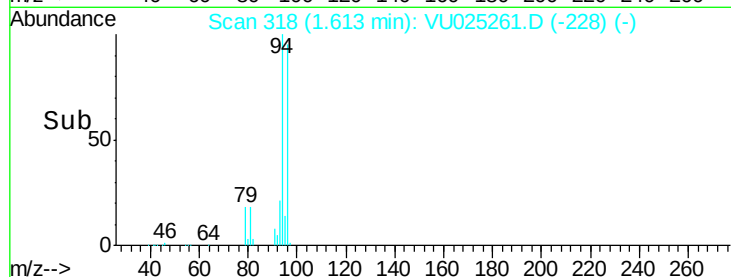
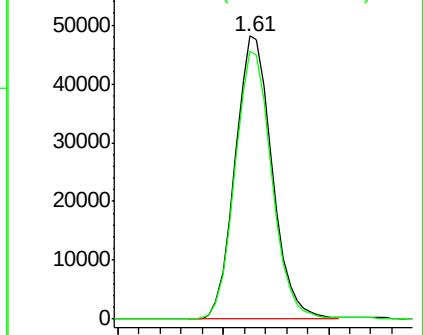
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Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#6

Chloroethane

Concen: 55.212 ug/l

RT: 1.69 min Scan# 343

Delta R.T. -0.00 min

Lab File: VU025261.D

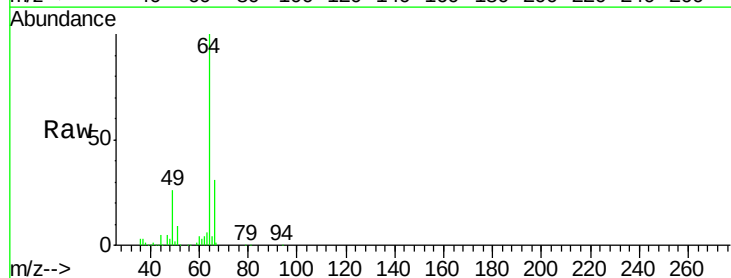
Acq: 06 Jul 2018 23:45

Tgt Ion: 64 Resp: 63219

Ion Ratio Lower Upper

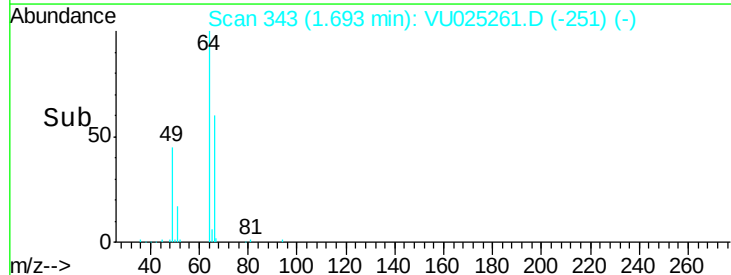
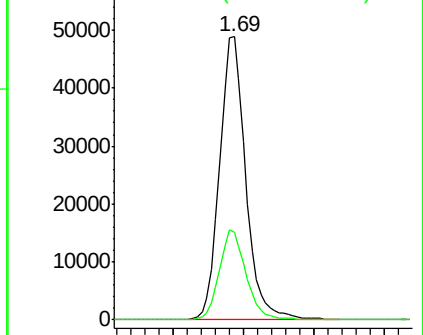
64 100

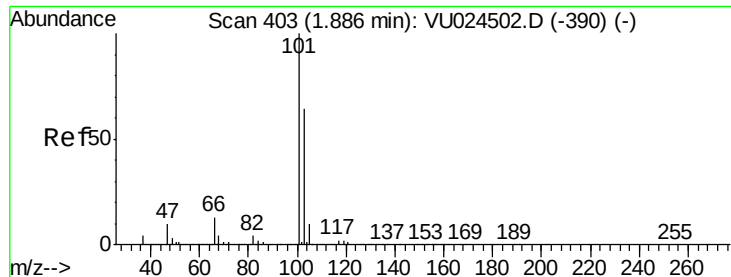
66 31.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0





#7

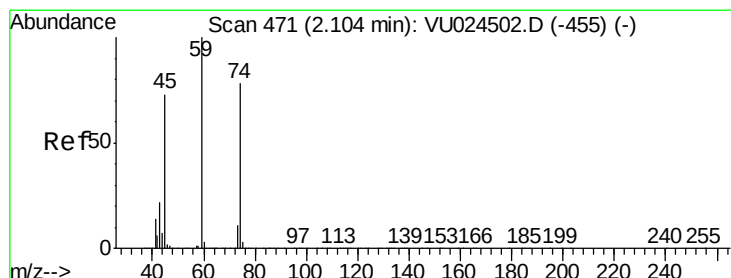
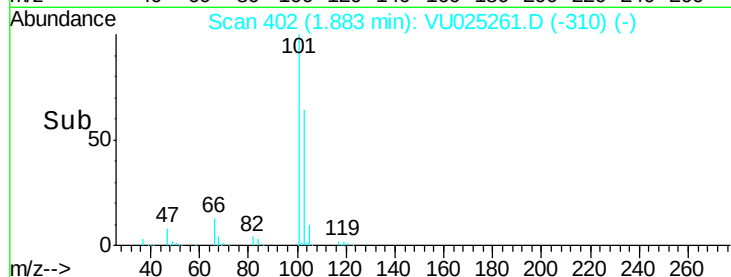
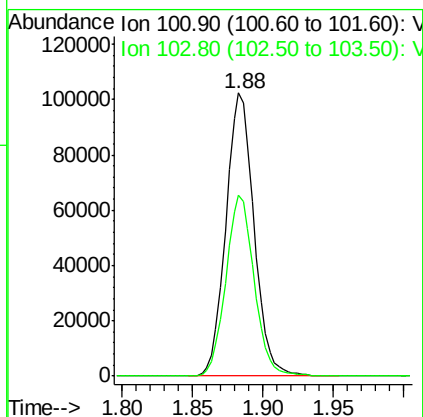
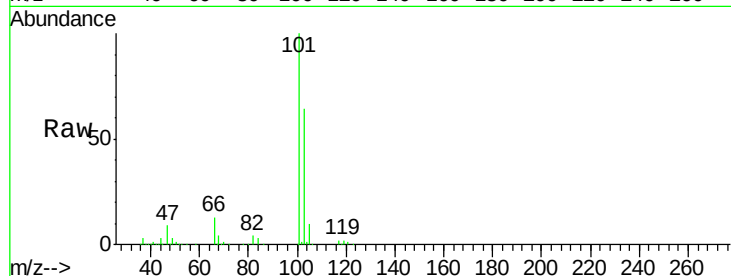
Trichlorofluoromethane
Concen: 45.550 ug/l
RT: 1.88 min Scan# 402
Delta R.T. -0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.3	78.5

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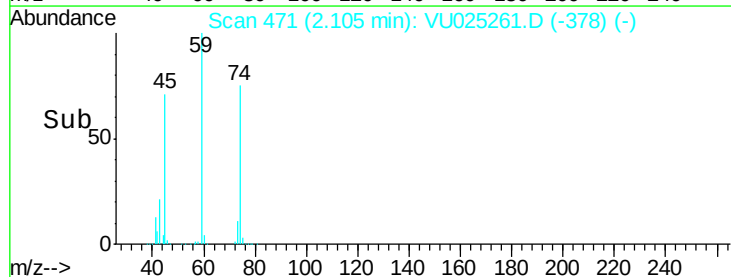
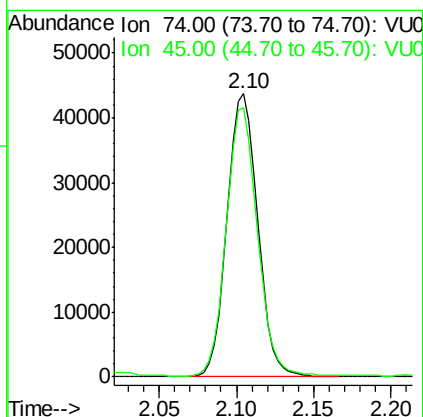
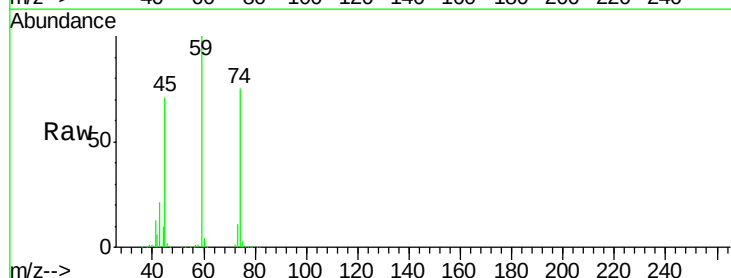
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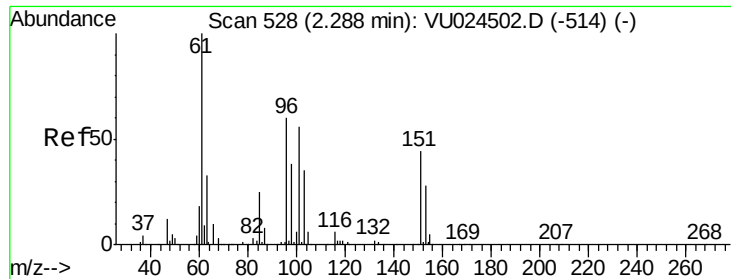


#8

Diethyl Ether
Concen: 56.469 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	55.0	165.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 41.803 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

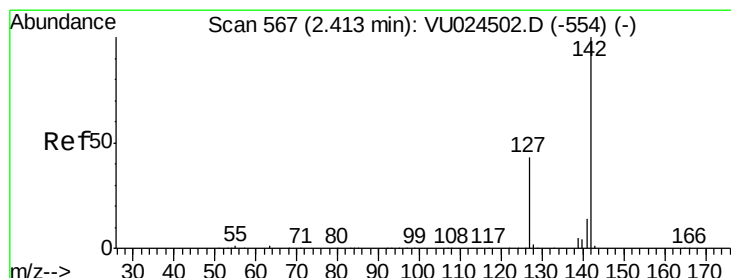
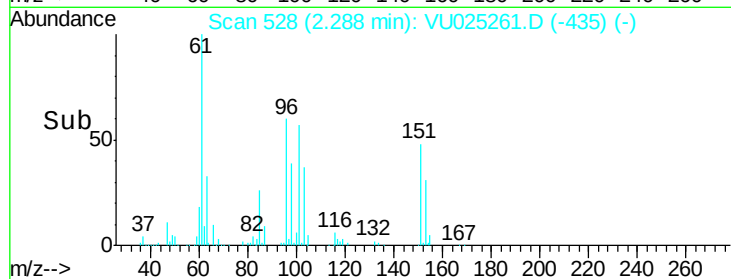
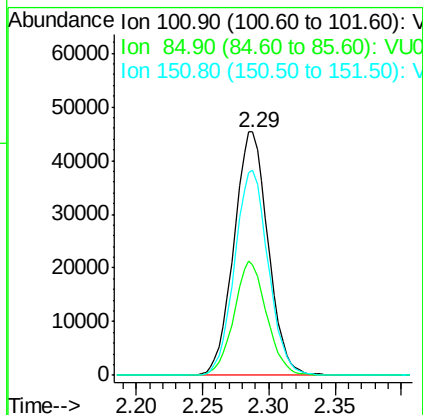
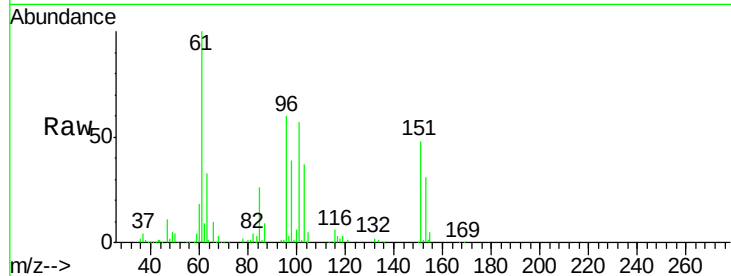
ClientSampleId :

WP021MW470-180628MSD

Tot Ion:	101	Resp:	81261
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.0	54.0
151	82.9	62.3	93.5

Manual Integrations
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#10

Methyl Iodide

Concen: 66.558 ug/l

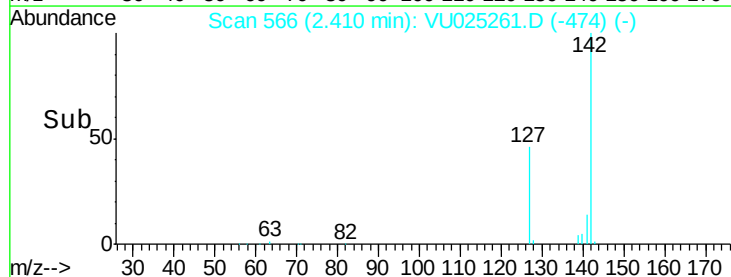
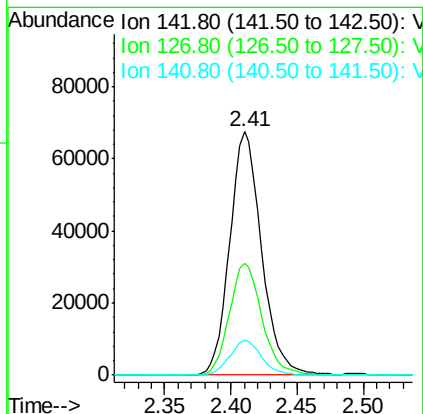
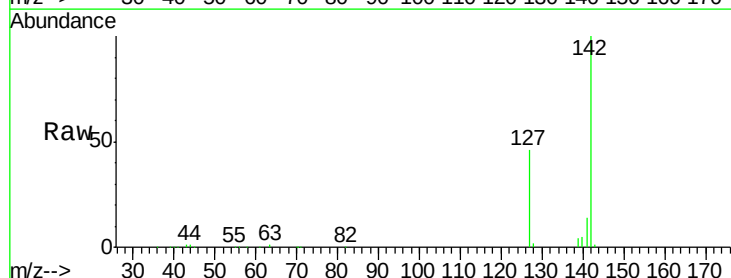
RT: 2.41 min Scan# 566

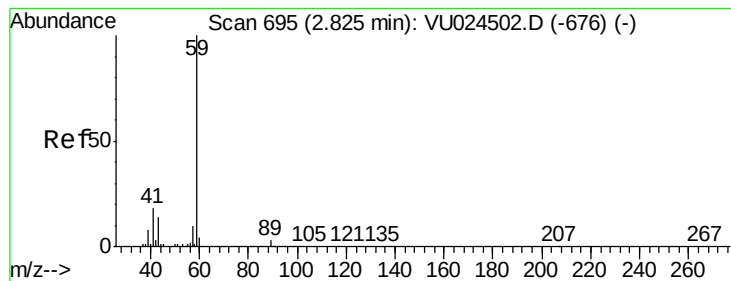
Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Tgt Ion:	142	Resp:	112718
Ion Ratio	Lower	Upper	
142	100		
127	47.0	35.6	53.4
141	14.1	11.7	17.5





#11

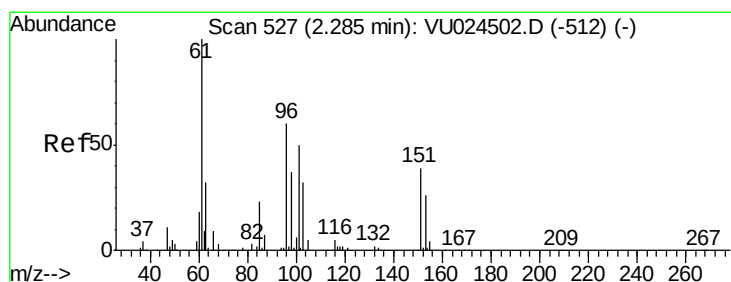
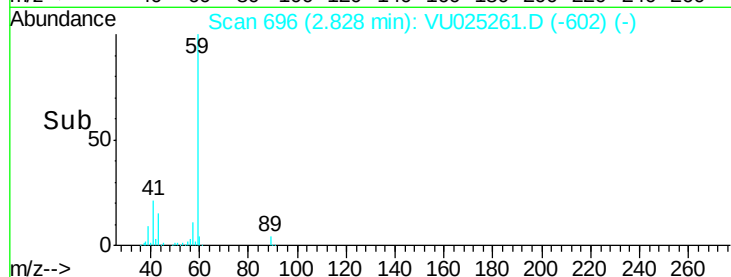
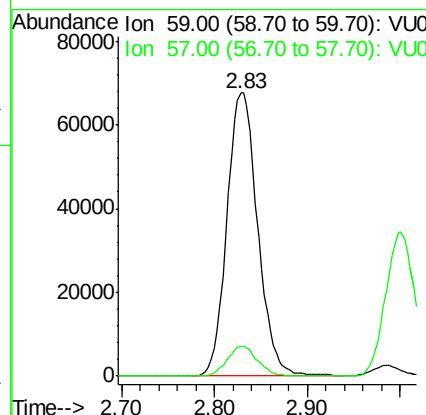
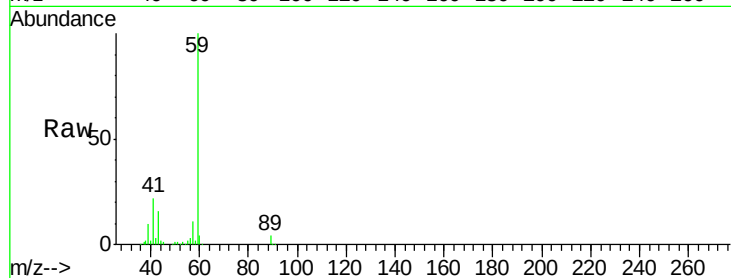
Tert butyl alcohol
Concen: 251.350 ug/l
RT: 2.83 min Scan# 696
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.5	12.7

Manual Integrations
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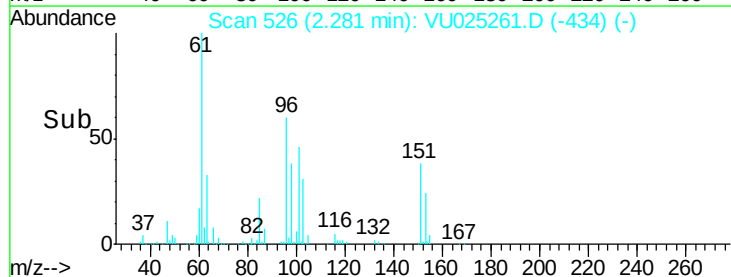
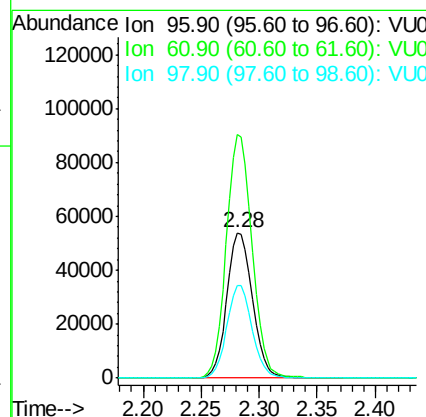
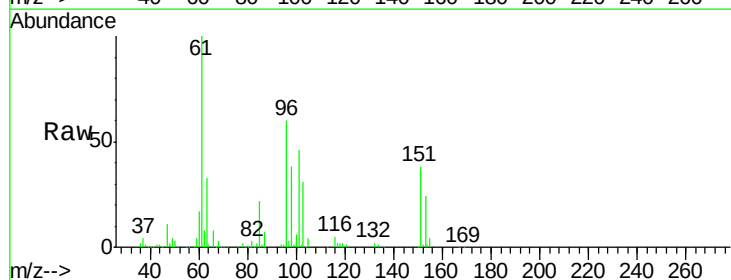
MMDadoda
7/9/2018 12:58:03 PM

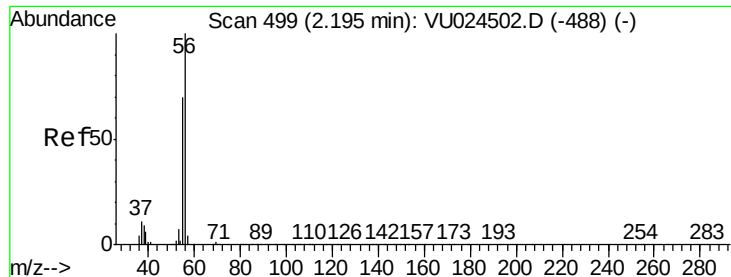


#12

1,1-Dichloroethene
Concen: 46.523 ug/l
RT: 2.28 min Scan# 526
Delta R.T. -0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.3	141.7	212.5
98	63.6	51.6	77.4





#13

Acrolein

Concen: 253.516 ug/l

RT: 2.19 min Scan# 499

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion: 56 Resp: 82293

Ion Ratio Lower Upper

56 100

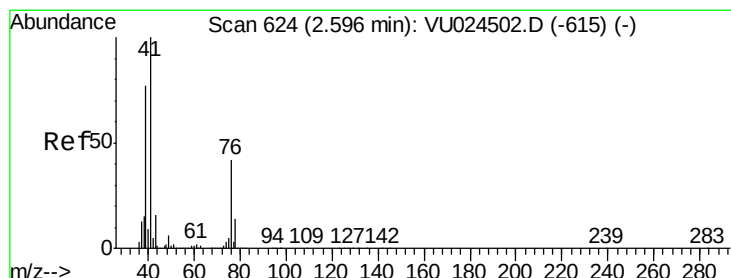
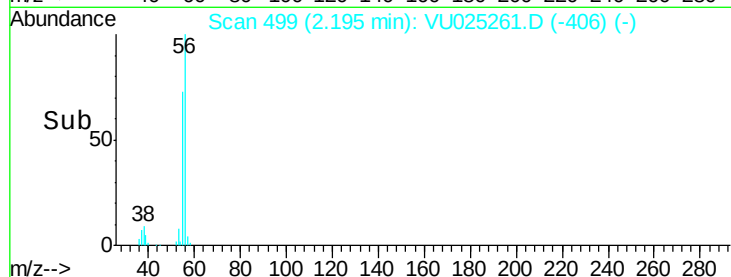
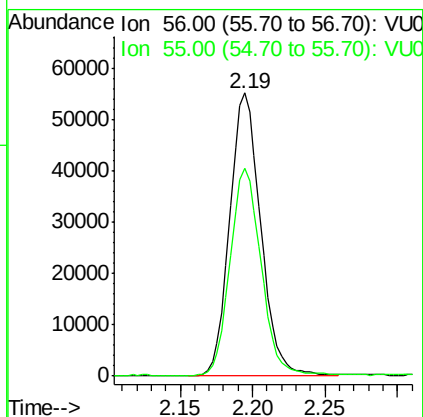
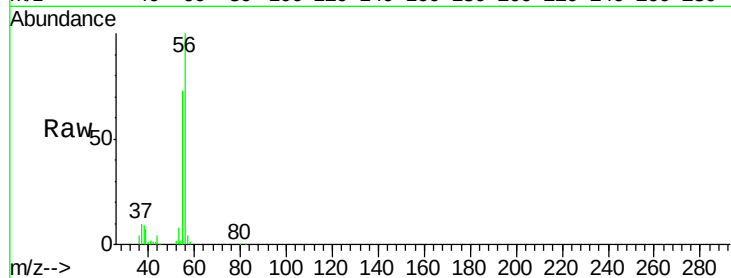
55 73.0 58.4 87.6

Manual Integrations

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#14

Allyl chloride

Concen: 44.411 ug/l

RT: 2.59 min Scan# 623

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

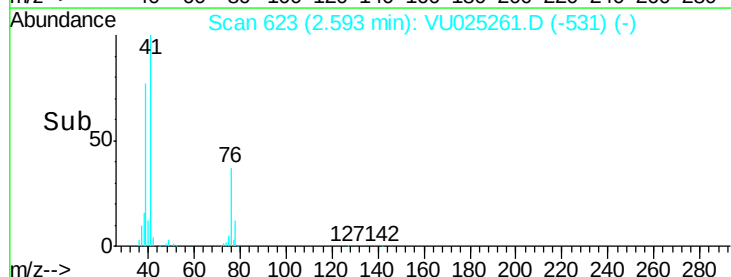
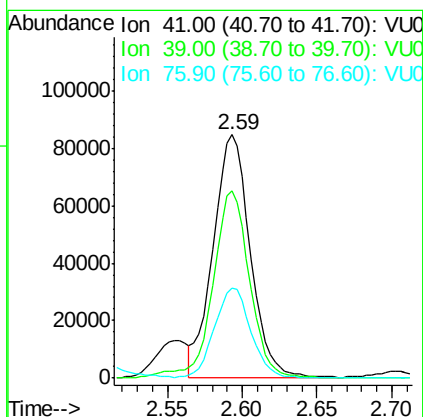
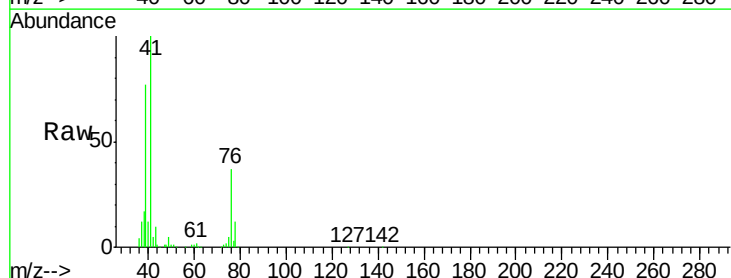
Tgt Ion: 41 Resp: 146179

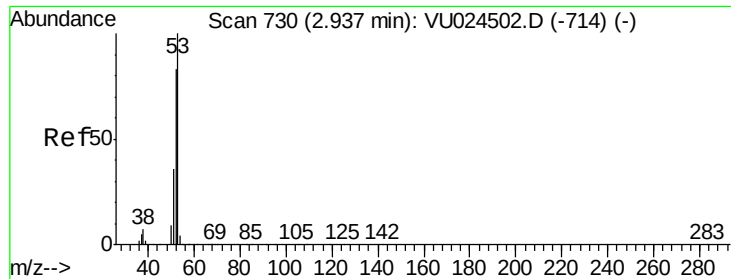
Ion Ratio Lower Upper

41 100

39 75.9 61.6 92.4

76 36.4 29.7 44.5





#15

Acrylonitrile

Concen: 259.148 ug/l

RT: 2.94 min Scan# 730

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

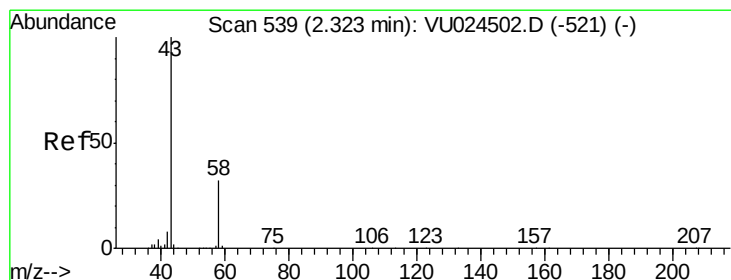
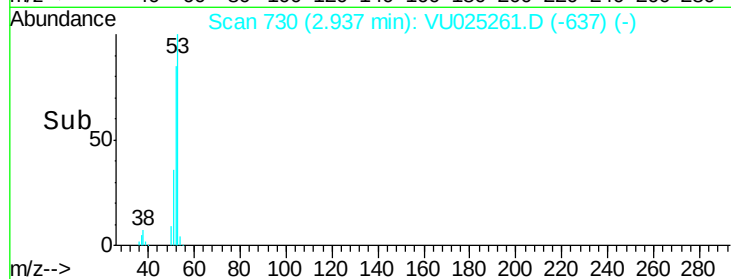
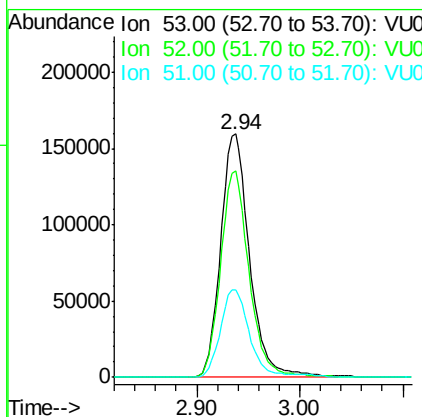
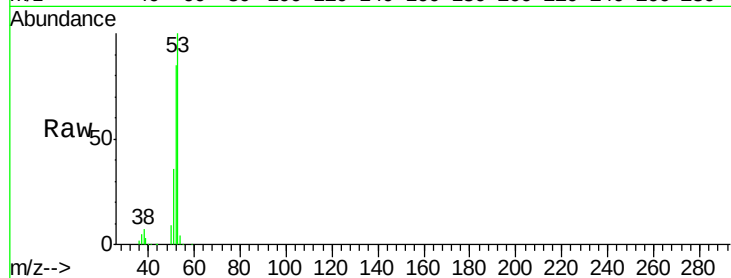
ClientSampleId :

WP021MW470-180628MSD

Tot Ion:	53	Resp:	311672
Ion	Ratio	Lower	Upper
53	100		
52	84.0	67.1	100.7
51	36.8	28.4	42.6

Manual Integrations
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#16

Acetone

Concen: 214.855 ug/l

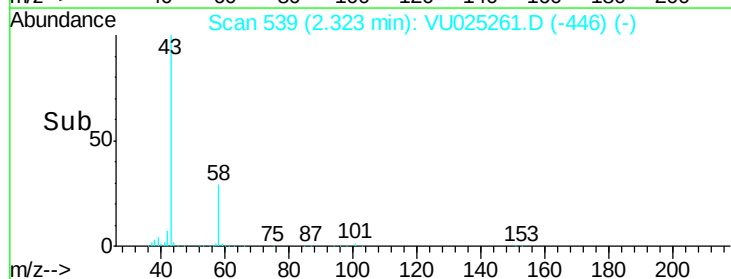
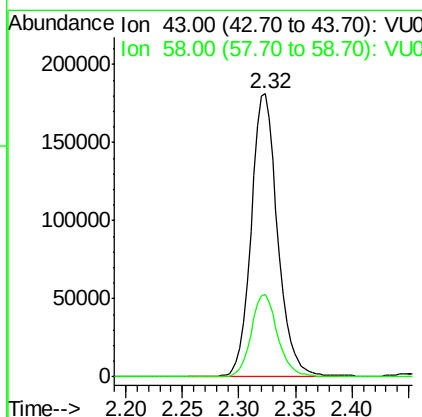
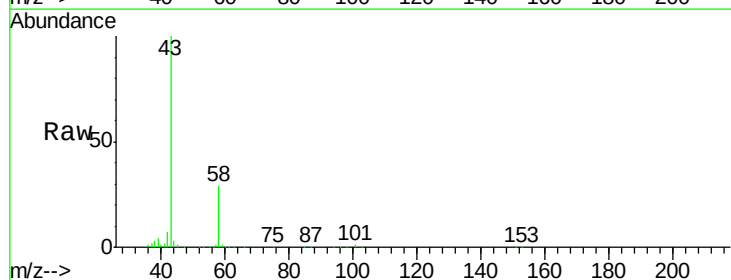
RT: 2.32 min Scan# 539

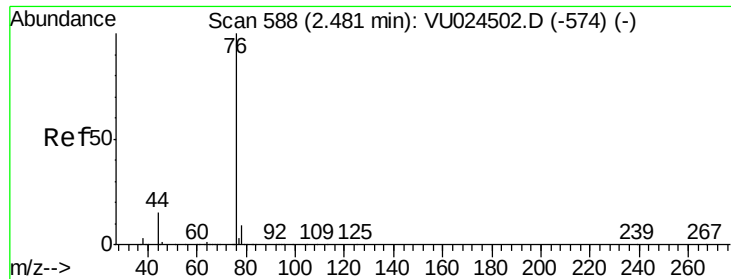
Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Tgt Ion:	43	Resp:	293410
Ion	Ratio	Lower	Upper
43	100		
58	28.9	24.4	36.6





#17

Carbon Disulfide

Concen: 38.637 ug/l

RT: 2.48 min Scan# 587

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion: 76 Resp: 219318

Ion Ratio Lower Upper

76 100

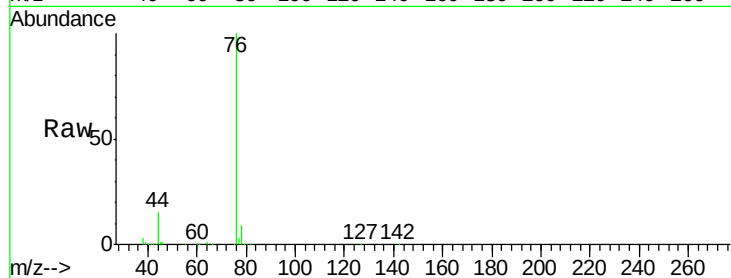
78 9.5 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0

2.48

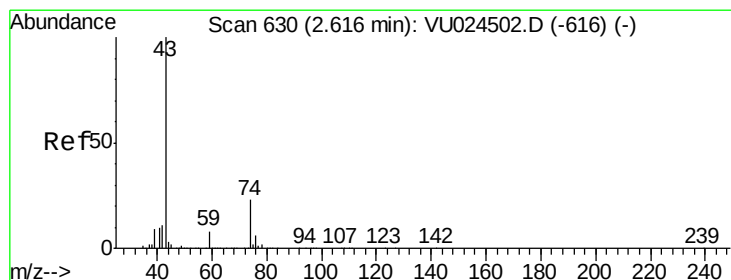
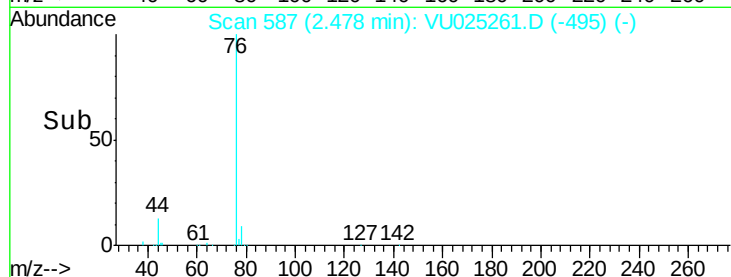
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 48.366 ug/l

RT: 2.62 min Scan# 630

Delta R.T. 0.00 min

Lab File: VU025261.D

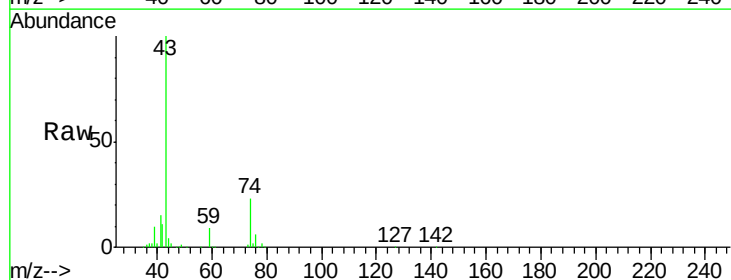
Acq: 06 Jul 2018 23:45

Tgt Ion: 43 Resp: 141596

Ion Ratio Lower Upper

43 100

74 23.7 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

100000

80000

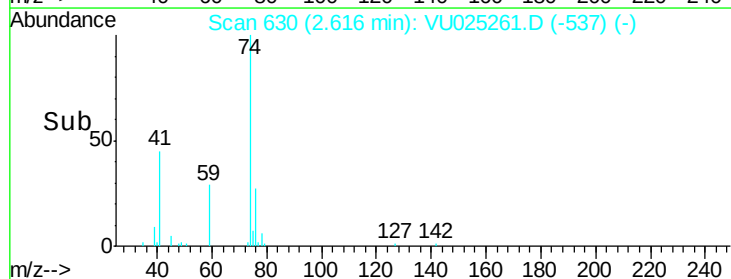
60000

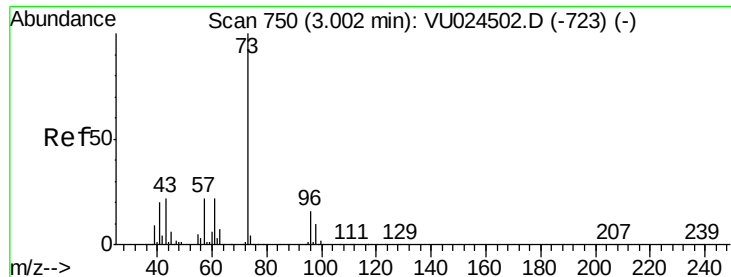
40000

20000

0

Time-->





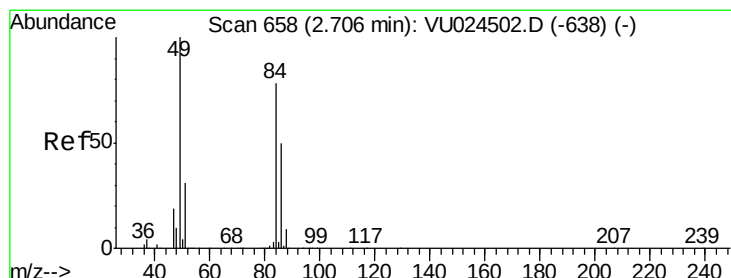
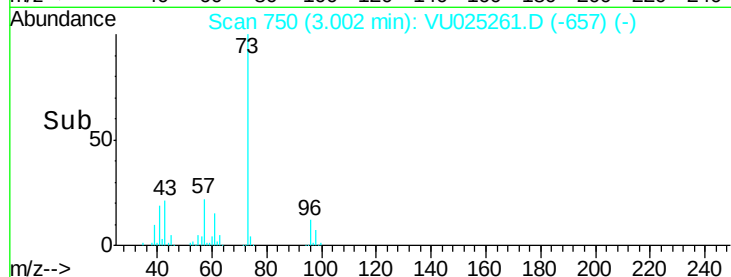
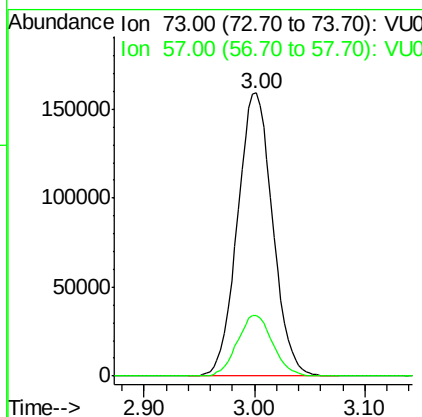
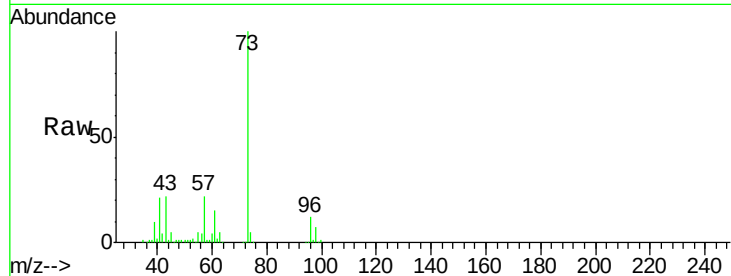
#19
Methyl tert-butyl Ether
Concen: 52.764 ug/l
RT: 3.00 min Scan# 750
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion: 73 Resp: 351600
Ion Ratio Lower Upper
73 100
57 21.5 18.8 28.2

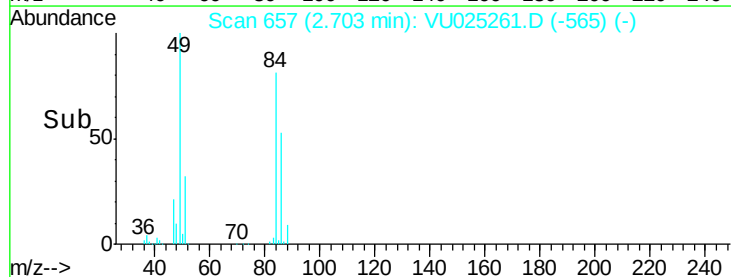
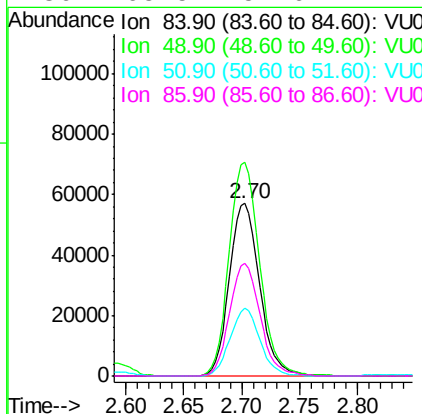
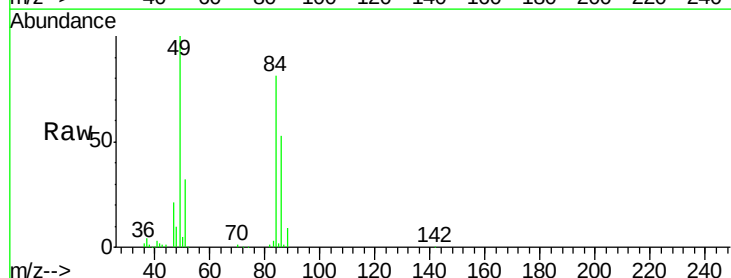
Manual Integrations
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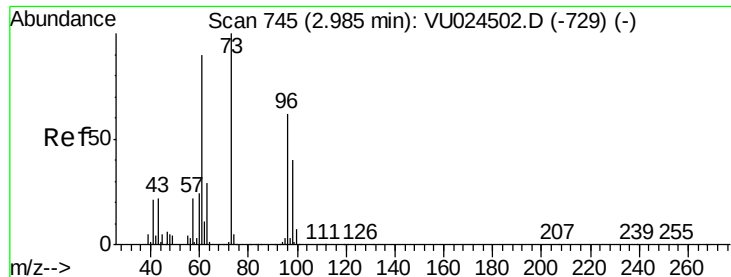
MMDadoda
7/9/2018 12:58:03 PM



#20
Methylene Chloride
Concen: 48.206 ug/l
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion: 84 Resp: 103294
Ion Ratio Lower Upper
84 100
49 123.8 103.8 155.8
51 39.1 32.0 48.0
86 65.5 51.6 77.4





#21

trans-1,2-Dichloroethene

Concen: 47.865 ug/l

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

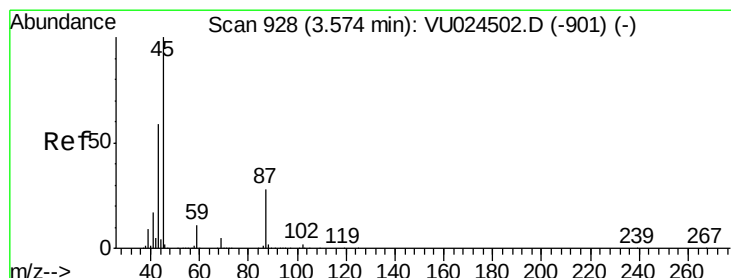
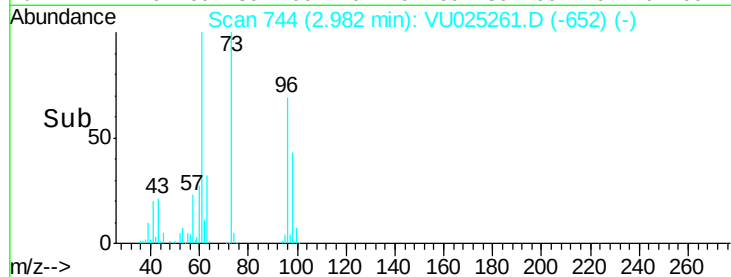
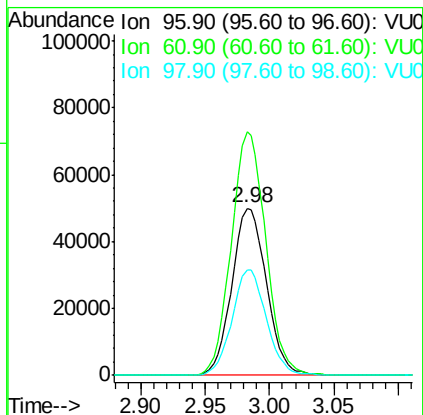
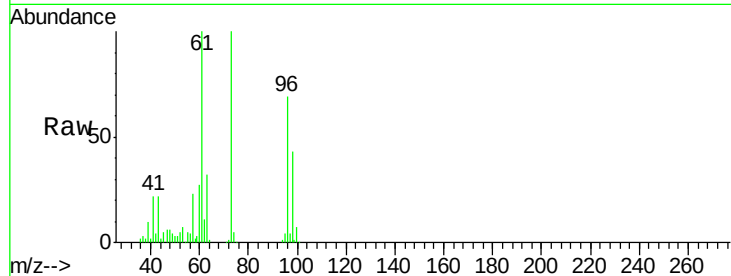
ClientSampleId :

WP021MW470-180628MSD

Tot Ion:	96	Resp:	93456
Ion Ratio	Lower	Upper	
96	100		
61	145.7	119.4	179.0
98	63.2	51.1	76.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.315 ug/l

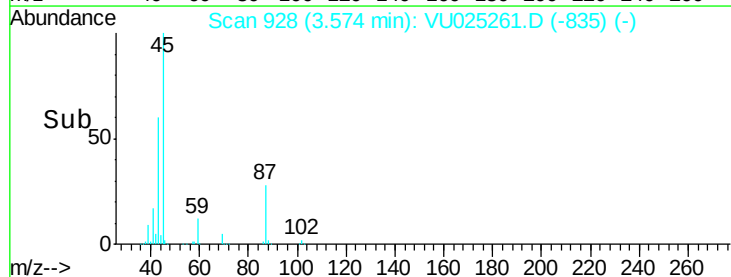
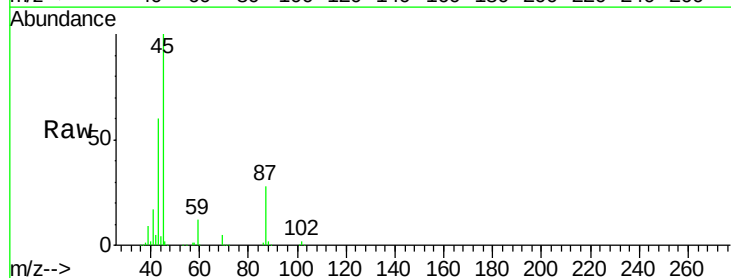
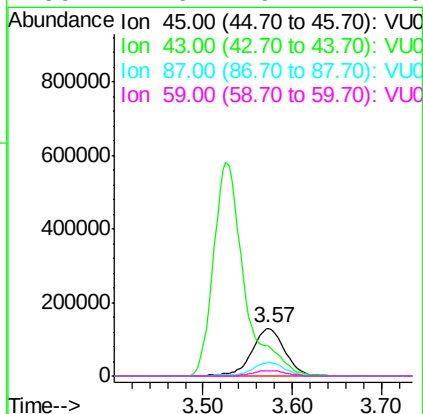
RT: 3.57 min Scan# 928

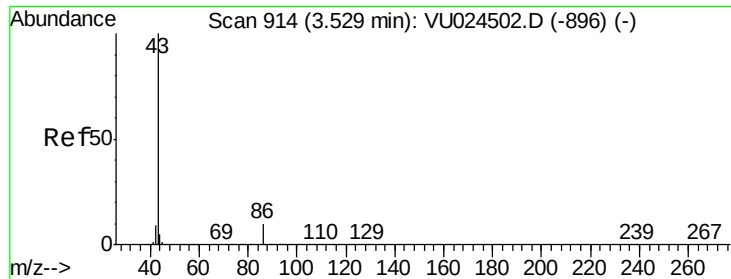
Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Tgt Ion:	45	Resp:	334826
Ion Ratio	Lower	Upper	
45	100		
43	59.2	45.8	68.6
87	28.3	20.6	31.0
59	11.6	9.4	14.0





#23

Vinyl Acetate

Concen: 239.088 ug/l

RT: 3.53 min Scan# 913

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion: 43 Resp: 1397458

Ion Ratio Lower Upper

43 100

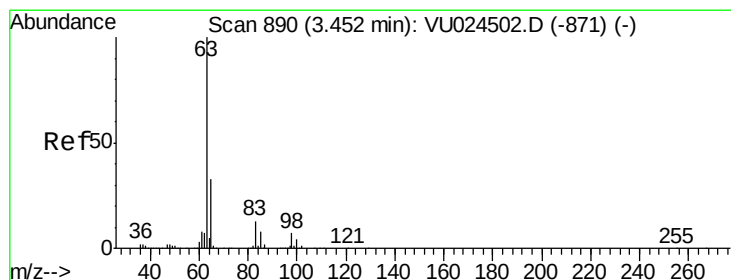
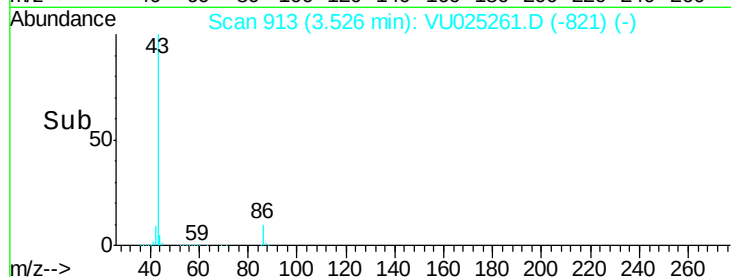
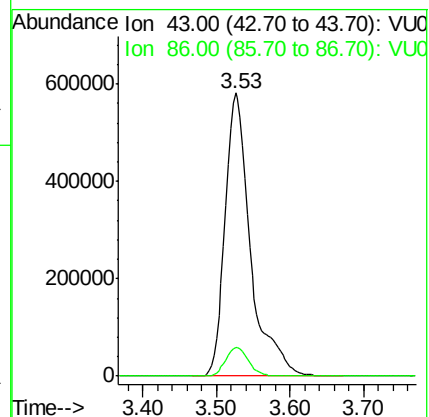
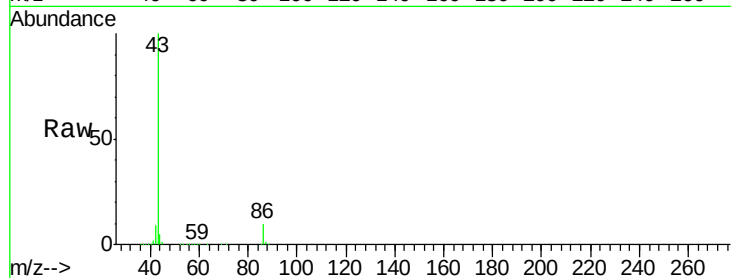
86 10.2 7.8 11.8

Manual Integrations

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MMDadoda

7/9/2018 12:58:03 PM



#24

1,1-Dichloroethane

Concen: 50.494 ug/l

RT: 3.45 min Scan# 889

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

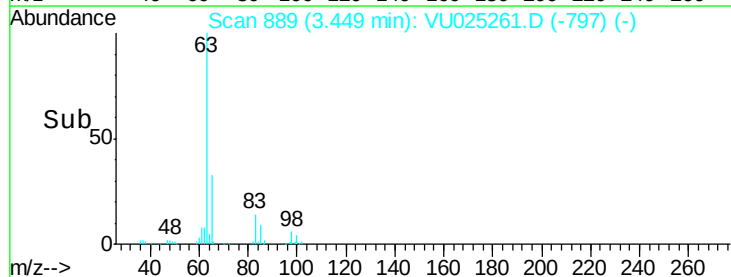
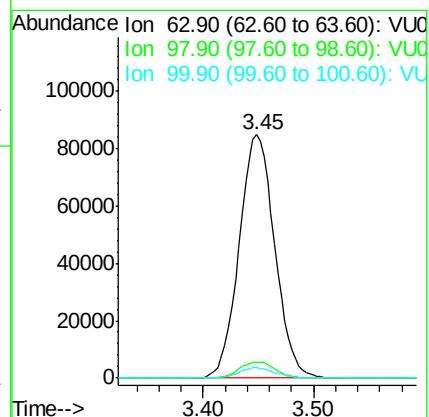
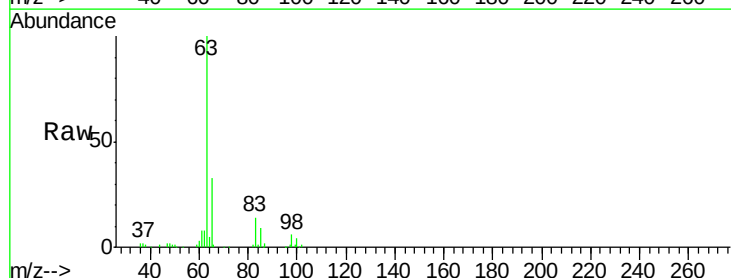
Tgt Ion: 63 Resp: 189532

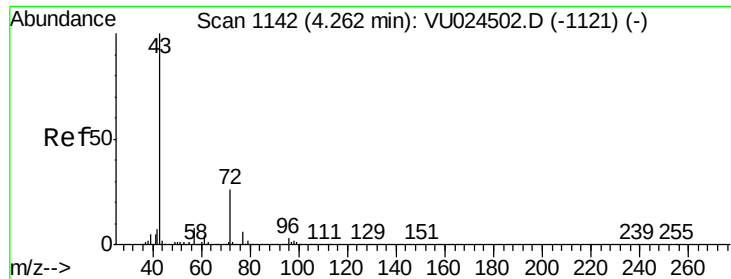
Ion Ratio Lower Upper

63 100

98 6.4 3.5 10.4

100 4.3 1.8 5.5





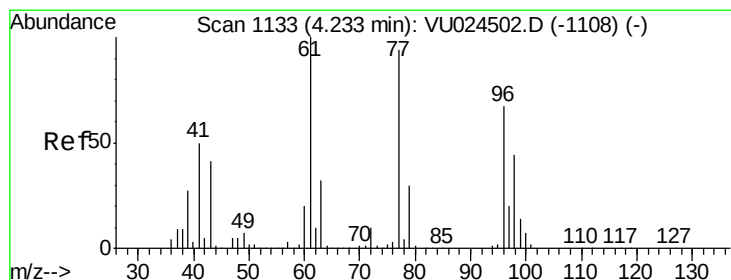
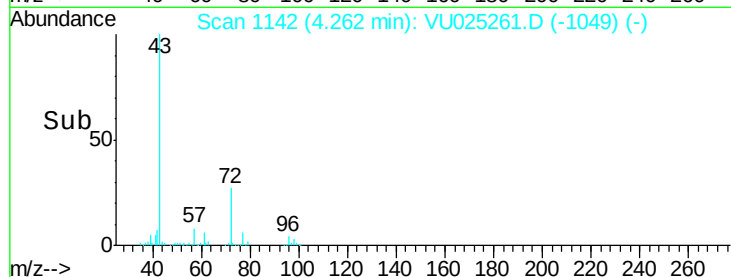
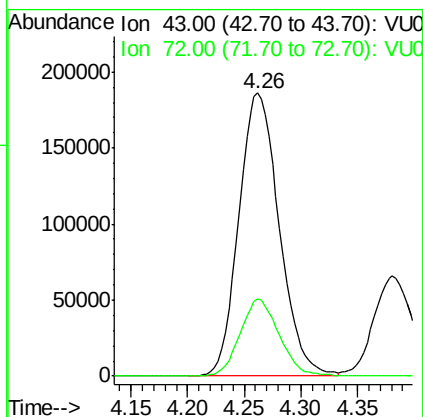
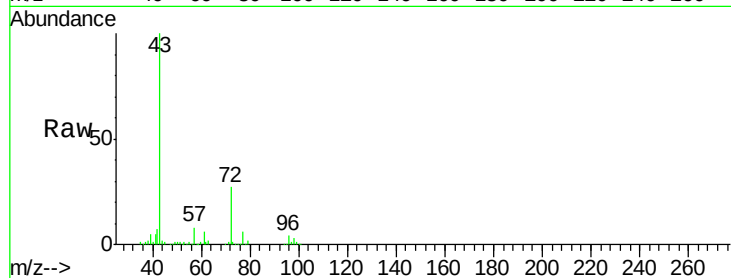
#25
2-Butanone
Concen: 250.917 ug/l
RT: 4.26 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion	43	Resp	460267
Ion Ratio	100	Lower	Upper
72	27.3	19.6	29.4

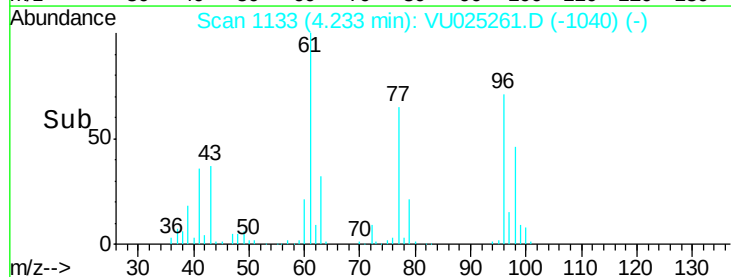
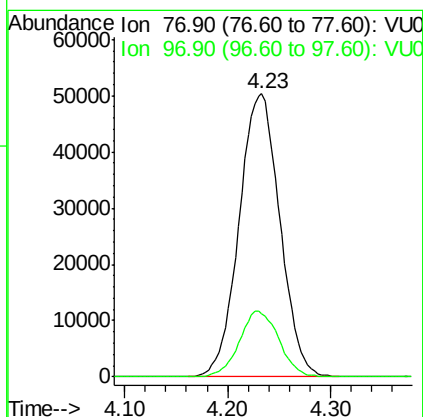
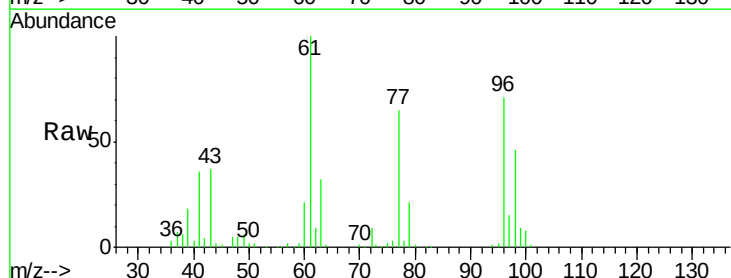
Manual Integrations
APPROVED

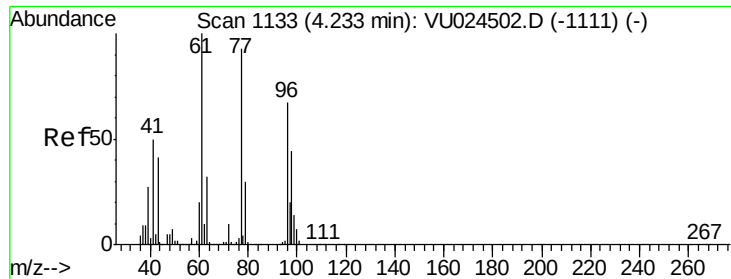
MMDadoda
7/9/2018 12:58:03 PM



#26
2,2-Dichloropropane
Concen: 38.757 ug/l
RT: 4.23 min Scan# 1133
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	77	Resp	138137
Ion Ratio	100	Lower	Upper
97	22.5	11.3	33.8





#27

cis-1,2-Dichloroethene

Concen: 60.452 ug/l

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

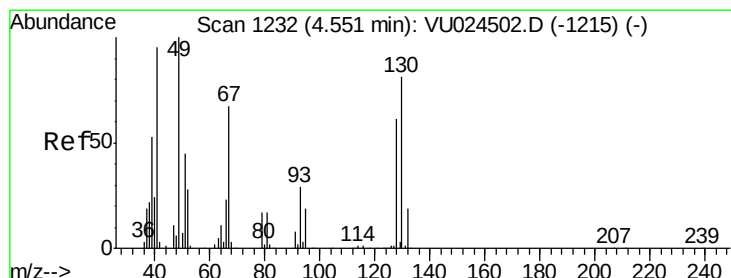
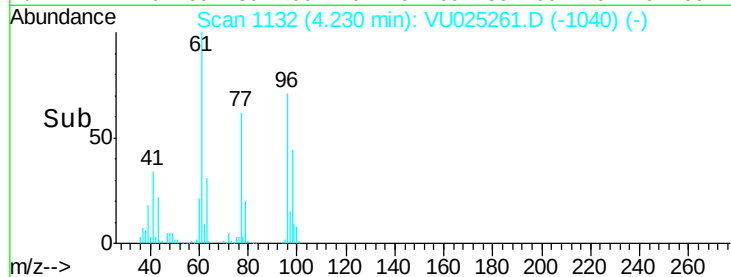
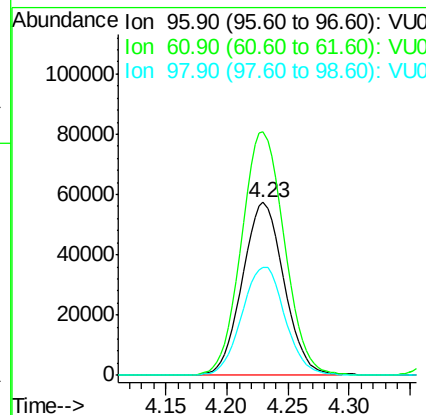
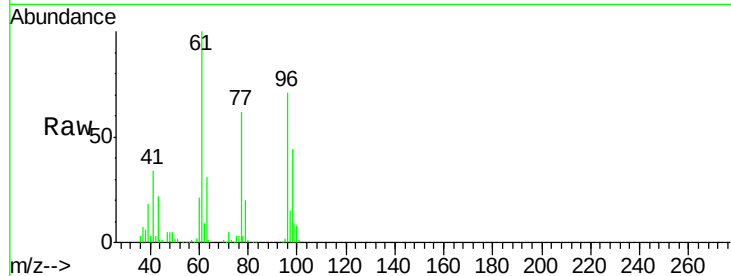
ClientSampleId :

WP021MW470-180628MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	145.4	0.0	306.6		
98	64.9	0.0	128.8		

Manual Integrations
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MMDadoda
7/9/2018 12:58:03 PM



#28

Bromochloromethane

Concen: 62.210 ug/l

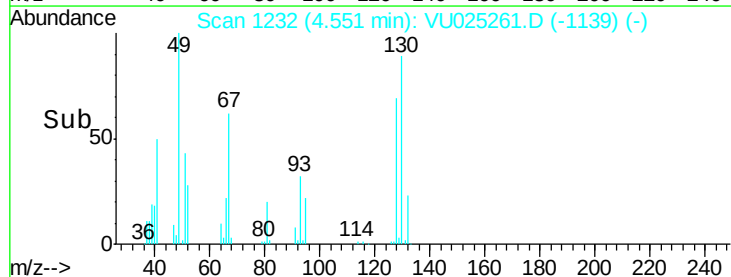
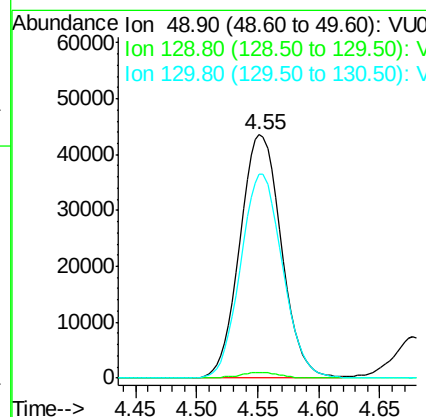
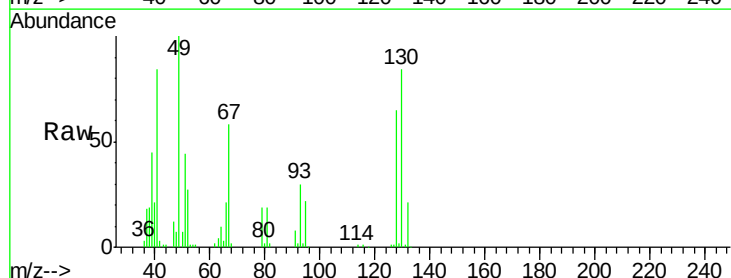
RT: 4.55 min Scan# 1232

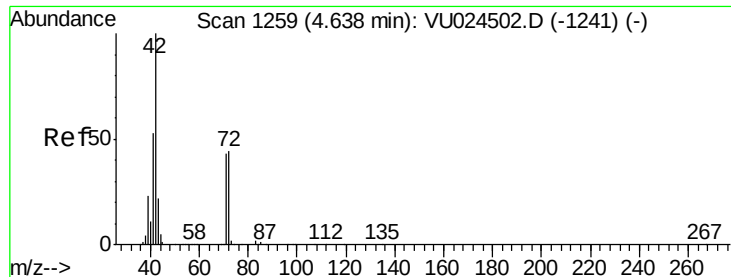
Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.1	0.0	3.8		
130	84.6	57.8	86.6		





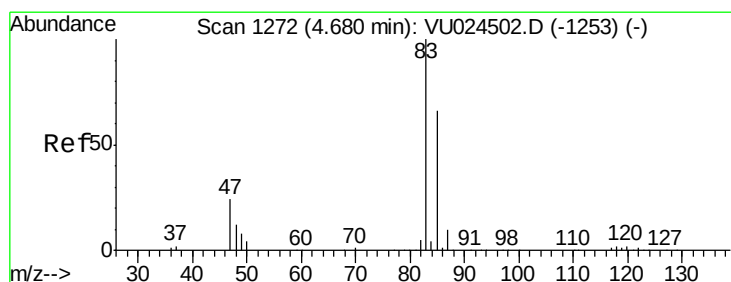
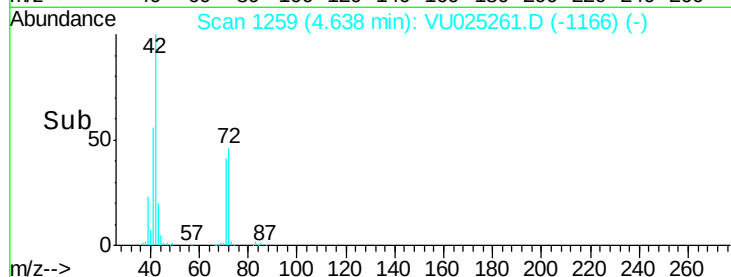
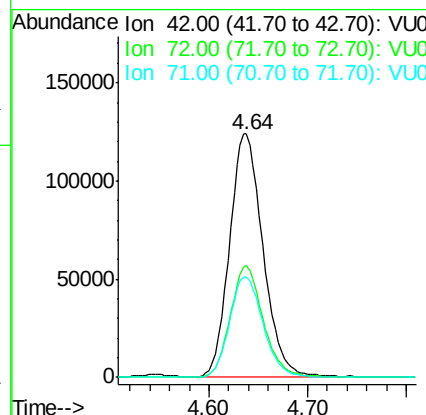
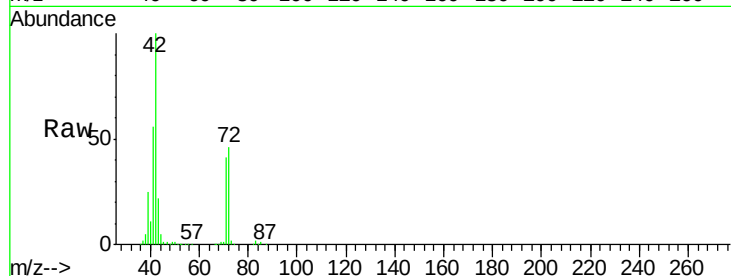
#29
Tetrahydrofuran
Concen: 256.732 ug/l
RT: 4.64 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.5	34.5	51.7
71	41.7	32.2	48.4

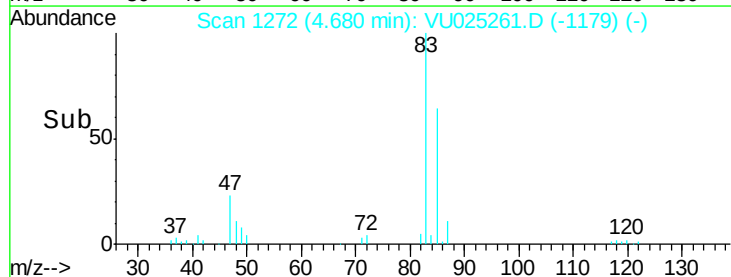
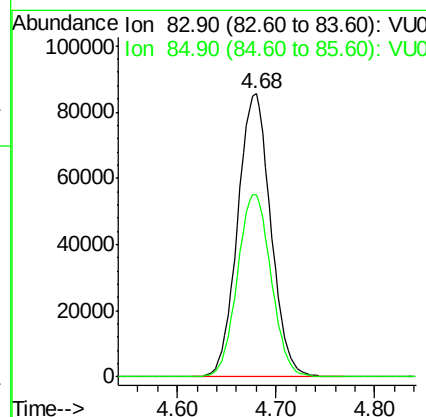
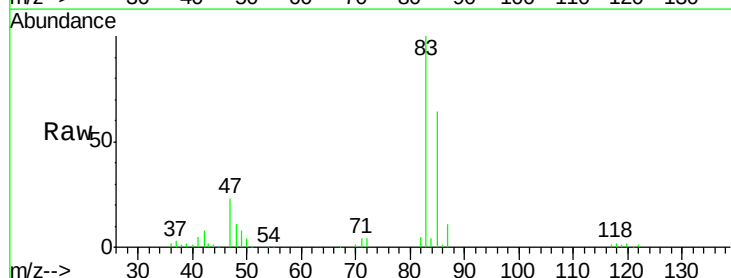
Manual Integrations
APPROVED

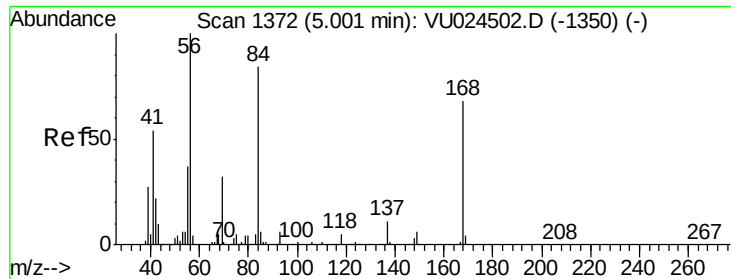
MMDadoda
7/9/2018 12:58:03 PM



#30
Chloroform
Concen: 52.527 ug/l
RT: 4.68 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.4	78.6





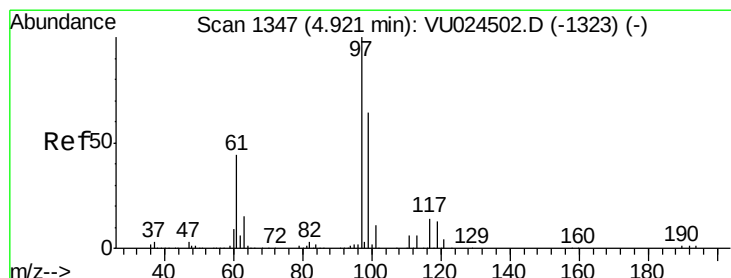
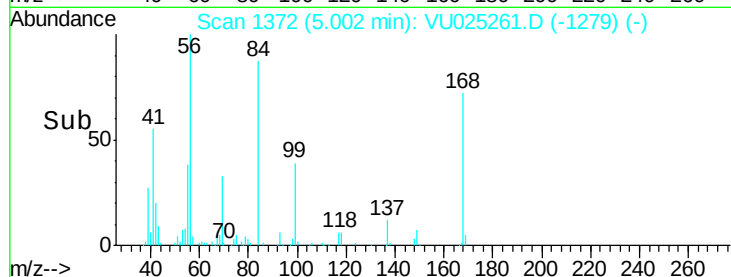
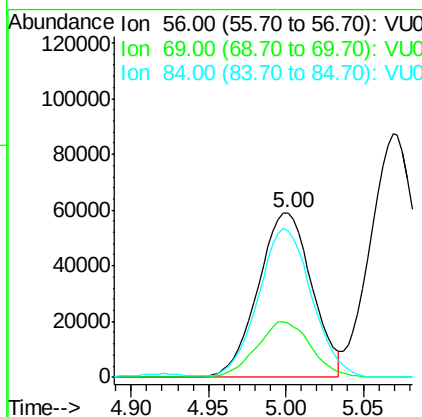
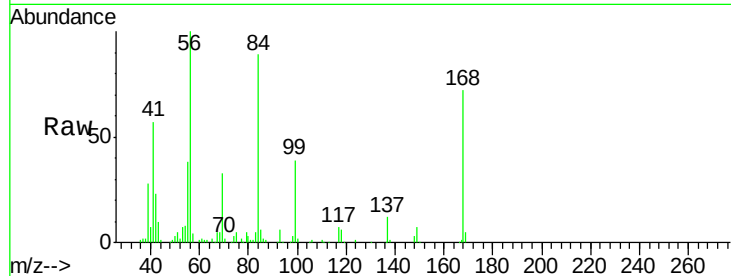
#31
Cyclohexane
Concen: 42.587 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.5	24.8	37.2
84	88.0	65.2	97.8

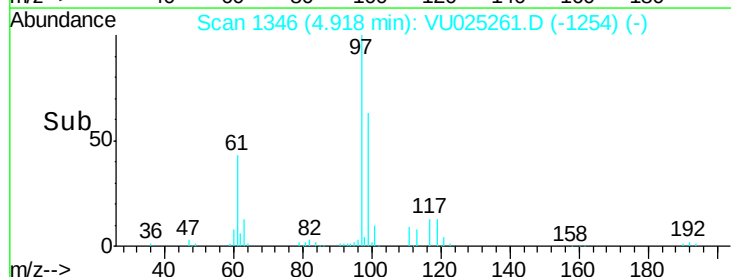
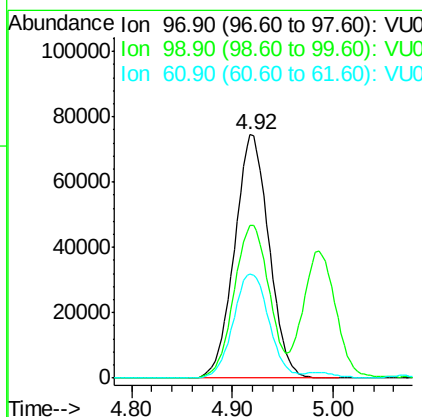
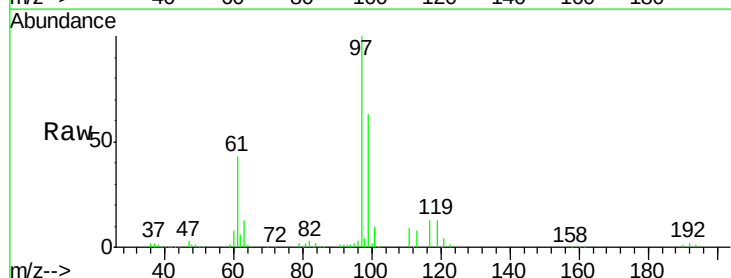
Manual Integrations
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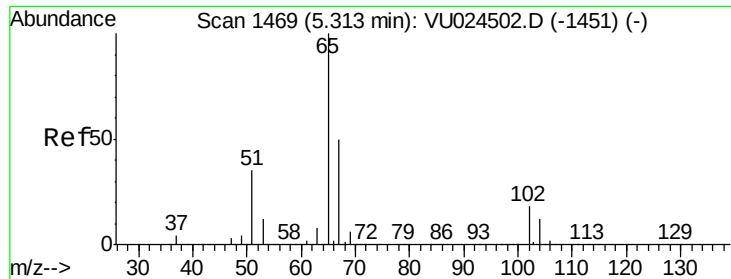
MMDadoda
7/9/2018 12:58:03 PM



#32
1,1,1-Trichloroethane
Concen: 50.215 ug/l
RT: 4.92 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.0	76.6
61	44.6	39.4	59.0





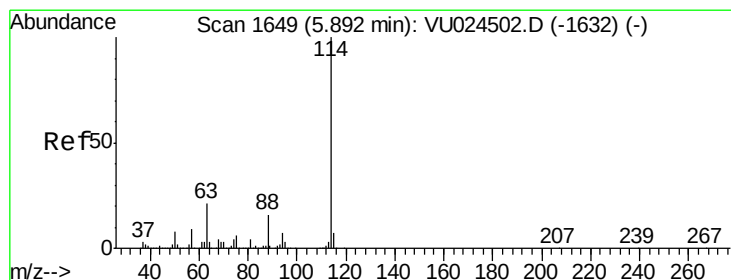
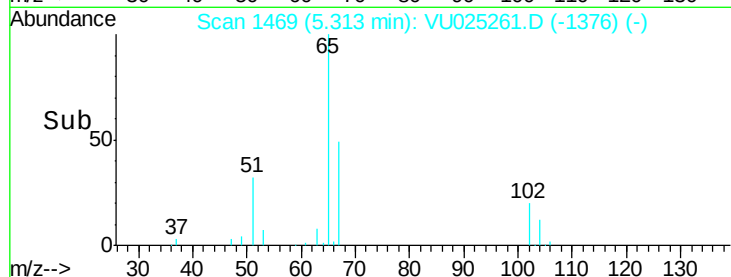
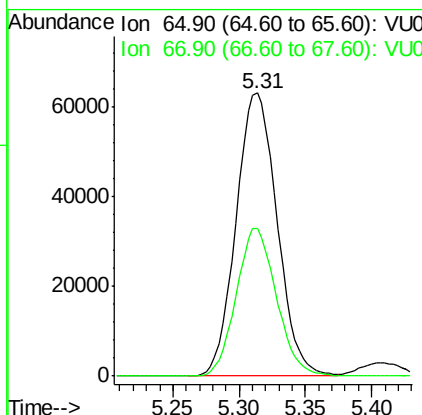
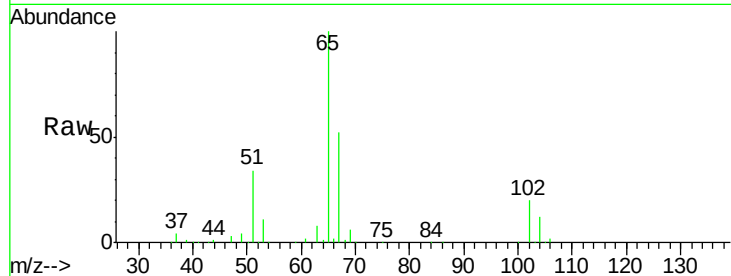
#33
 1,2-Dichloroethane-d4
 Concen: 53.505 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	135990		
67	51.1	0.0	107.0	

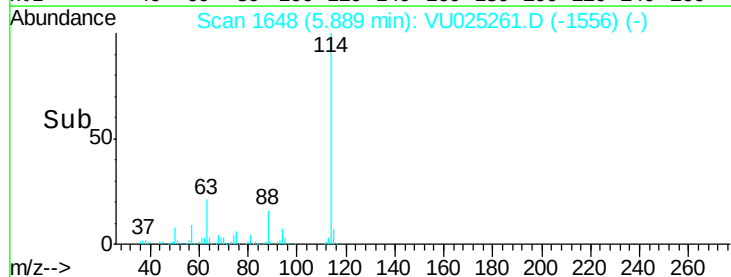
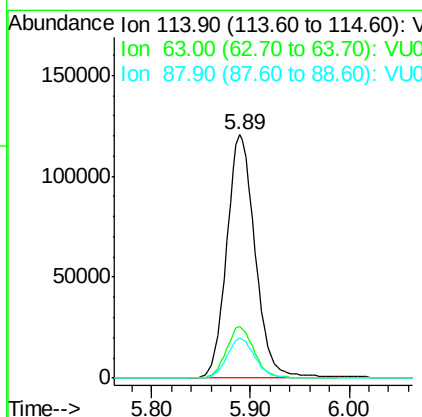
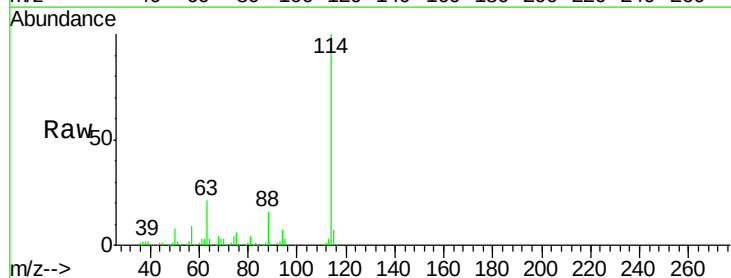
Manual Integrations
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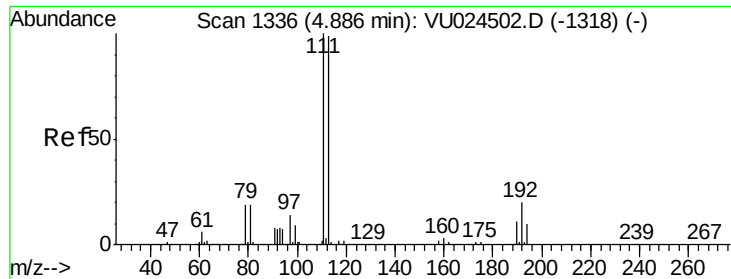
MMDadoda
 7/9/2018 12:58:03 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.89 min Scan# 1648
 Delta R.T. -0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	242814		
63	21.1	0.0	45.4	
88	16.3	0.0	31.0	





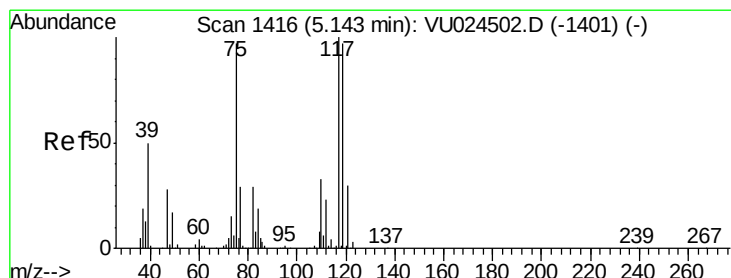
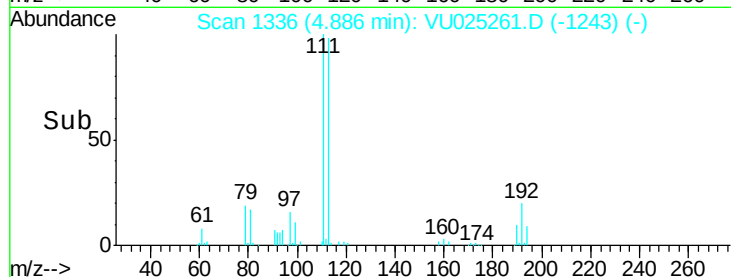
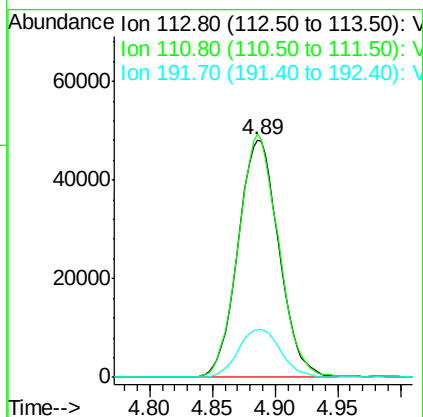
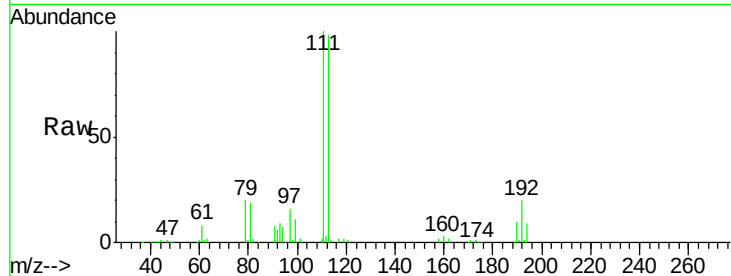
#35
Dibromofluoromethane
Concen: 54.131 ug/l
RT: 4.89 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.2	123.4
192	21.0	16.2	24.4

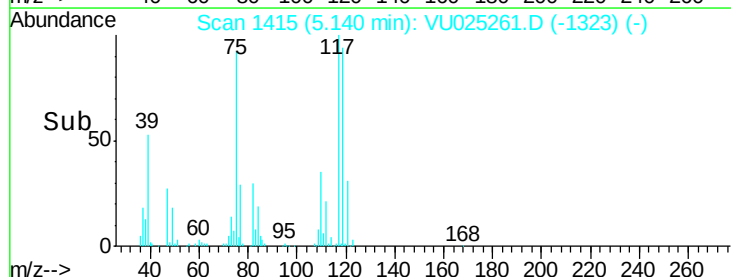
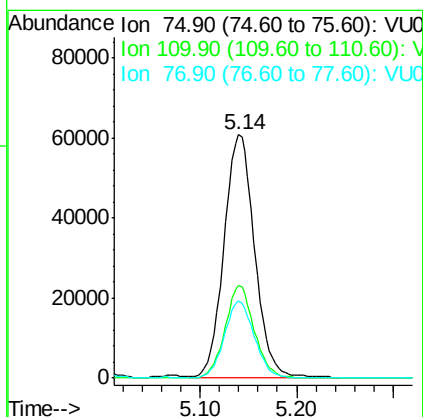
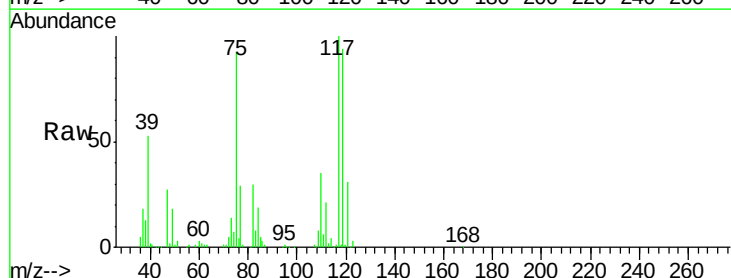
Manual Integrations
APPROVED

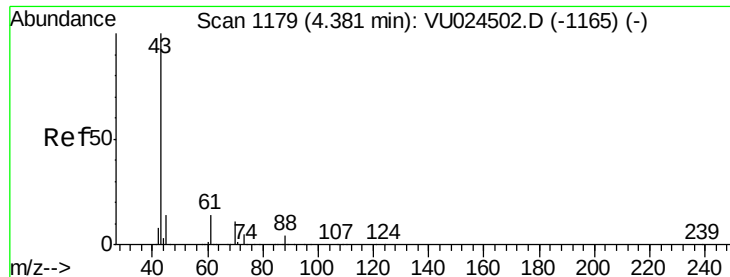
MMDadoda
7/9/2018 12:58:03 PM



#36
1,1-Dichloropropene
Concen: 46.358 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. -0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.0	50.9
77	30.6	24.2	36.4





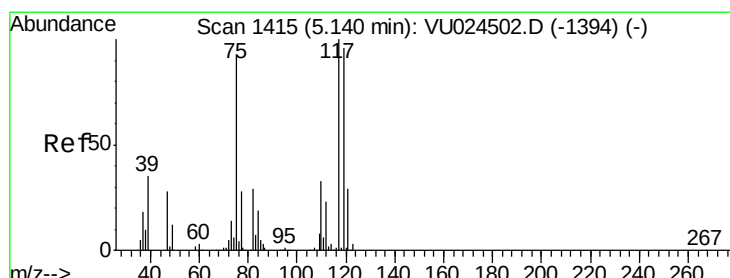
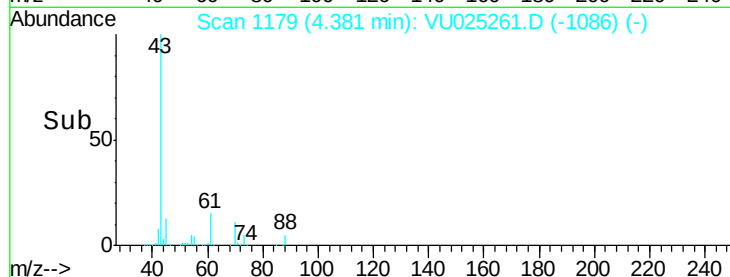
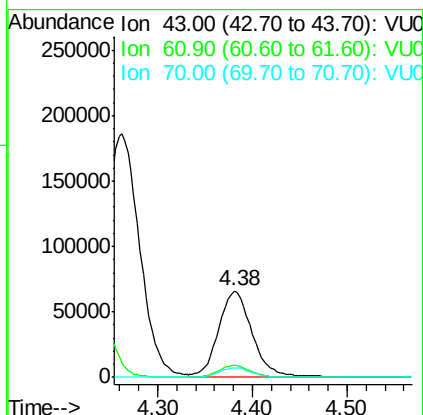
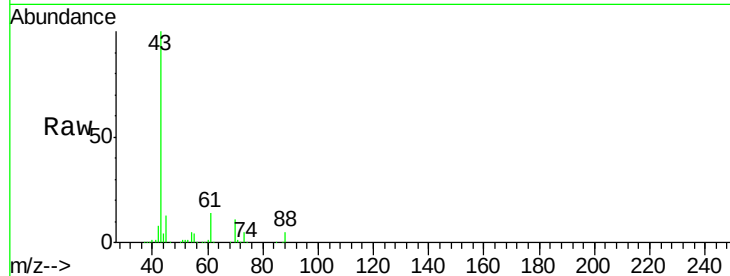
#37
Ethyl Acetate
Concen: 51.704 ug/l
RT: 4.38 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion	43	Resp	160791
Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.5	15.7
70	10.9	7.4	11.2

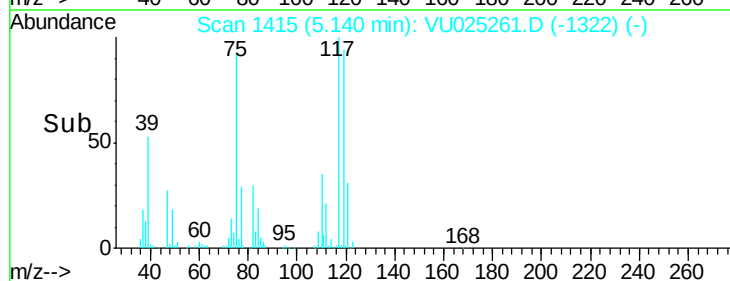
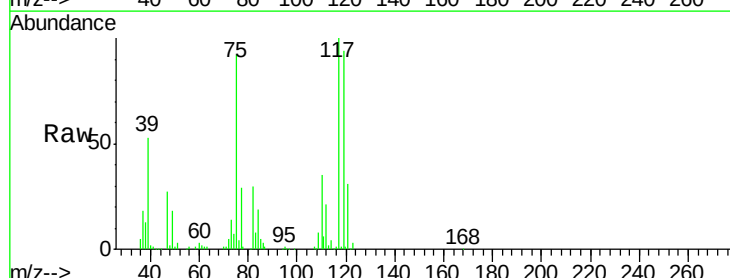
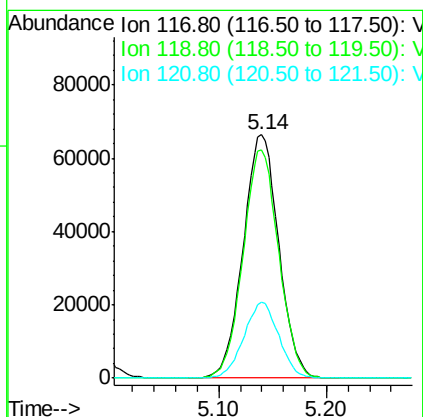
Manual Integrations
APPROVED

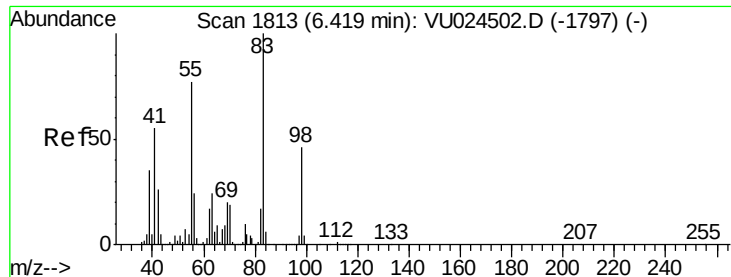
MMDadoda
7/9/2018 12:58:03 PM



#38
Carbon Tetrachloride
Concen: 48.500 ug/l
RT: 5.14 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	117	Resp	152174
Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.1	114.1
121	31.3	23.7	35.5





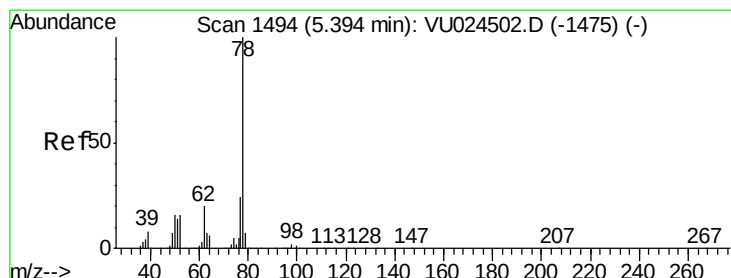
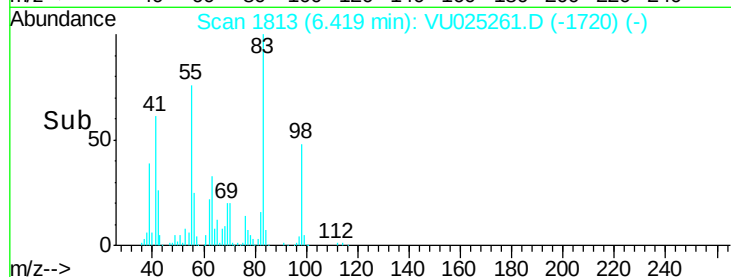
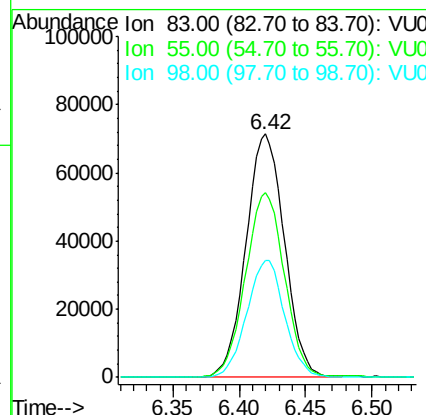
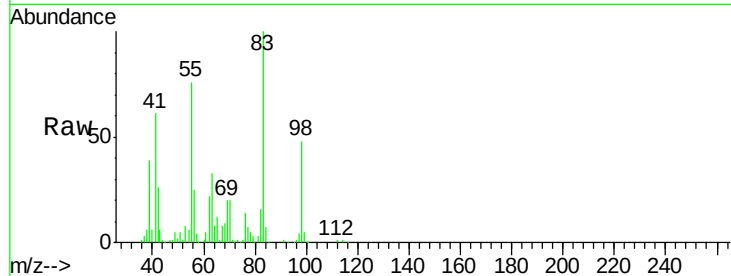
#39
Methylvlcyclohexane
Concen: 40.559 ug/l
RT: 6.42 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	65.8	98.6
98	48.2	36.7	55.1

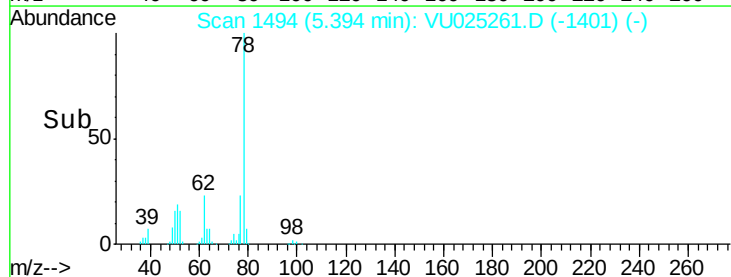
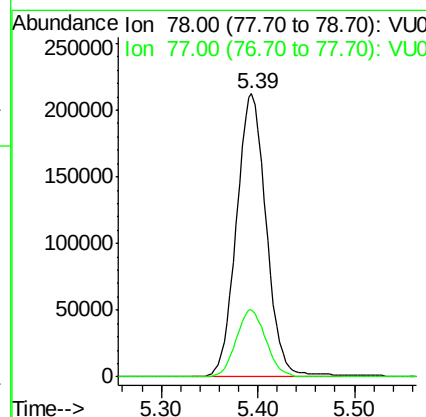
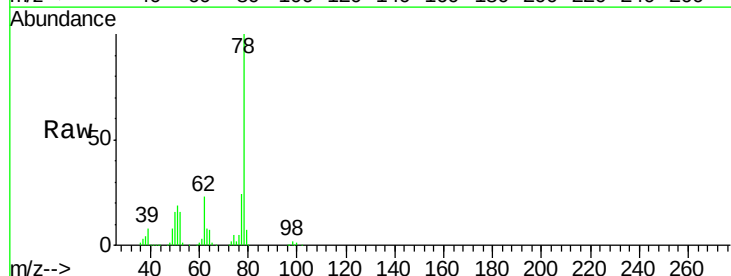
Manual Integrations
APPROVED

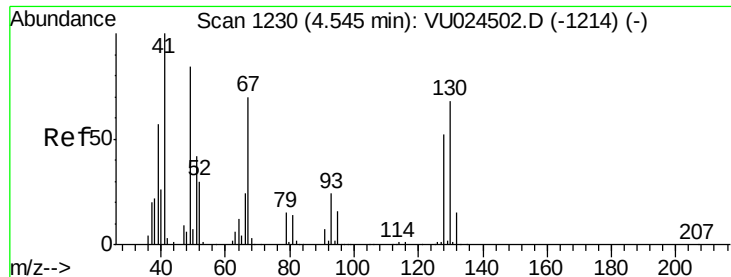
MMDadoda
7/9/2018 12:58:03 PM



#40
Benzene
Concen: 55.930 ug/l
RT: 5.39 min Scan# 1494
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.2	28.8





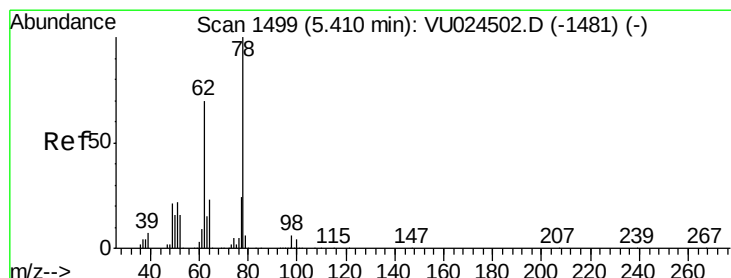
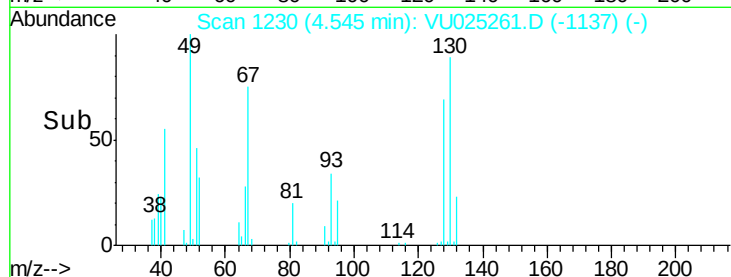
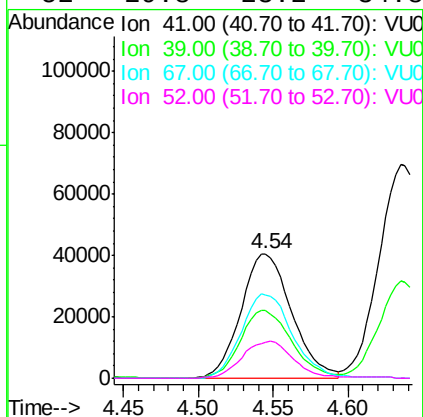
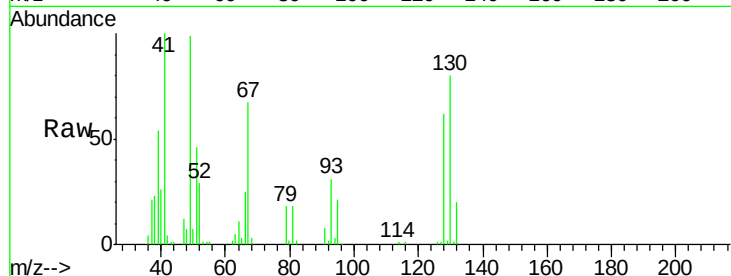
#41
Methacrylonitrile
Concen: 56.438 ug/l
RT: 4.54 min Scan# 1230
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.9	43.8	65.6	
67	69.1	56.3	84.5	
52	29.8	23.2	34.8	

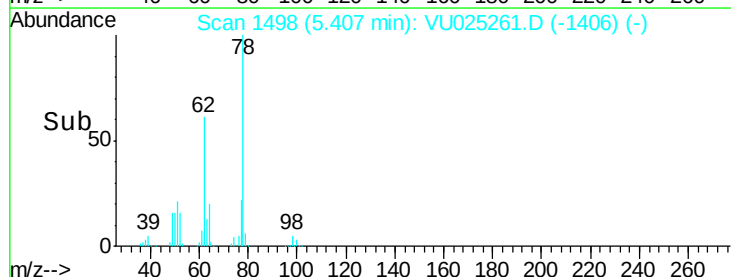
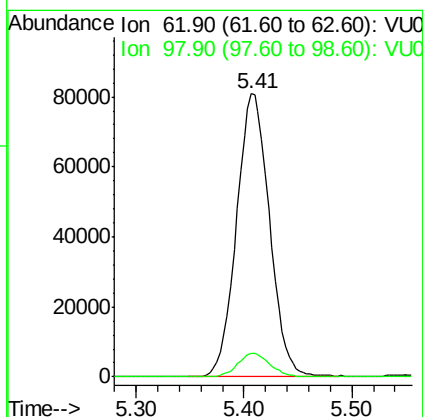
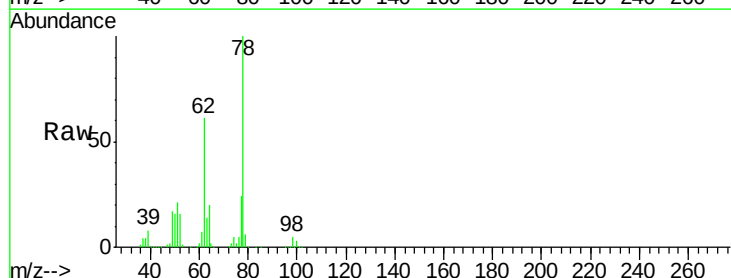
Manual Integrations
APPROVED

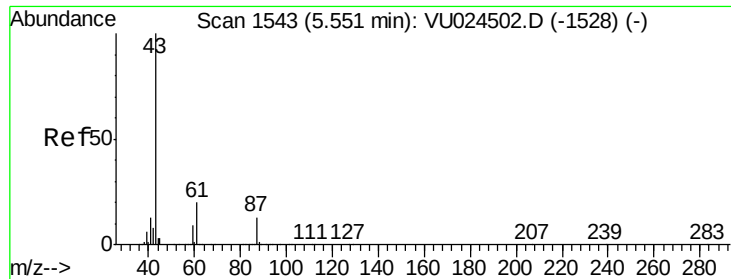
MMDadoda
7/9/2018 12:58:03 PM



#42
1,2-Dichloroethane
Concen: 55.701 ug/l
RT: 5.41 min Scan# 1498
Delta R.T. -0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

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





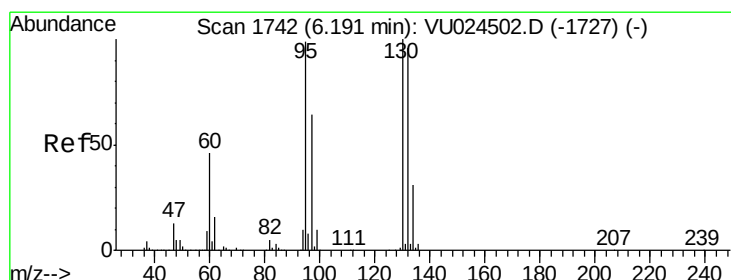
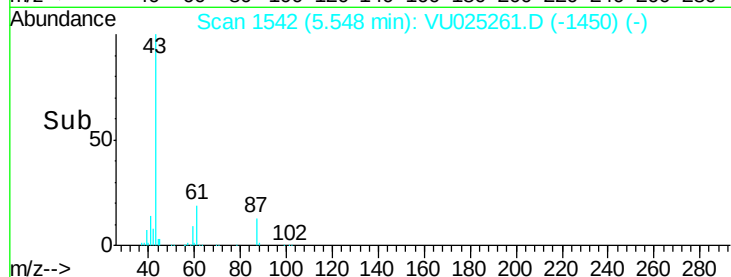
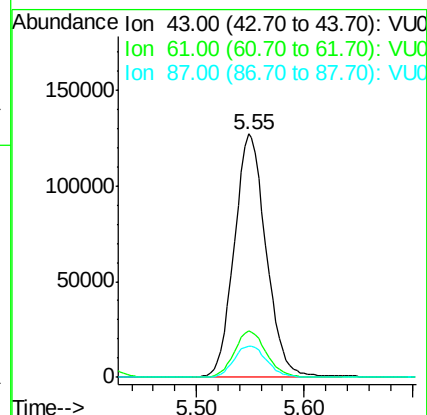
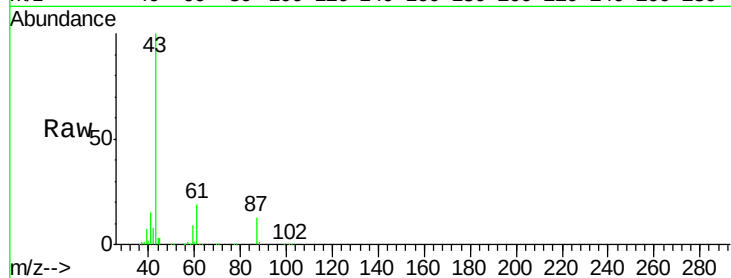
#43
Isopropyl Acetate
Concen: 48.073 ug/l
RT: 5.55 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.4	23.0
87	13.4	10.0	15.0

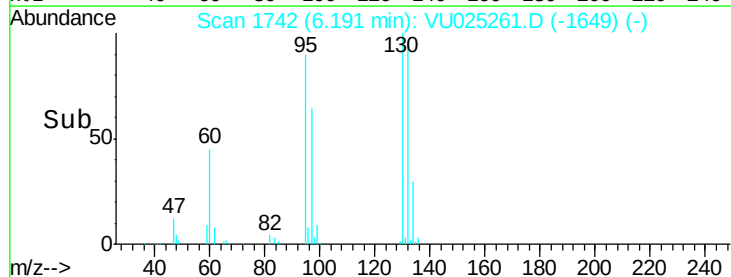
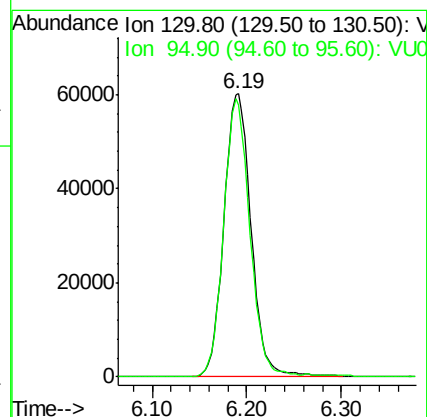
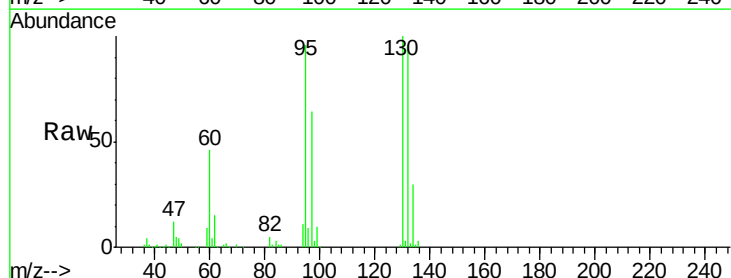
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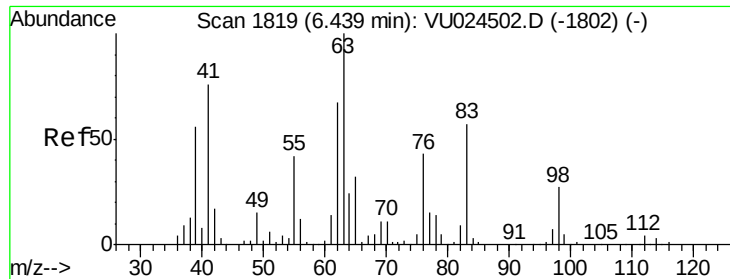
MMDadoda
7/9/2018 12:58:03 PM



#44
Trichloroethene
Concen: 51.985 ug/l
RT: 6.19 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	202.4





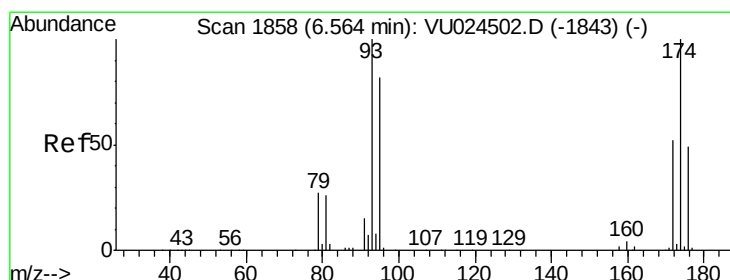
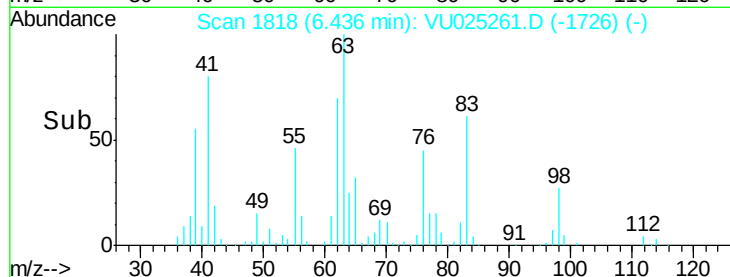
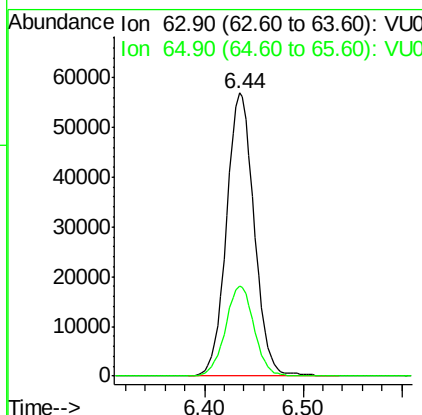
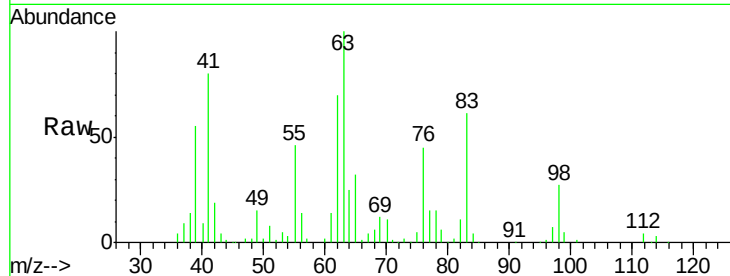
#45
 1,2-Dichloropropane
 Concen: 51.241 ug/l
 RT: 6.44 min Scan# 1819
 Delta R.T. -0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion: 63 Resp: 111158
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.8 37.2

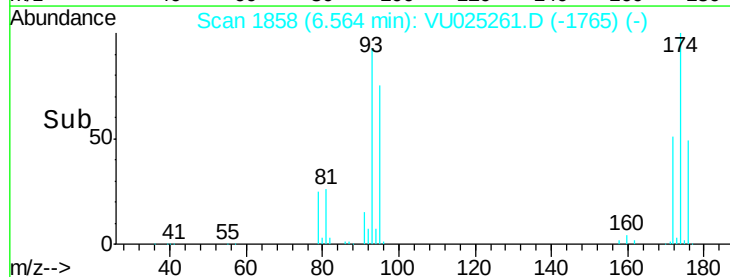
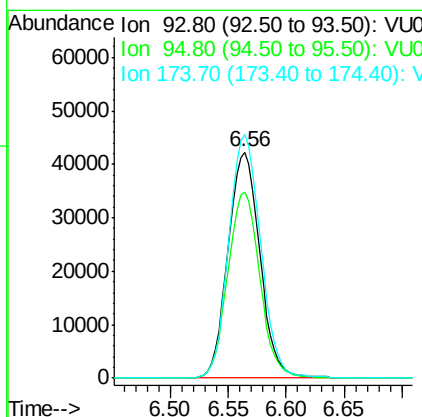
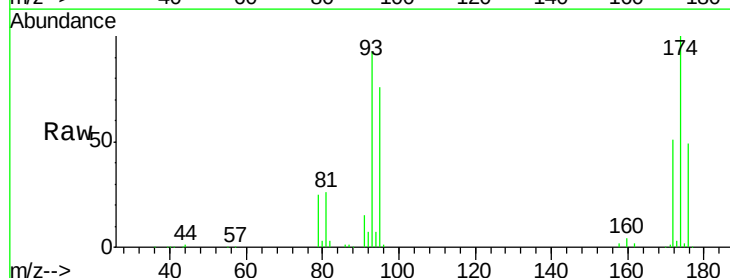
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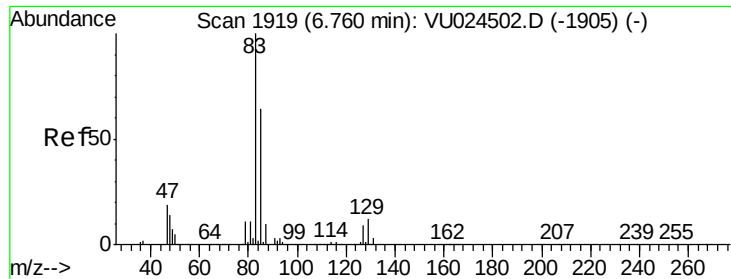
MMDadoda
 7/9/2018 12:58:03 PM



#46
 Dibromomethane
 Concen: 52.691 ug/l
 RT: 6.56 min Scan# 1858
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion: 93 Resp: 80289
 Ion Ratio Lower Upper
 93 100
 95 82.6 65.5 98.3
 174 107.9 78.7 118.1





#47

Bromodichloromethane

Concen: 49.886 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

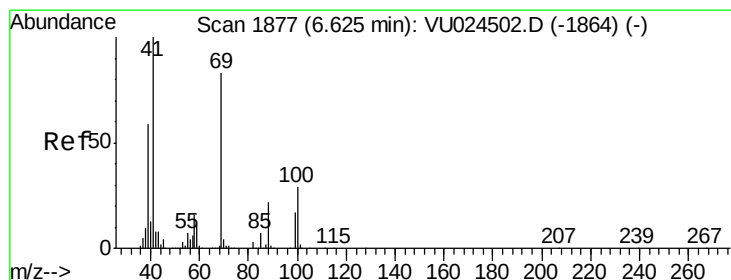
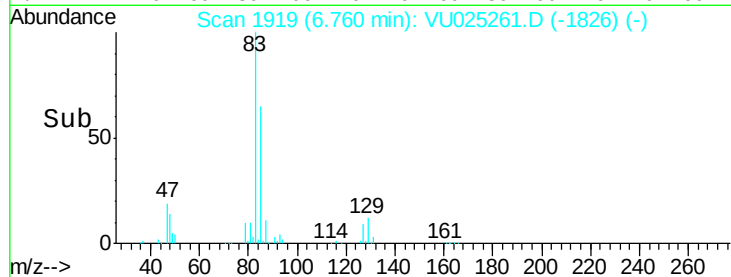
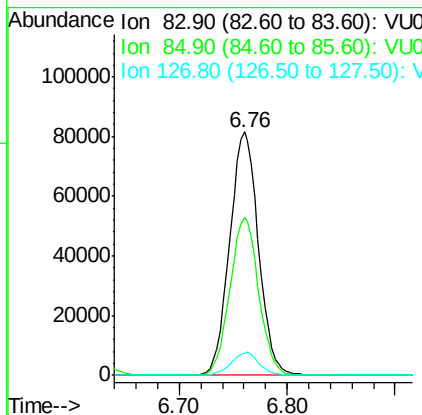
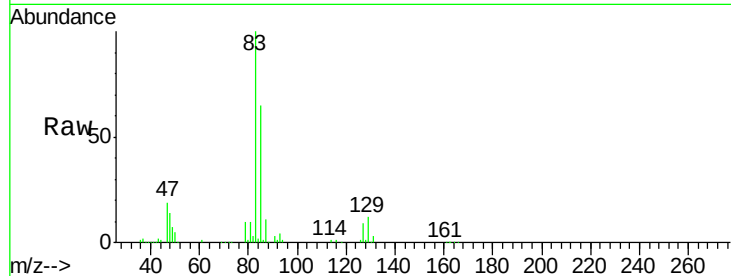
ClientSampleId :

WP021MW470-180628MSD

Tot Ion:	83	Resp:	151367
Ion Ratio	Lower	Upper	
83	100		
85	64.6	51.9	77.9
127	9.3	6.6	9.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.771 ug/l

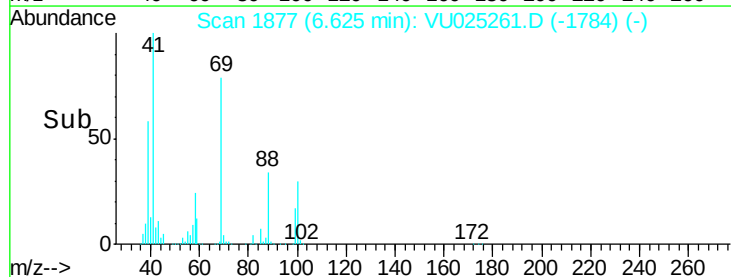
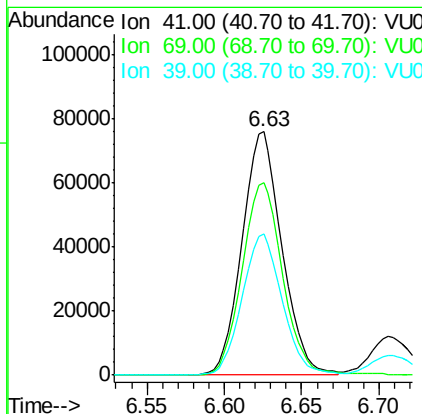
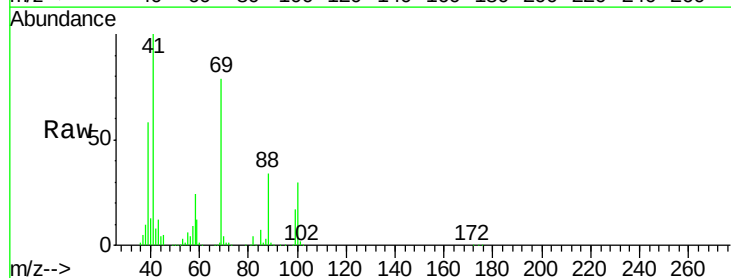
RT: 6.63 min Scan# 1877

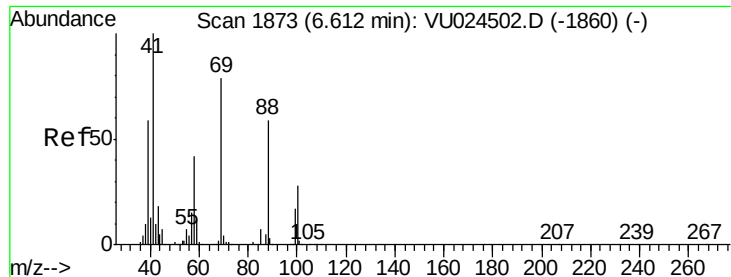
Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Tgt Ion:	41	Resp:	135514
Ion Ratio	Lower	Upper	
41	100		
69	81.3	67.3	100.9
39	57.7	46.5	69.7





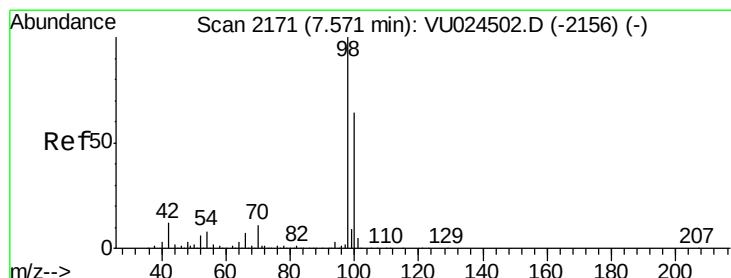
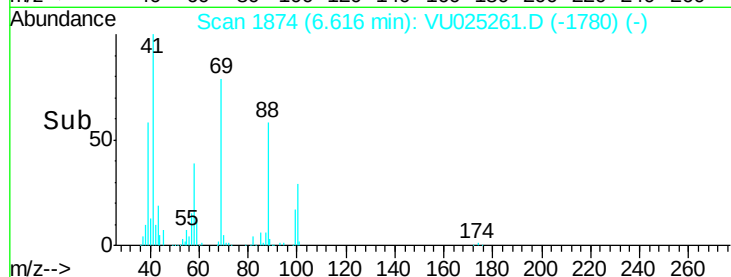
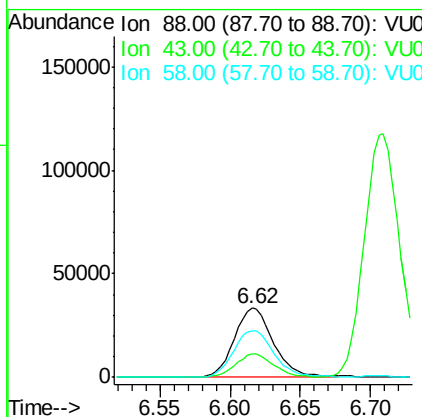
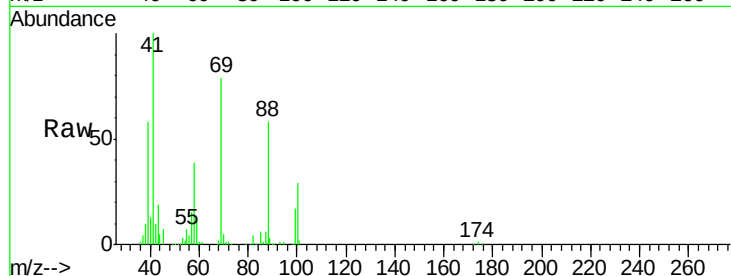
#49
1,4-Dioxane
Concen: 1258.111 ug/l
RT: 6.62 min Scan# 1874
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	28.6	42.8
58	70.7	58.2	87.4

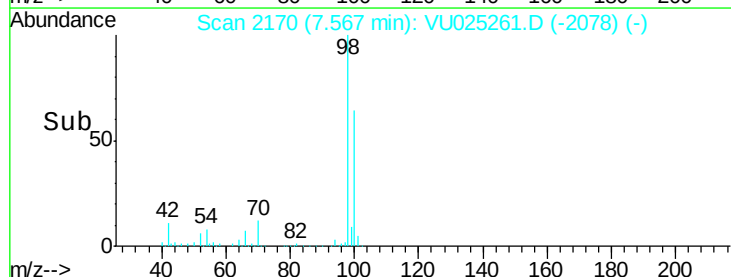
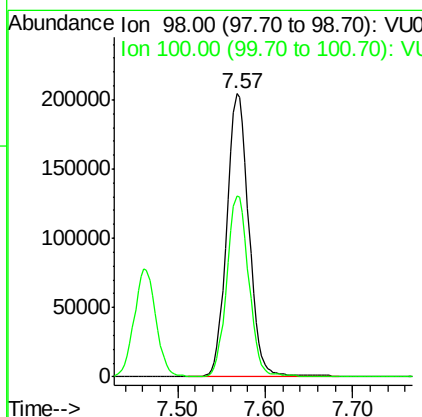
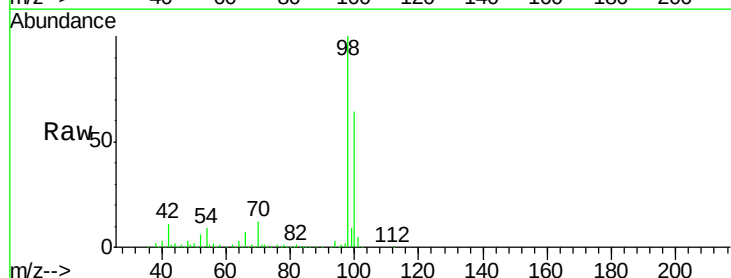
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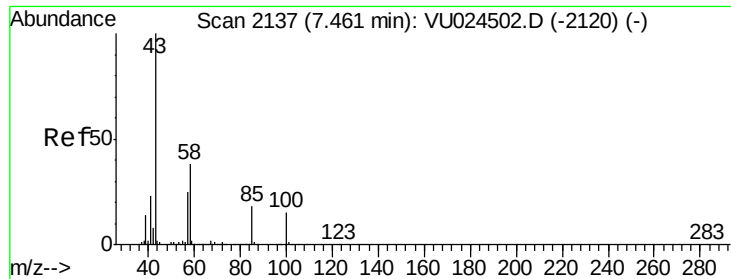
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#50
Toluene-d8
Concen: 48.859 ug/l
RT: 7.57 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.3	51.1	76.7





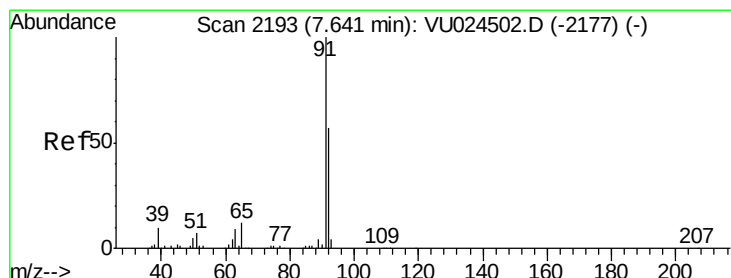
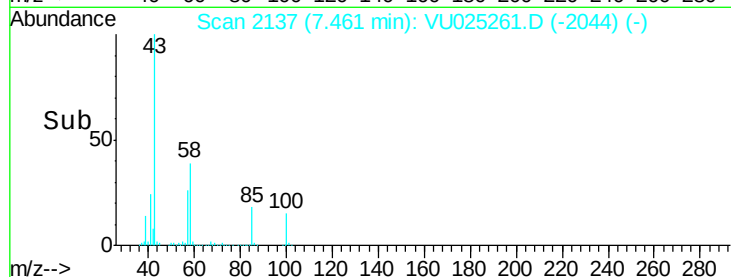
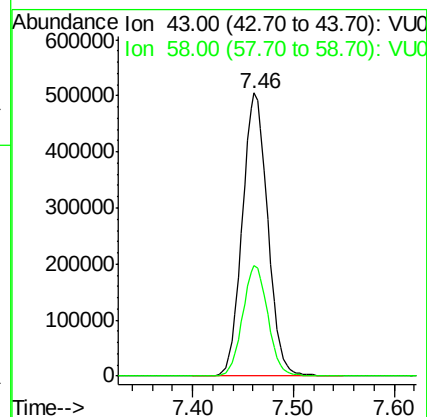
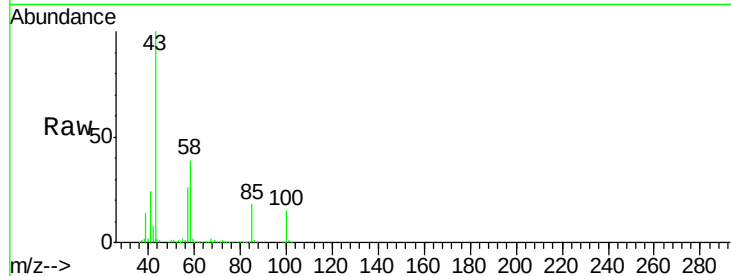
#51
 4-Methyl-2-Pentanone
 Concen: 260.656 ug/l
 RT: 7.46 min Scan# 2137
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.0	45.0

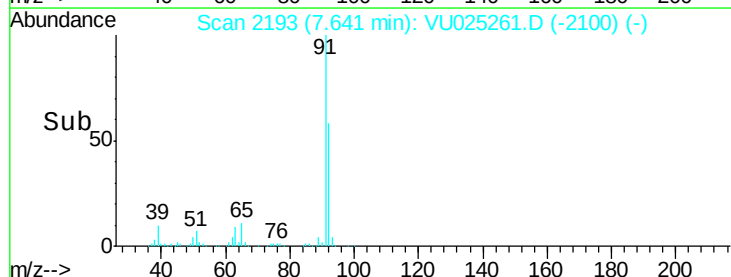
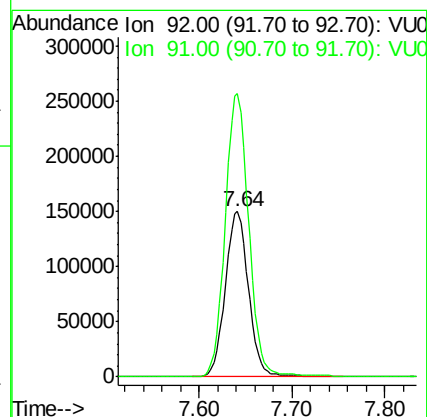
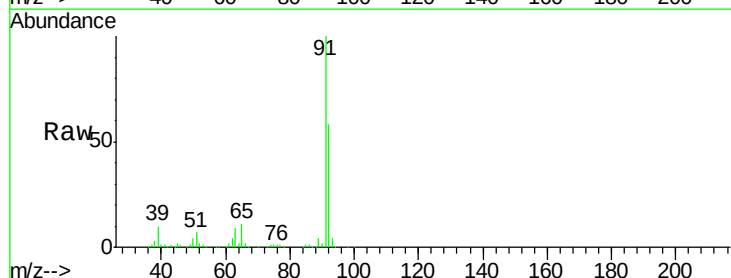
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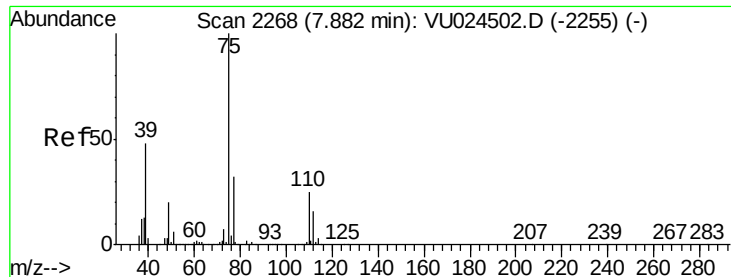
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#52
 Toluene
 Concen: 49.975 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.1	140.5	210.7





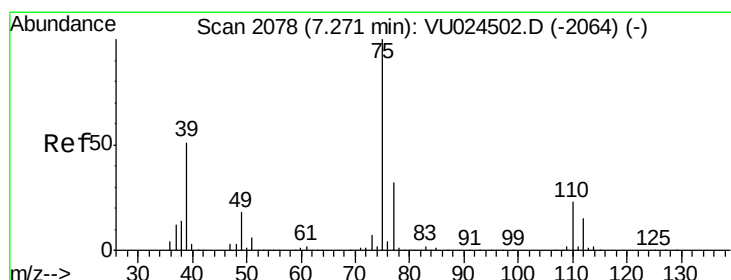
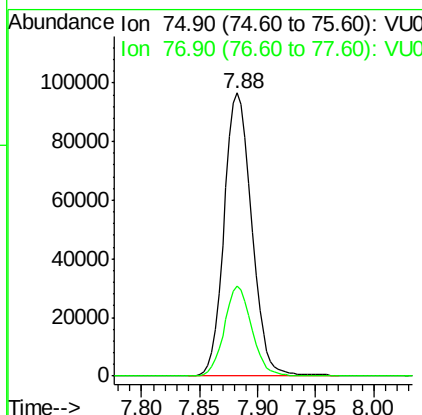
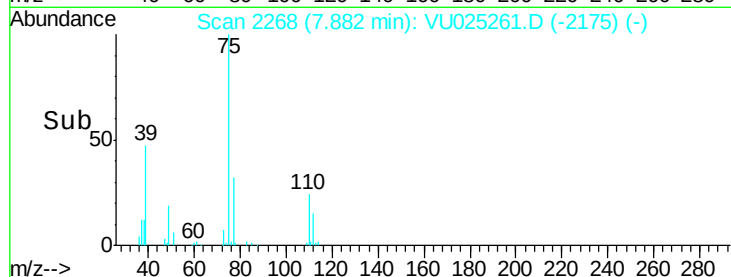
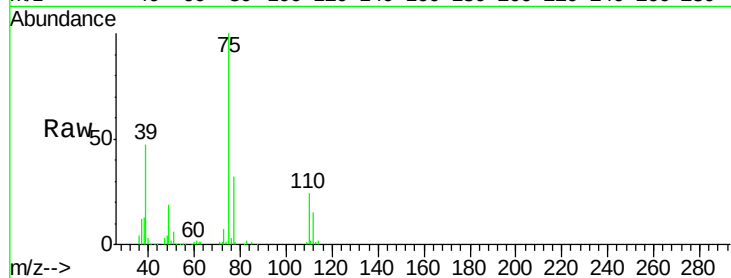
#53
t-1,3-Dichloropropene
Concen: 46.956 ug/l
RT: 7.88 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion: 75 Resp: 160003
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2

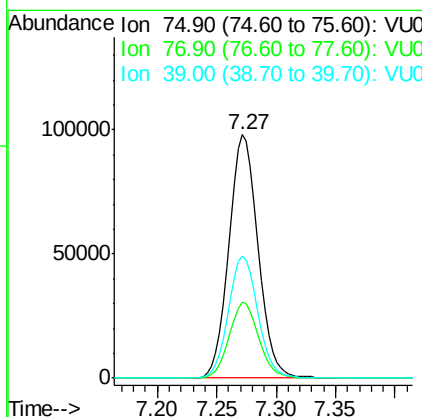
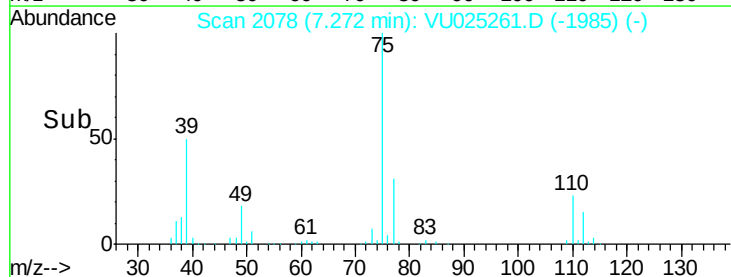
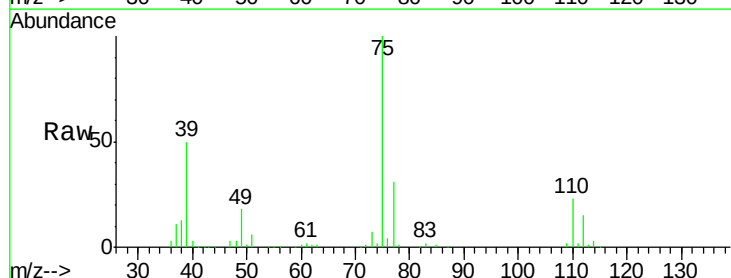
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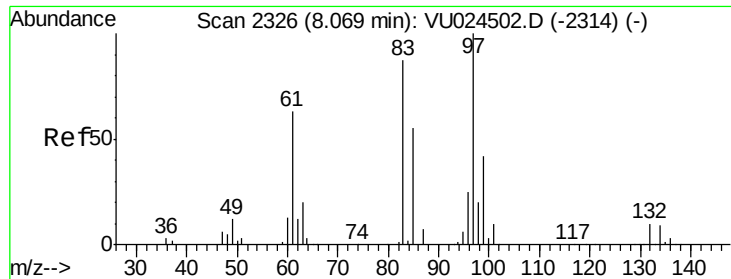
MMDadoda
7/9/2018 12:58:03 PM



#54
cis-1,3-Dichloropropene
Concen: 45.915 ug/l
RT: 7.27 min Scan# 2078
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion: 75 Resp: 166711
Ion Ratio Lower Upper
75 100
77 31.0 24.6 36.8
39 50.2 39.8 59.6





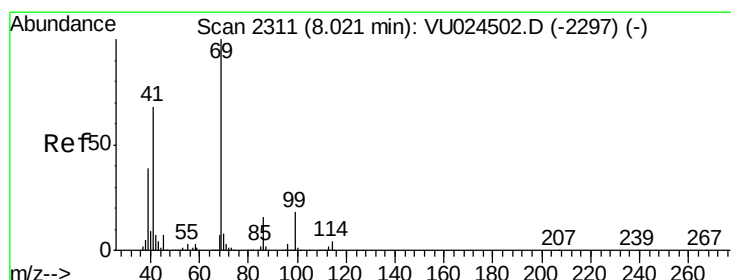
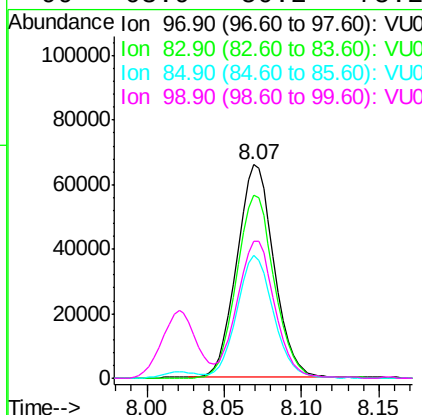
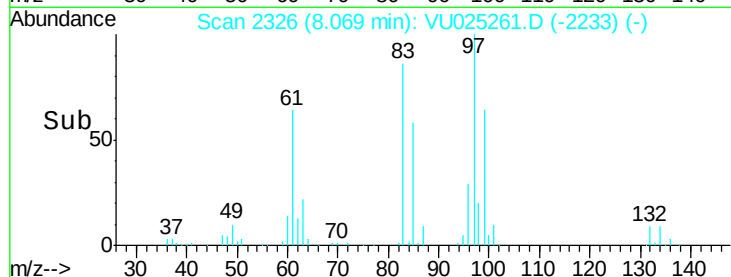
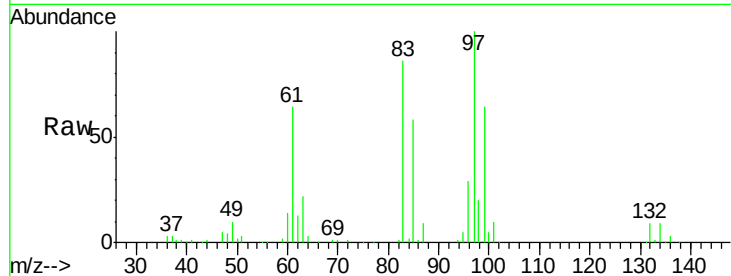
#55
 1,1,2-Trichloroethane
 Concen: 51.505 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		109511		
83	86.3	70.5	105.7		
85	57.6	46.4	69.6		
99	63.9	50.2	75.2		

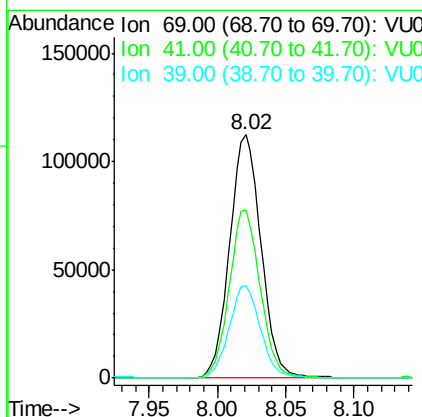
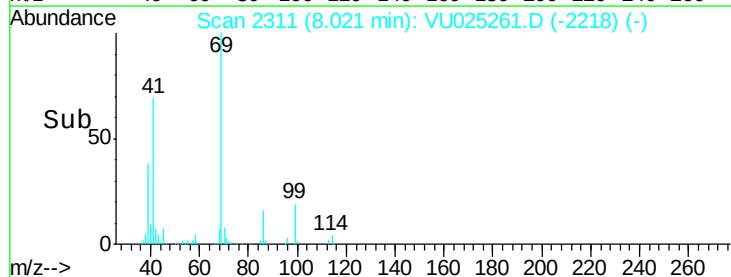
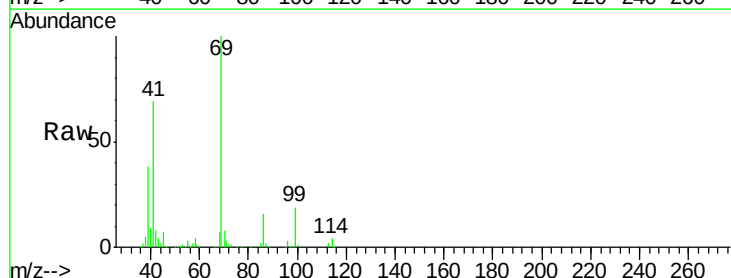
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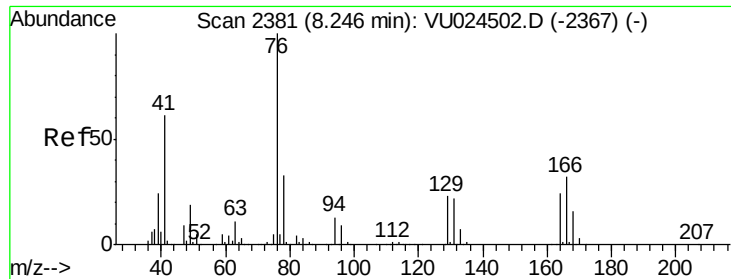
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#56
 Ethyl methacrylate
 Concen: 50.595 ug/l
 RT: 8.02 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		180055		
41	68.5	54.1	81.1		
39	37.5	30.3	45.5		





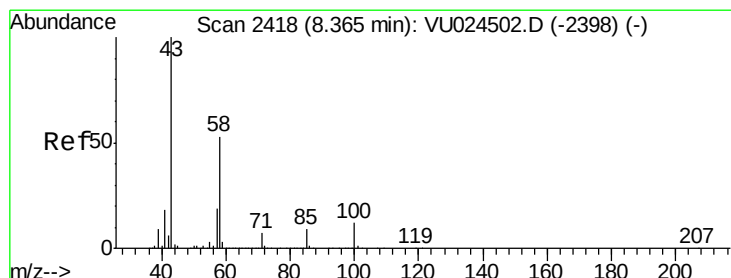
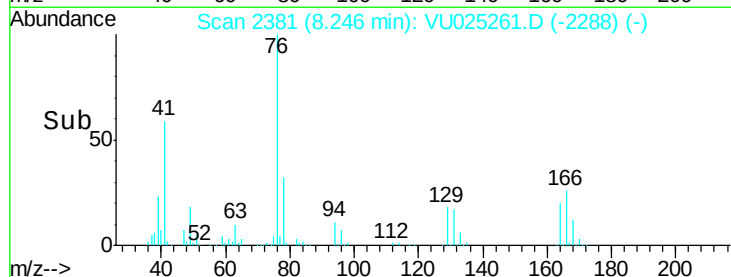
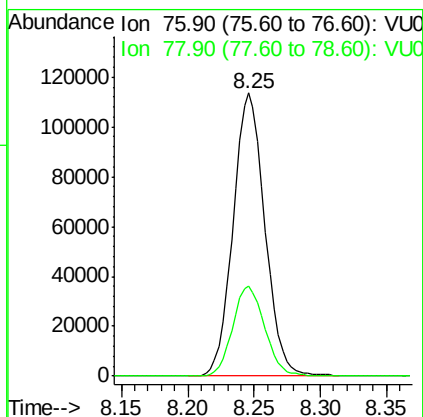
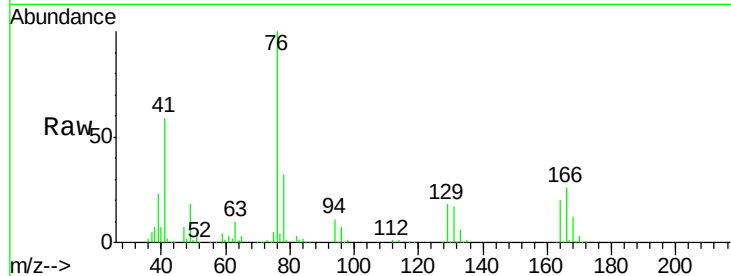
#57
 1,3-Dichloropropane
 Concen: 52.633 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion: 76 Resp: 188783
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.2 37.8

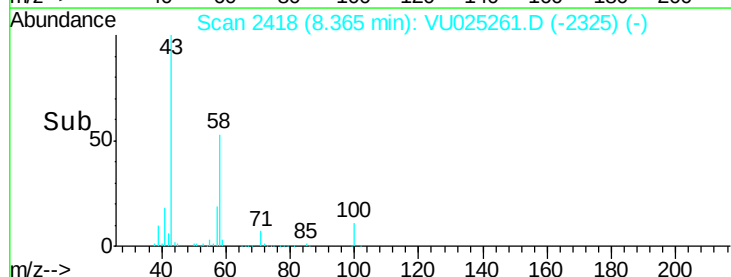
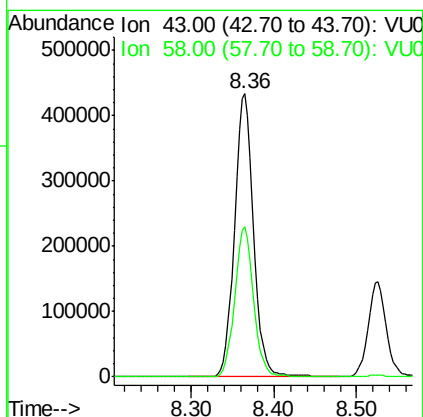
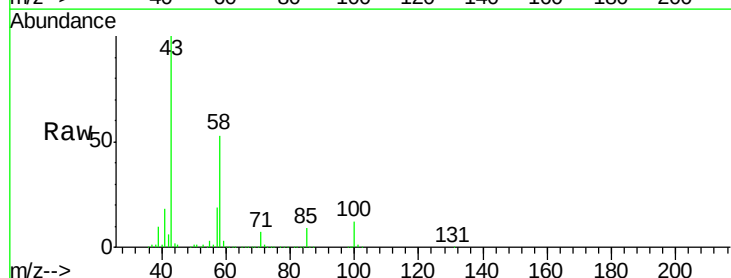
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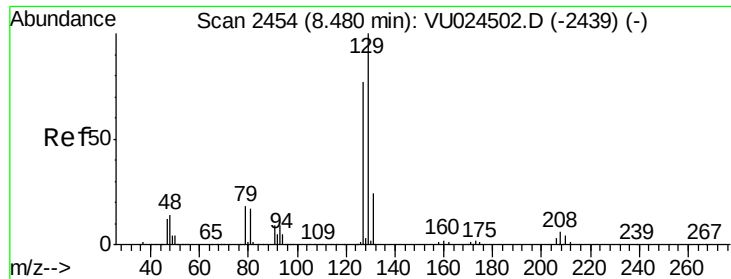
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#59
 2-Hexanone
 Concen: 253.199 ug/l
 RT: 8.36 min Scan# 2418
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion: 43 Resp: 698104
 Ion Ratio Lower Upper
 43 100
 58 52.4 26.4 79.0





#60

Dibromochloromethane

Concen: 47.836 ug/l

RT: 8.48 min Scan# 2454

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion:129 Resp: 126833

Ion Ratio Lower Upper

129 100

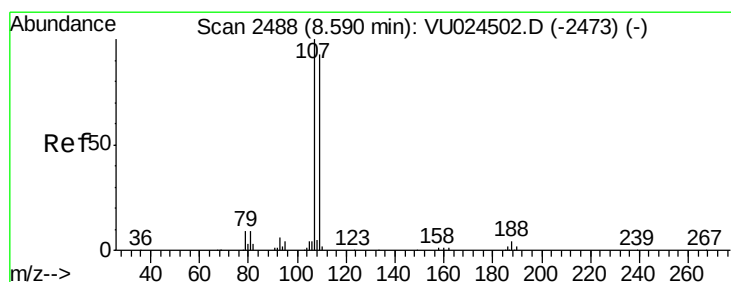
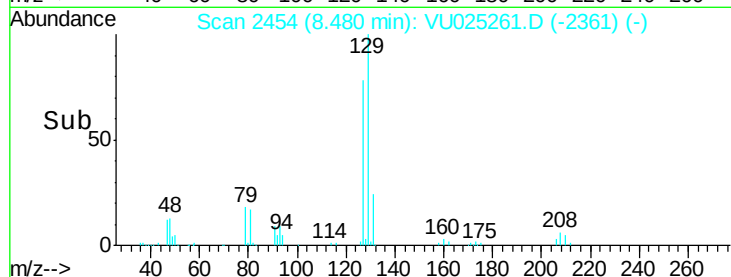
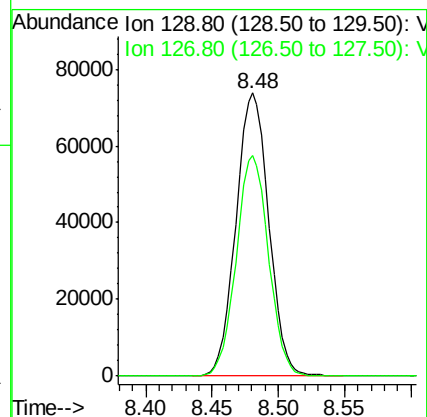
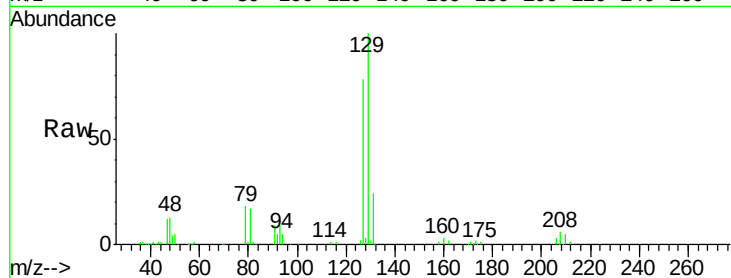
127 76.7 38.6 116.0

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 51.334 ug/l

RT: 8.59 min Scan# 2488

Delta R.T. 0.00 min

Lab File: VU025261.D

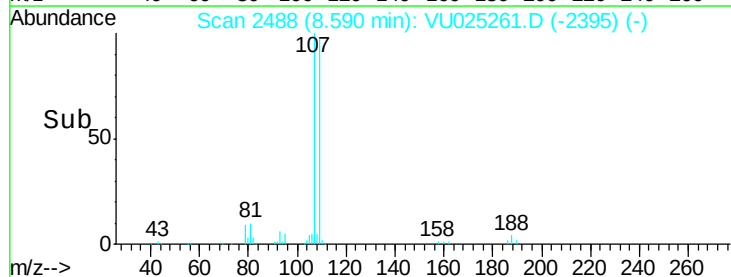
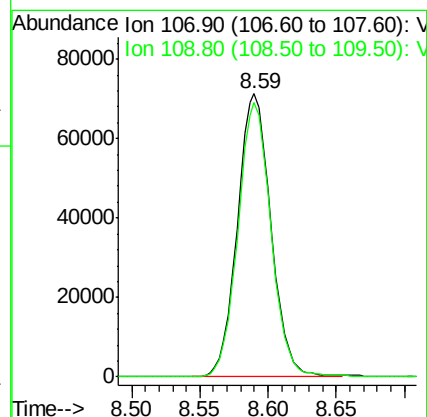
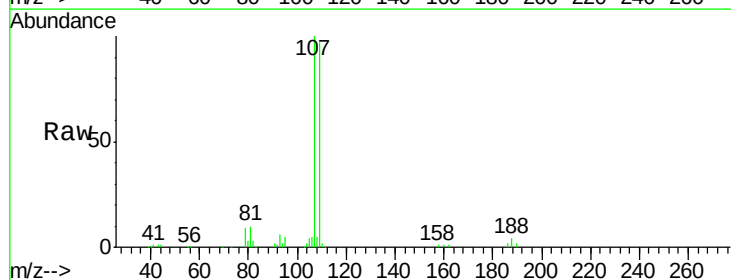
Acq: 06 Jul 2018 23:45

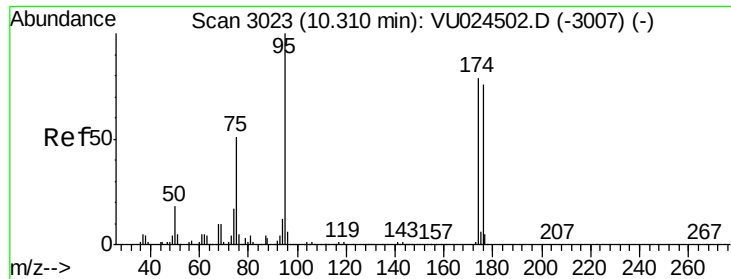
Tgt Ion:107 Resp: 121484

Ion Ratio Lower Upper

107 100

109 95.6 74.5 111.7





#62

4-Bromofluorobenzene

Concen: 50.079 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

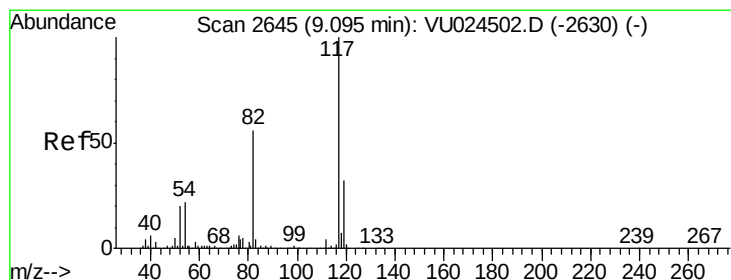
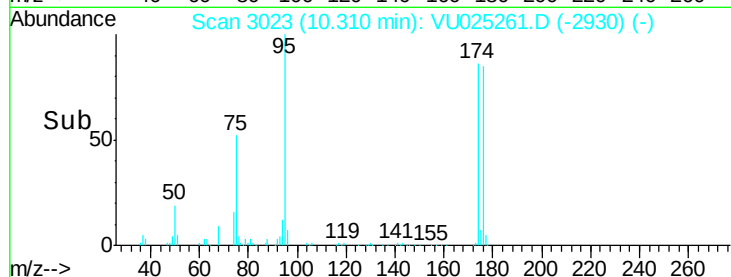
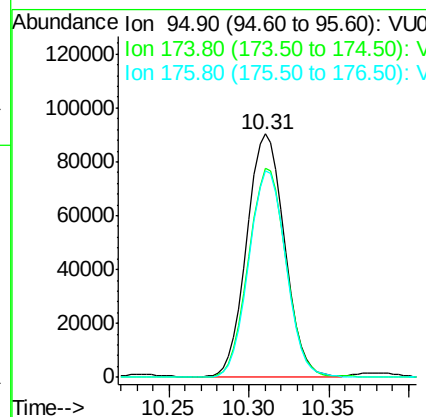
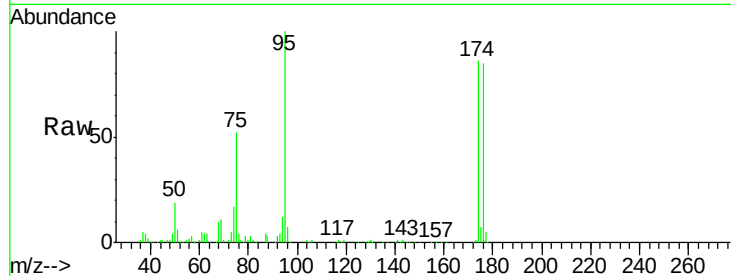
ClientSampleId :

WP021MW470-180628MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		146153		
174	85.4	0.0	165.8		
176	83.5	0.0	159.4		

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

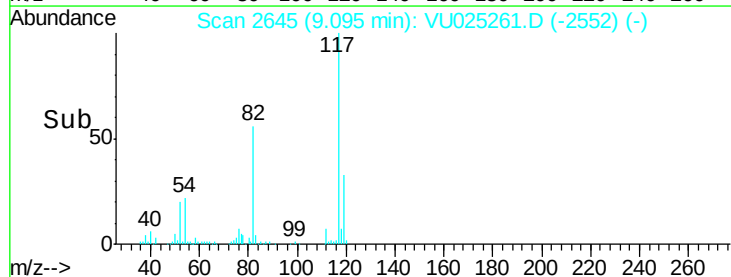
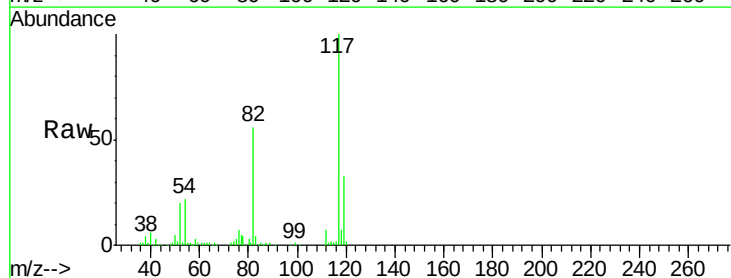
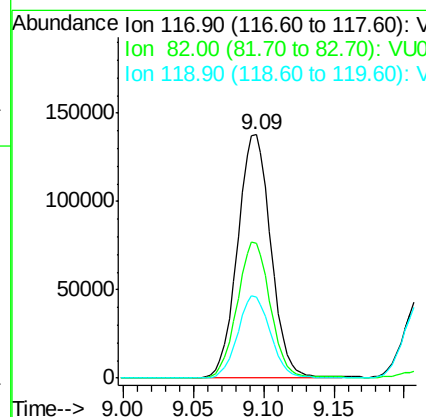
RT: 9.09 min Scan# 2645

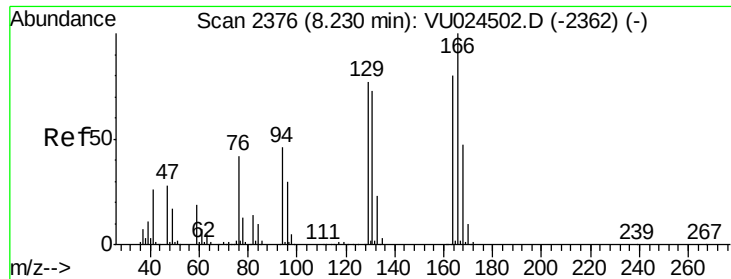
Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		228404		
82	55.6	44.3	66.5		
119	33.1	25.4	38.2		





#64

Tetrachloroethene

Concen: 44.678 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion:164 Resp: 97000

Ion Ratio Lower Upper

164 100

166 122.8 101.7 152.5

129 94.1 76.9 115.3

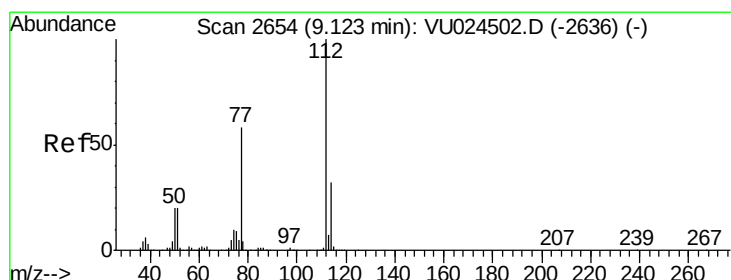
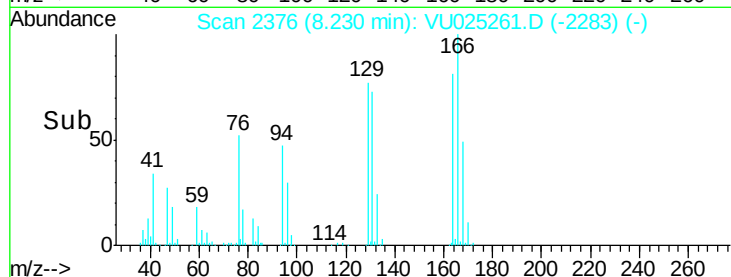
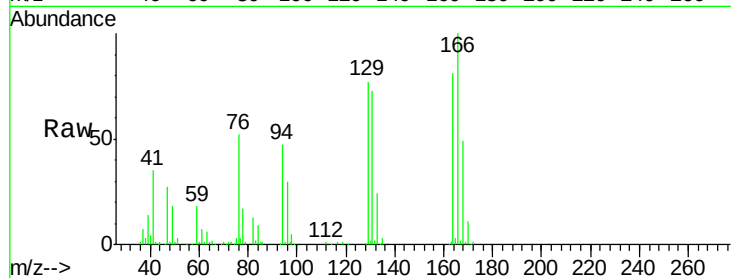
131 90.1 74.9 112.3

Manual Integrations

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7/9/2018 12:58:03 PM



#65

Chlorobenzene

Concen: 83.208 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU025261.D

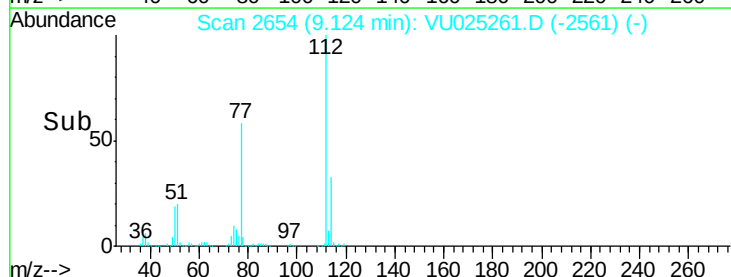
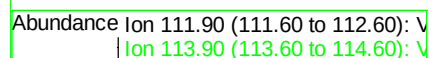
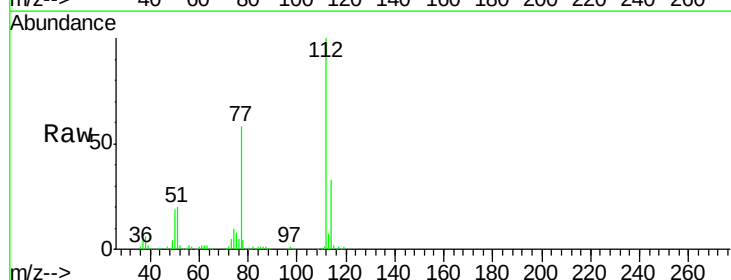
Acq: 06 Jul 2018 23:45

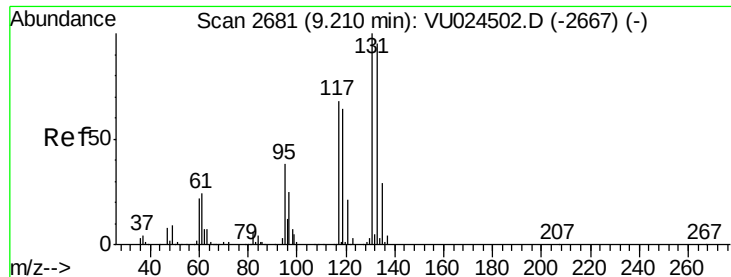
Tgt Ion:112 Resp: 485511

Ion Ratio Lower Upper

112 100

114 32.6 25.6 38.4





#66

1,1,1,2-Tetrachloroethane

Concen: 50.738 ug/l

RT: 9.21 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

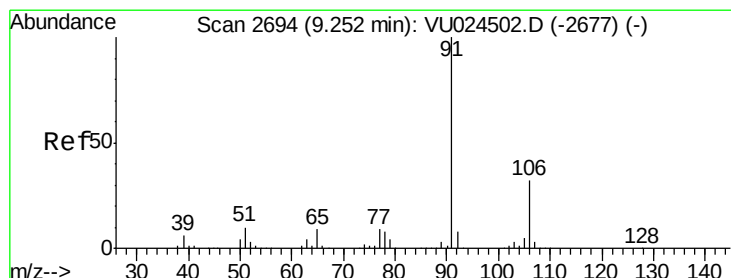
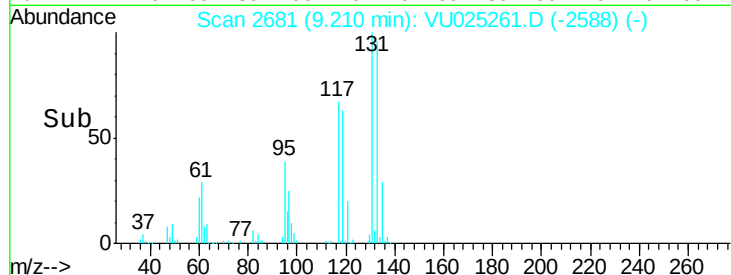
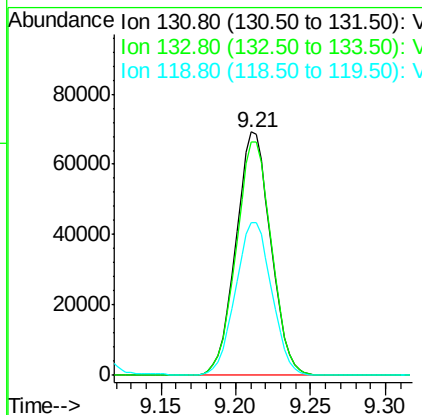
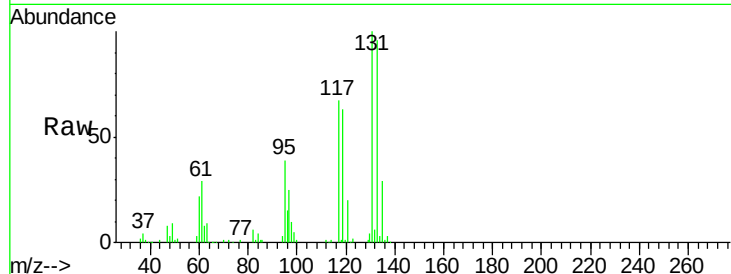
ClientSampleId :

WP021MW470-180628MSD

Tot Ion:	131	Resp:	112476
Ion Ratio	Lower	Upper	
131	100		
133	97.3	46.9	140.8
119	65.1	33.5	100.4

Manual Integrations
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#67

Ethyl Benzene

Concen: 49.544 ug/l

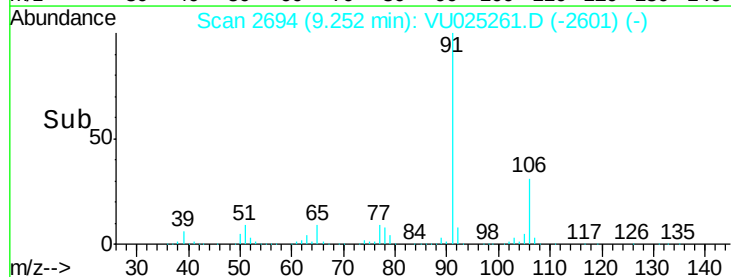
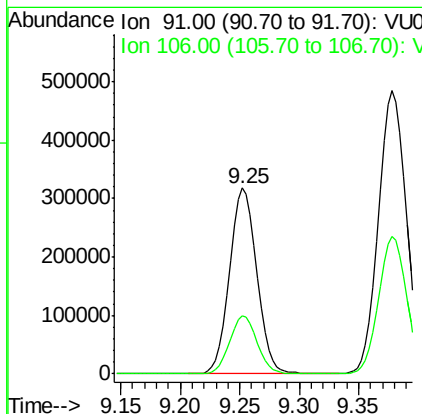
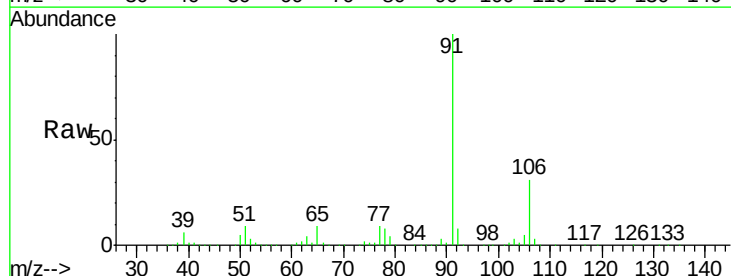
RT: 9.25 min Scan# 2694

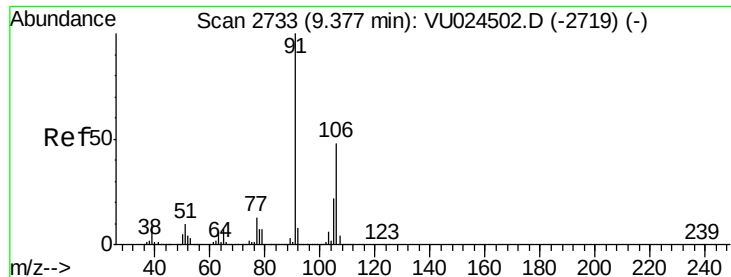
Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Tgt Ion:	91	Resp:	506786
Ion Ratio	Lower	Upper	
91	100		
106	31.0	24.2	36.4





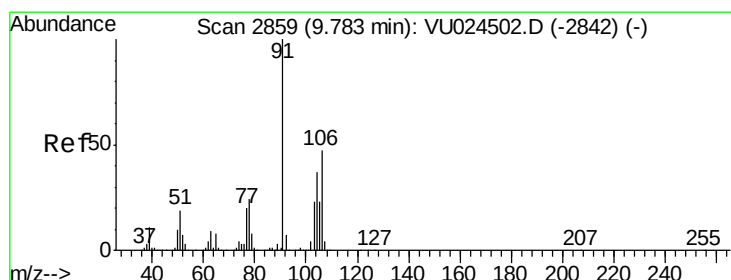
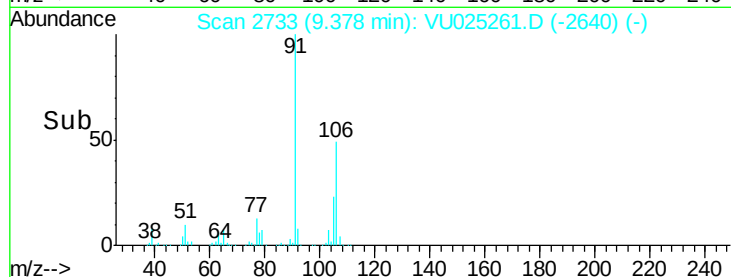
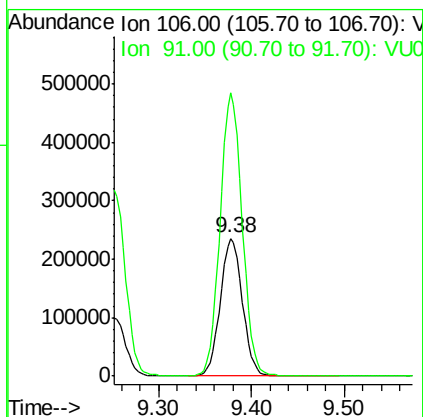
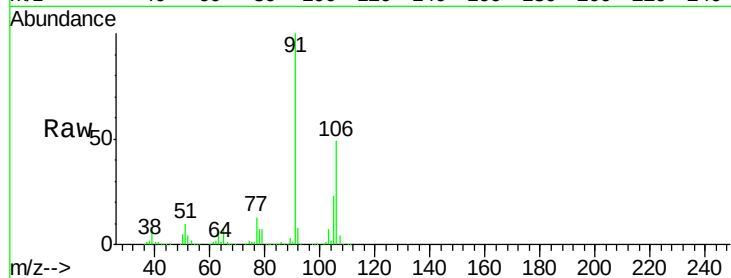
#68
m/p-Xylenes
Concen: 99.351 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		390245		
91	205.1	166.5	249.7		

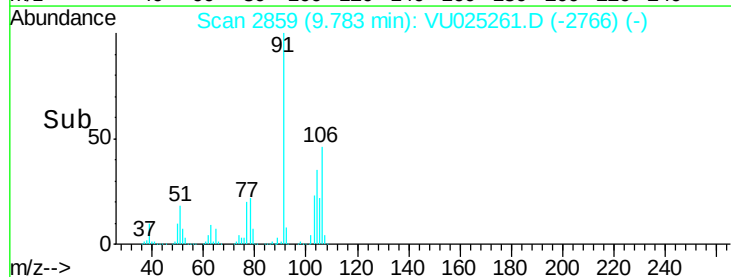
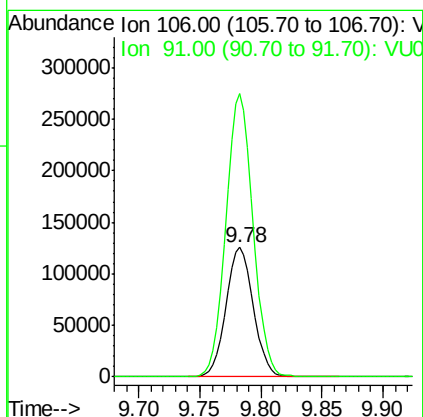
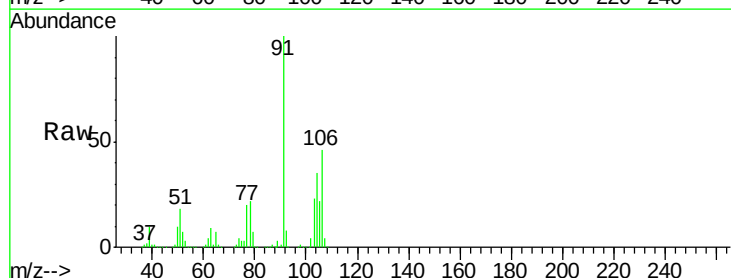
Manual Integrations
APPROVED

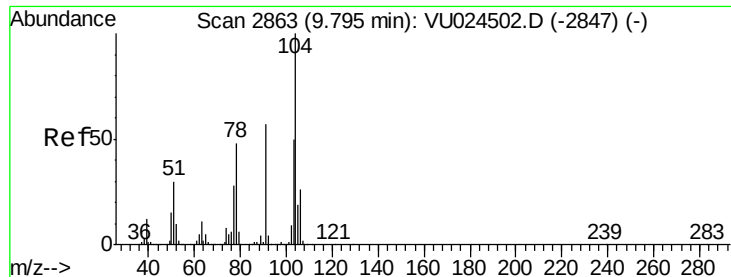
MMDadoda
7/9/2018 12:58:03 PM



#69
o-Xylene
Concen: 50.923 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		197955		
91	216.5	110.7	331.9		





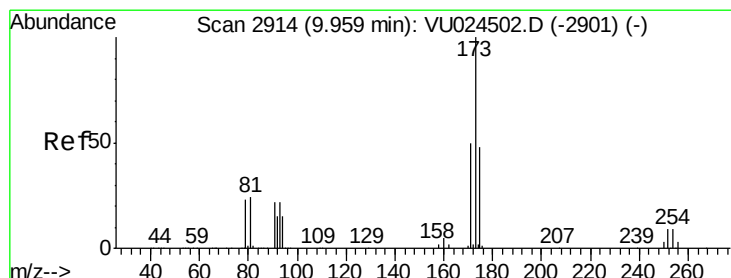
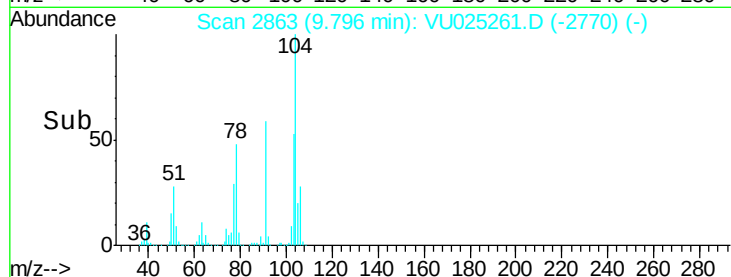
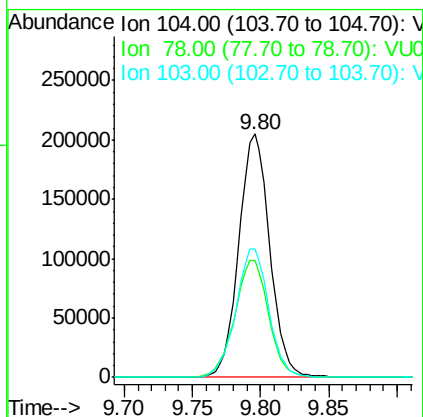
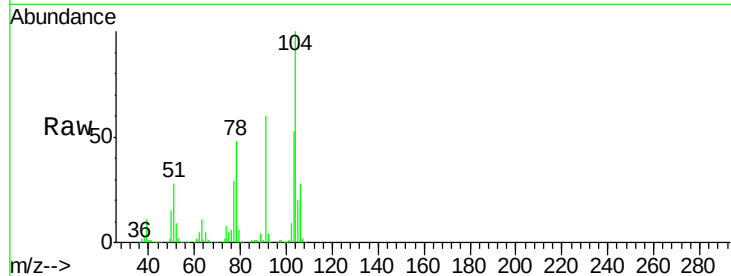
#70
Stvrene
Concen: 50.619 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.5	40.6	60.8
103	55.9	44.7	67.1

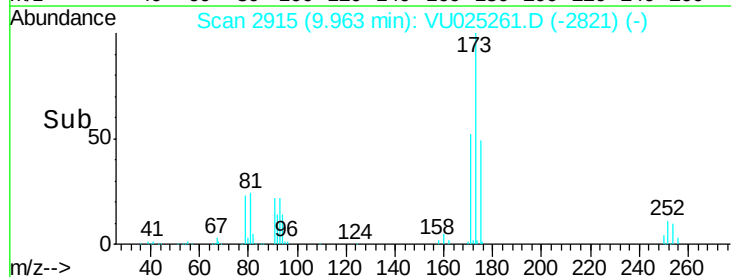
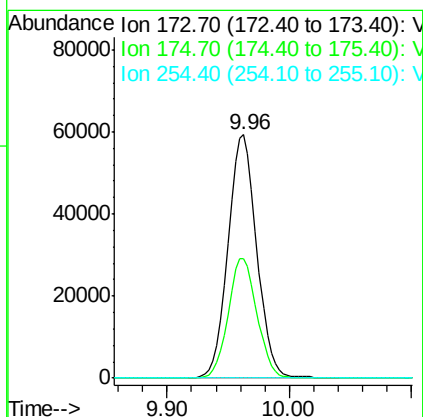
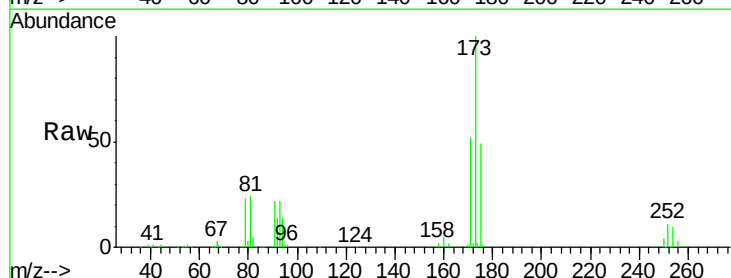
Manual Integrations
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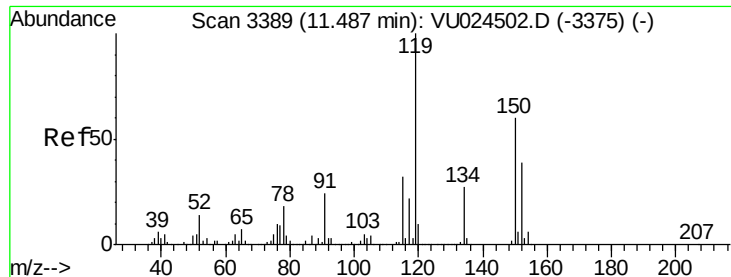
MMDadoda
7/9/2018 12:58:03 PM



#71
Bromoform
Concen: 46.251 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.6	74.0
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

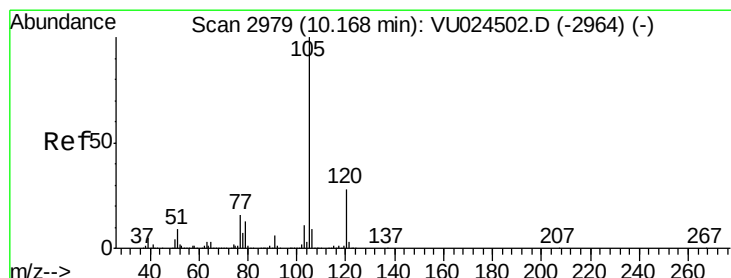
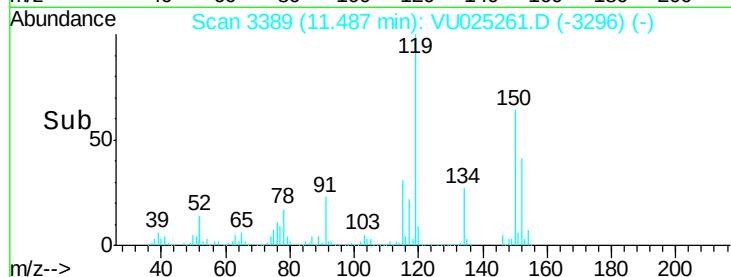
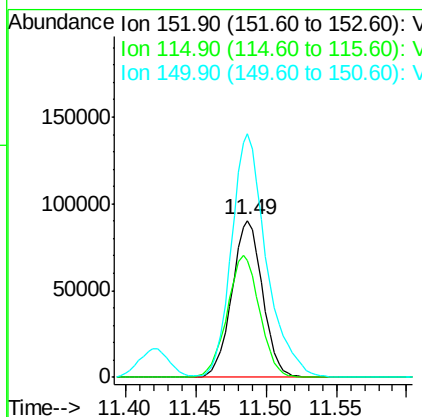
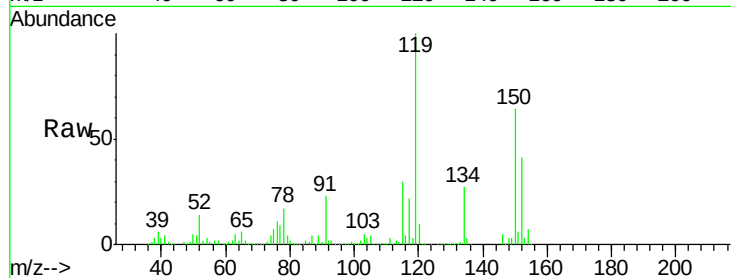
ClientSampleId :

WP021MW470-180628MSD

Tot Ion:	152	Resp:	137157
Ion Ratio	Lower	Upper	
152	100		
115	82.1	43.0	129.0
150	176.4	0.0	354.0

Manual Integrations
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7/9/2018 12:58:03 PM



#73

Isopropylbenzene

Concen: 49.318 ug/l

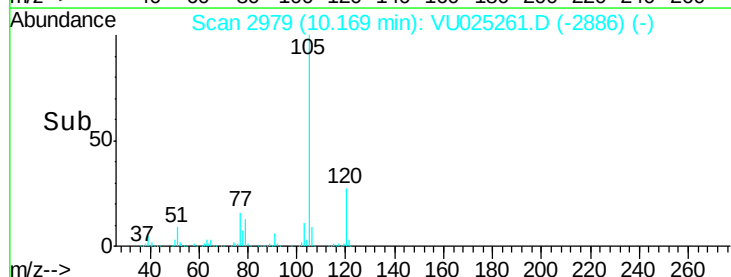
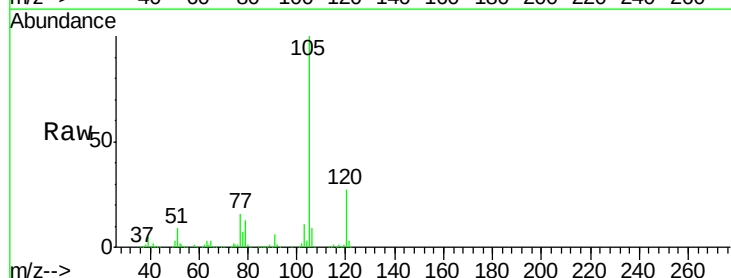
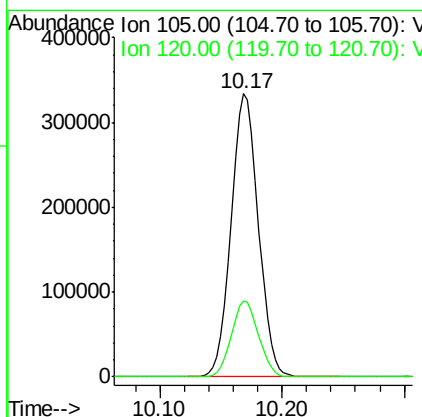
RT: 10.17 min Scan# 2979

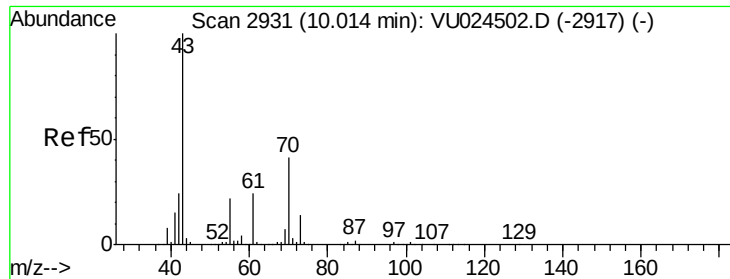
Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Tgt Ion:	105	Resp:	519332
Ion Ratio	Lower	Upper	
105	100		
120	26.7	13.2	39.6





#74

N-amvl acetate

Concen: 45.339 ug/l

RT: 10.01 min Scan# 2931

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

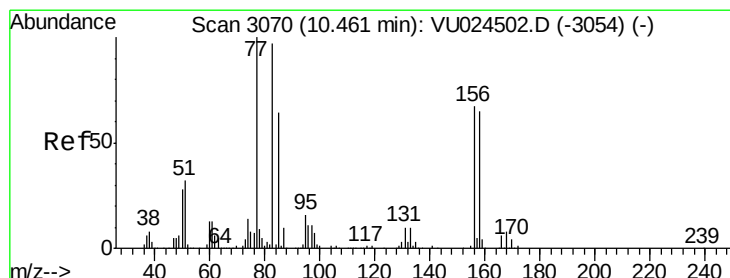
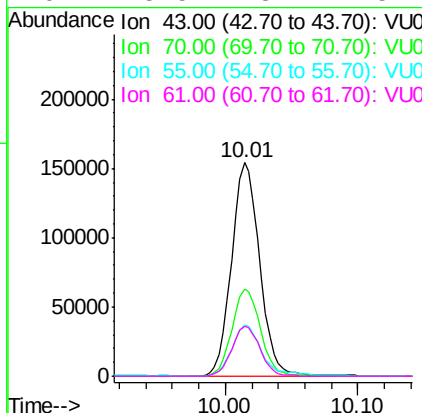
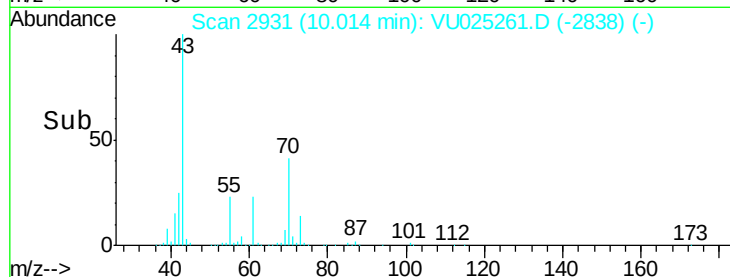
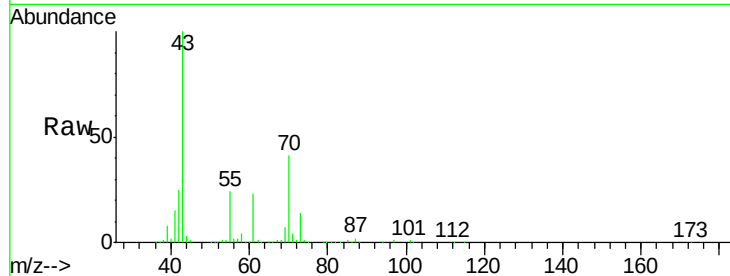
ClientSampleId :

WP021MW470-180628MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		227090		
70	41.8	32.2	48.4		
55	26.3	20.5	30.7		
61	23.5	18.7	28.1		

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 54.060 ug/l

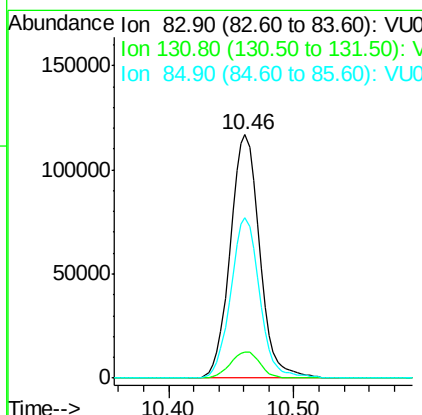
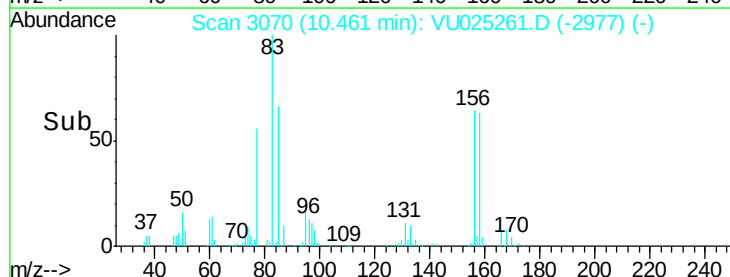
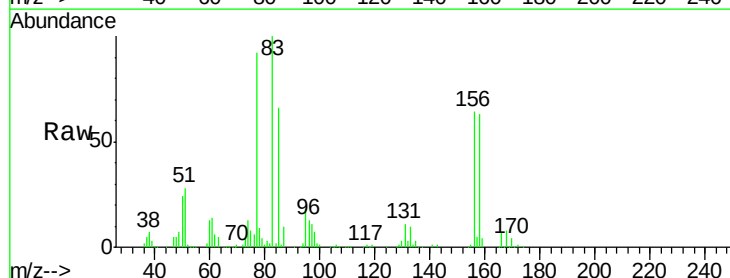
RT: 10.46 min Scan# 3070

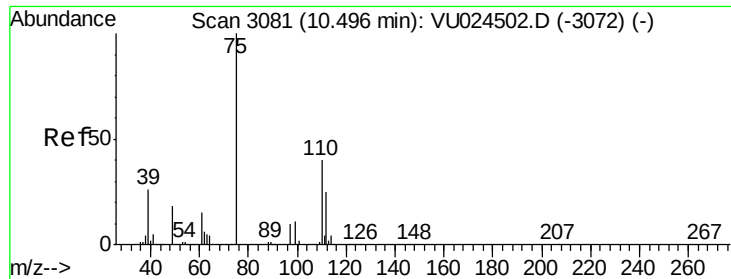
Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		190764		
131	10.8	4.7	14.1		
85	64.6	32.5	97.5		





#76

1,2,3-Trichloropropane

Concen: 55.375 ug/l m

RT: 10.50 min Scan# 3081

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion: 75 Resp: 167215

Ion Ratio Lower Upper

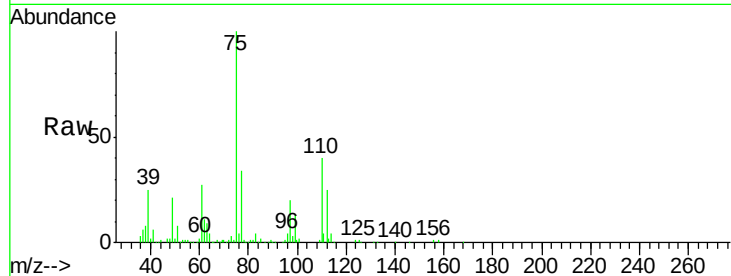
75 100

77 41.4 20.9 62.7

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VU024502.D (-3072) (-)

Ion 77.00 (76.70 to 77.70): VU024502.D (-3072) (-)

150000

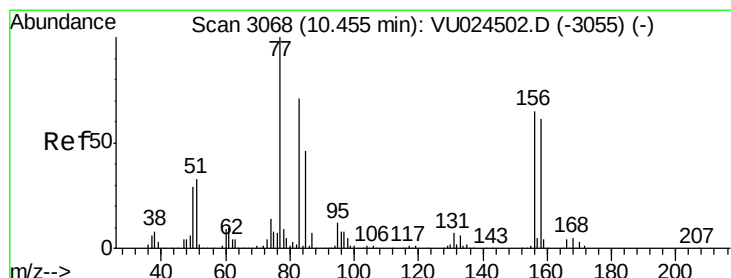
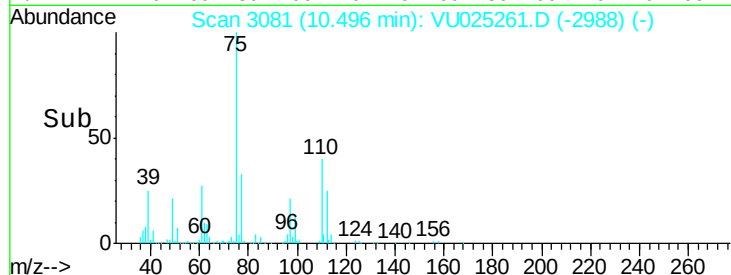
100000

50000

0

10.45 10.50

Time-->



#77

Bromobenzene

Concen: 52.130 ug/l

RT: 10.45 min Scan# 3068

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

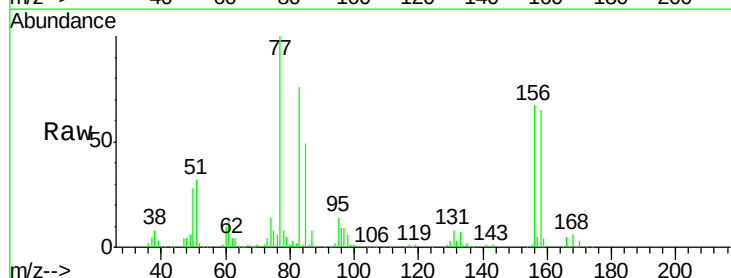
Tgt Ion: 156 Resp: 138974

Ion Ratio Lower Upper

156 100

77 148.8 80.5 241.3

158 97.4 48.2 144.6



Abundance Ion 155.80 (155.50 to 156.50): VU024502.D (-3055) (-)

Ion 77.00 (76.70 to 77.70): VU024502.D (-3055) (-)

Ion 157.80 (157.50 to 158.50): VU024502.D (-3055) (-)

150000

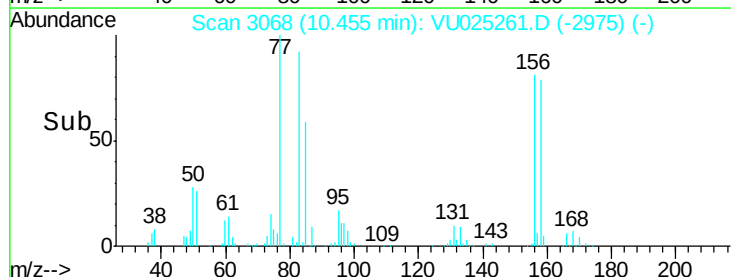
100000

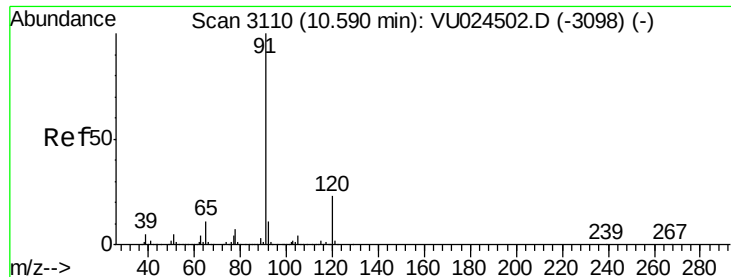
50000

0

10.40 10.50

Time-->





#78

n-propylbenzene

Concen: 47.257 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion: 91 Resp: 586208

Ion Ratio Lower Upper

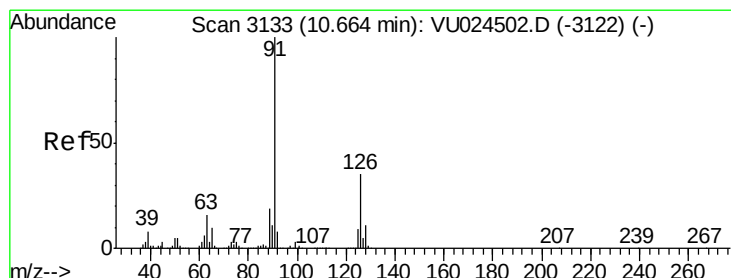
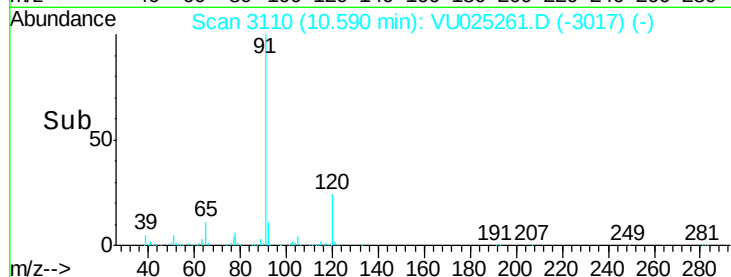
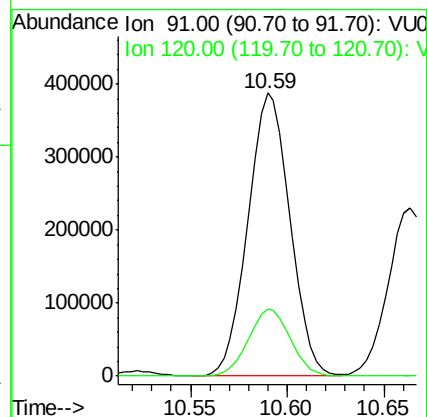
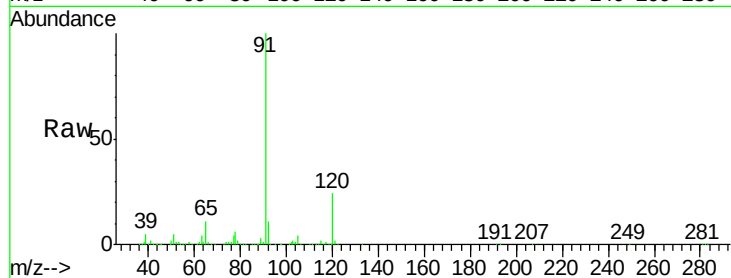
91 100

120 23.7 11.2 33.5

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#79

2-Chlorotoluene

Concen: 49.041 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU025261.D

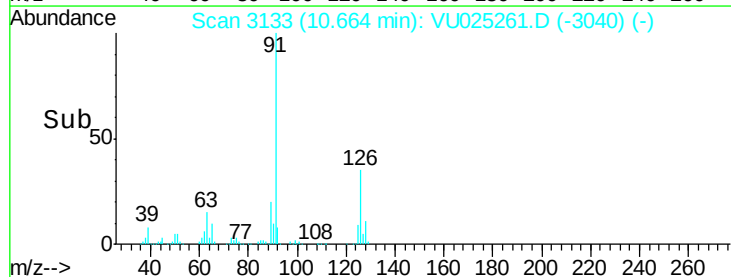
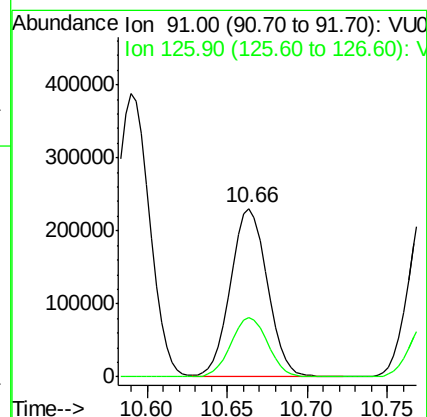
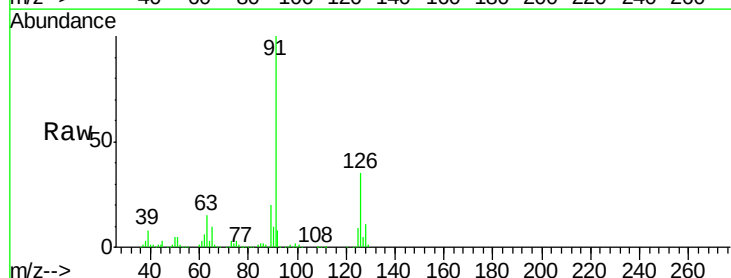
Acq: 06 Jul 2018 23:45

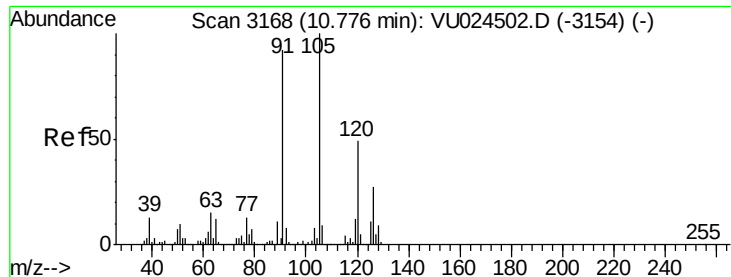
Tgt Ion: 91 Resp: 358742

Ion Ratio Lower Upper

91 100

126 35.7 16.9 50.7





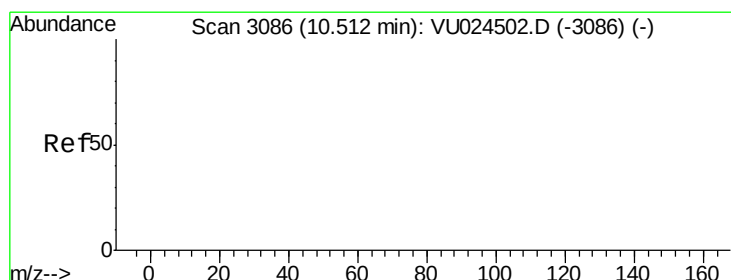
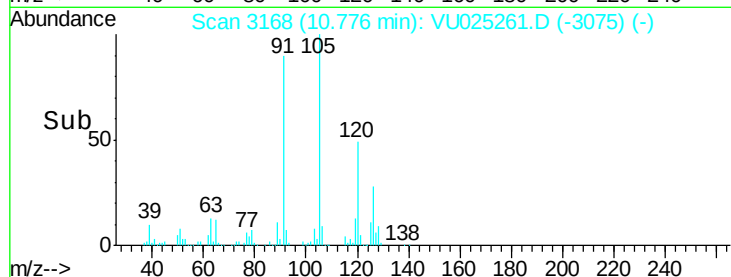
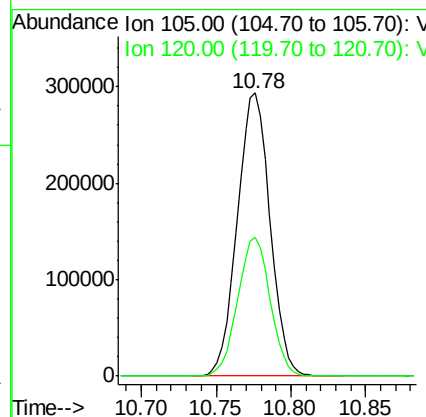
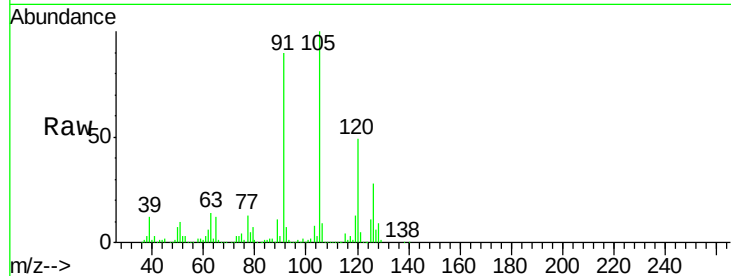
#80
 1,3,5-Trimethylbenzene
 Concen: 49.057 ug/l
 RT: 10.78 min Scan# 3168
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion:105 Resp: 447749
 Ion Ratio Lower Upper
 105 100
 120 48.7 24.1 72.2

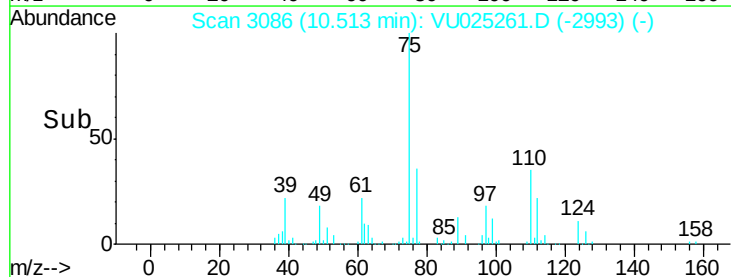
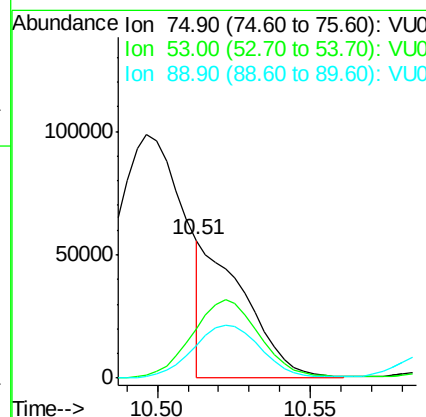
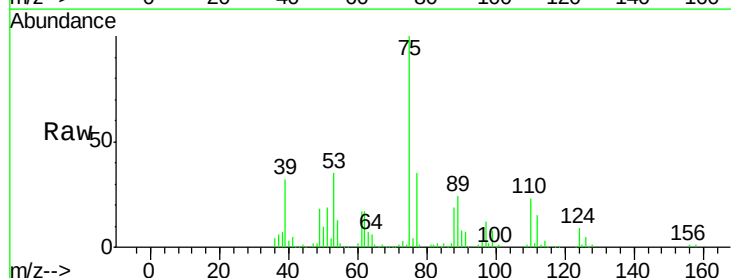
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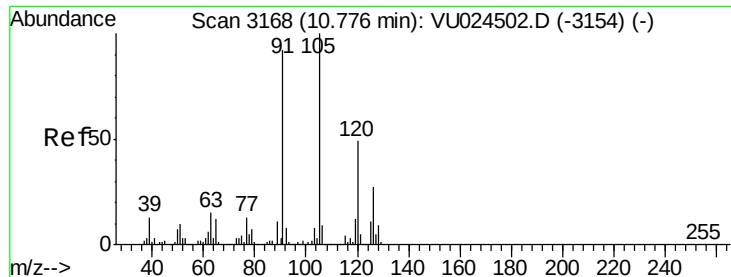
MMDadoda
 7/9/2018 12:58:03 PM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 43.372 ug/l m
 RT: 10.51 min Scan# 3086
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion: 75 Resp: 56589
 Ion Ratio Lower Upper
 75 100
 53 0.0 0.0 0.0
 89 0.0 0.0 0.0





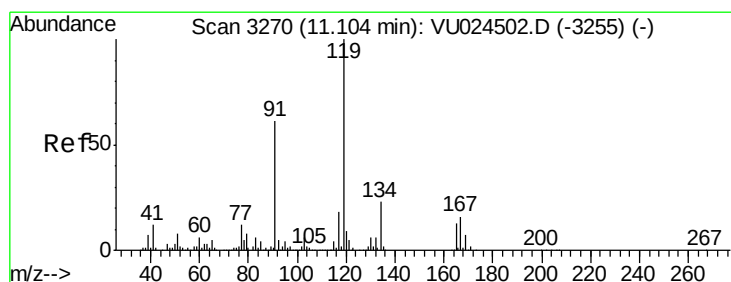
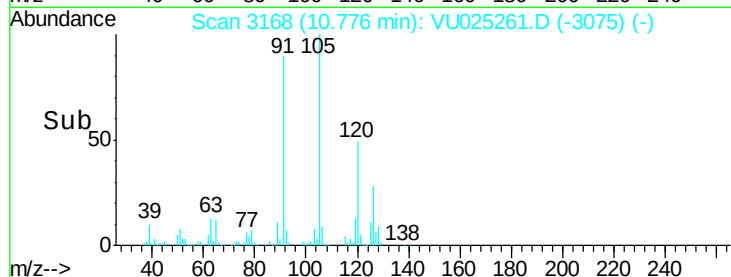
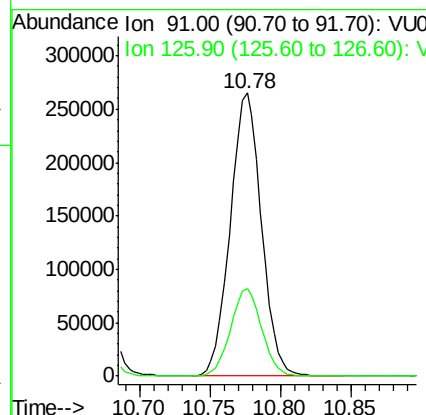
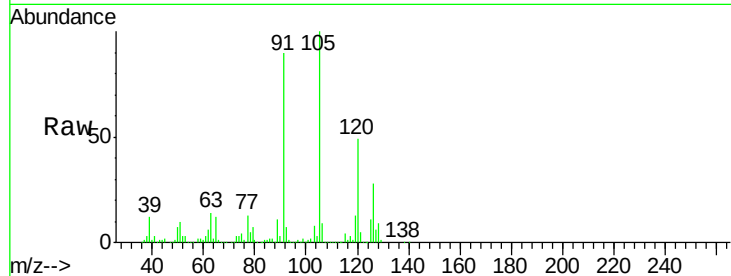
#82
4-Chlorotoluene
Concen: 47.894 ug/l
RT: 10.78 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Instrument :
MSVOA_U
ClientSampleId :
WP021MW470-180628MSD

Tot Ion	Ratio	Resp	Lower	Upper
91	100	407780		
126	31.0	14.9	44.9	

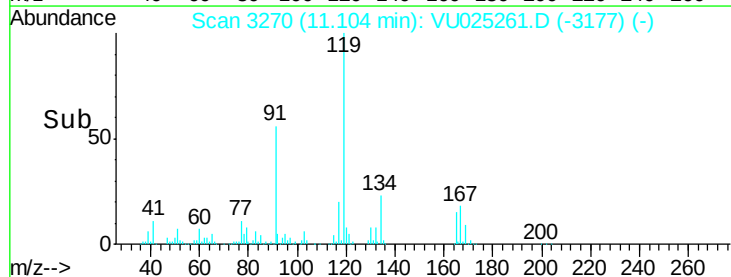
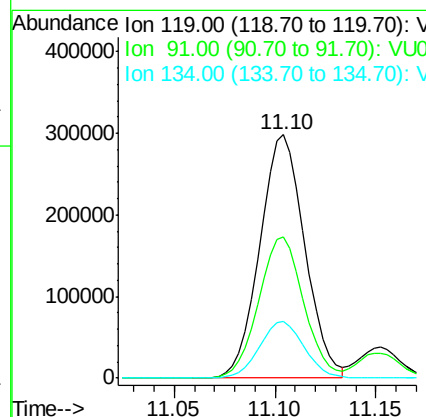
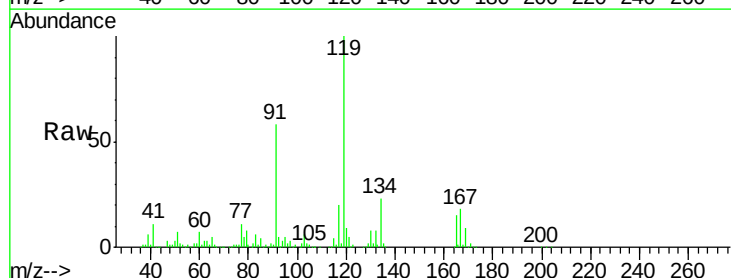
Manual Integrations
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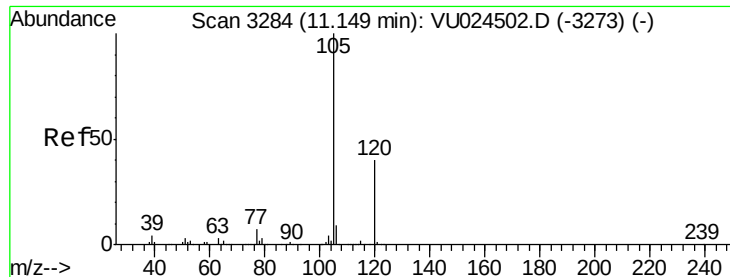
MMDadoda
7/9/2018 12:58:03 PM



#83
tert-Butylbenzene
Concen: 52.810 ug/l
RT: 11.10 min Scan# 3270
Delta R.T. 0.00 min
Lab File: VU025261.D
Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	463651		
91	58.2	29.7	89.1	
134	23.3	11.6	34.7	





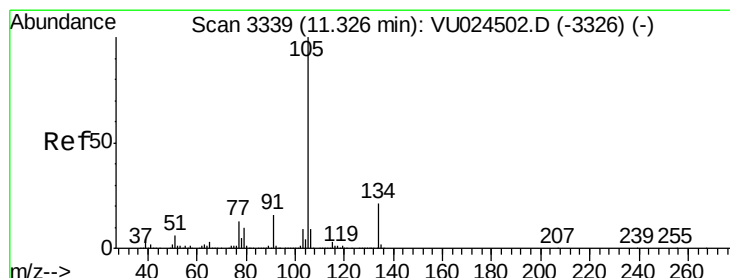
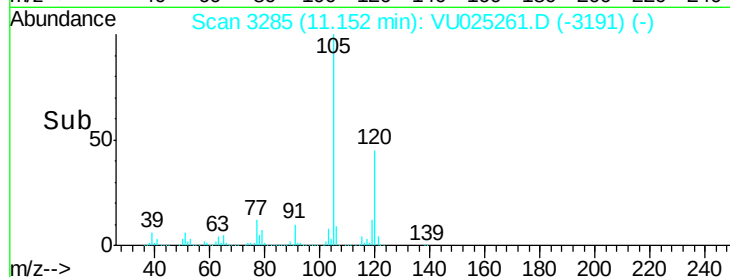
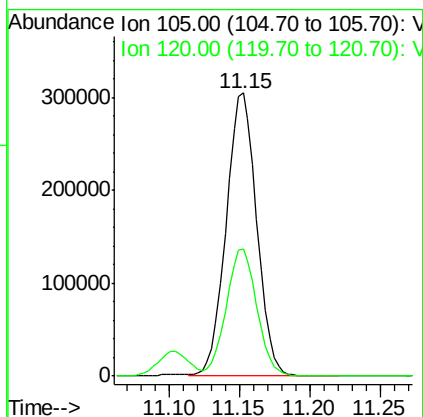
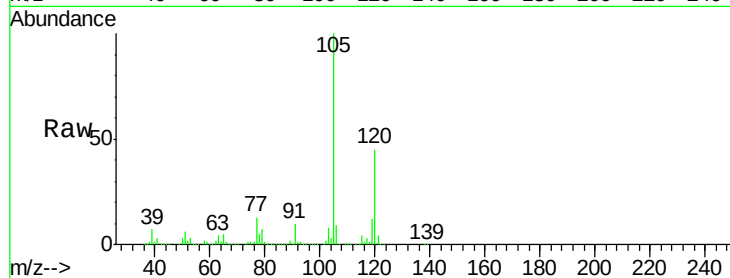
#84
 1,2,4-Trimethylbenzene
 Concen: 49.450 ug/l
 RT: 11.15 min Scan# 3285
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	45.3	22.6	67.8

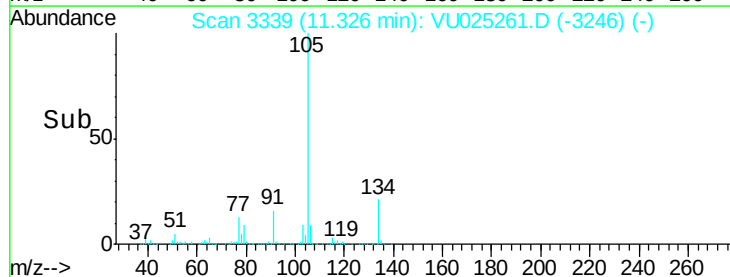
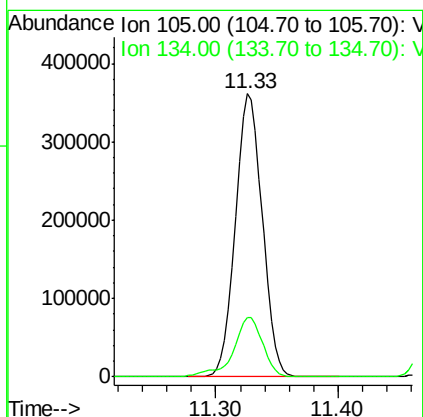
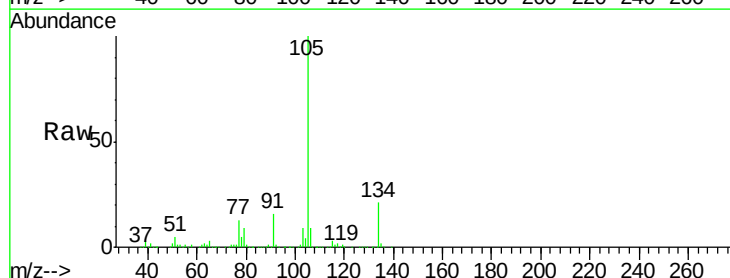
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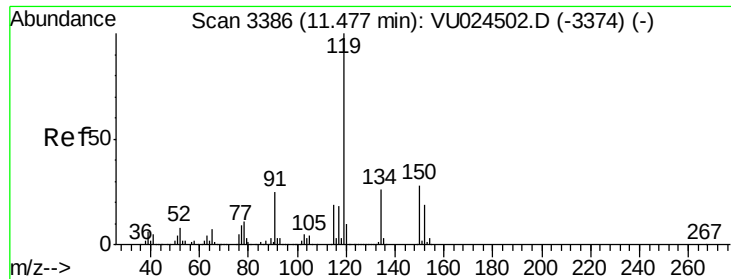
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#85
 sec-Butylbenzene
 Concen: 50.202 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
105	100		
134	23.0	9.7	29.1





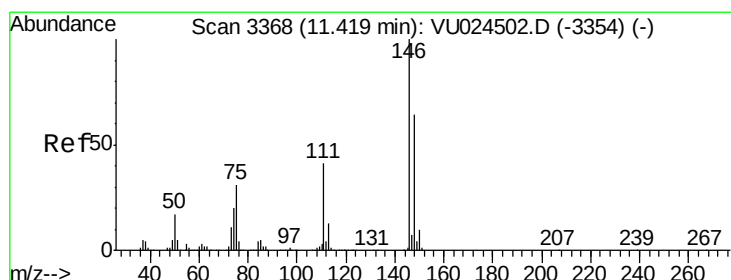
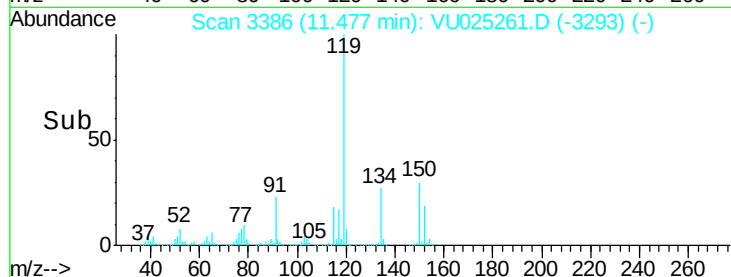
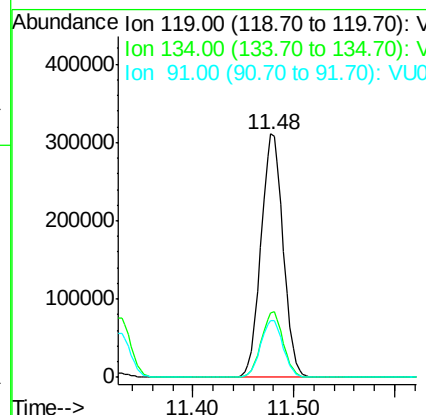
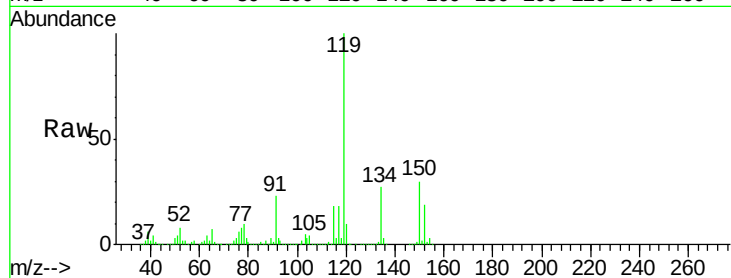
#86
 p-Isopropyltoluene
 Concen: 47.750 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	469983		
134	26.5	12.9	38.6	
91	23.7	12.0	36.1	

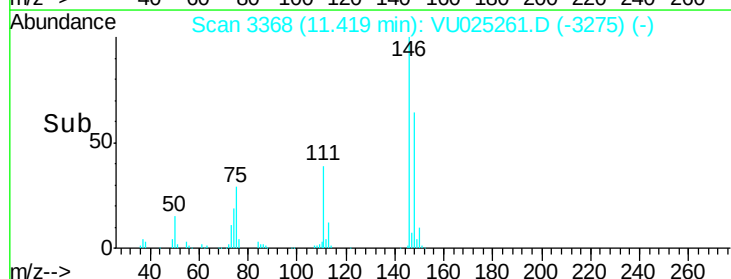
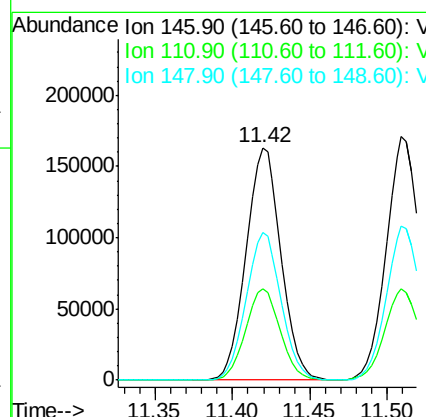
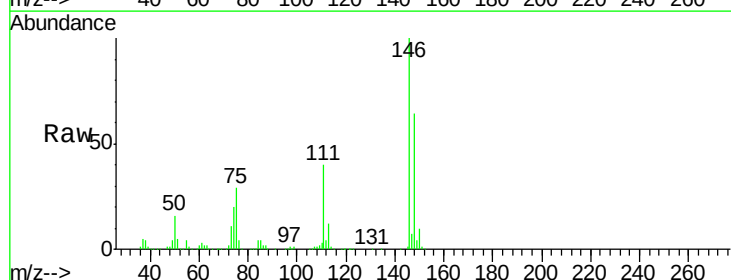
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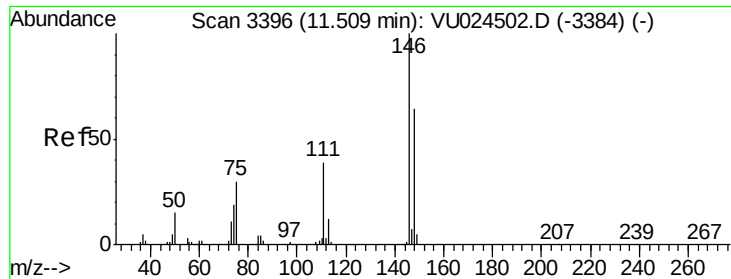
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 7/9/2018 12:58:03 PM



#87
 1,3-Dichlorobenzene
 Concen: 51.879 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	255516		
111	39.0	20.0	60.0	
148	63.5	32.1	96.5	





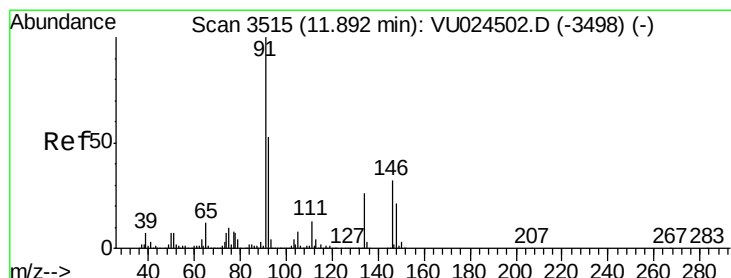
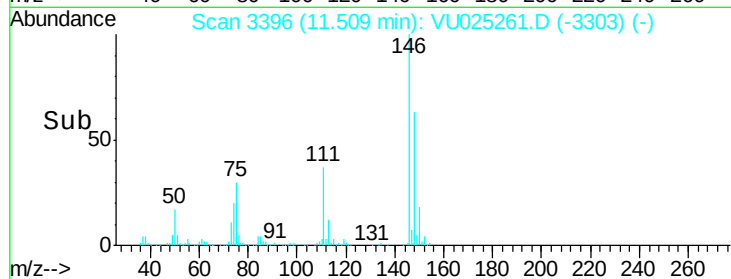
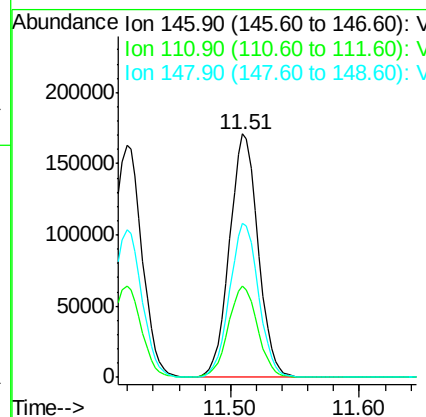
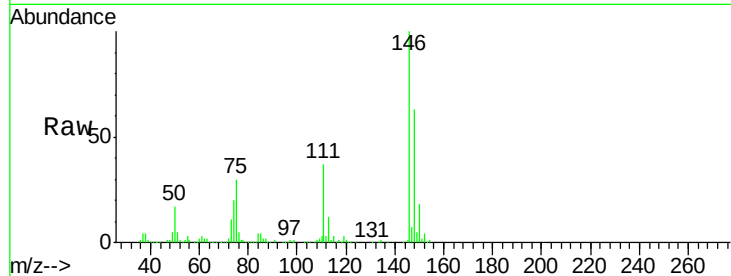
#88
 1,4-Dichlorobenzene
 Concen: 52.804 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	63.9	32.4	97.0

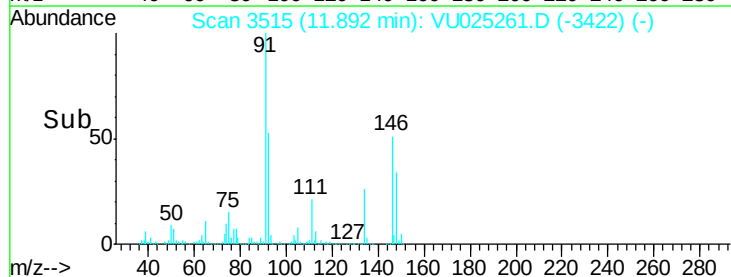
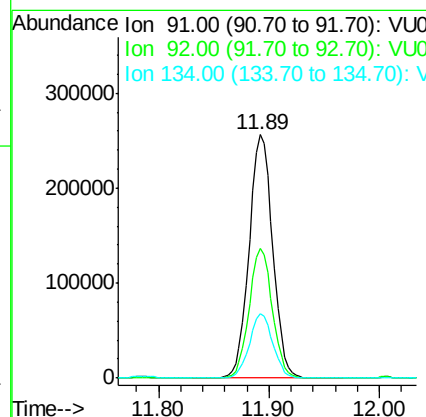
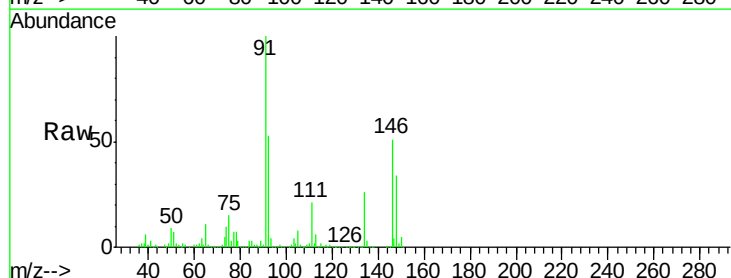
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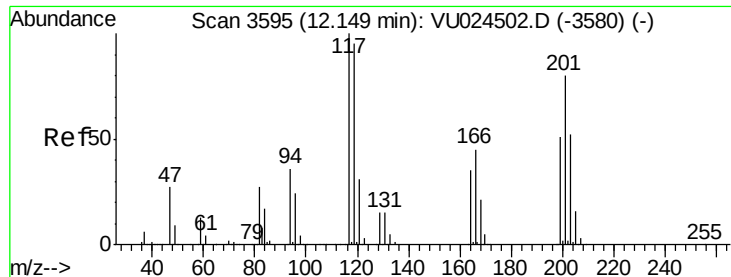
MMDadoda
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#89
 n-Butylbenzene
 Concen: 43.169 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.4	25.6	76.8
134	26.3	12.3	36.8





#90

Hexachloroethane

Concen: 41.087 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

ClientSampleId :

WP021MW470-180628MSD

Tot Ion:117 Resp: 78889

Ion Ratio Lower Upper

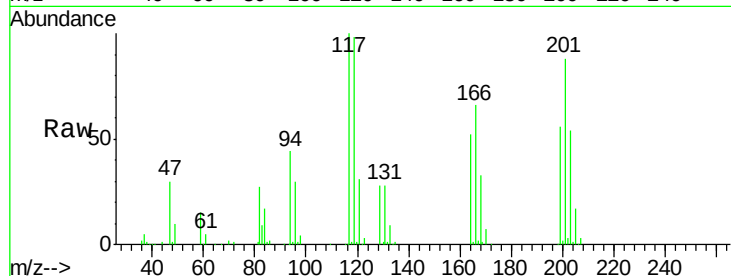
117 100

201 87.6 41.1 123.3

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

12.15

50000

40000

30000

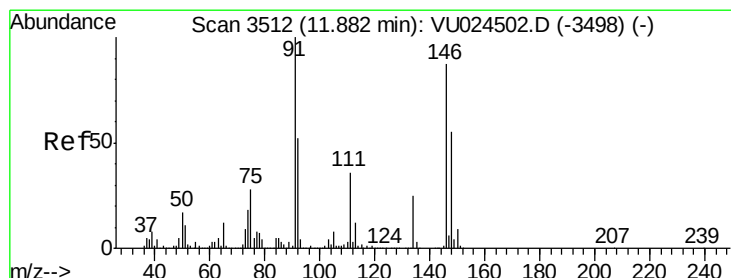
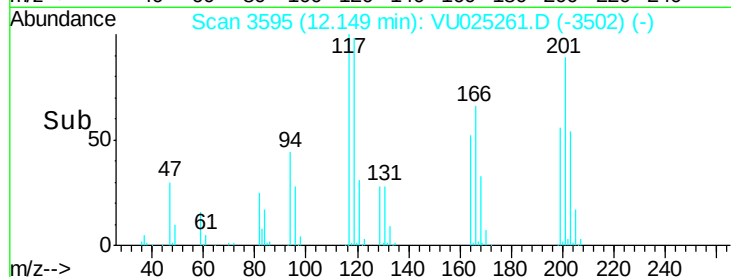
20000

10000

0

Time-->

12.10 12.15 12.20



#91

1,2-Dichlorobenzene

Concen: 65.096 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

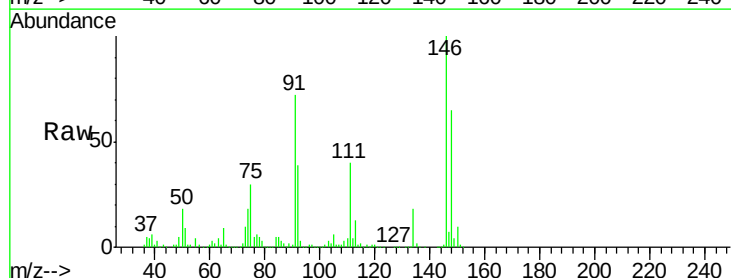
Tgt Ion:146 Resp: 321137

Ion Ratio Lower Upper

146 100

111 41.1 20.5 61.6

148 64.7 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

11.88

250000

200000

150000

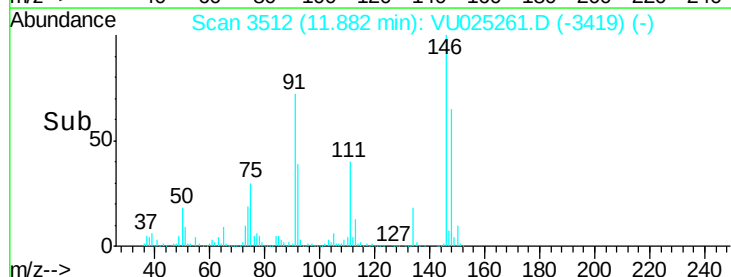
100000

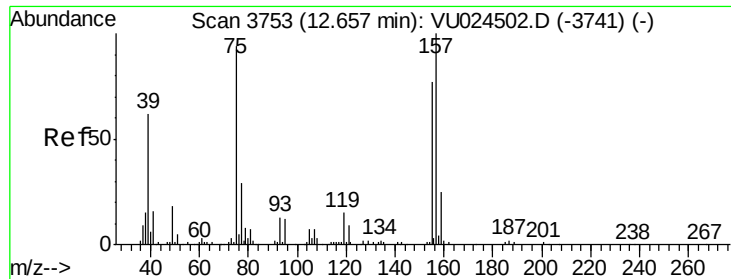
50000

0

Time-->

11.80 11.85 11.90 11.95





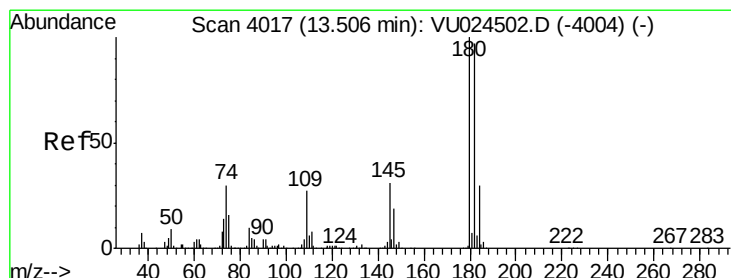
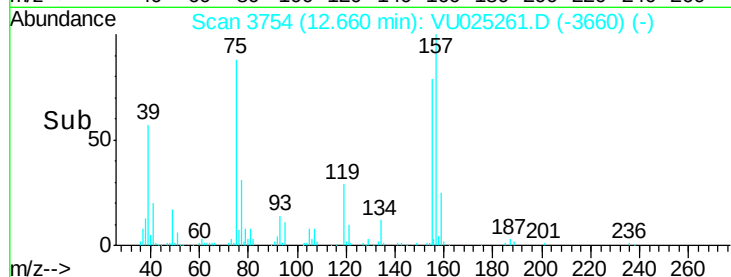
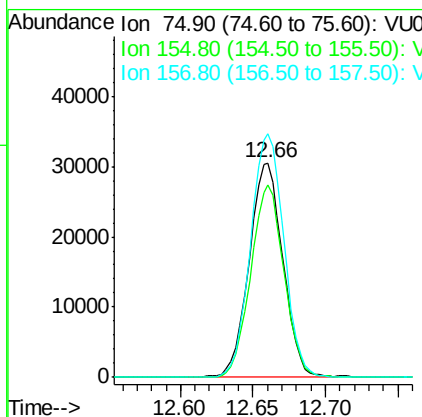
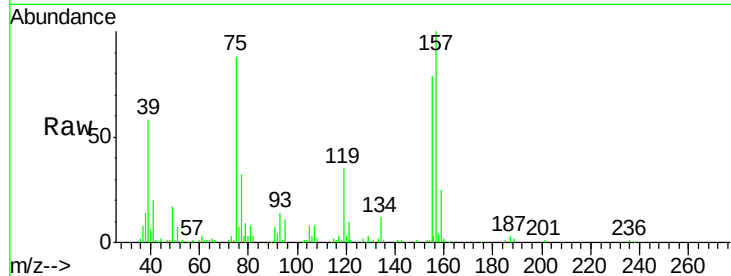
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.859 ug/l
 RT: 12.66 min Scan# 3754
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	88.2	40.4	121.2
157	111.9	52.3	156.8

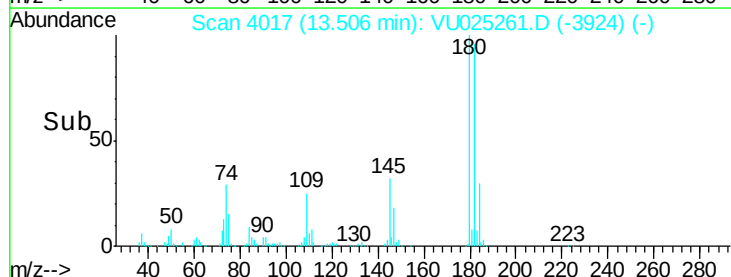
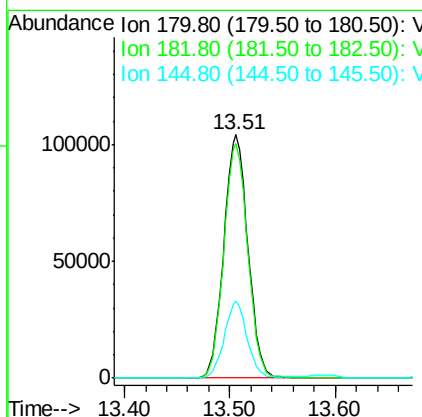
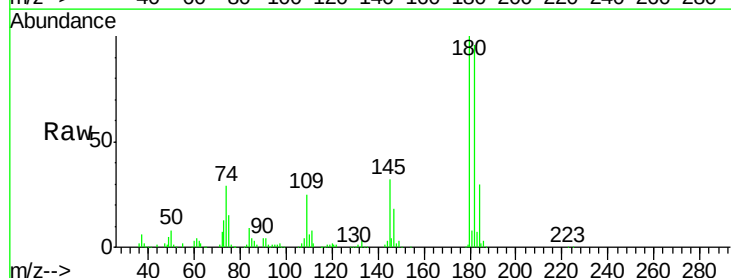
Manual Integrations
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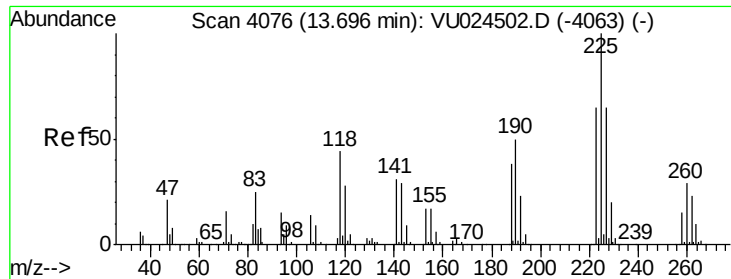
MMDadoda
 7/9/2018 12:58:03 PM



#93
 1,2,4-Trichlorobenzene
 Concen: 54.005 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.0	144.2
145	29.9	14.7	44.1





#94

Hexachlorobutadiene

Concen: 49.075 ug/l

RT: 13.70 min Scan# 4076

Delta R.T. 0.00 min

Lab File: VU025261.D

Acq: 06 Jul 2018 23:45

Instrument :

MSVOA_U

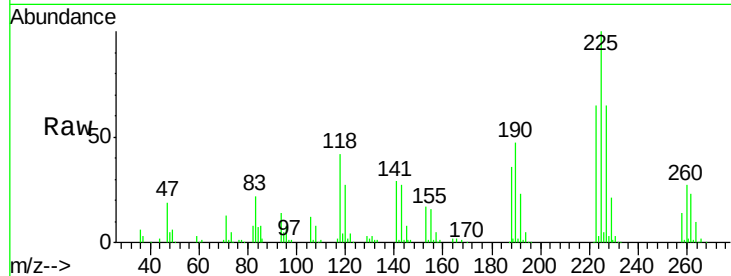
ClientSampleId :

WP021MW470-180628MSD

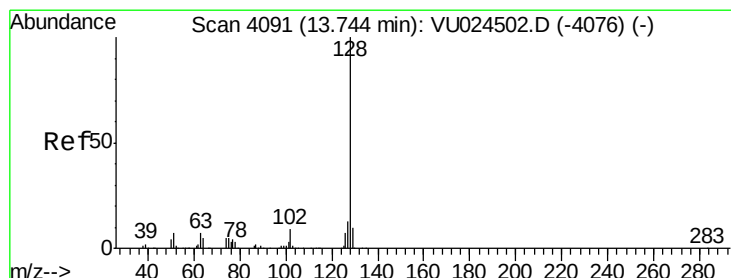
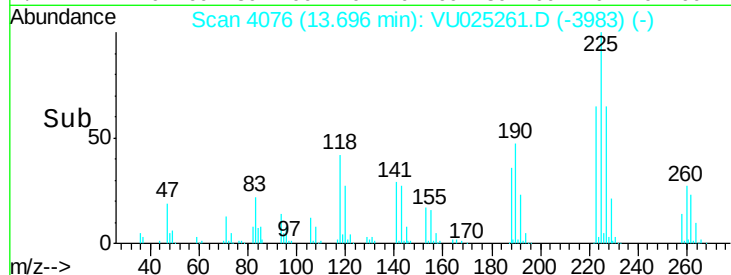
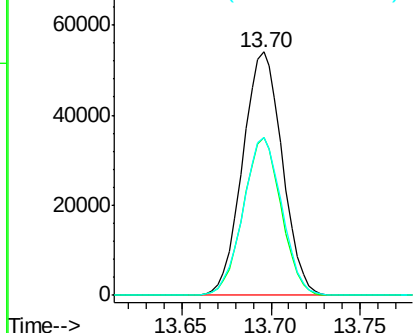
Tot Ion:	225	Resp:	84148
Ion Ratio	Lower	Upper	
225	100		
223	61.9	31.3	93.8
227	63.5	31.8	95.4

Manual Integrations
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 57.205 ug/l

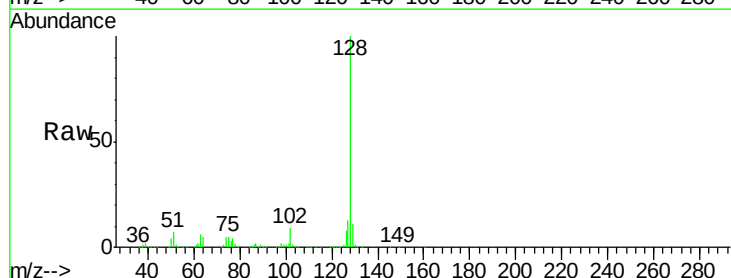
RT: 13.74 min Scan# 4091

Delta R.T. 0.00 min

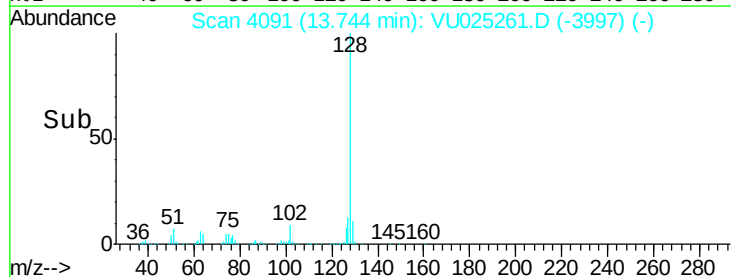
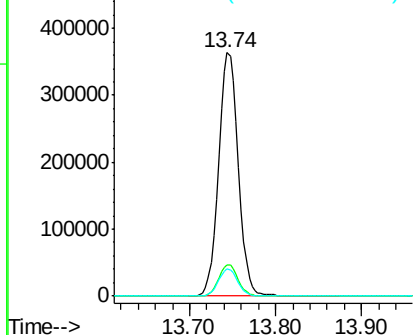
Lab File: VU025261.D

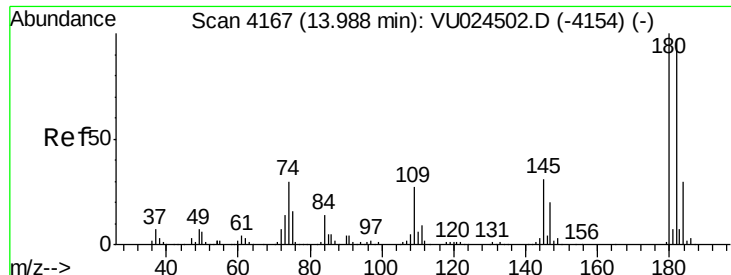
Acq: 06 Jul 2018 23:45

Tgt Ion:	128	Resp:	577922
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	11.0	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 58.832 ug/l
 RT: 13.99 min Scan# 4167
 Delta R.T. 0.00 min
 Lab File: VU025261.D
 Acq: 06 Jul 2018 23:45

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW470-180628MSD

Tot Ion:	180	Resp:	178588
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.9	143.7
145	31.4	15.4	46.1

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 12:58:03 PM

