

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU063018\
 Data File : VU025100.D
 Acq On : 30 Jun 2018 20:01
 Operator : MD/SY
 Sample : J3759-13
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW357-180625

Quant Time: Jul 02 05:40:54 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	248833	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.90	114	368845	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	357549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	200935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.32	65	178881	44.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.06%	
35) Dibromofluoromethane	4.89	113	135602	44.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.60%	
50) Toluene-d8	7.57	98	545356	48.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.68%	
62) 4-Bromofluorobenzene	10.31	95	210012	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	

Target Compounds

						Qvalue
3) Chloromethane	1.40	50	107065	33.647	ug/l #	42
5) Bromomethane	1.63	94	1239	0.781	ug/l	92
8) Diethyl Ether	2.10	74	114	Below Cal	#	1
9) 1,1,2-Trichlorotrifluoroet	2.29	101	11049	3.556	ug/l #	78
10) Methyl Iodide	2.42	142	568	5.482	ug/l #	58
11) Tert butyl alcohol	2.82	59	83739	84.758	ug/l	97
12) 1,1-Dichloroethene	2.29	96	1451597	512.328	ug/l	97
14) Allyl chloride	2.44	41	2991	0.569	ug/l #	78
15) Acrylonitrile	2.81	53	388	0.202	ug/l #	1
16) Acetone	2.33	43	5413	2.480	ug/l	94
17) Carbon Disulfide	2.48	76	1994	0.220	ug/l #	88
20) Methylene Chloride	2.71	84	5296	1.546	ug/l	95
21) trans-1,2-Dichloroethene	2.99	96	2478706	794.299	ug/l	99
22) Diisopropyl ether	3.58	45	3844	0.369	ug/l #	96
23) Vinyl Acetate	3.58	43	2210	0.237	ug/l #	73
24) 1,1-Dichloroethane	3.45	63	221738	36.961	ug/l	98
25) 2-Butanone	4.25	43	1359	0.464	ug/l #	1
26) 2,2-Dichloropropane	4.25	77	3452	0.606	ug/l #	1
29) Tetrahydrofuran	4.66	42	4594	2.530	ug/l #	90
30) Chloroform	4.69	83	61415	10.114	ug/l	98
31) Cyclohexane	5.00	56	14722	0.822	ug/l #	70
36) 1,1-Dichloropropene	4.99	75	18309	4.224	ug/l #	52
38) Carbon Tetrachloride	4.99	117	23686	4.970	ug/l #	17
39) Methylcyclohexane	6.23	83	696877	128.842	ug/l #	1
40) Benzene	5.40	78	506106	40.980	ug/l	99
42) 1,2-Dichloroethane	5.41	62	270900	57.593	ug/l	100
43) Isopropyl Acetate	5.45	43	11787	1.443	ug/l #	62
45) 1,2-Dichloropropane	6.22	63	166523	50.533	ug/l #	1
49) 1,4-Dioxane	6.62	88	14176	182.307	ug/l	96
51) 4-Methyl-2-Pentanone	7.47	43	2618	0.510	ug/l	88
52) Toluene	7.64	92	137408	17.294	ug/l	99
53) t-1,3-Dichloropropene	7.64	75	1823	0.352	ug/l #	1
55) 1,1,2-Trichloroethane	8.07	97	402873	124.736	ug/l	97
59) 2-Hexanone	8.17	43	154146	36.805	ug/l	77

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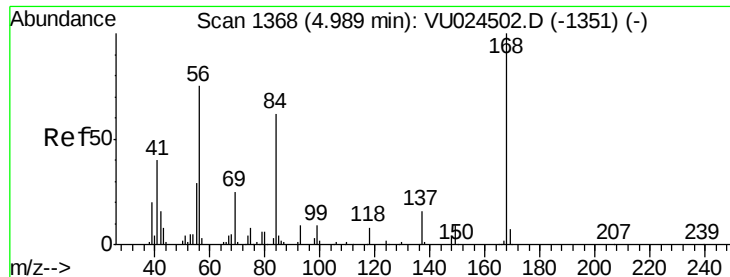
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

60) Dibromochloromethane	8.23	129	57237	14.211	ug/l #	11
64) Tetrachloroethene	8.23	164	62565	18.409	ug/l	98
65) Chlorobenzene	9.12	112	2963850	324.483	ug/l	100
67) Ethyl Benzene	9.26	91	85381	5.332	ug/l	99
68) m/p-Xylenes	9.38	106	16808	2.734	ug/l	100
69) o-Xylene	9.79	106	2940	0.483	ug/l	91
73) Isopropylbenzene	10.17	105	77240	5.007	ug/l	98
74) N-amyl acetate	10.05	43	3171	0.432	ug/l #	75
76) 1,2,3-Trichloropropane	10.50	75	11779	2.663	ug/l	81
77) Bromobenzene	10.46	156	2912	0.746	ug/l	98
78) n-propylbenzene	10.59	91	50837	2.797	ug/l	98
79) 2-Chlorotoluene	10.67	91	4074	0.380	ug/l	93
80) 1,3,5-Trimethylbenzene	10.71	105	13734	1.027	ug/l	75
81) trans-1,4-Dichloro-2-buten	10.50	75	11779	6.162	ug/l #	100
83) tert-Butylbenzene	11.10	119	39022	3.034	ug/l	90
84) 1,2,4-Trimethylbenzene	10.98	105	139683	10.251	ug/l	78
85) sec-Butylbenzene	11.33	105	38035	2.362	ug/l	99
86) p-Isopropyltoluene	11.70	119	46180	3.203	ug/l	96
87) 1,3-Dichlorobenzene	11.42	146	639681	88.654	ug/l	100
88) 1,4-Dichlorobenzene	11.51	146	2216617	305.217	ug/l	100
89) n-Butylbenzene	11.90	91	9784	0.764	ug/l #	75
90) Hexachloroethane	12.29	117	1039	0.369	ug/l #	8
91) 1,2-Dichlorobenzene	11.89	146	9260809	1281.376	ug/l	99
93) 1,2,4-Trichlorobenzene	13.51	180	9730	2.180	ug/l	97
95) Naphthalene	13.75	128	38740	3.266	ug/l	99
96) 1,2,3-Trichlorobenzene	13.99	180	6217	1.398	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

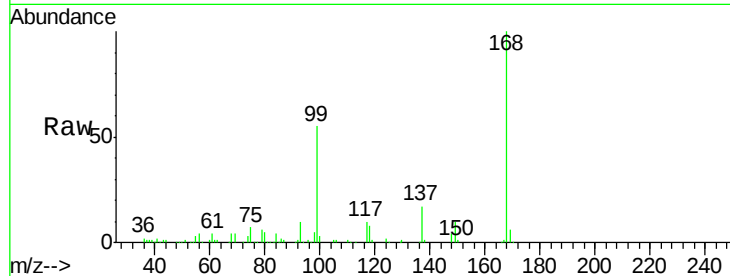
WP021MW357-180625

Tgt Ion:168 Resp: 248833

Ion Ratio Lower Upper

168 100

99 55.2 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024502.D (-1351) (-)

Ion 98.90 (98.60 to 99.60): VU024502.D (-1351) (-)

4.99

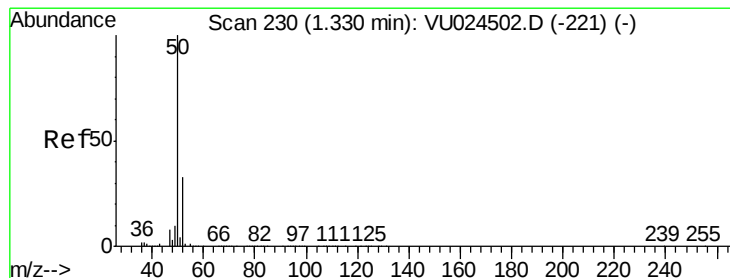
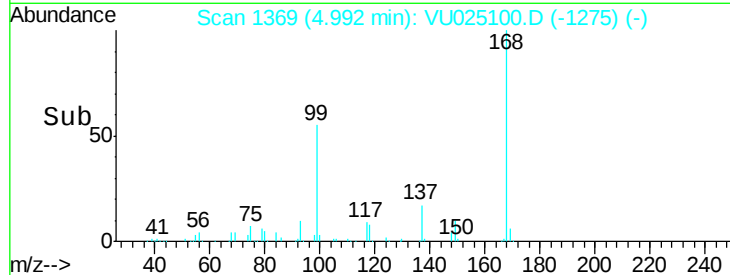
100000

50000

0

4.90 5.00 5.10

Time-->



#3

Chloromethane

Concen: 33.647 ug/l

RT: 1.40 min Scan# 252

Delta R.T. 0.07 min

Lab File: VU025100.D

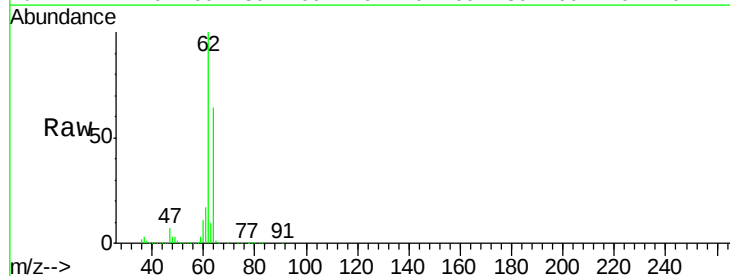
Acq: 30 Jun 2018 20:01

Tgt Ion: 50 Resp: 107065

Ion Ratio Lower Upper

50 100

52 0.3 26.4 39.6#



Abundance Ion 49.90 (49.60 to 50.60): VU024502.D (-221) (-)

Ion 51.90 (51.60 to 52.60): VU024502.D (-221) (-)

1.40

100000

80000

60000

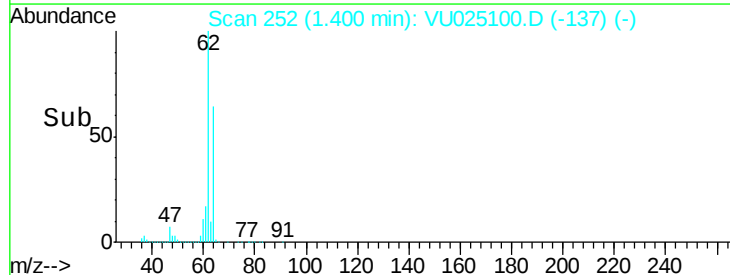
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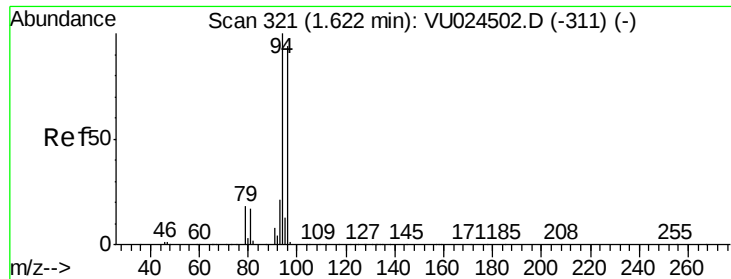
20000

0

1.35 1.40 1.45

Time-->





#5

Bromomethane

Concen: 0.781 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

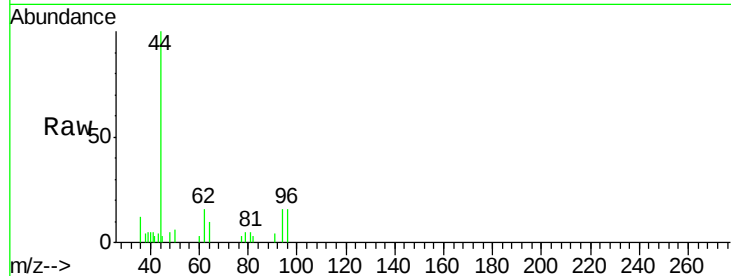
WP021MW357-180625

Tgt Ion: 94 Resp: 1239

Ion Ratio Lower Upper

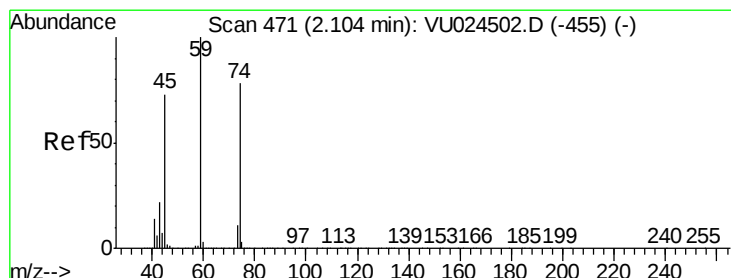
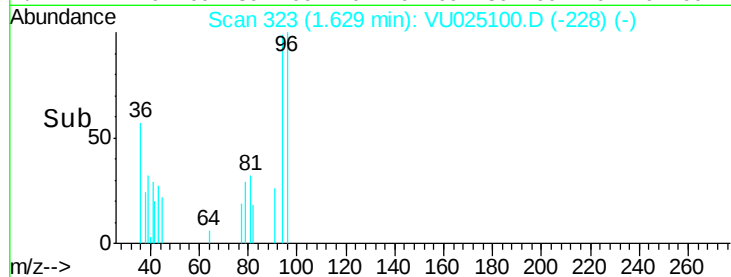
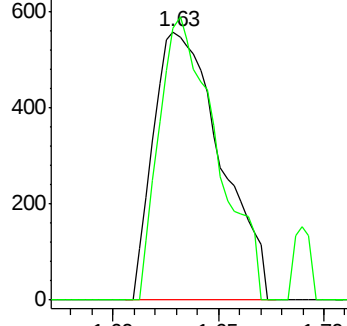
94 100

96 101.1 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VU0

Ion 95.90 (95.60 to 96.60): VU0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.10 min Scan# 470

Delta R.T. -0.00 min

Lab File: VU025100.D

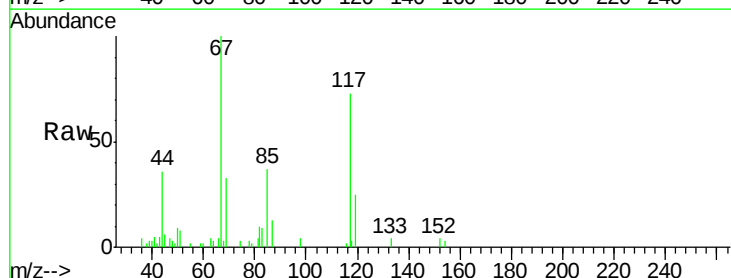
Acq: 30 Jun 2018 20:01

Tgt Ion: 74 Resp: 114

Ion Ratio Lower Upper

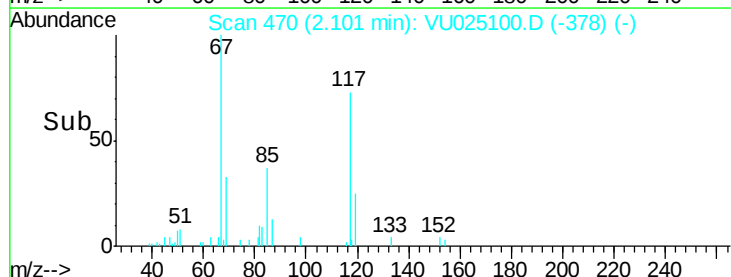
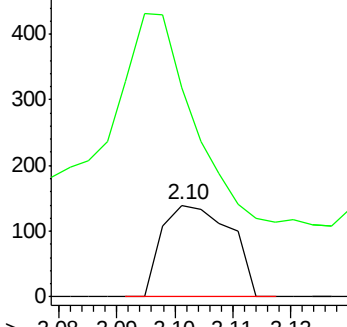
74 100

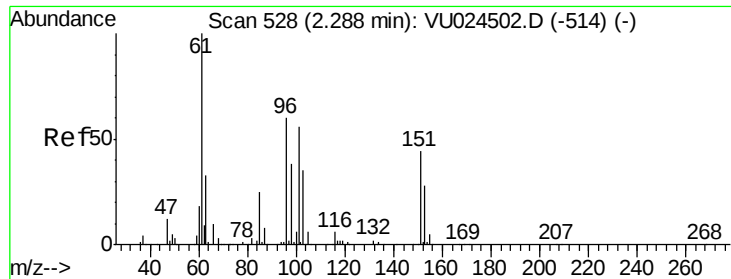
45 310.5 55.0 165.0#



Abundance Ion 74.00 (73.70 to 74.70): VU0

Ion 45.00 (44.70 to 45.70): VU0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.556 ug/l

RT: 2.29 min Scan# 528

Delta R.T. -0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625

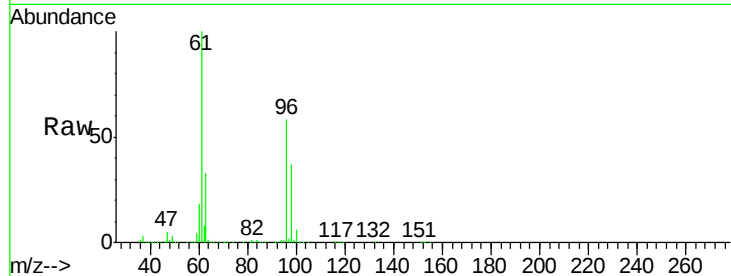
Tgt Ion:101 Resp: 11049

Ion Ratio Lower Upper

101 100

85 37.2 36.0 54.0

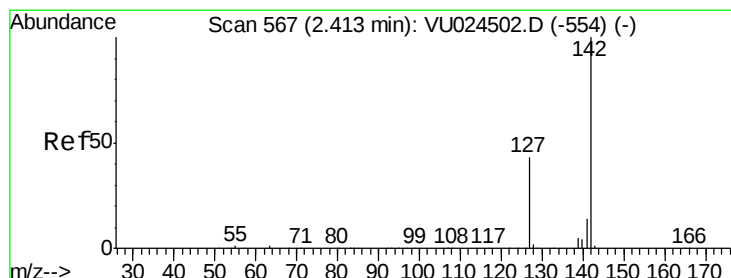
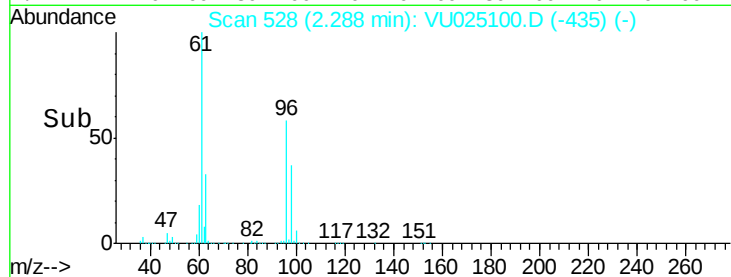
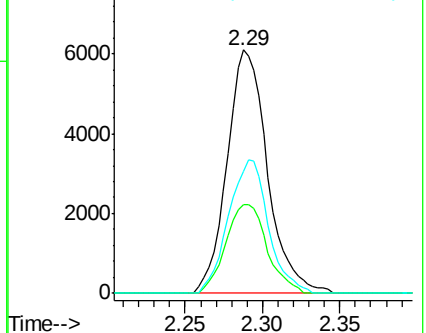
151 54.0 62.3 93.5#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 5.482 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

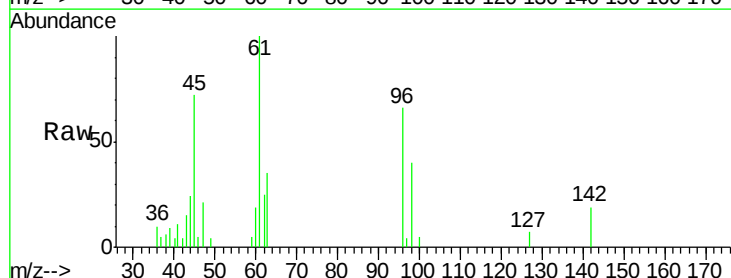
Tgt Ion:142 Resp: 568

Ion Ratio Lower Upper

142 100

127 73.6 35.6 53.4#

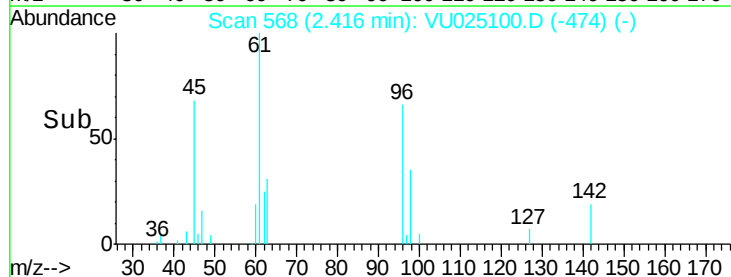
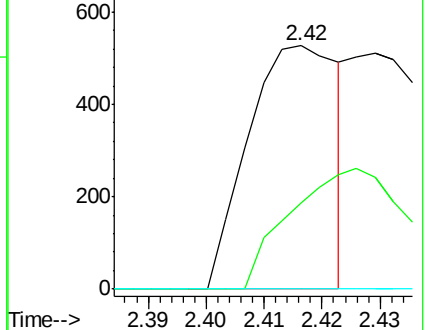
141 0.0 11.7 17.5#

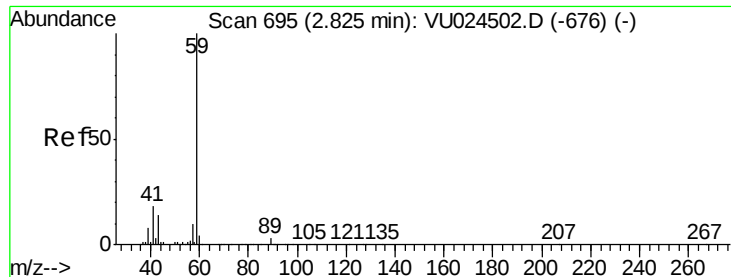


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

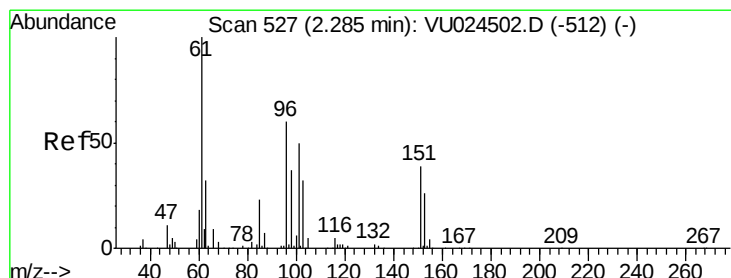
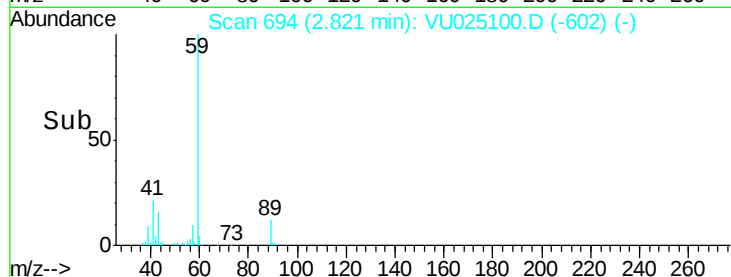
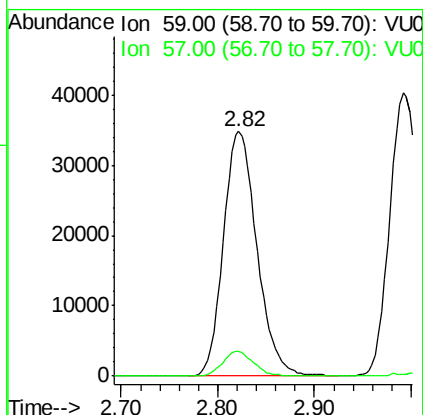
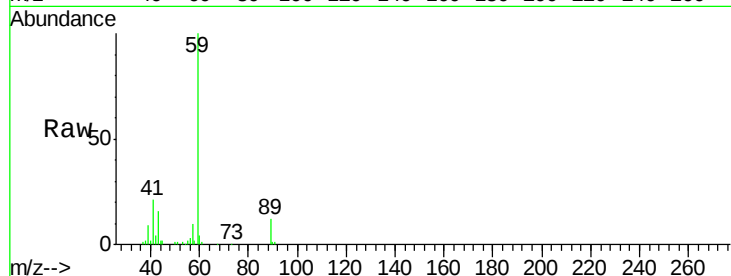




#11
Tert butyl alcohol
Concen: 84.758 ug/l
RT: 2.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VU025100.D
Acq: 30 Jun 2018 20:01

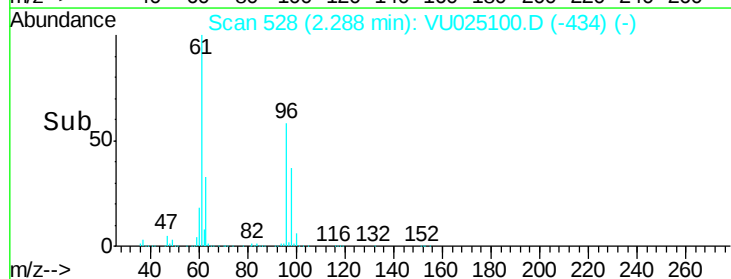
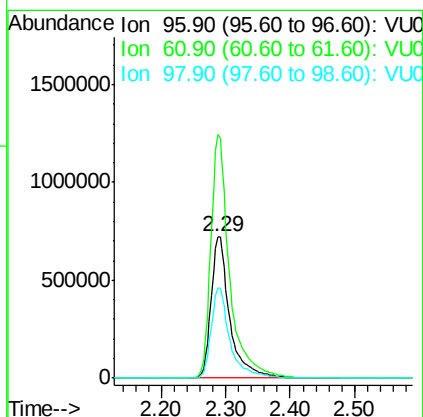
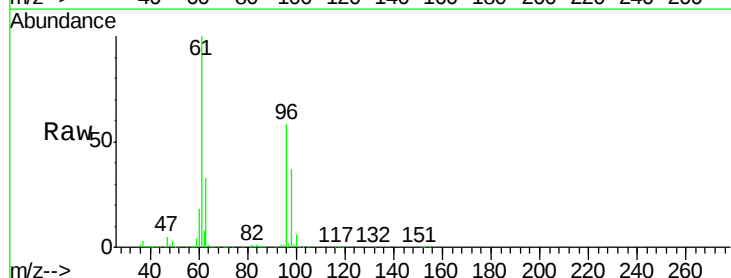
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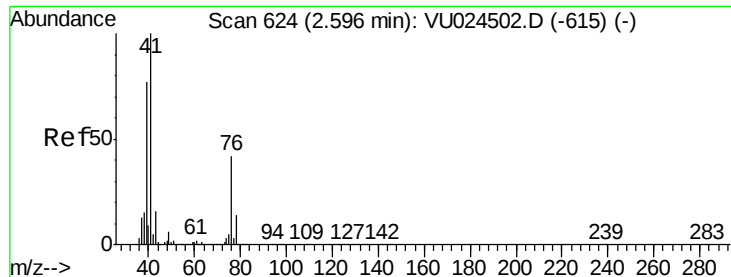
Tgt Ion: 59 Resp: 83739
Ion Ratio Lower Upper
59 100
57 9.3 8.5 12.7



#12
1,1-Dichloroethene
Concen: 512.328 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU025100.D
Acq: 30 Jun 2018 20:01

Tgt Ion: 96 Resp: 1451597
Ion Ratio Lower Upper
96 100
61 172.1 141.7 212.5
98 64.1 51.6 77.4





#14

Allyl chloride

Concen: 0.569 ug/l

RT: 2.44 min Scan# 576

Delta R.T. -0.15 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

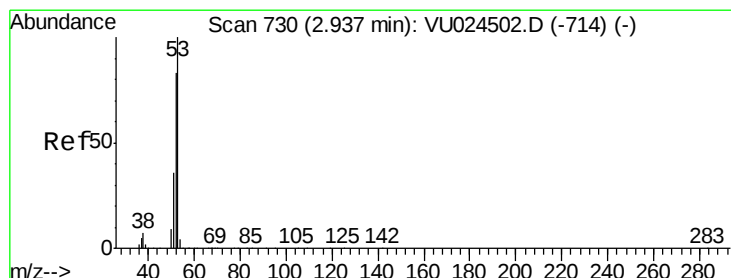
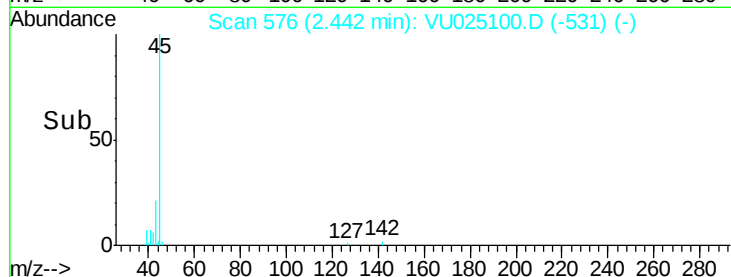
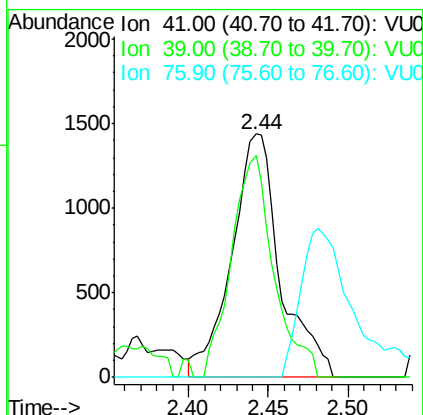
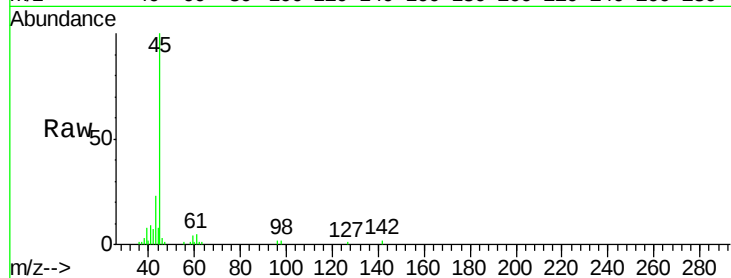
Instrument :

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ClientSampleId :

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Tgt Ion:	41	Resp:	2991
Ion	Ratio	Lower	Upper
41	100		
39	79.2	61.6	92.4
76	0.0	29.7	44.5#



#15

Acrylonitrile

Concen: 0.202 ug/l

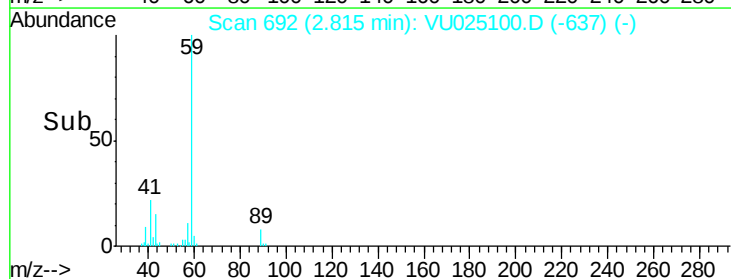
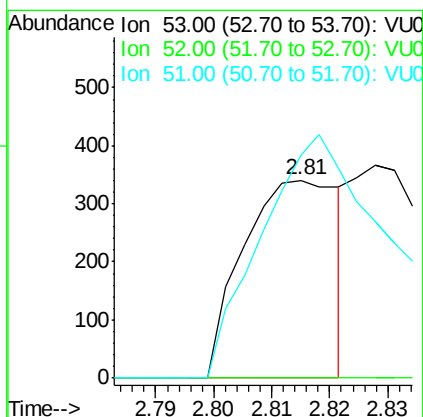
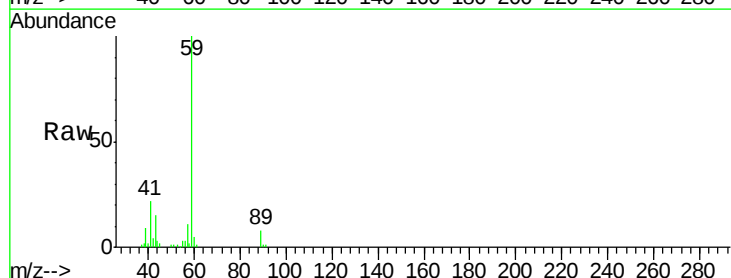
RT: 2.81 min Scan# 692

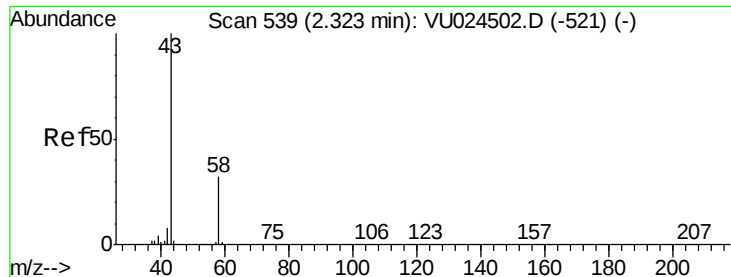
Delta R.T. -0.12 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Tgt Ion:	53	Resp:	388
Ion	Ratio	Lower	Upper
53	100		
52	0.0	67.1	100.7#
51	163.9	28.4	42.6#





#16

Acetone

Concen: 2.480 ug/l

RT: 2.33 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

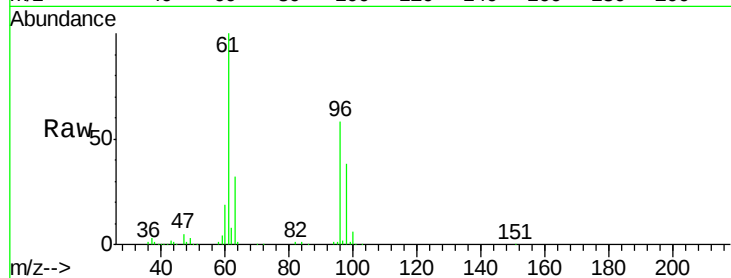
WP021MW357-180625

Tgt Ion: 43 Resp: 5413

Ion Ratio Lower Upper

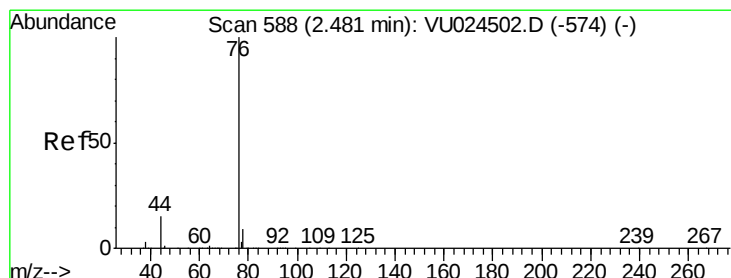
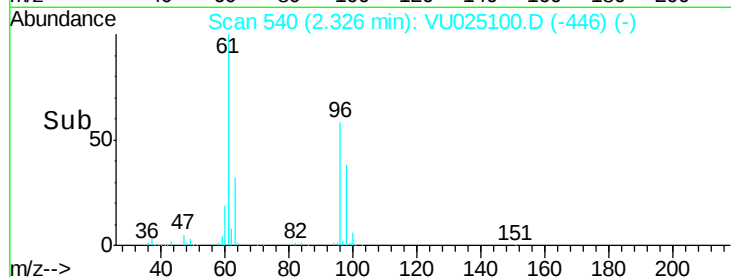
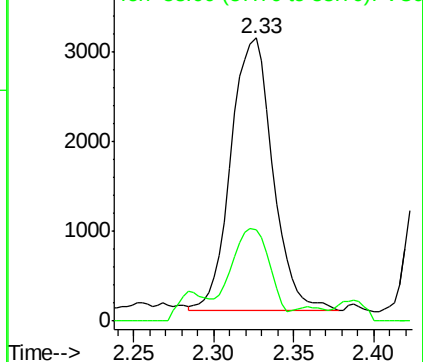
43 100

58 27.4 24.4 36.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#17

Carbon Disulfide

Concen: 0.220 ug/l

RT: 2.48 min Scan# 588

Delta R.T. -0.00 min

Lab File: VU025100.D

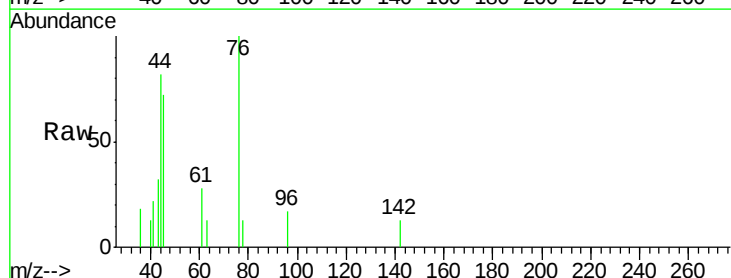
Acq: 30 Jun 2018 20:01

Tgt Ion: 76 Resp: 1994

Ion Ratio Lower Upper

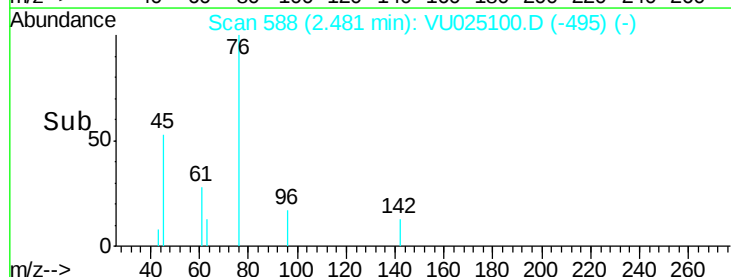
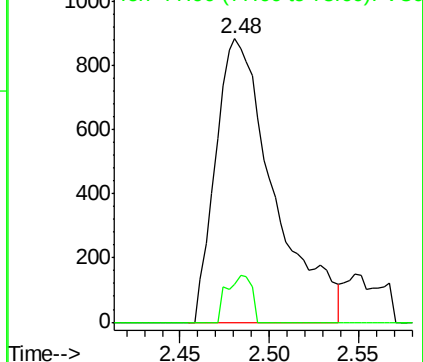
76 100

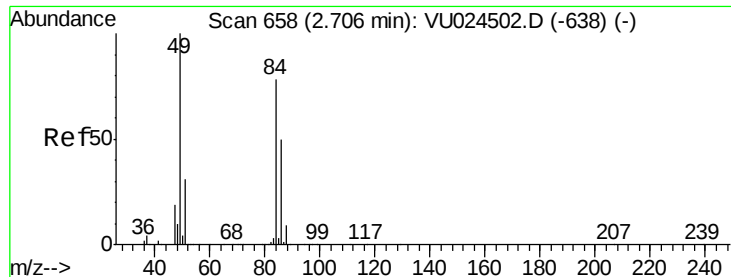
78 13.1 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0





#20

Methylene Chloride

Concen: 1.546 ug/l

RT: 2.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625

Tgt Ion: 84 Resp: 5296

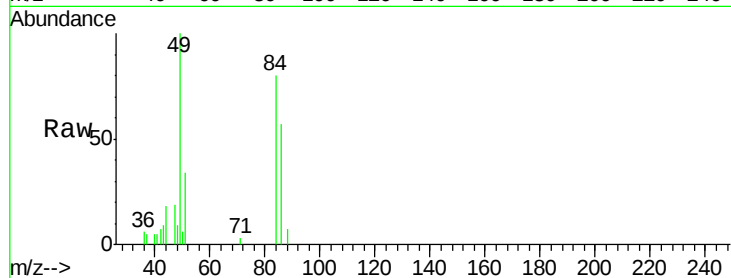
Ion Ratio Lower Upper

84 100

49 125.1 103.8 155.8

51 42.0 32.0 48.0

86 71.8 51.6 77.4

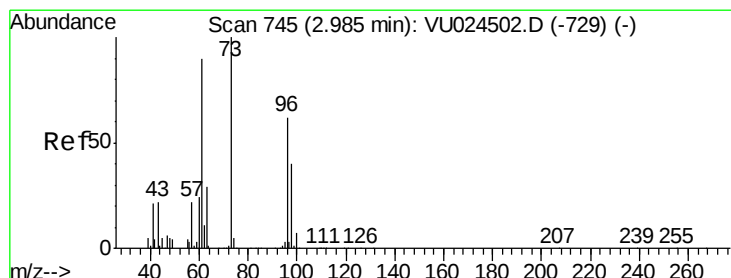
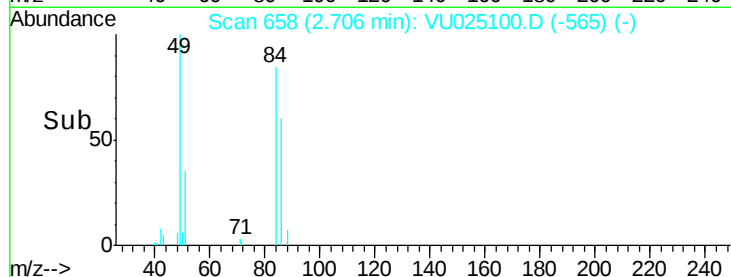
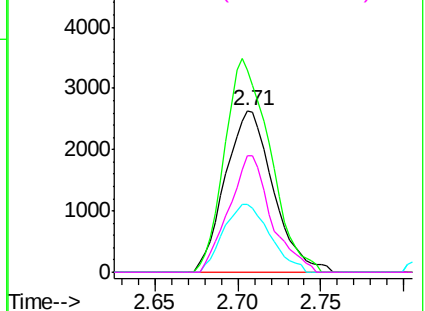


Abundance Ion 83.90 (83.60 to 84.60): VU0

Ion 48.90 (48.60 to 49.60): VU0

Ion 50.90 (50.60 to 51.60): VU0

Ion 85.90 (85.60 to 86.60): VU0



#21

trans-1,2-Dichloroethene

Concen: 794.299 ug/l

RT: 2.99 min Scan# 747

Delta R.T. 0.01 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

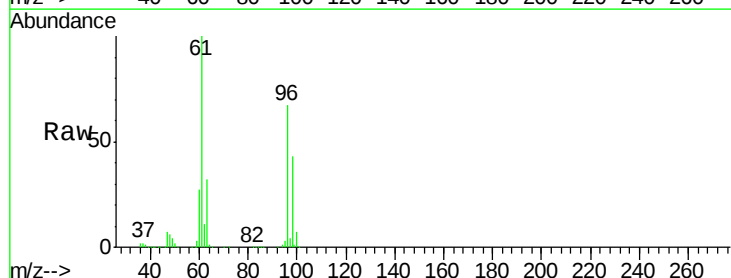
Tgt Ion: 96 Resp: 2478706

Ion Ratio Lower Upper

96 100

61 148.3 119.4 179.0

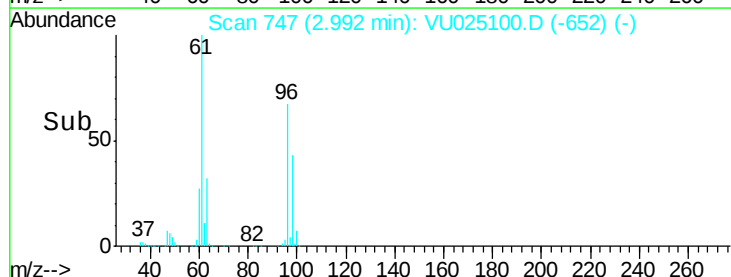
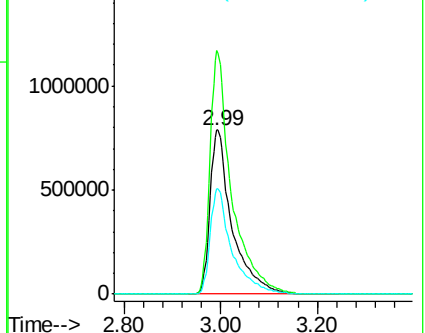
98 64.4 51.1 76.7

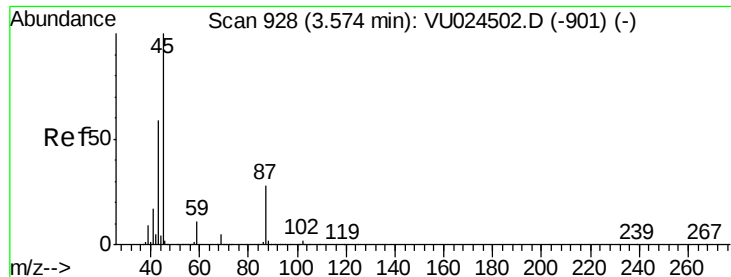


Abundance Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#22

Diisopropyl ether

Concen: 0.369 ug/l

RT: 3.58 min Scan# 929

Delta R.T. 0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

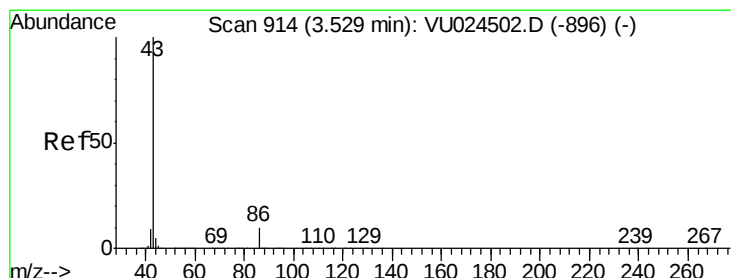
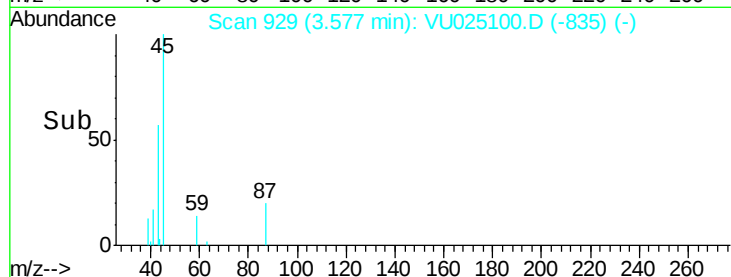
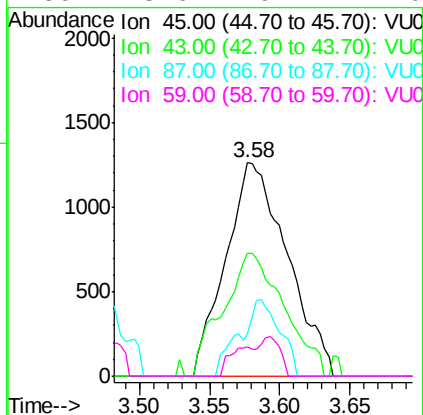
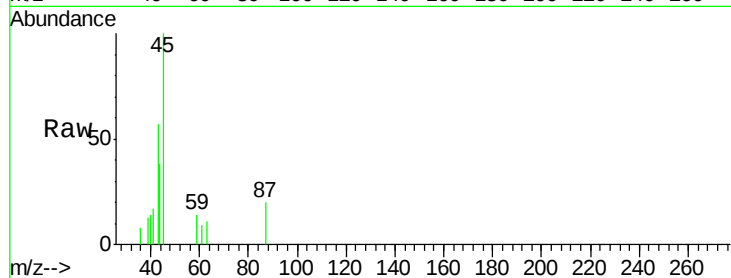
Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625

Tgt Ion:	45	Resp:	3844
Ion	Ratio	Lower	Upper
45	100		
43	57.5	45.8	68.6
87	19.9	20.6	31.0#
59	13.6	9.4	14.0



#23

Vinyl Acetate

Concen: 0.237 ug/l

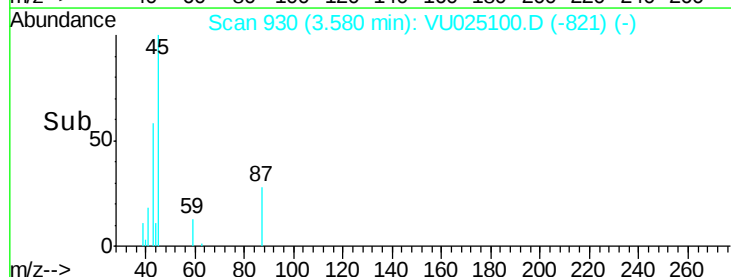
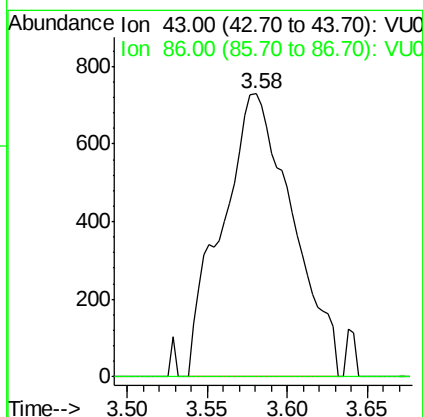
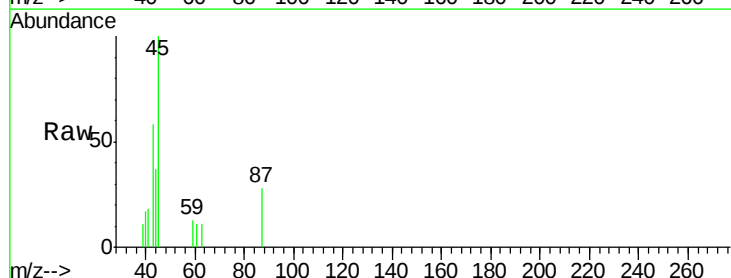
RT: 3.58 min Scan# 930

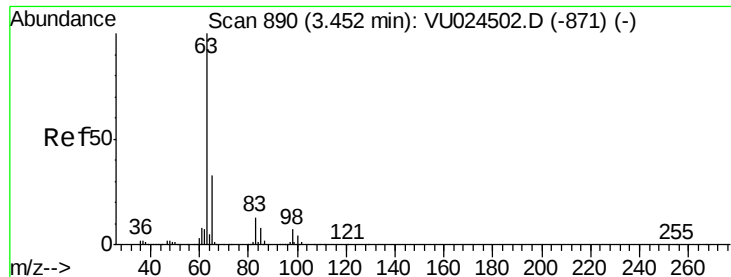
Delta R.T. 0.05 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Tgt Ion:	43	Resp:	2210
Ion	Ratio	Lower	Upper
43	100		
86	0.0	7.8	11.8#





#24

1,1-Dichloroethane

Concen: 36.961 ug/l

RT: 3.45 min Scan# 891

Delta R.T. 0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625

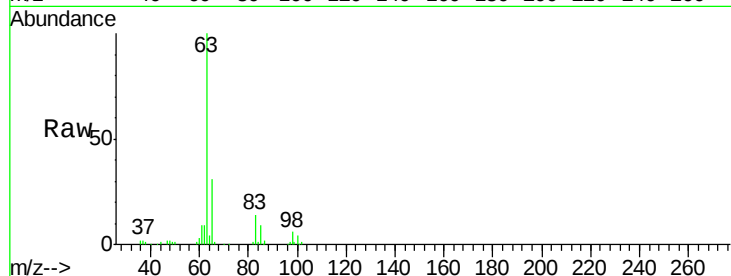
Tgt Ion: 63 Resp: 221738

Ion Ratio Lower Upper

63 100

98 6.3 3.5 10.4

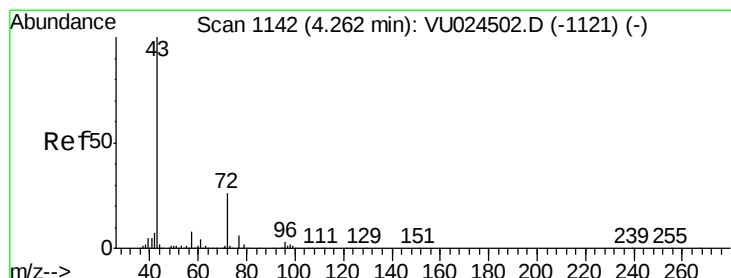
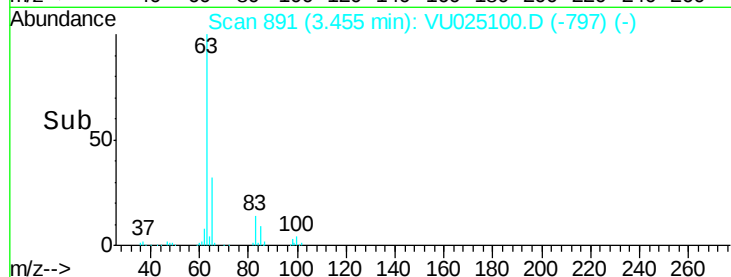
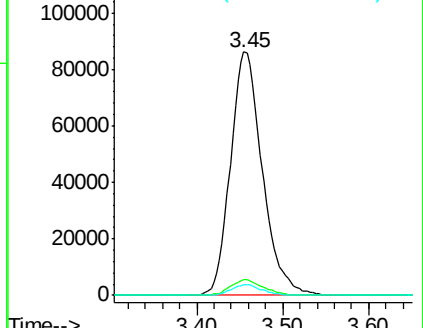
100 4.4 1.8 5.5



Abundance Ion 62.90 (62.60 to 63.60): VU025100.D (-797) (-)

Ion 97.90 (97.60 to 98.60): VU025100.D (-797) (-)

Ion 99.90 (99.60 to 100.60): VU025100.D (-797) (-)



#25

2-Butanone

Concen: 0.464 ug/l

RT: 4.25 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VU025100.D

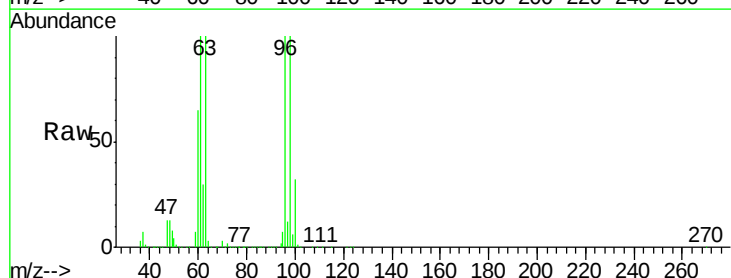
Acq: 30 Jun 2018 20:01

Tgt Ion: 43 Resp: 1359

Ion Ratio Lower Upper

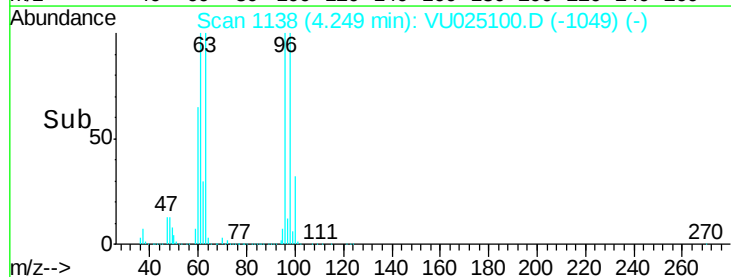
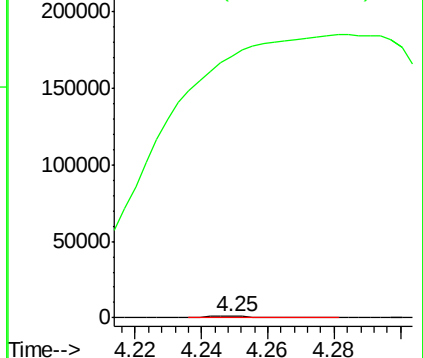
43 100

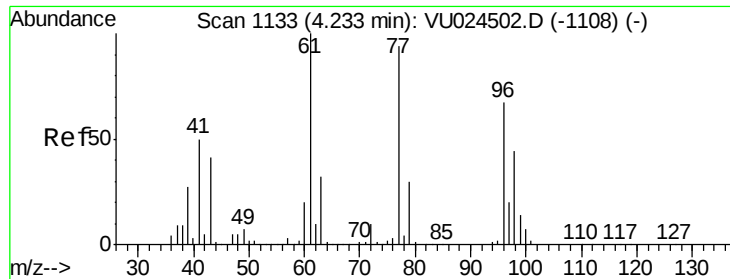
72 3871.1 19.6 29.4#



Abundance Ion 43.00 (42.70 to 43.70): VU025100.D (-1049) (-)

Ion 72.00 (71.70 to 72.70): VU025100.D (-1049) (-)

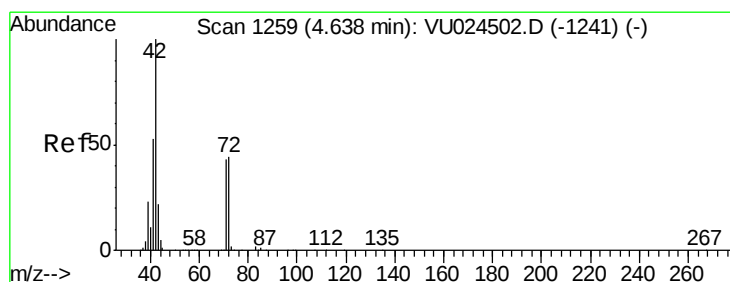
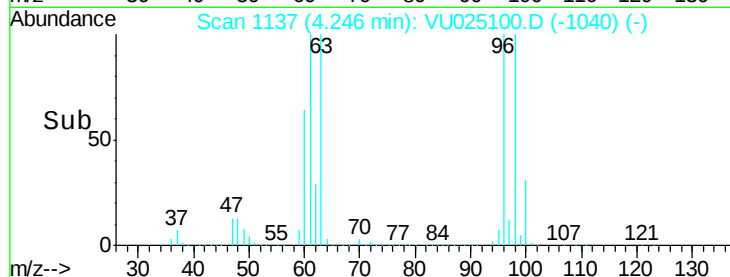
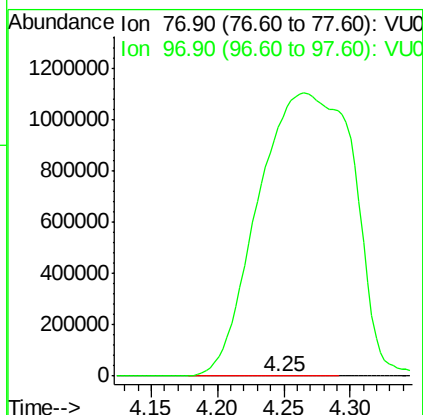
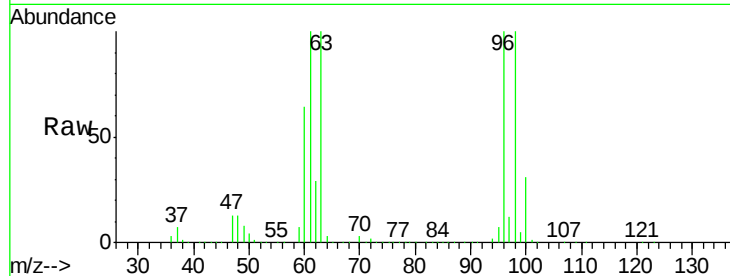




#26
 2,2-Dichloropropane
 Concen: 0.606 ug/l
 RT: 4.25 min Scan# 1137
 Delta R.T. 0.01 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

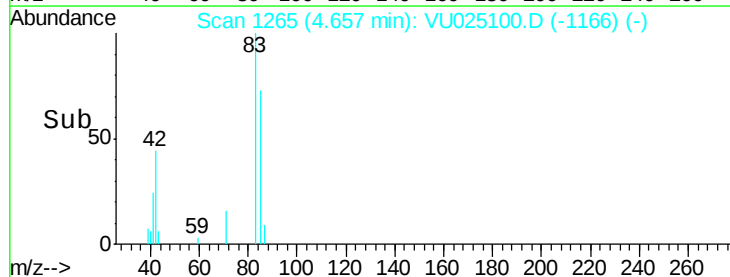
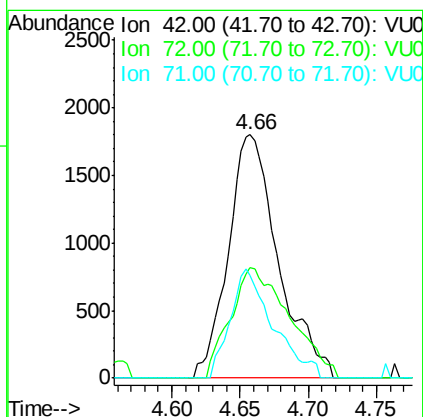
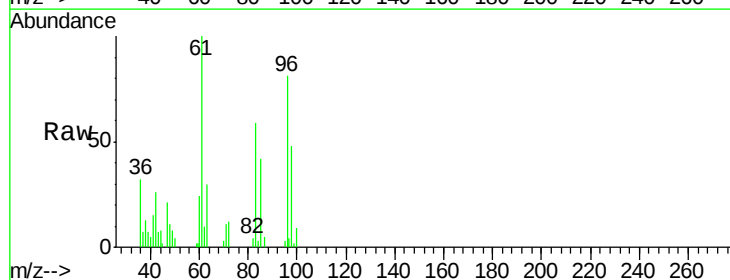
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW357-180625

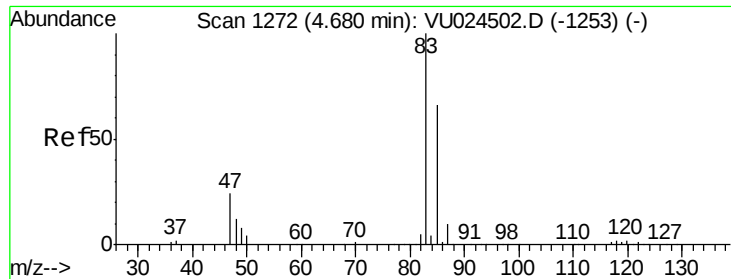
Tgt Ion: 77 Resp: 3452
 Ion Ratio Lower Upper
 77 100
 97 161744.2 11.3 33.8#



#29
 Tetrahydrofuran
 Concen: 2.530 ug/l
 RT: 4.66 min Scan# 1265
 Delta R.T. 0.02 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

Tgt Ion: 42 Resp: 4594
 Ion Ratio Lower Upper
 42 100
 72 53.7 34.5 51.7#
 71 38.2 32.2 48.4

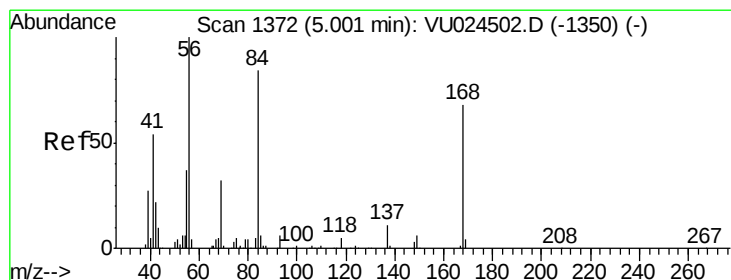
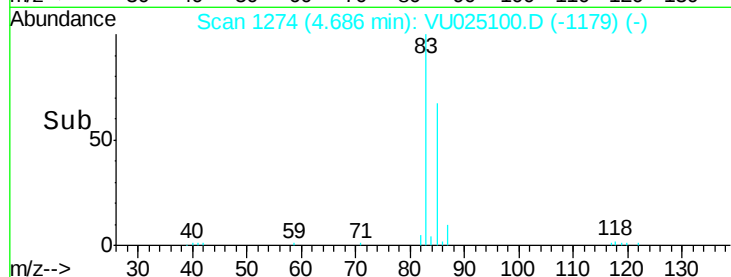
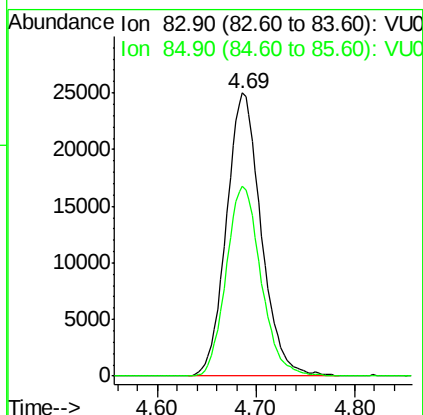
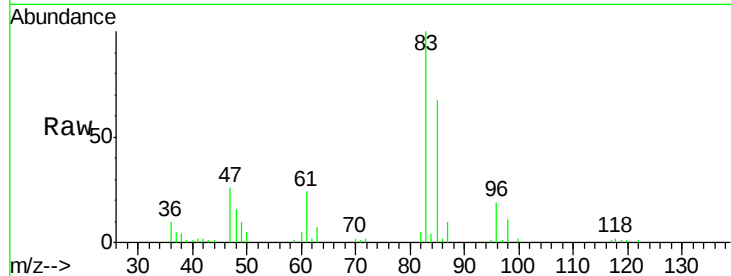




#30
Chloroform
Concen: 10.114 ug/l
RT: 4.69 min Scan# 1274
Delta R.T. 0.01 min
Lab File: VU025100.D
Acq: 30 Jun 2018 20:01

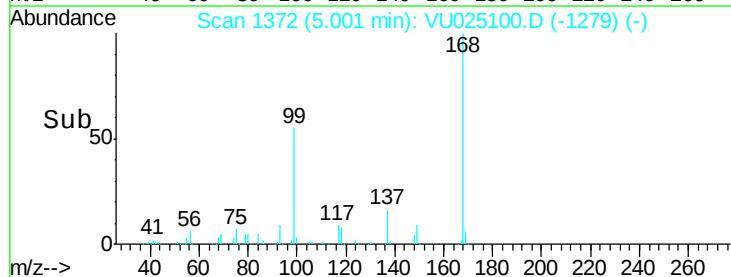
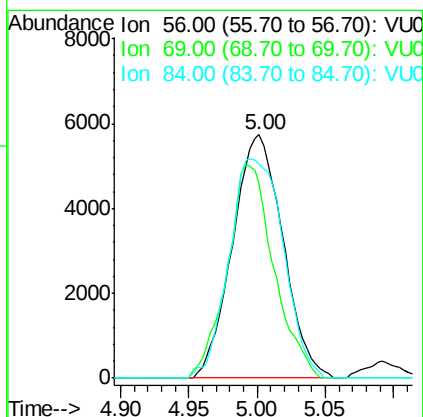
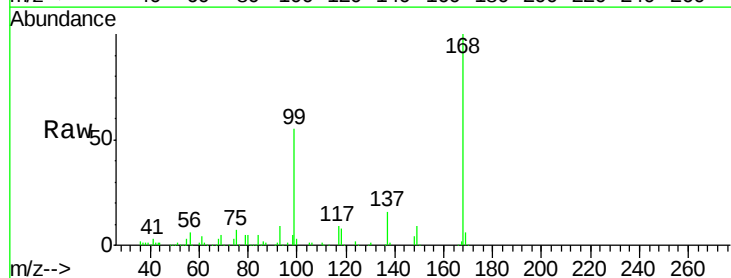
Instrument :
MSVOA_U
ClientSampleId :
WP021MW357-180625

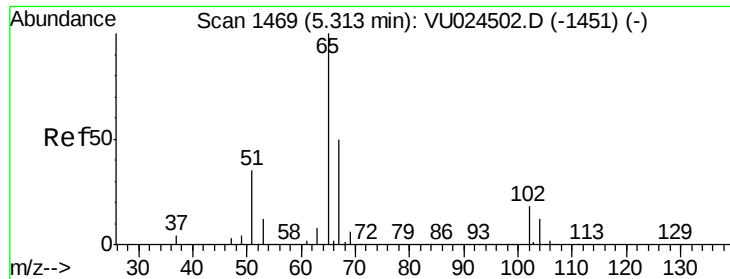
Tgt Ion: 83 Resp: 61415
Ion Ratio Lower Upper
83 100
85 66.9 52.4 78.6



#31
Cyclohexane
Concen: 0.822 ug/l
RT: 5.00 min Scan# 1372
Delta R.T. 0.00 min
Lab File: VU025100.D
Acq: 30 Jun 2018 20:01

Tgt Ion: 56 Resp: 14722
Ion Ratio Lower Upper
56 100
69 79.9 24.8 37.2#
84 87.7 65.2 97.8

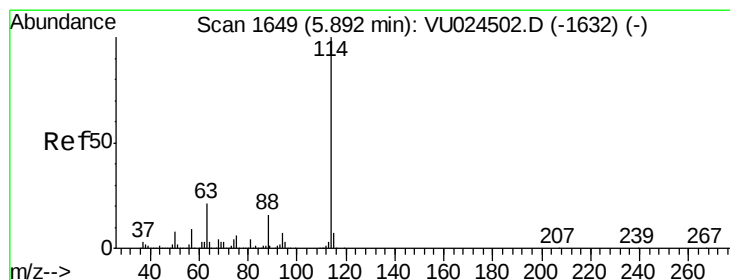
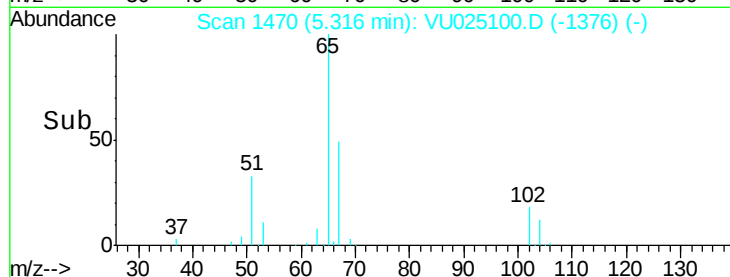
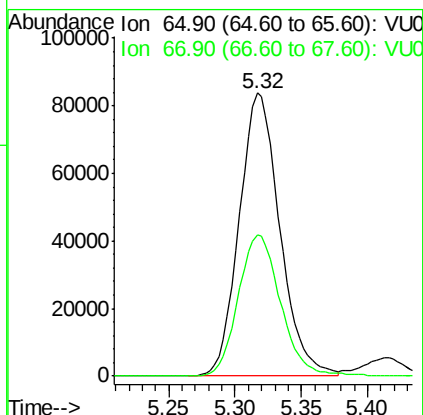
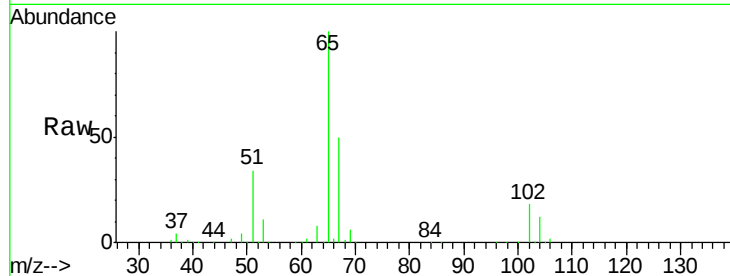




#33
 1,2-Dichloroethane-d4
 Concen: 44.035 ug/l
 RT: 5.32 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

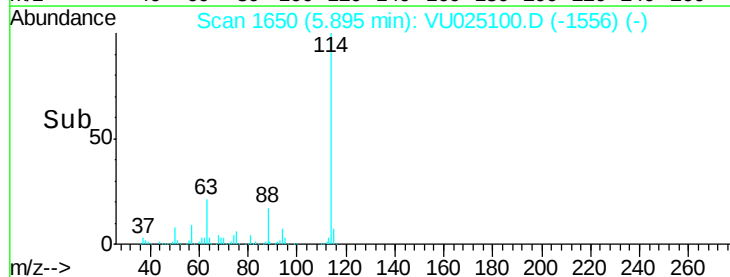
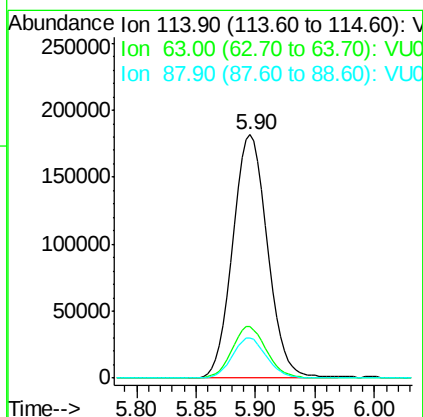
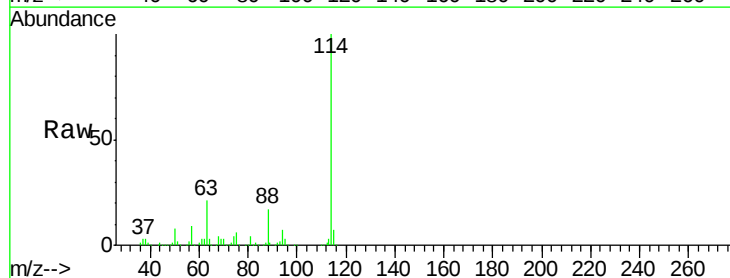
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW357-180625

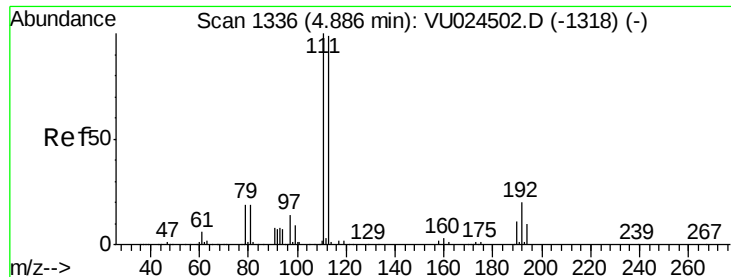
Tgt Ion: 65 Resp: 178881
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.90 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

Tgt Ion: 114 Resp: 368845
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 45.4
 88 16.6 0.0 31.0

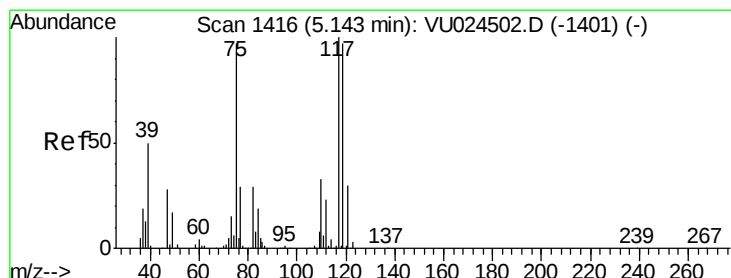
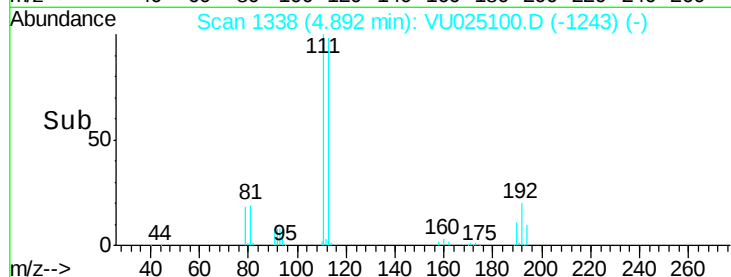
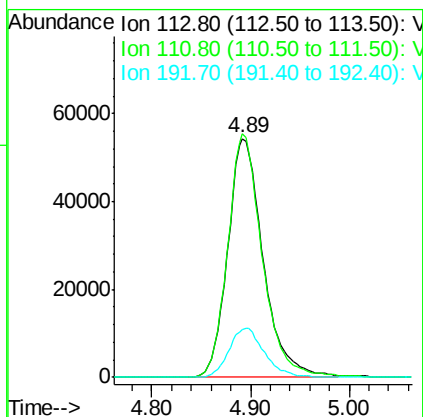
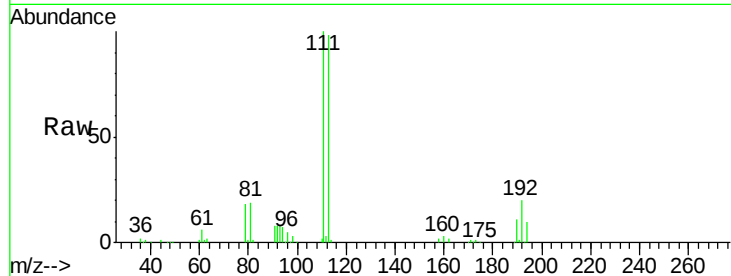




#35
 Dibromofluoromethane
 Concen: 44.298 ug/l
 RT: 4.89 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

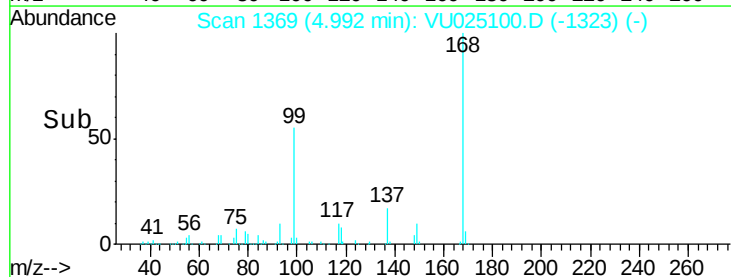
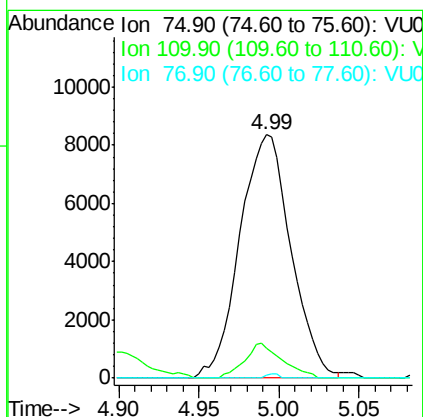
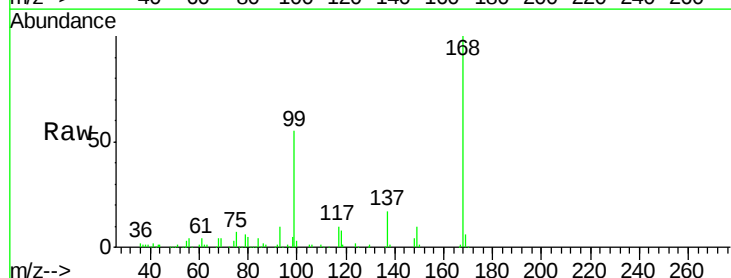
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW357-180625

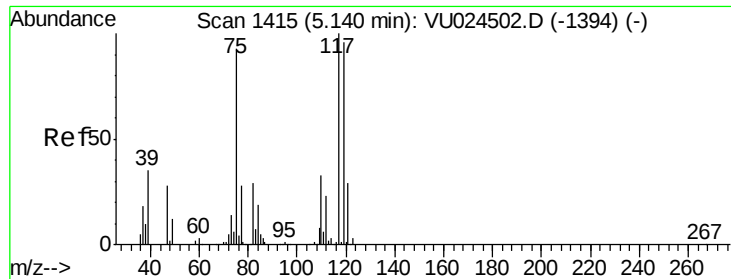
Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.8	82.2	123.4
192	20.6	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.224 ug/l
 RT: 4.99 min Scan# 1369
 Delta R.T. -0.15 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	17.0	50.9#
77	0.0	24.2	36.4#





#38

Carbon Tetrachloride

Concen: 4.970 ug/l

RT: 4.99 min Scan# 1369

Delta R.T. -0.15 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625

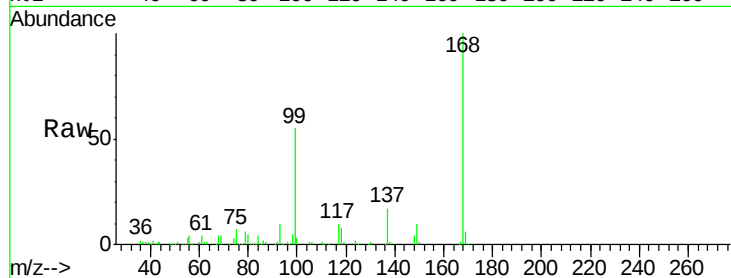
Tgt Ion:117 Resp: 23686

Ion Ratio Lower Upper

117 100

119 5.5 76.1 114.1#

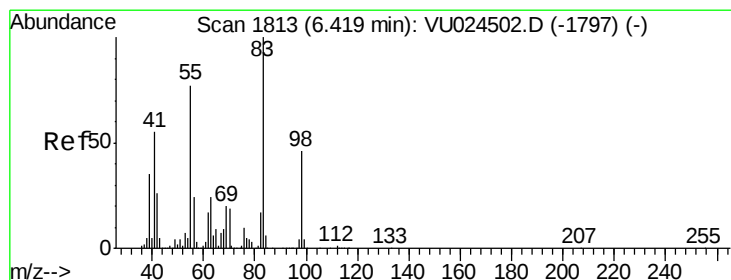
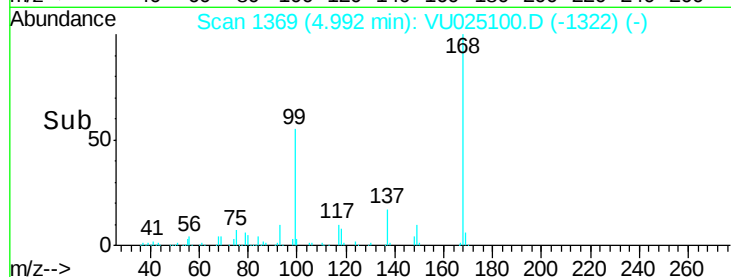
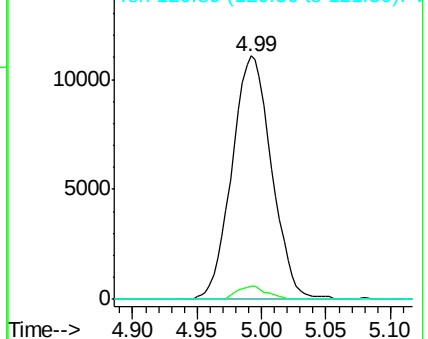
121 0.0 23.7 35.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 128.842 ug/l

RT: 6.23 min Scan# 1754

Delta R.T. -0.19 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

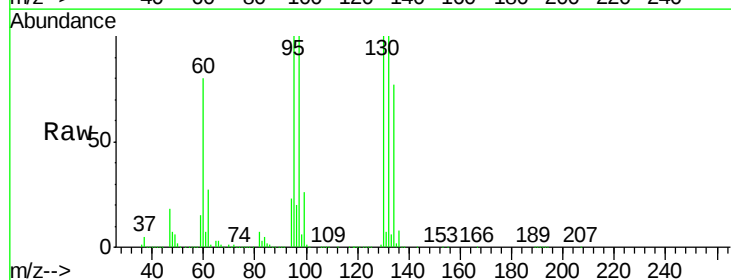
Tgt Ion: 83 Resp: 696877

Ion Ratio Lower Upper

83 100

55 0.5 65.8 98.6#

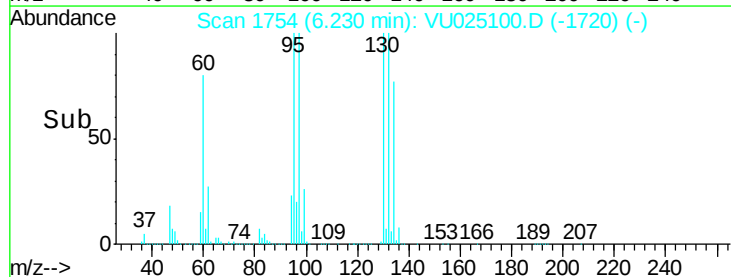
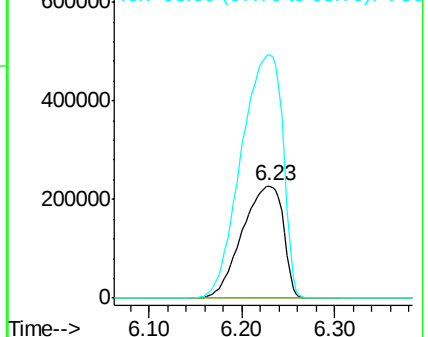
98 217.1 36.7 55.1#

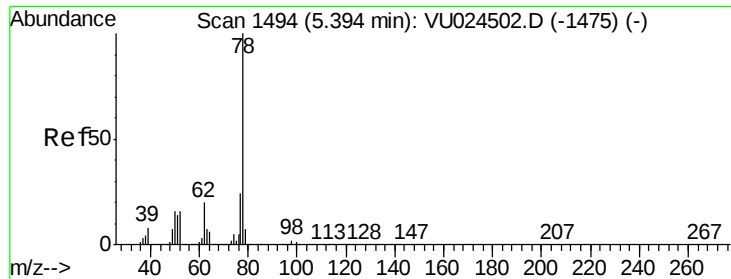


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#40

Benzene

Concen: 40.980 ug/l

RT: 5.40 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

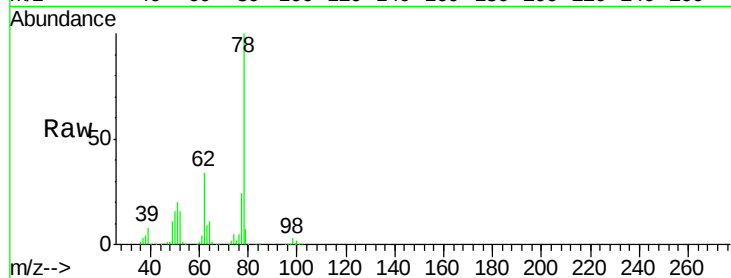
WP021MW357-180625

Tgt Ion: 78 Resp: 506106

Ion Ratio Lower Upper

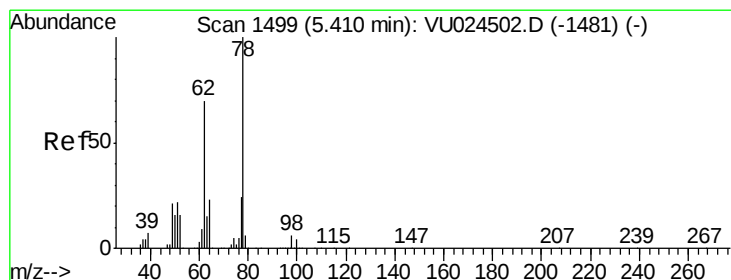
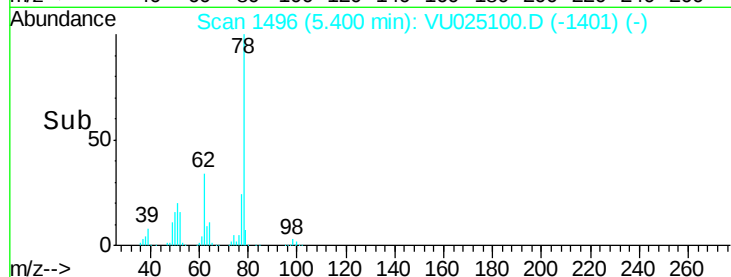
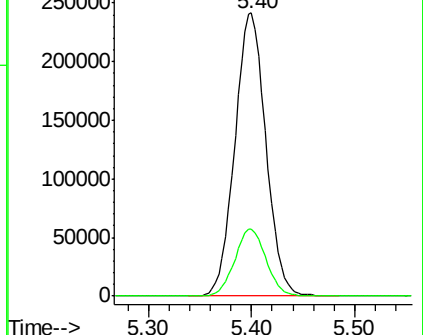
78 100

77 23.6 19.2 28.8



Abundance Ion 78.00 (77.70 to 78.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#42

1,2-Dichloroethane

Concen: 57.593 ug/l

RT: 5.41 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VU025100.D

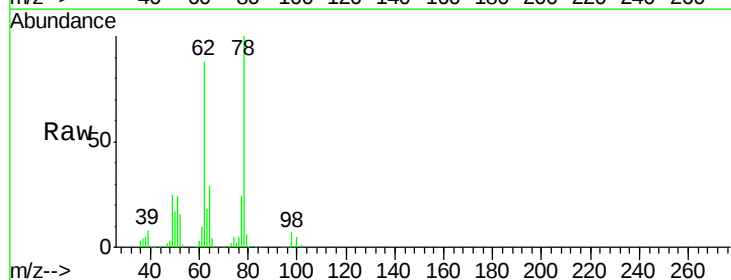
Acq: 30 Jun 2018 20:01

Tgt Ion: 62 Resp: 270900

Ion Ratio Lower Upper

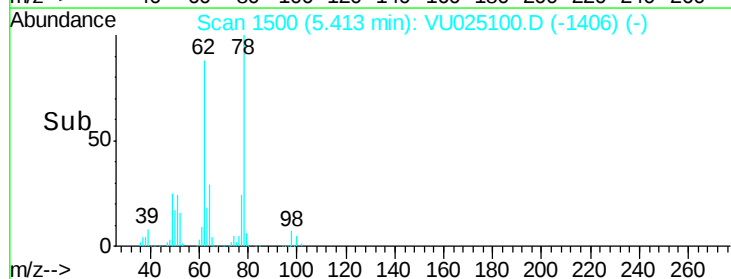
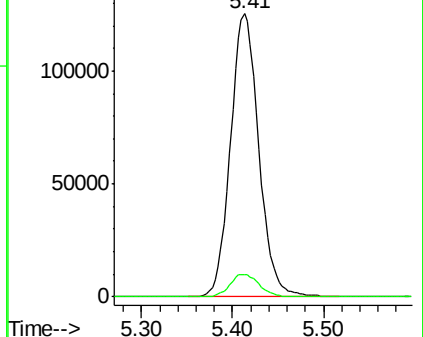
62 100

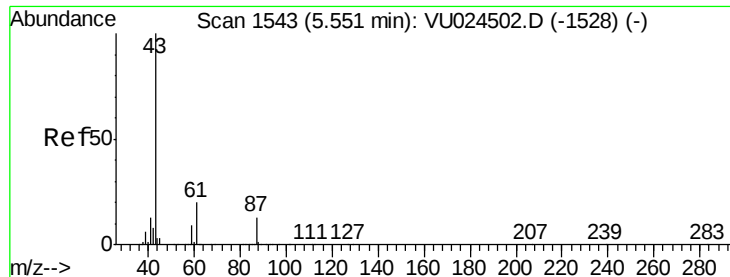
98 8.4 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0





#43

Isopropyl Acetate

Concen: 1.443 ug/l

RT: 5.45 min Scan# 1513

Delta R.T. -0.10 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625

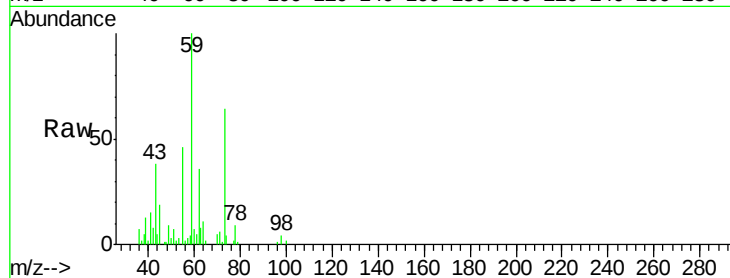
Tgt Ion: 43 Resp: 11787

Ion Ratio Lower Upper

43 100

61 0.0 15.4 23.0#

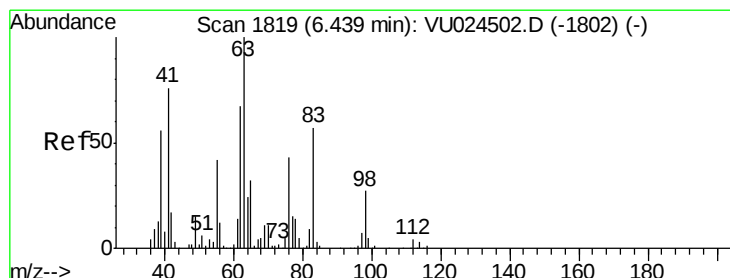
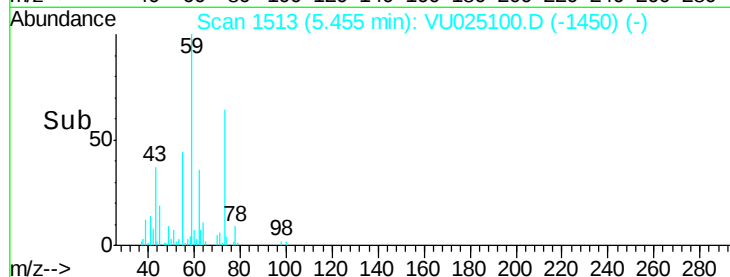
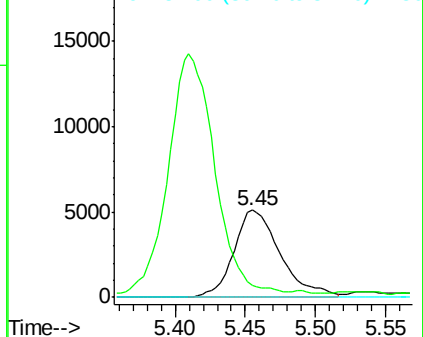
87 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#45

1,2-Dichloropropane

Concen: 50.533 ug/l

RT: 6.22 min Scan# 1752

Delta R.T. -0.22 min

Lab File: VU025100.D

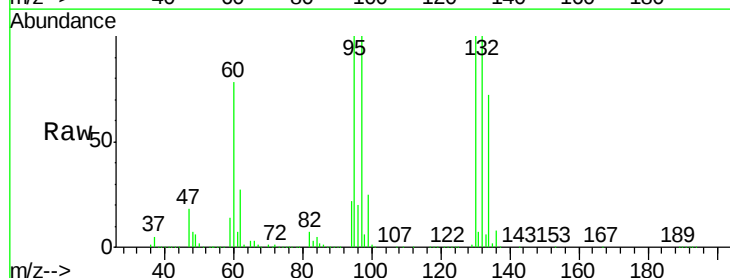
Acq: 30 Jun 2018 20:01

Tgt Ion: 63 Resp: 166523

Ion Ratio Lower Upper

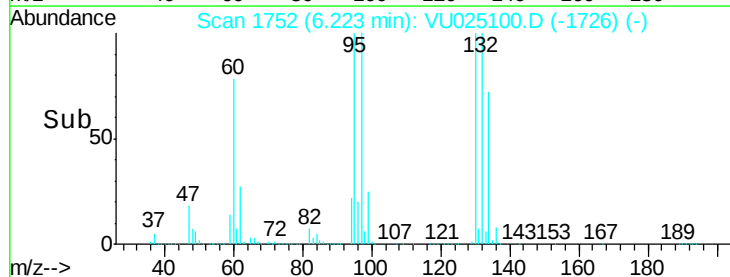
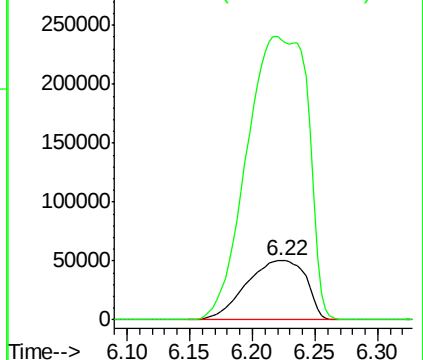
63 100

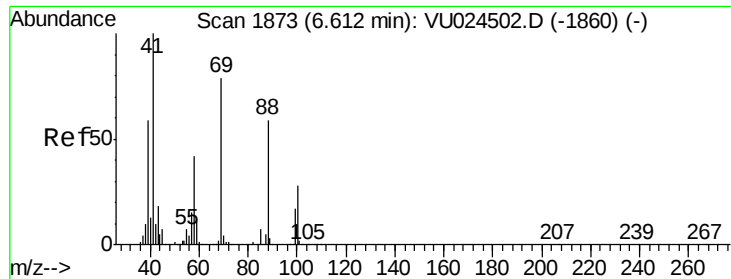
65 473.3 24.8 37.2#



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0

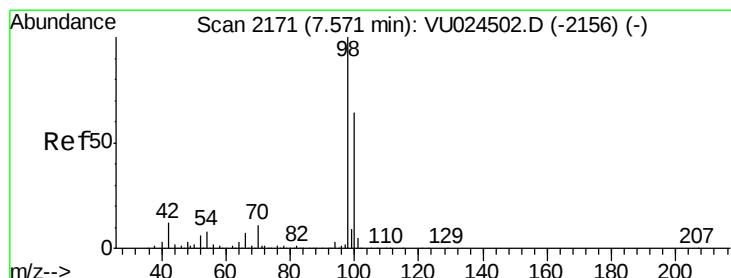
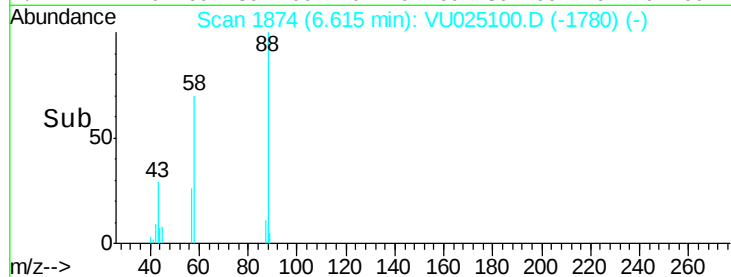
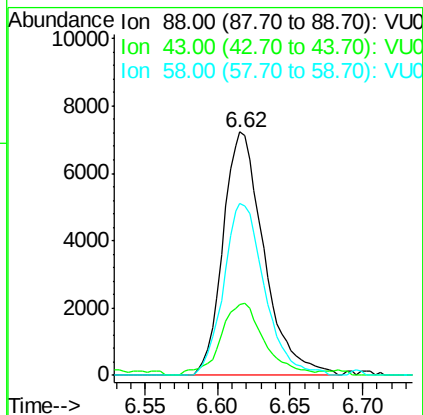
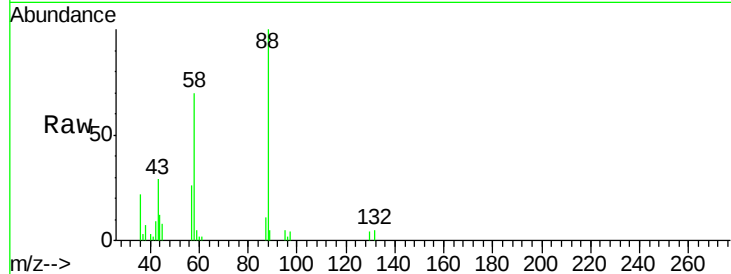




#49
 1,4-Dioxane
 Concen: 182.307 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

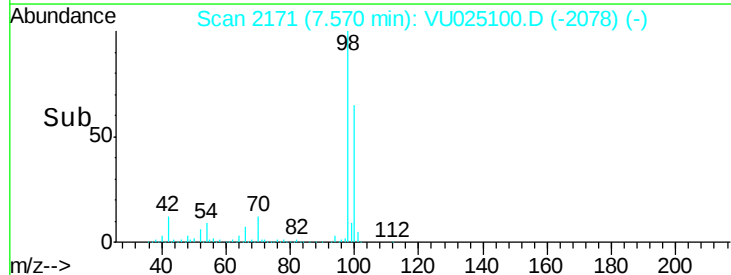
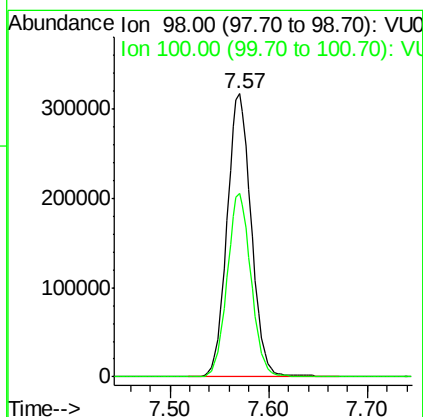
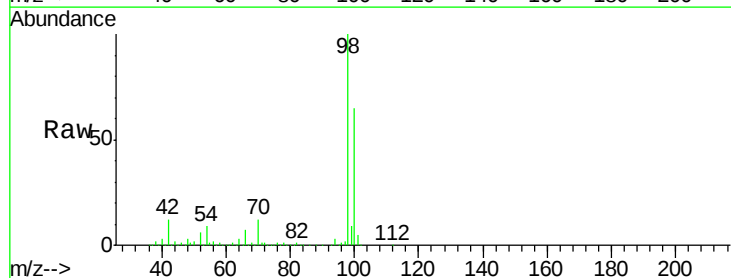
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW357-180625

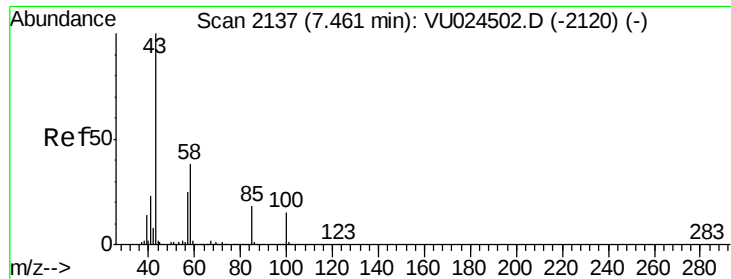
Tgt Ion: 88 Resp: 14176
 Ion Ratio Lower Upper
 88 100
 43 31.6 28.6 42.8
 58 70.4 58.2 87.4



#50
 Toluene-d8
 Concen: 48.842 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

Tgt Ion: 98 Resp: 545356
 Ion Ratio Lower Upper
 98 100
 100 63.7 51.1 76.7

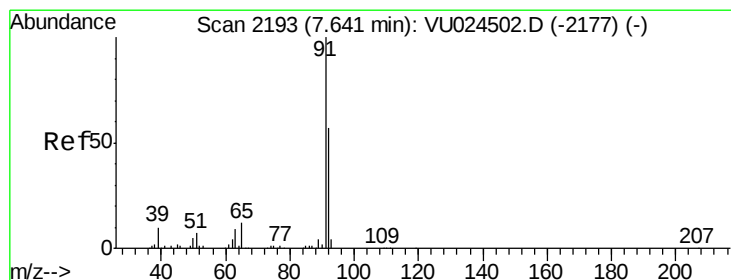
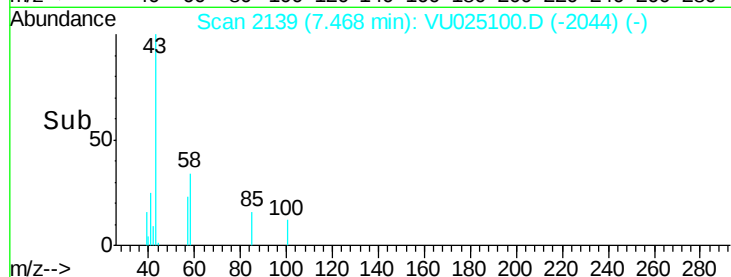
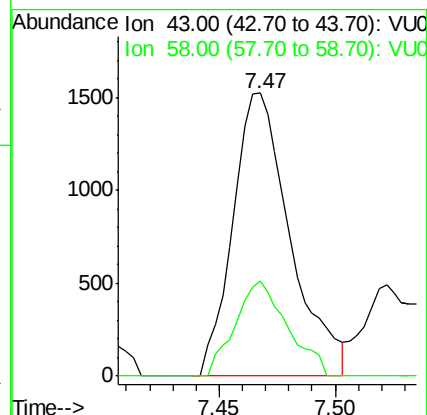
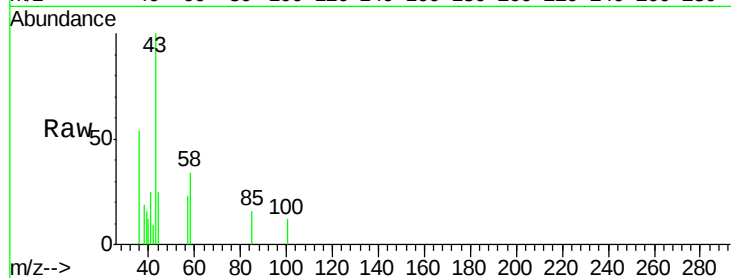




#51
 4-Methyl-2-Pentanone
 Concen: 0.510 ug/l
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.01 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

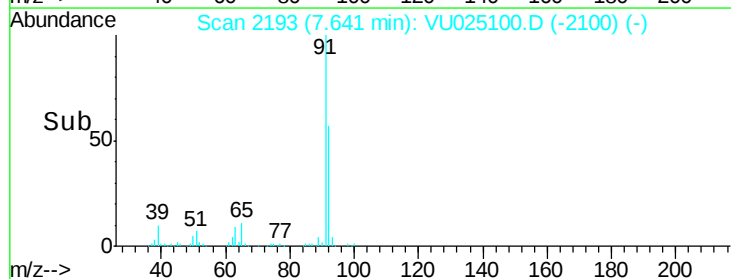
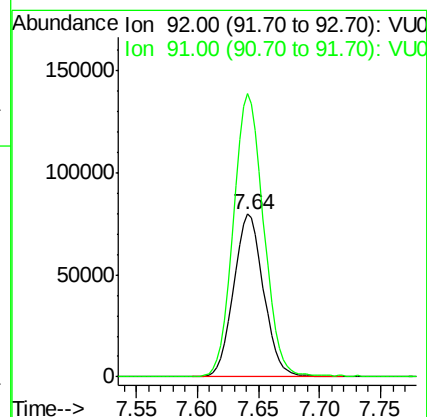
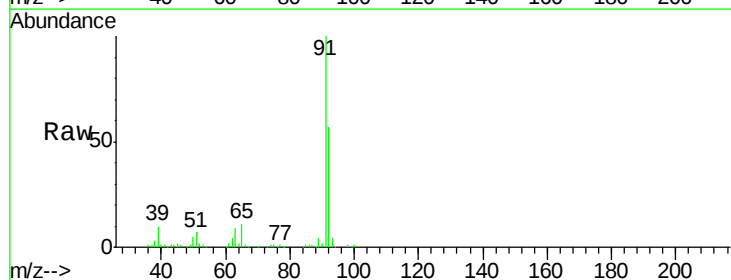
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW357-180625

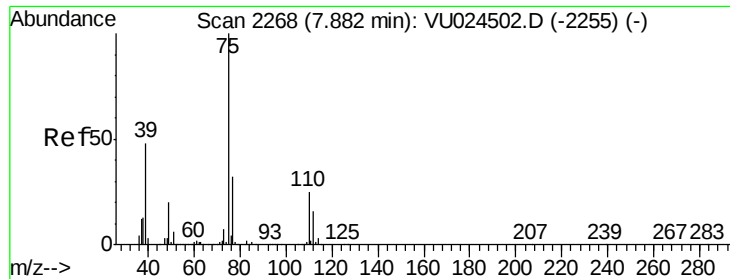
Tgt Ion: 43 Resp: 2618
 Ion Ratio Lower Upper
 43 100
 58 30.4 30.0 45.0



#52
 Toluene
 Concen: 17.294 ug/l
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

Tgt Ion: 92 Resp: 137408
 Ion Ratio Lower Upper
 92 100
 91 174.9 140.5 210.7





#53

t-1,3-Dichloropropene

Concen: 0.352 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.24 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

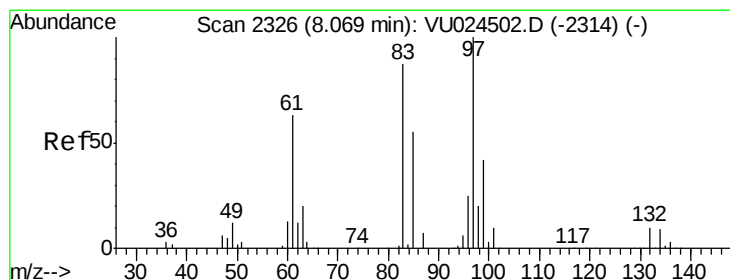
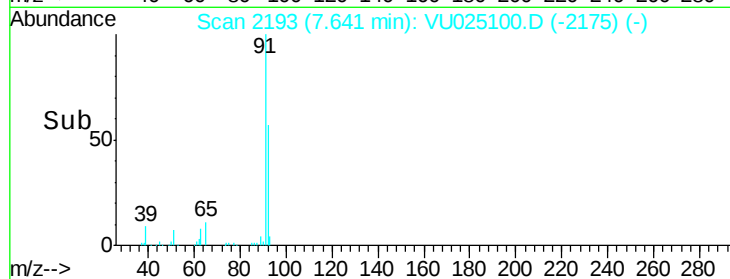
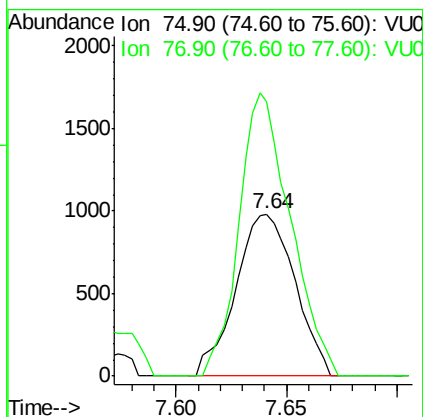
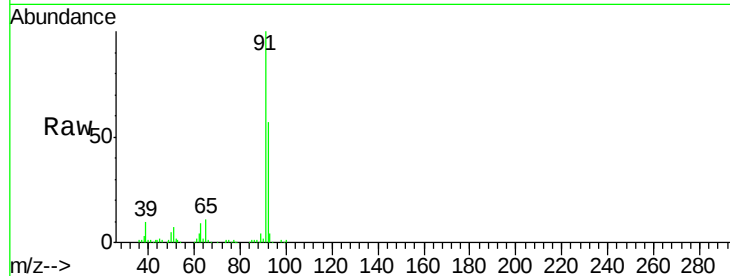
WP021MW357-180625

Tgt Ion: 75 Resp: 1823

Ion Ratio Lower Upper

75 100

77 169.1 24.8 37.2#



#55

1,1,2-Trichloroethane

Concen: 124.736 ug/l

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Tgt Ion: 97 Resp: 402873

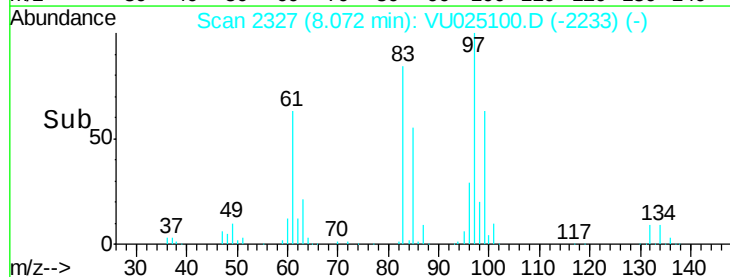
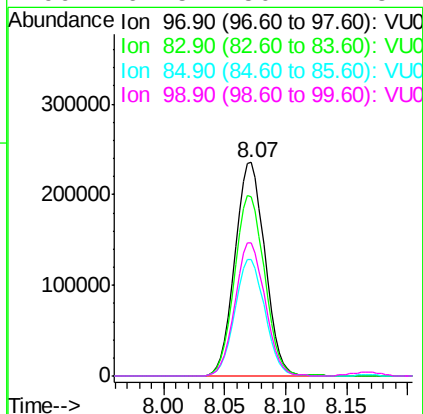
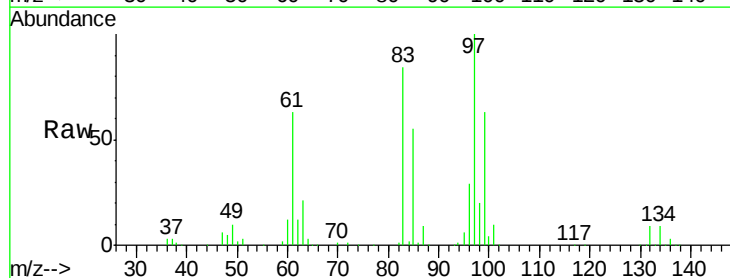
Ion Ratio Lower Upper

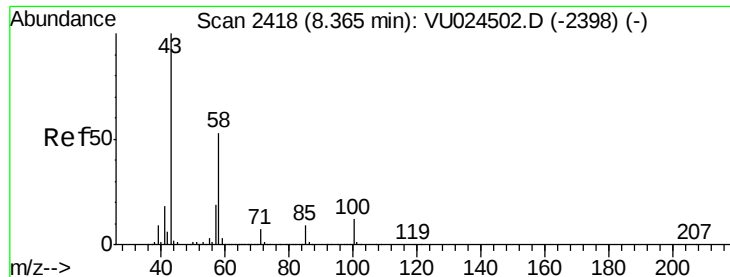
97 100

83 83.9 70.5 105.7

85 54.7 46.4 69.6

99 62.5 50.2 75.2

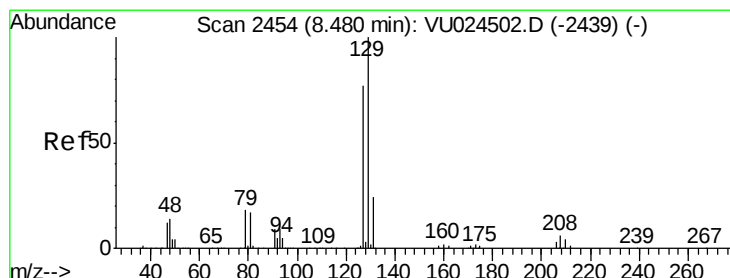
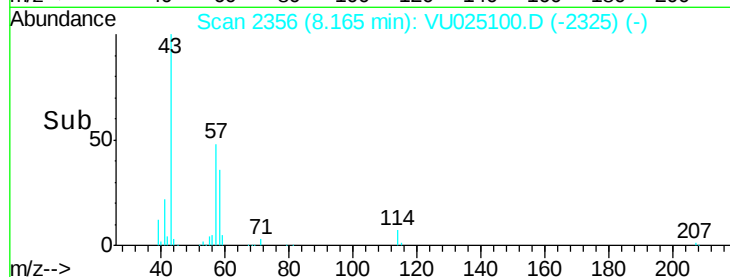
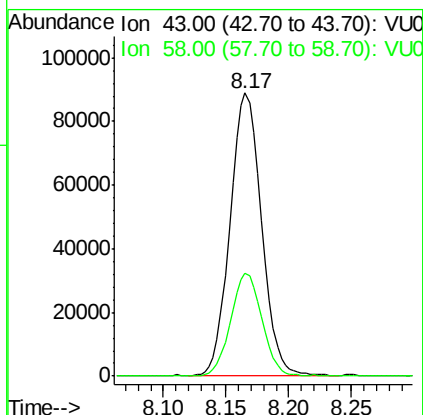
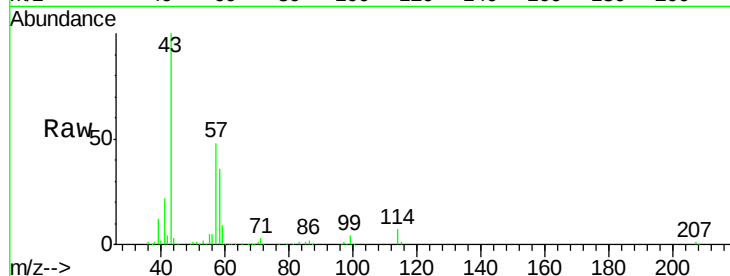




#59
2-Hexanone
Concen: 36.805 ug/l
RT: 8.17 min Scan# 2356
Delta R.T. -0.20 min
Lab File: VU025100.D
Acq: 30 Jun 2018 20:01

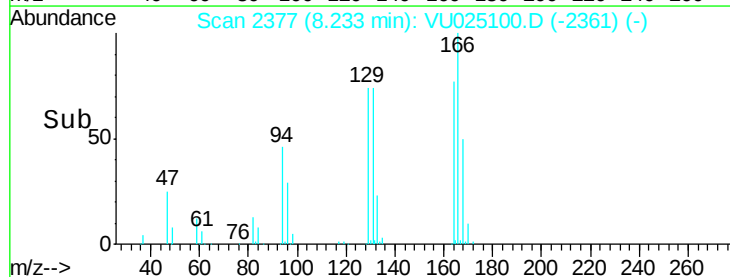
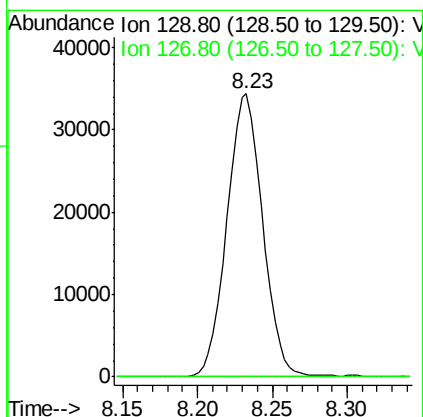
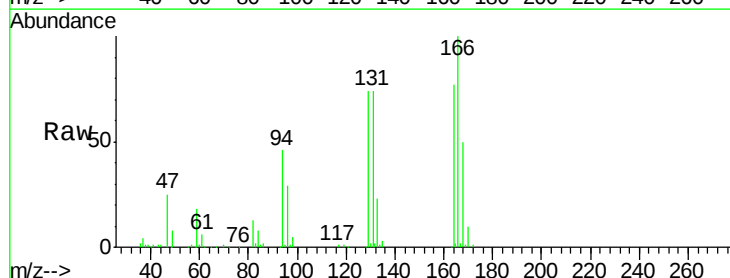
Instrument :
MSVOA_U
ClientSampleId :
WP021MW357-180625

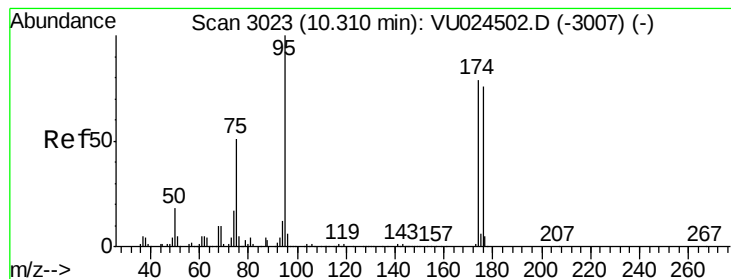
Tgt Ion: 43 Resp: 154146
Ion Ratio Lower Upper
43 100
58 36.2 26.4 79.0



#60
Dibromochloromethane
Concen: 14.211 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. -0.25 min
Lab File: VU025100.D
Acq: 30 Jun 2018 20:01

Tgt Ion: 129 Resp: 57237
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#





#62

4-Bromofluorobenzene

Concen: 47.372 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625

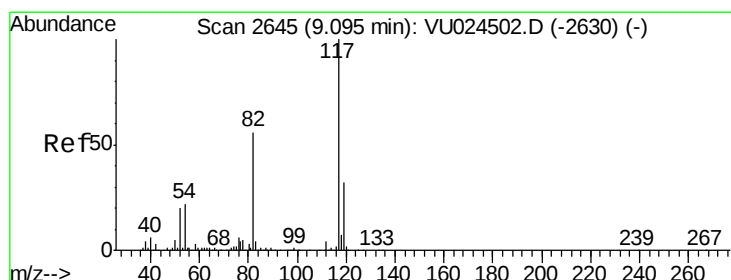
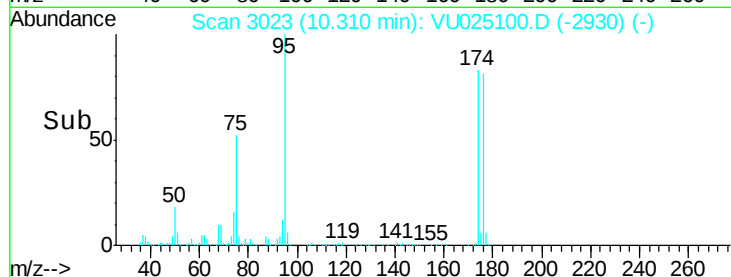
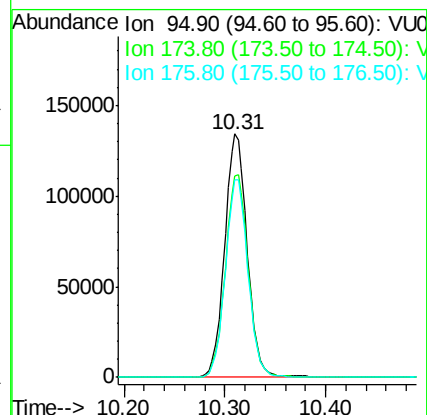
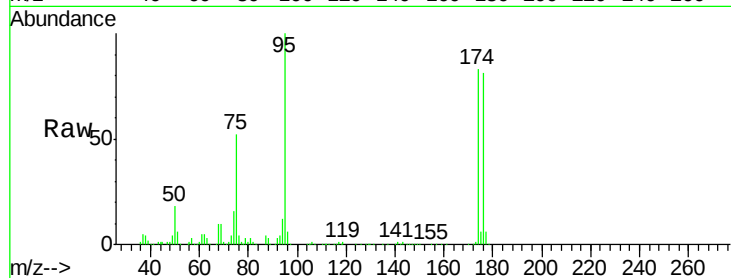
Tgt Ion: 95 Resp: 210012

Ion Ratio Lower Upper

95 100

174 84.3 0.0 165.8

176 81.4 0.0 159.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.09 min Scan# 2645

Delta R.T. -0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

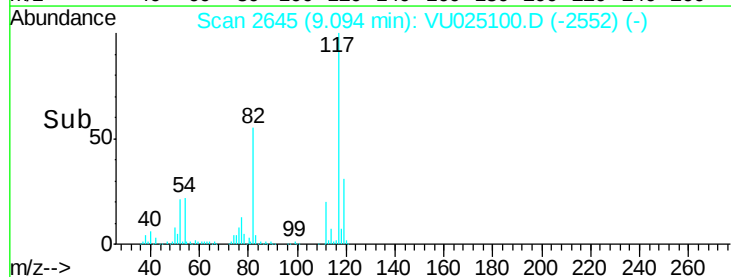
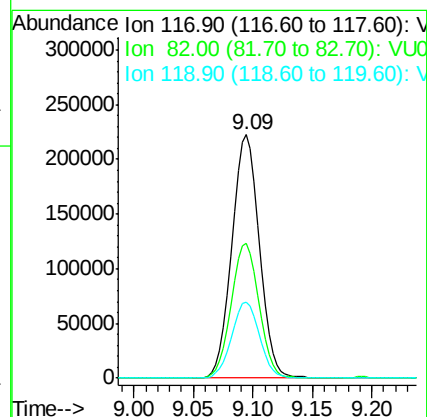
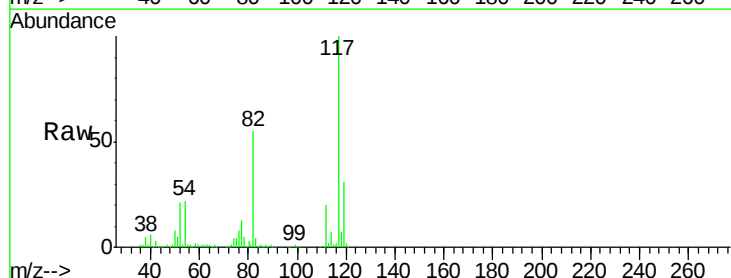
Tgt Ion: 117 Resp: 357549

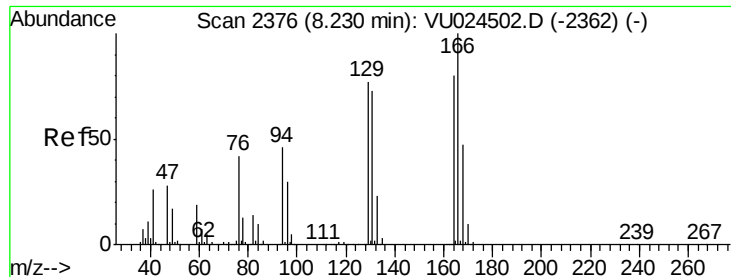
Ion Ratio Lower Upper

117 100

82 55.3 44.3 66.5

119 31.3 25.4 38.2





#64

Tetrachloroethene

Concen: 18.409 ug/l

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625

Tgt Ion:164 Resp: 62565

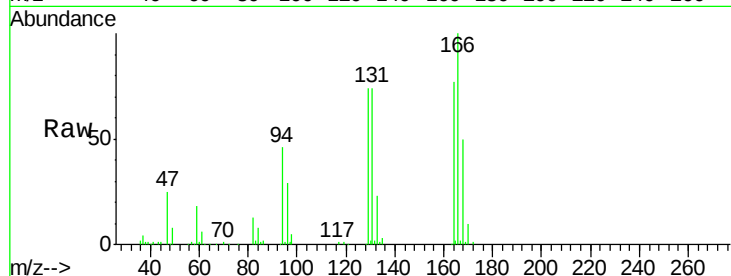
Ion Ratio Lower Upper

164 100

166 129.5 101.7 152.5

129 96.0 76.9 115.3

131 95.7 74.9 112.3

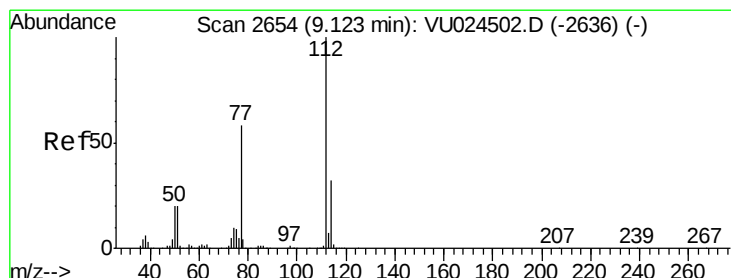
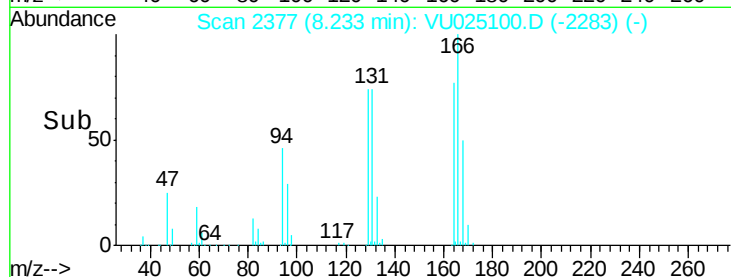
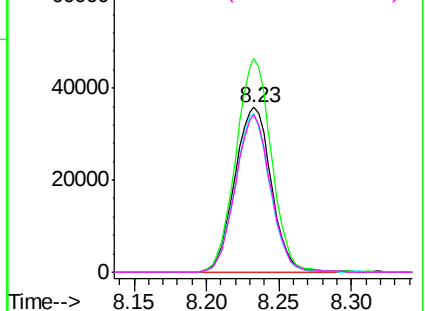


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 324.483 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU025100.D

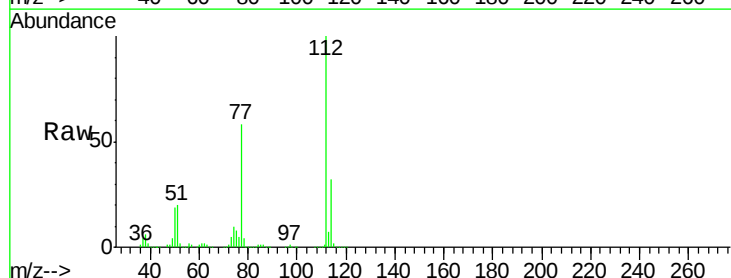
Acq: 30 Jun 2018 20:01

Tgt Ion:112 Resp: 2963850

Ion Ratio Lower Upper

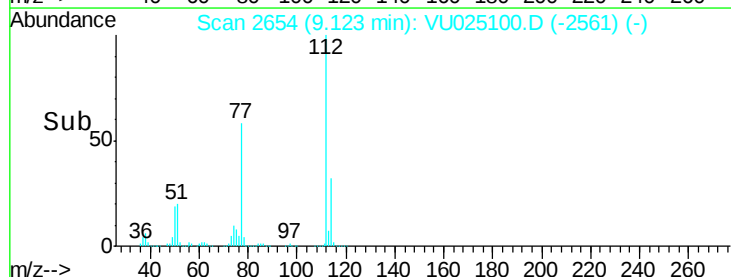
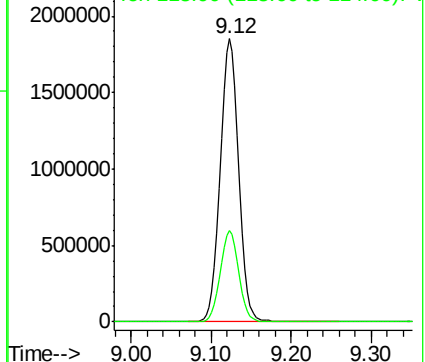
112 100

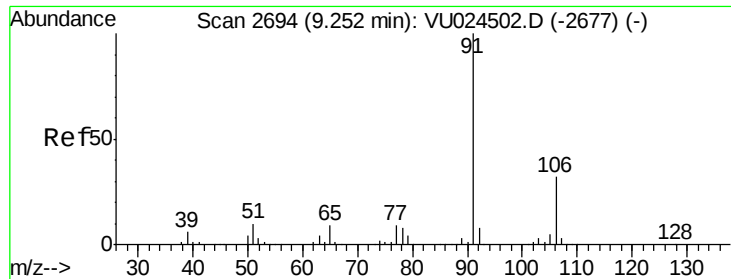
114 32.1 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

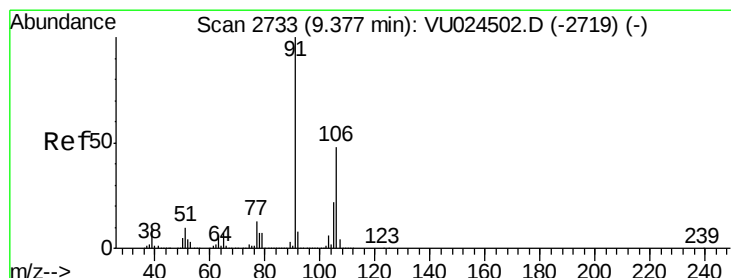
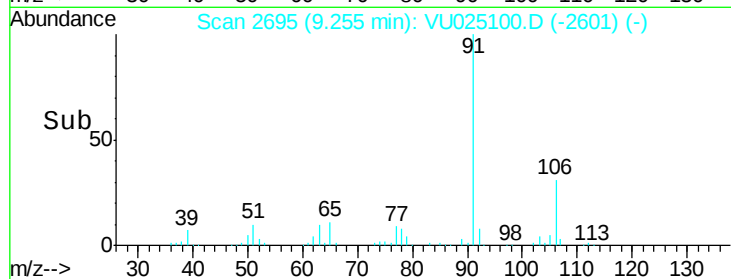
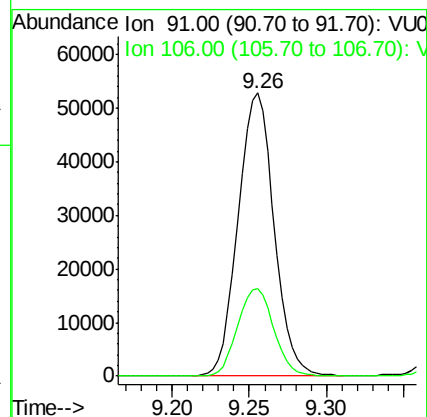
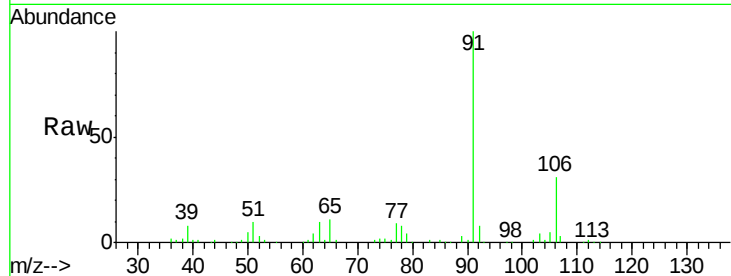




#67
Ethyl Benzene
 Concen: 5.332 ug/l
 RT: 9.26 min Scan# 2695
 Delta R.T. 0.00 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

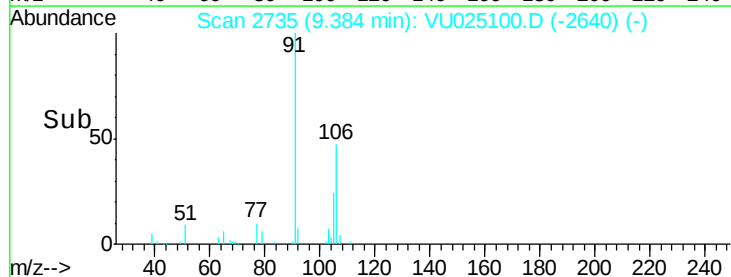
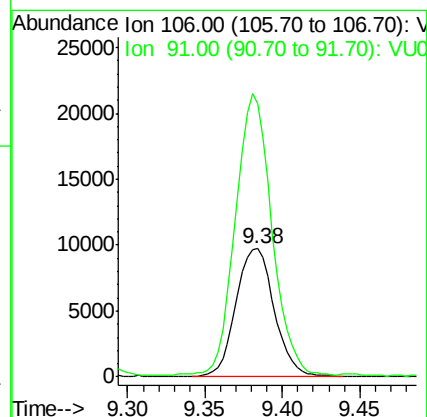
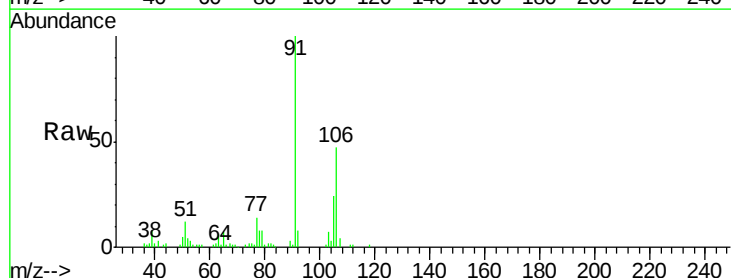
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW357-180625

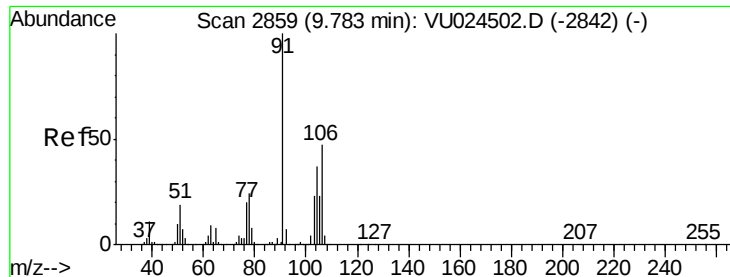
Tgt Ion: 91 Resp: 85381
 Ion Ratio Lower Upper
 91 100
 106 30.8 24.2 36.4



#68
m/p-Xylenes
 Concen: 2.734 ug/l
 RT: 9.38 min Scan# 2735
 Delta R.T. 0.01 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

Tgt Ion: 106 Resp: 16808
 Ion Ratio Lower Upper
 106 100
 91 207.9 166.5 249.7

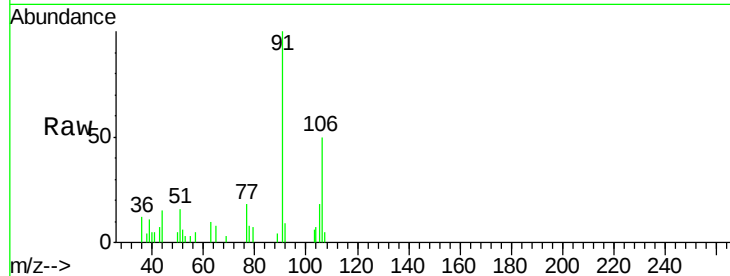




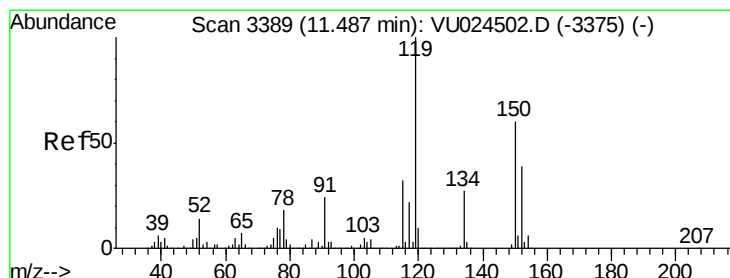
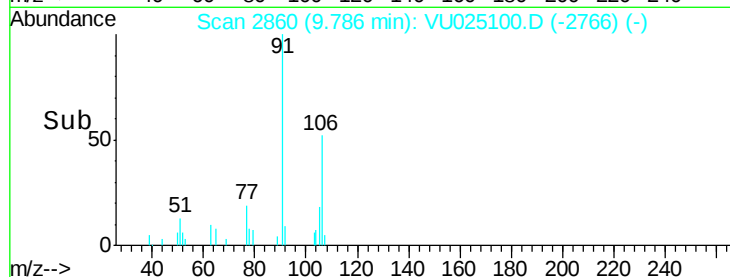
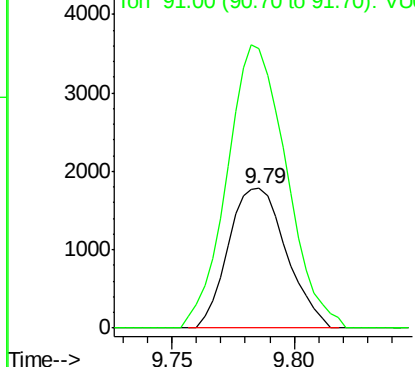
#69
o-Xylene
Concen: 0.483 ug/l
RT: 9.79 min Scan# 2860
Delta R.T. 0.00 min
Lab File: VU025100.D
Acq: 30 Jun 2018 20:01

Instrument :
MSVOA_U
ClientSampleId :
WP021MW357-180625

Tgt Ion:106 Resp: 2940
Ion Ratio Lower Upper
106 100
91 207.4 110.7 331.9

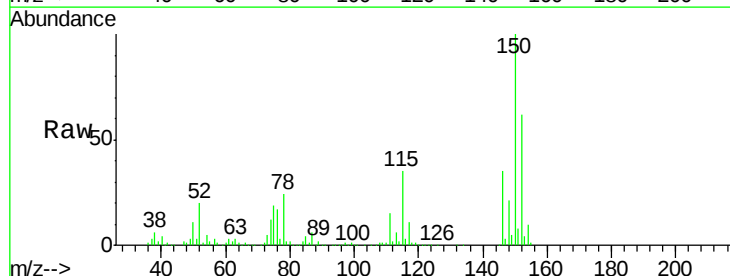


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

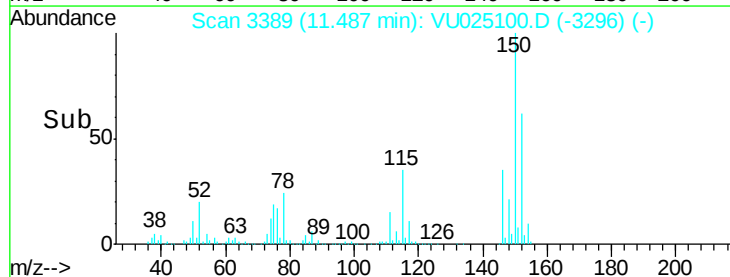
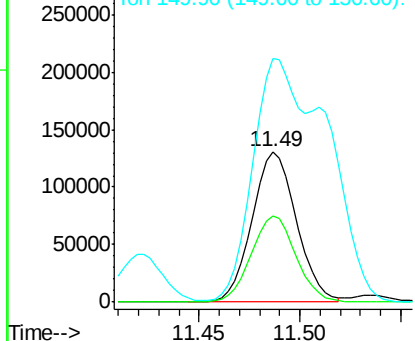


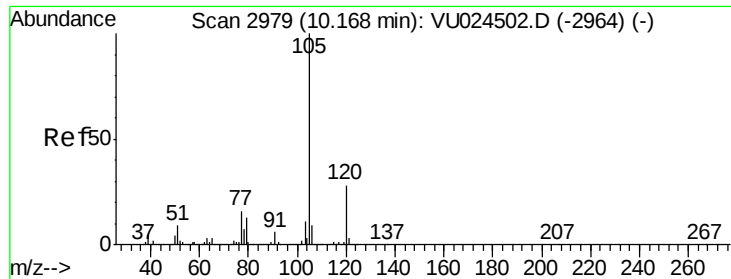
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.49 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VU025100.D
Acq: 30 Jun 2018 20:01

Tgt Ion:152 Resp: 200935
Ion Ratio Lower Upper
152 100
115 57.6 43.0 129.0
150 172.7 0.0 354.0



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





#73

Isopropylbenzene

Concen: 5.007 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

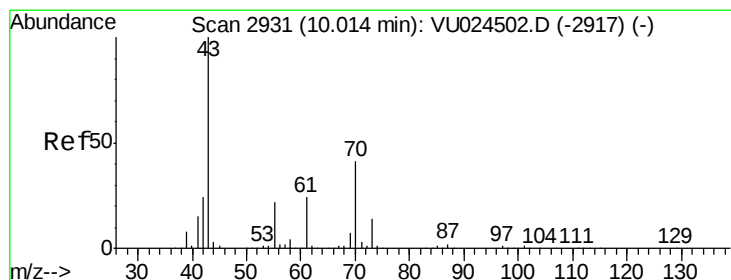
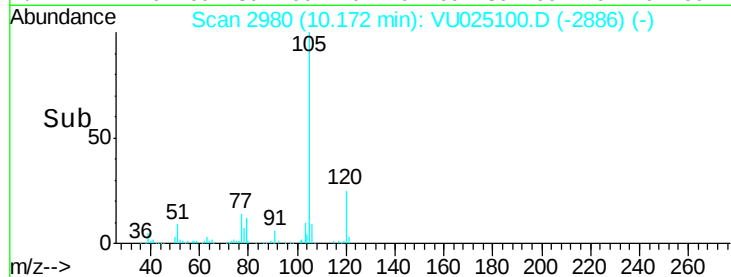
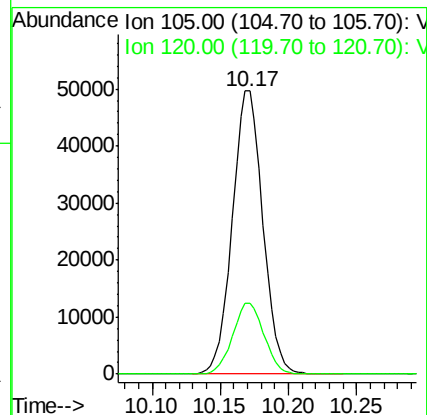
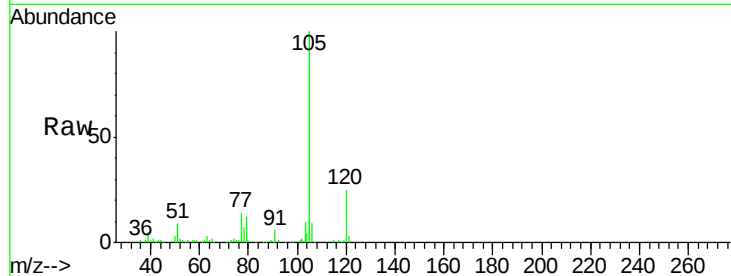
WP021MW357-180625

Tgt Ion:105 Resp: 77240

Ion Ratio Lower Upper

105 100

120 25.6 13.2 39.6



#74

N-ethyl acetate

Concen: 0.432 ug/l

RT: 10.05 min Scan# 2942

Delta R.T. 0.04 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Tgt Ion: 43 Resp: 3171

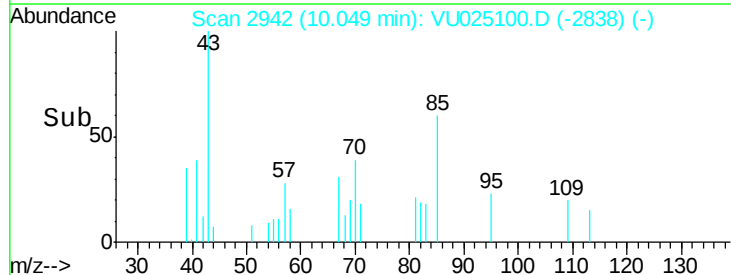
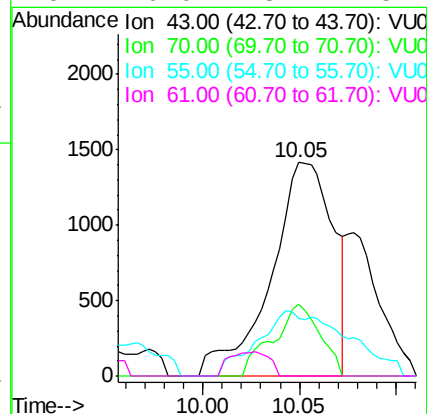
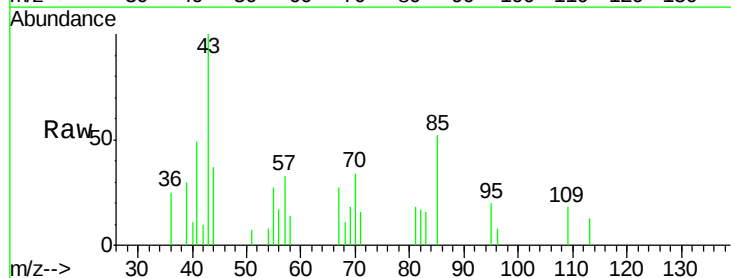
Ion Ratio Lower Upper

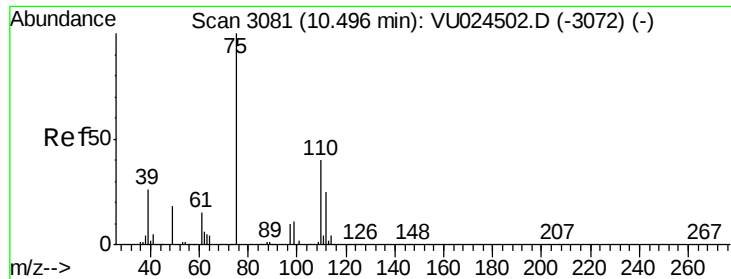
43 100

70 25.3 32.2 48.4#

55 22.8 20.5 30.7

61 0.0 18.7 28.1#

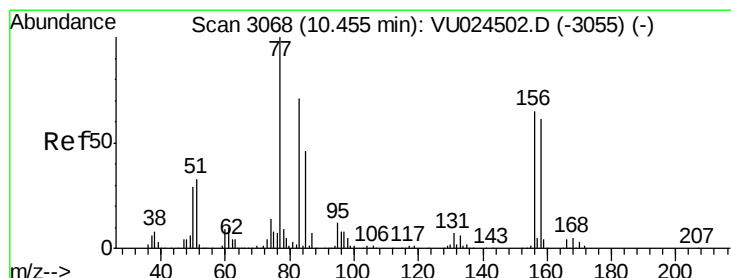
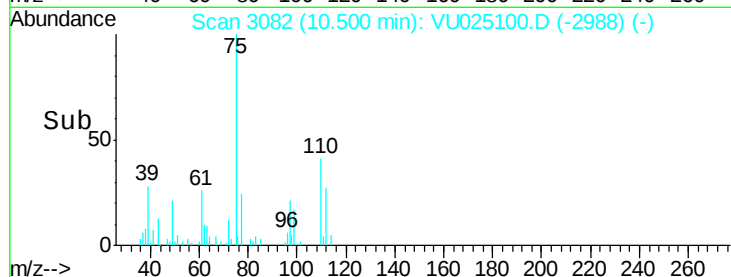
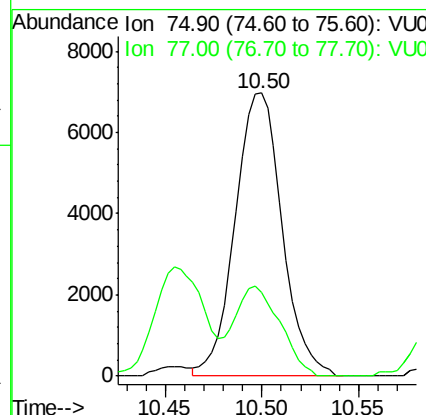
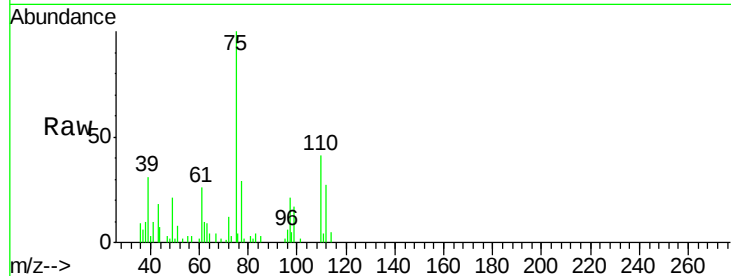




#76
 1,2,3-Trichloropropane
 Concen: 2.663 ug/l
 RT: 10.50 min Scan# 3082
 Delta R.T. 0.00 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

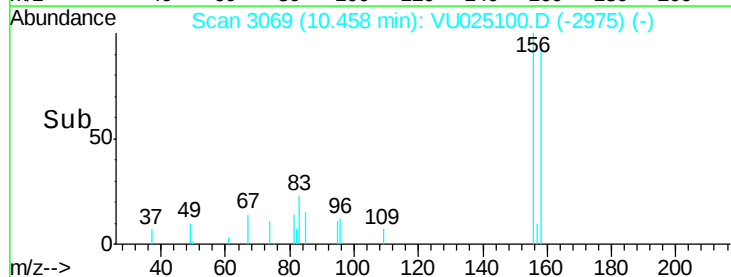
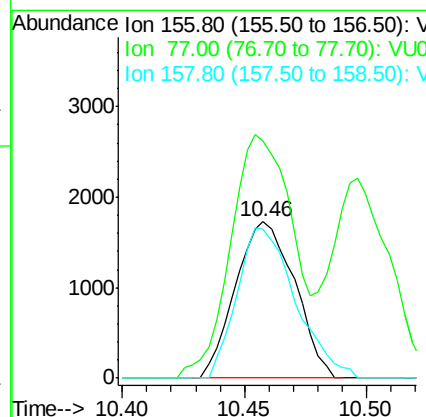
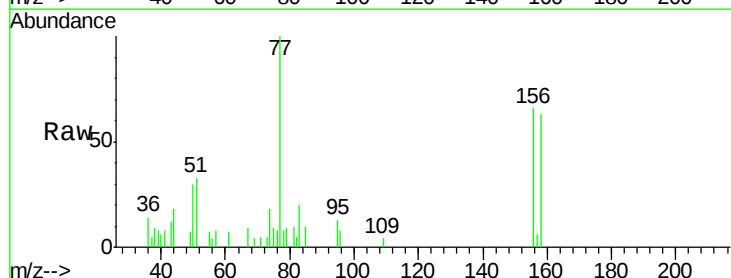
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW357-180625

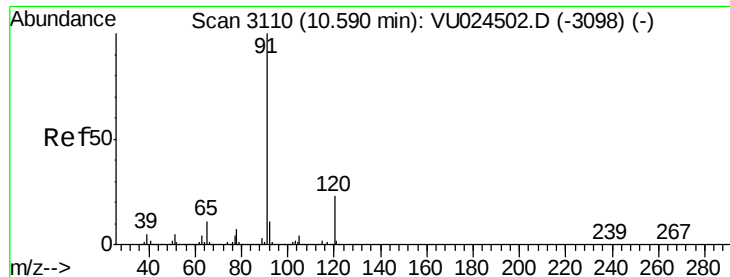
Tgt Ion: 75 Resp: 11779
 Ion Ratio Lower Upper
 75 100
 77 29.8 20.9 62.7



#77
 Bromobenzene
 Concen: 0.746 ug/l
 RT: 10.46 min Scan# 3069
 Delta R.T. 0.00 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

Tgt Ion: 156 Resp: 2912
 Ion Ratio Lower Upper
 156 100
 77 162.9 80.5 241.3
 158 94.6 48.2 144.6





#78

n-propylbenzene

Concen: 2.797 ug/l

RT: 10.59 min Scan# 3111

Delta R.T. 0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

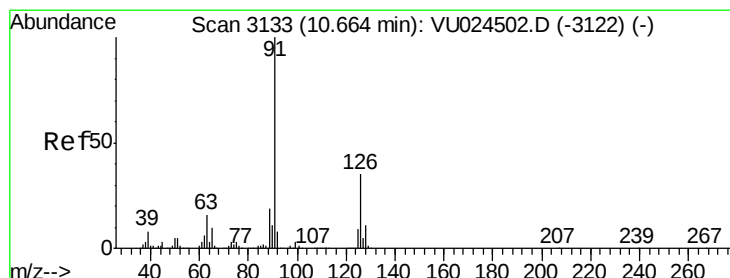
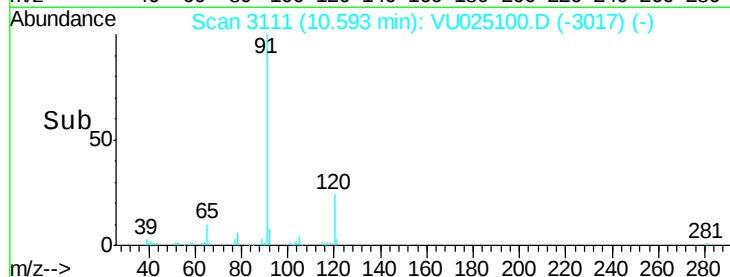
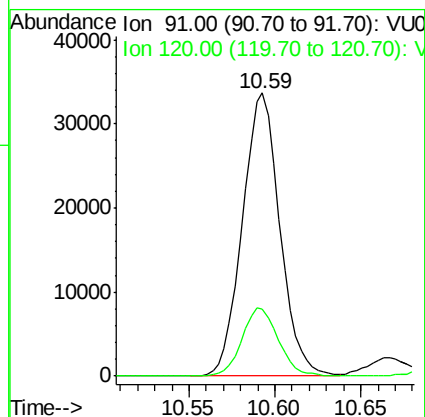
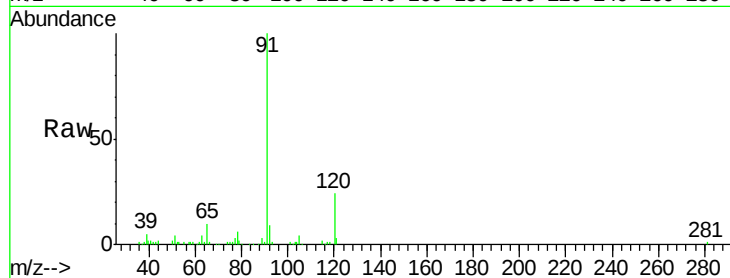
WP021MW357-180625

Tgt Ion: 91 Resp: 50837

Ion Ratio Lower Upper

91 100

120 23.3 11.2 33.5



#79

2-Chlorotoluene

Concen: 0.380 ug/l

RT: 10.67 min Scan# 3134

Delta R.T. 0.00 min

Lab File: VU025100.D

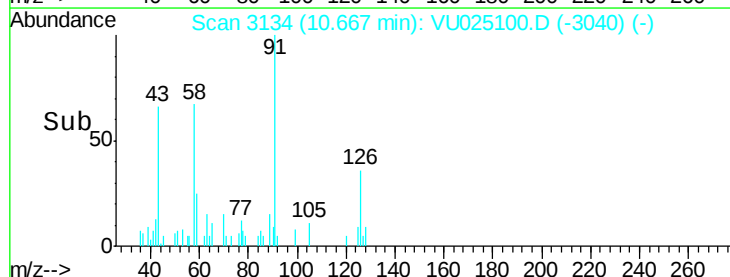
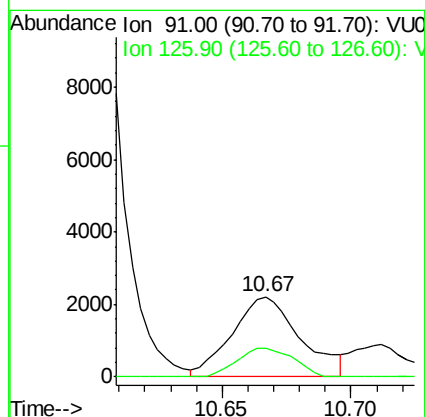
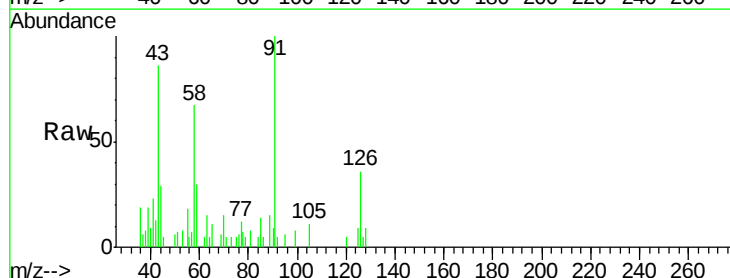
Acq: 30 Jun 2018 20:01

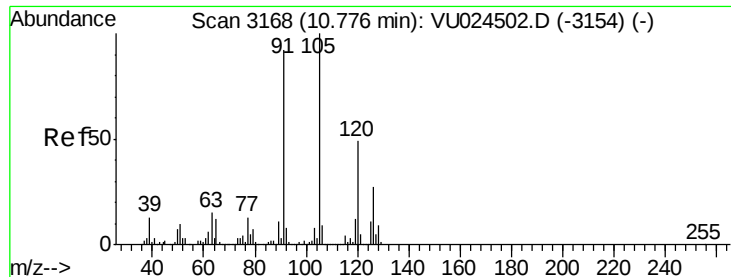
Tgt Ion: 91 Resp: 4074

Ion Ratio Lower Upper

91 100

126 29.7 16.9 50.7

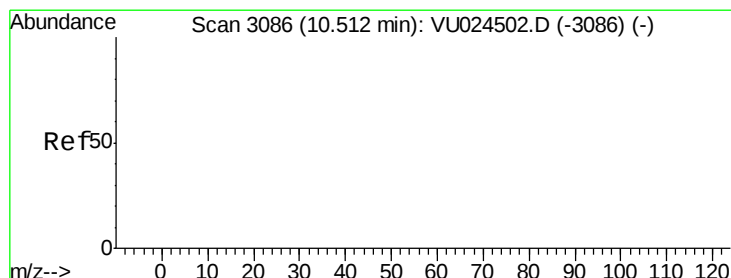
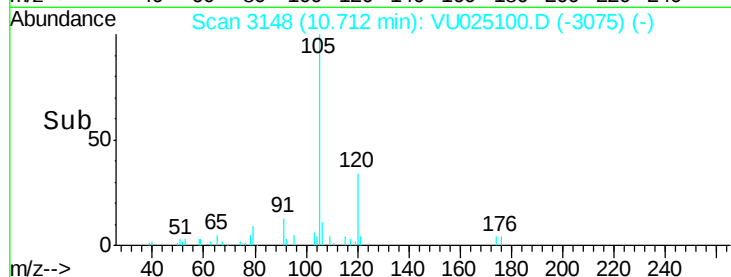
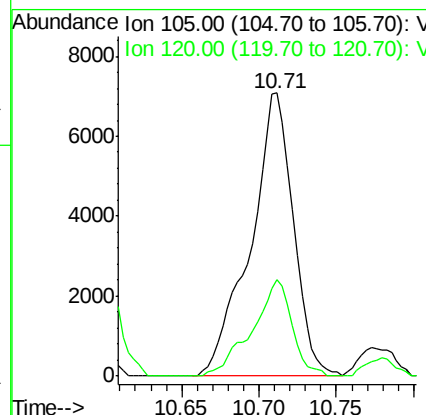
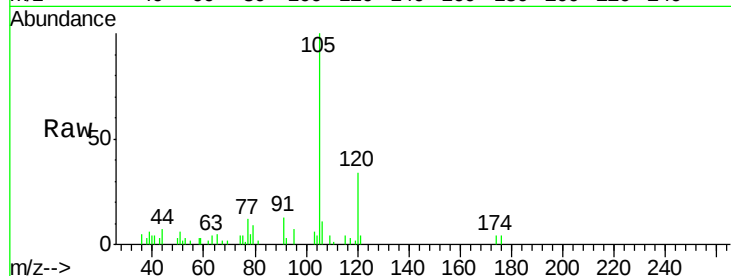




#80
 1,3,5-Trimethylbenzene
 Concen: 1.027 ug/l
 RT: 10.71 min Scan# 3148
 Delta R.T. -0.06 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

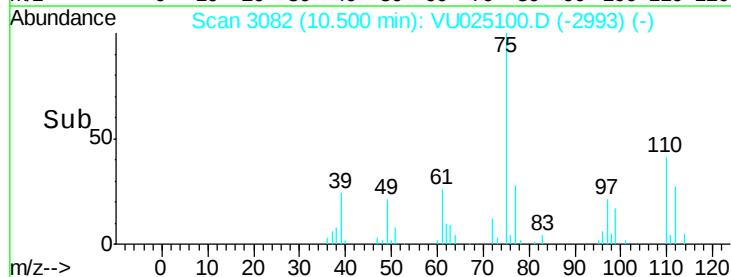
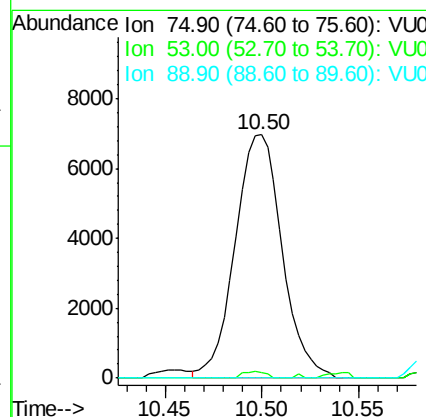
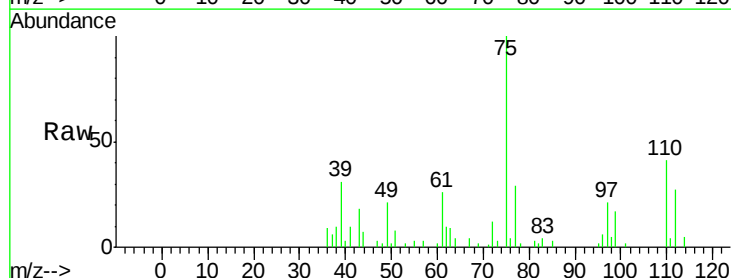
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW357-180625

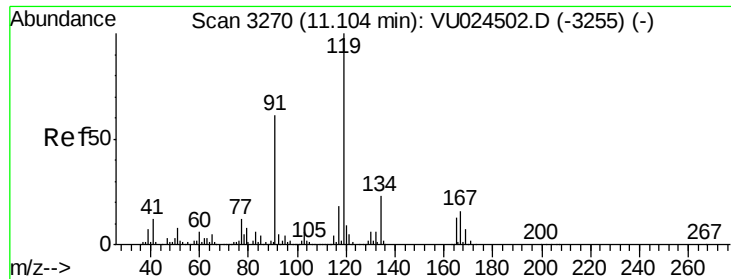
Tgt Ion: 105 Resp: 13734
 Ion Ratio Lower Upper
 105 100
 120 31.5 24.1 72.2



#81
 trans-1,4-Dichloro-2-butene
 Concen: 6.162 ug/l
 RT: 10.50 min Scan# 3082
 Delta R.T. -0.01 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

Tgt Ion: 75 Resp: 11779
 Ion Ratio Lower Upper
 75 100
 53 1.3 0.0 0.0#
 89 0.0 0.0 0.0

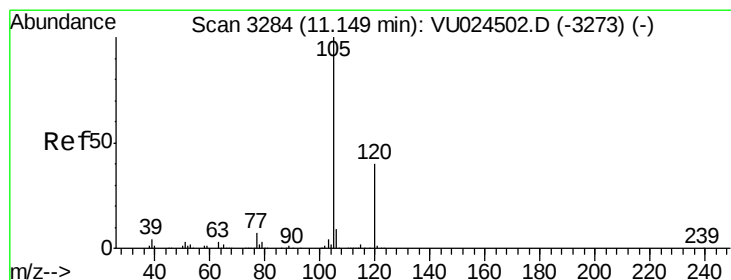
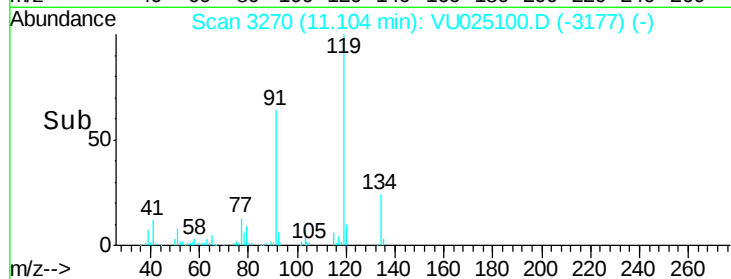
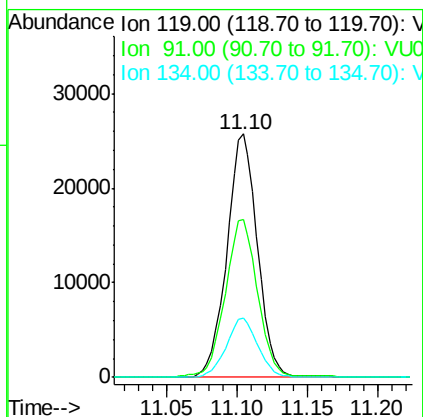
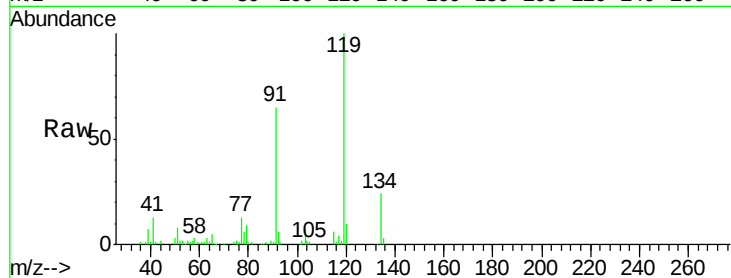




#83
 tert-Butylbenzene
 Concen: 3.034 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

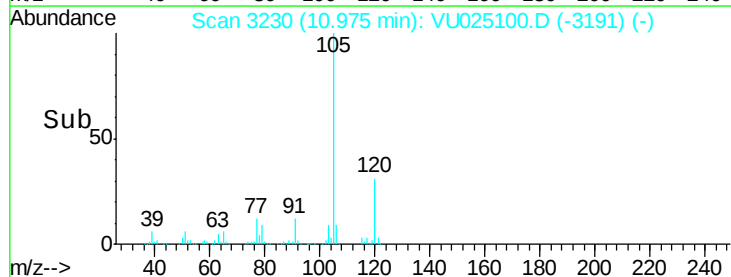
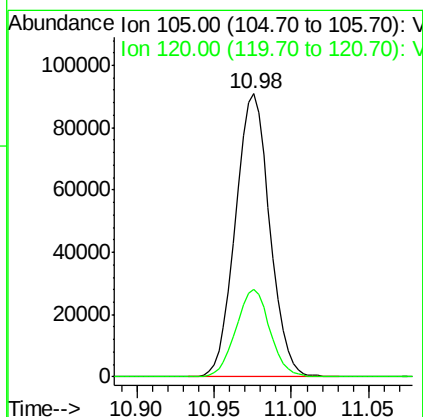
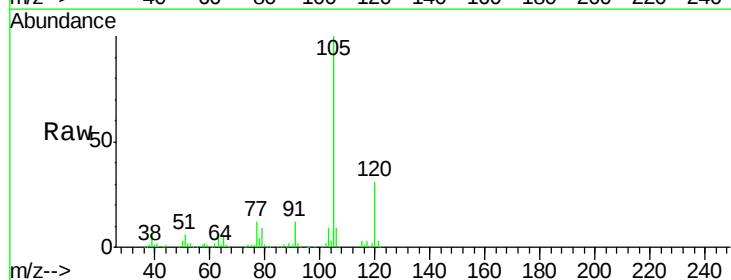
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW357-180625

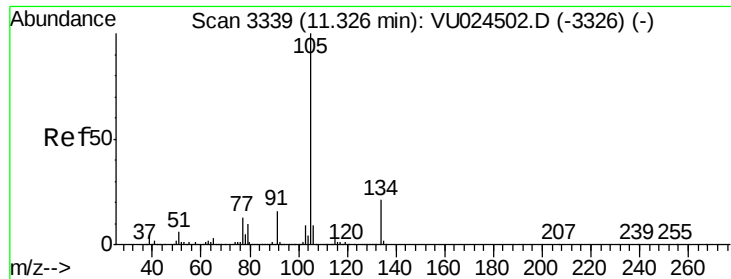
Tgt Ion:119 Resp: 39022
 Ion Ratio Lower Upper
 119 100
 91 68.5 29.7 89.1
 134 25.1 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 10.251 ug/l
 RT: 10.98 min Scan# 3230
 Delta R.T. -0.17 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

Tgt Ion:105 Resp: 139683
 Ion Ratio Lower Upper
 105 100
 120 30.7 22.6 67.8

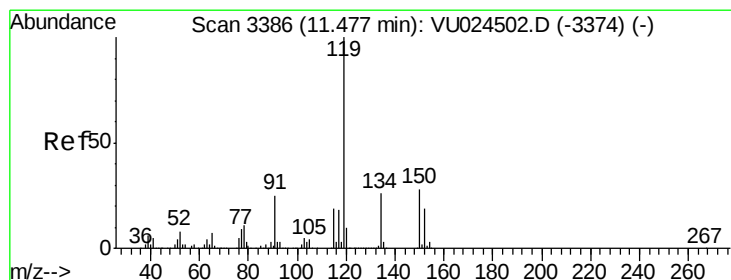
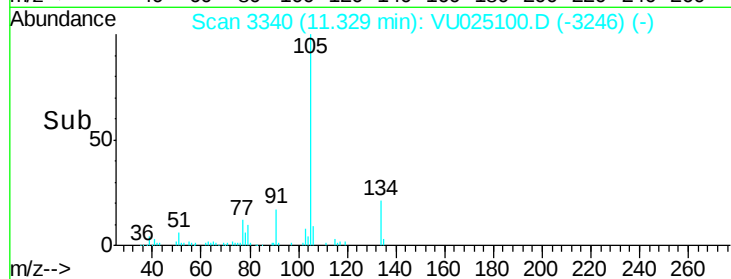
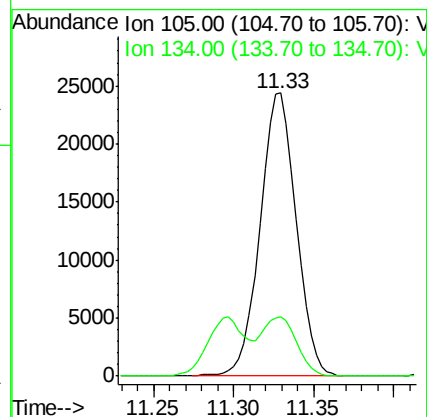
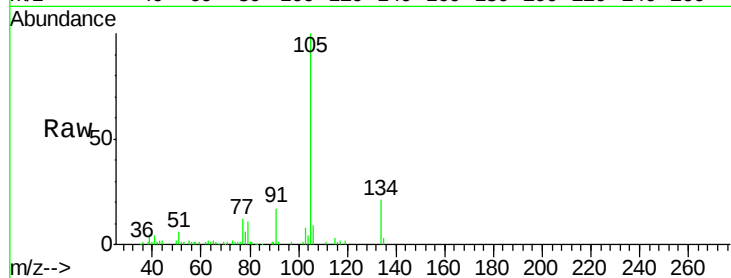




#85
 sec-Butylbenzene
 Concen: 2.362 ug/l
 RT: 11.33 min Scan# 3340
 Delta R.T. 0.00 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

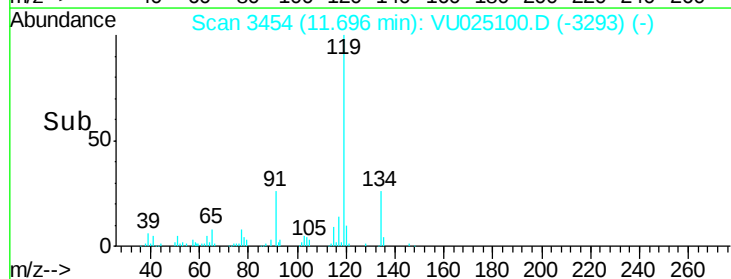
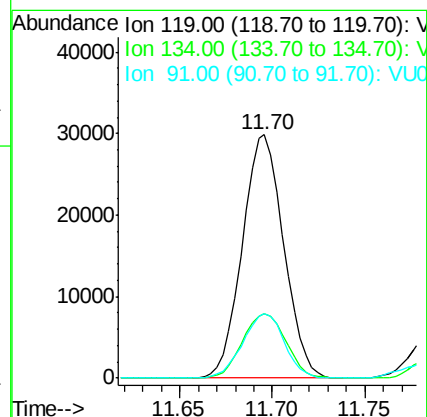
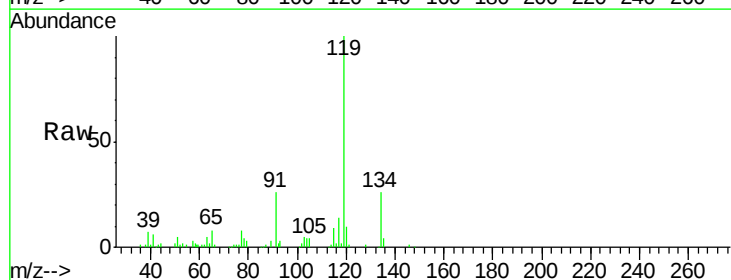
Instrument :
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 ClientSampleId :
 WP021MW357-180625

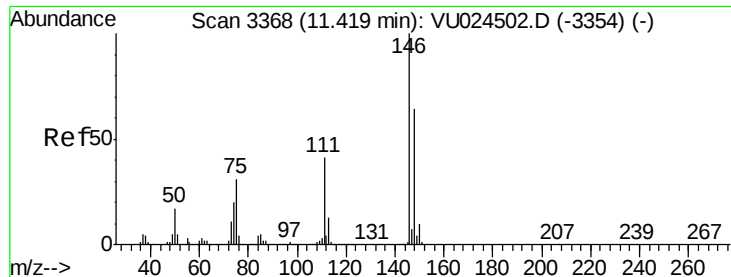
Tgt Ion:105 Resp: 38035
 Ion Ratio Lower Upper
 105 100
 134 19.7 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 3.203 ug/l
 RT: 11.70 min Scan# 3454
 Delta R.T. 0.22 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

Tgt Ion:119 Resp: 46180
 Ion Ratio Lower Upper
 119 100
 134 27.7 12.9 38.6
 91 26.6 12.0 36.1

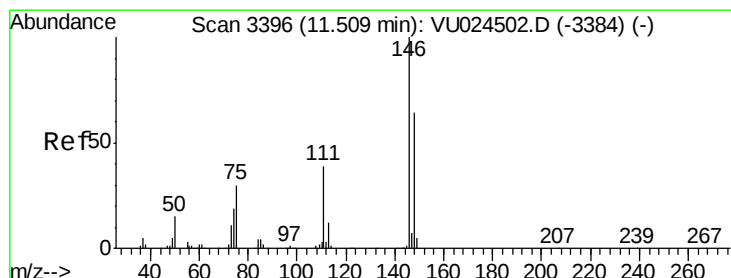
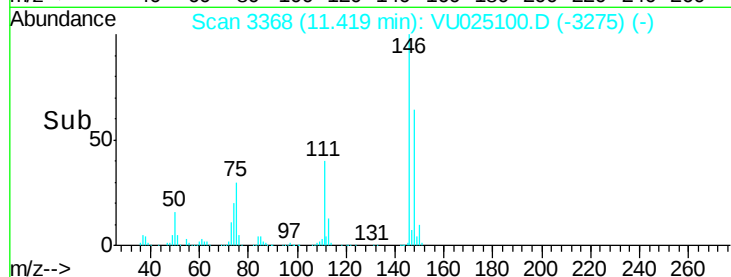
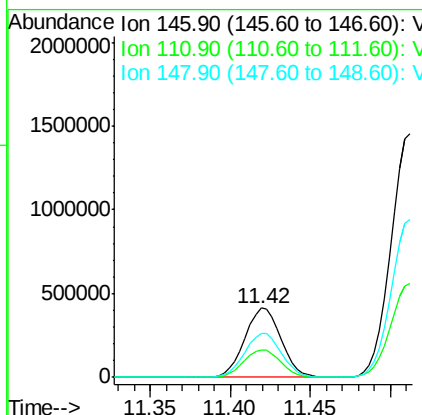
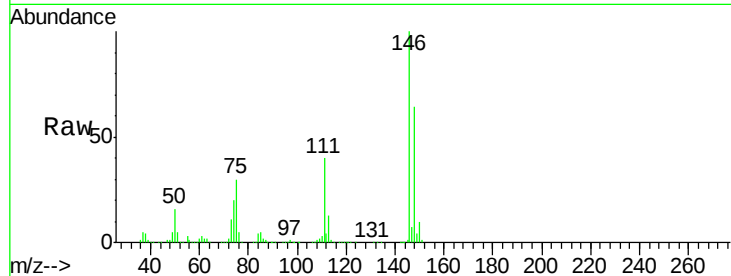




#87
 1,3-Dichlorobenzene
 Concen: 88.654 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. -0.00 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

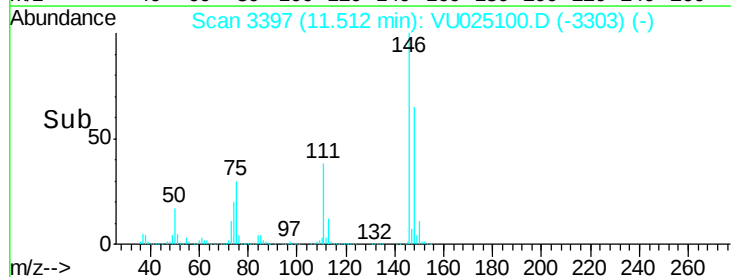
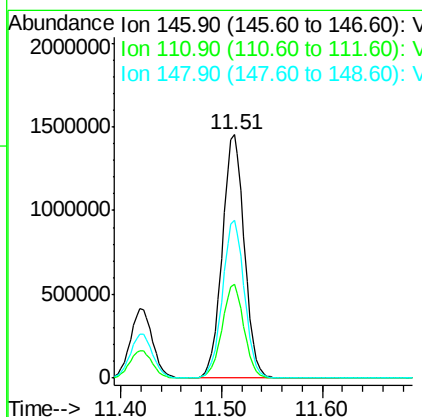
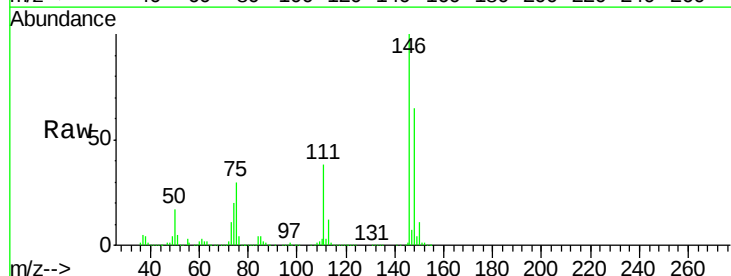
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 MSVOA_U
 ClientSampleId :
 WP021MW357-180625

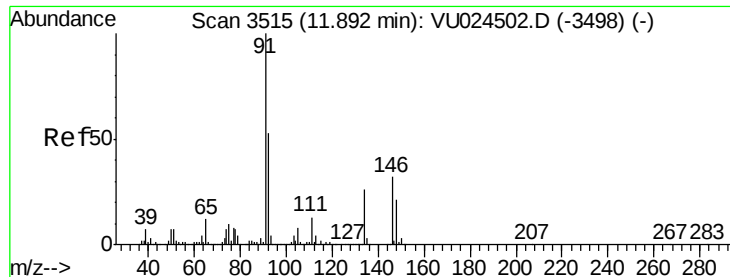
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.0	60.0
148	64.4	32.1	96.5



#88
 1,4-Dichlorobenzene
 Concen: 305.217 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025100.D
 Acq: 30 Jun 2018 20:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	64.6	32.4	97.0





#89

n-Butylbenzene

Concen: 0.764 ug/l

RT: 11.90 min Scan# 3516

Delta R.T. 0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625

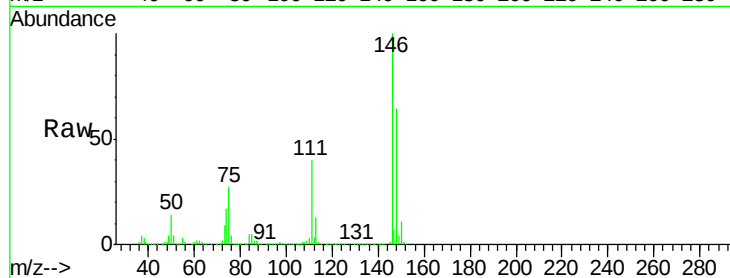
Tgt Ion: 91 Resp: 9784

Ion Ratio Lower Upper

91 100

92 42.1 25.6 76.8

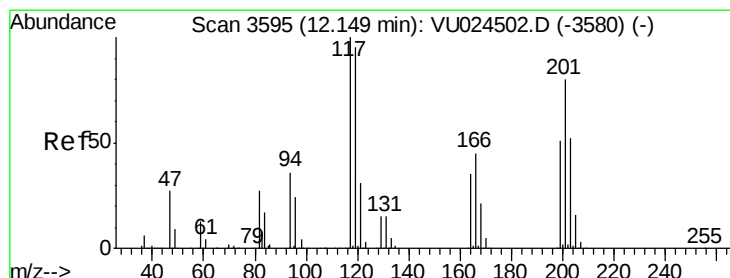
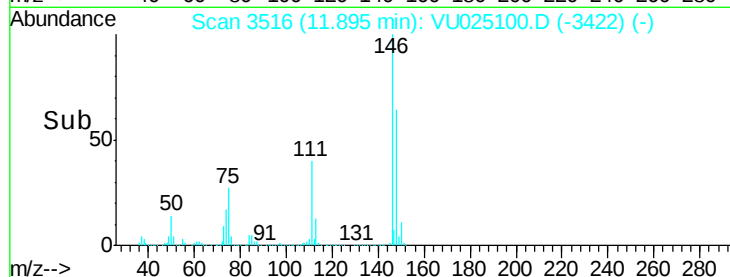
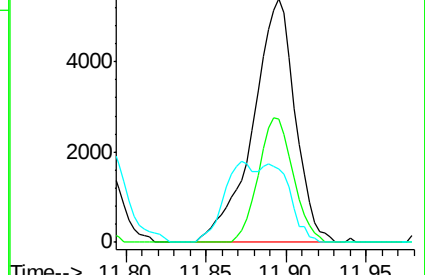
134 0.0 12.3 36.8#



Abundance Ion 91.00 (90.70 to 91.70): VU024502.D (-3498) (-)

Ion 92.00 (91.70 to 92.70): VU024502.D (-3498) (-)

Ion 134.00 (133.70 to 134.70): VU024502.D (-3498) (-)



#90

Hexachloroethane

Concen: 0.369 ug/l

RT: 12.29 min Scan# 3638

Delta R.T. 0.14 min

Lab File: VU025100.D

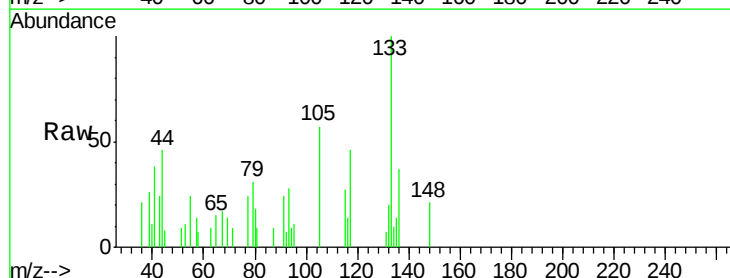
Acq: 30 Jun 2018 20:01

Tgt Ion: 117 Resp: 1039

Ion Ratio Lower Upper

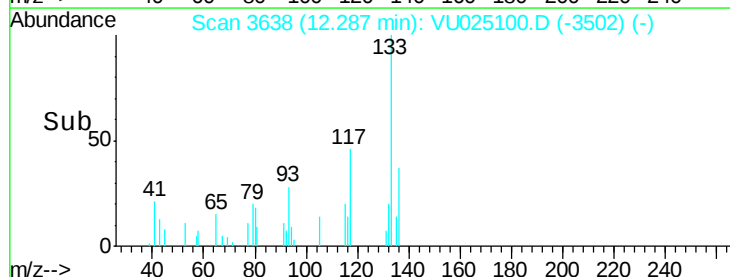
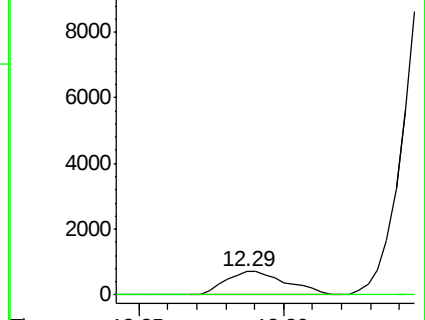
117 100

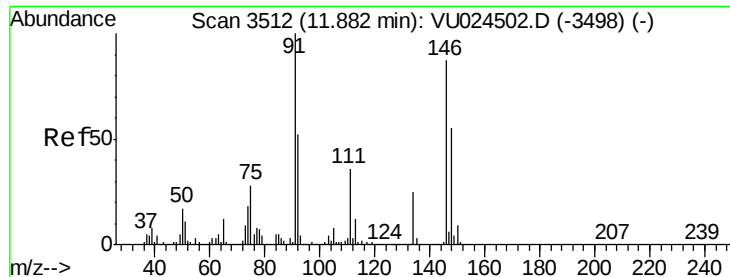
201 0.0 41.1 123.3#



Abundance Ion 116.80 (116.50 to 117.50): VU024502.D (-3580) (-)

Ion 200.70 (200.40 to 201.40): VU024502.D (-3580) (-)





#91

1,2-Dichlorobenzene

Concen: 1281.376 ug/l

RT: 11.89 min Scan# 3514

Delta R.T. 0.01 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625

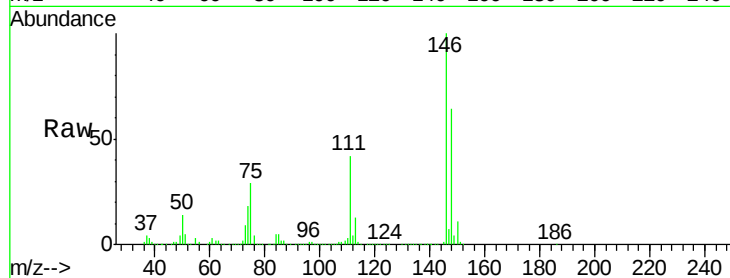
Tgt Ion:146 Resp: 9260809

Ion Ratio Lower Upper

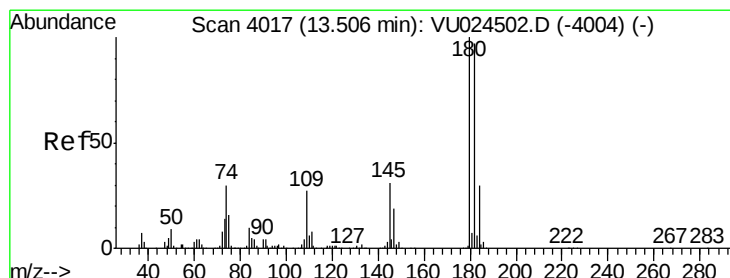
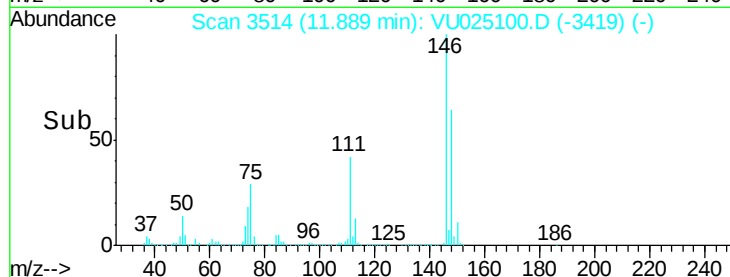
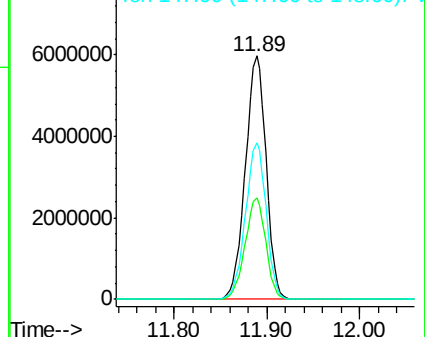
146 100

111 41.4 20.5 61.6

148 64.3 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



#93

1,2,4-Trichlorobenzene

Concen: 2.180 ug/l

RT: 13.51 min Scan# 4017

Delta R.T. -0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

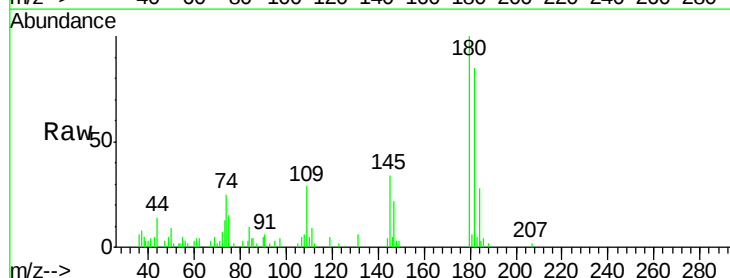
Tgt Ion:180 Resp: 9730

Ion Ratio Lower Upper

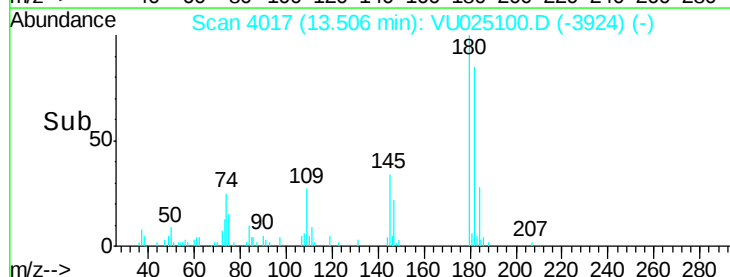
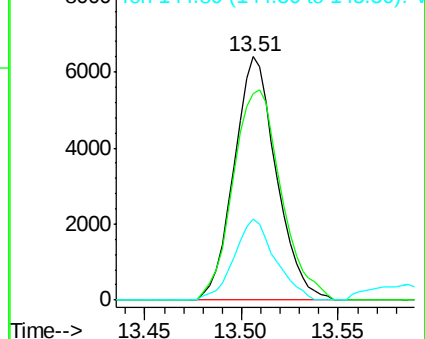
180 100

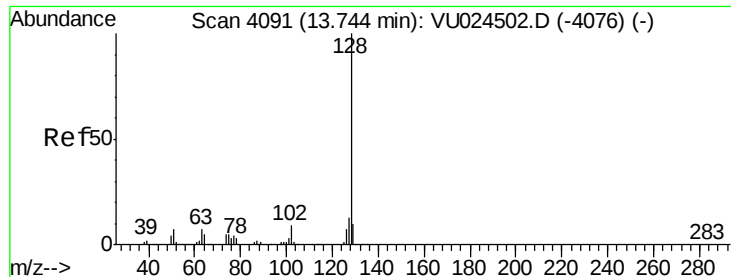
182 98.1 48.0 144.2

145 32.2 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 3.266 ug/l

RT: 13.75 min Scan# 4092

Delta R.T. 0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

Instrument :

MSVOA_U

ClientSampleId :

WP021MW357-180625

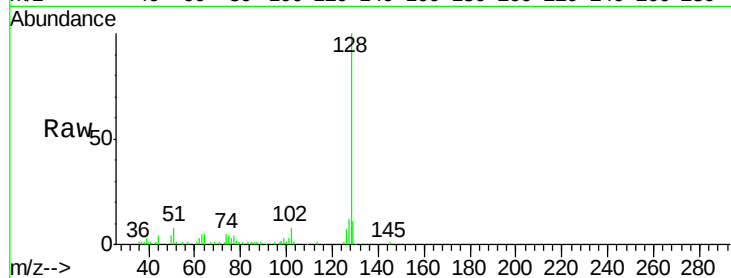
Tgt Ion:128 Resp: 38740

Ion Ratio Lower Upper

128 100

127 12.8 10.6 16.0

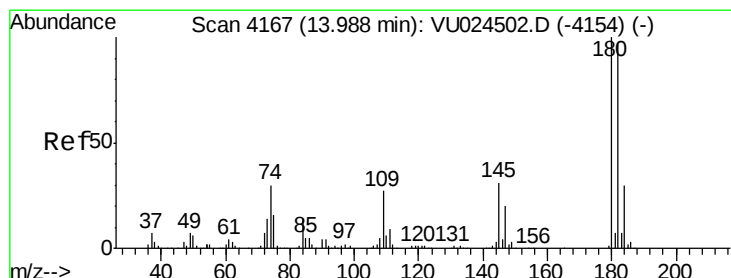
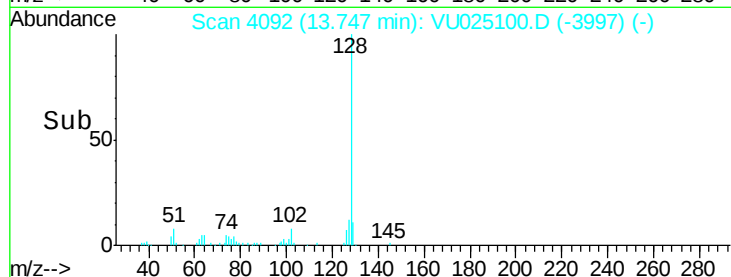
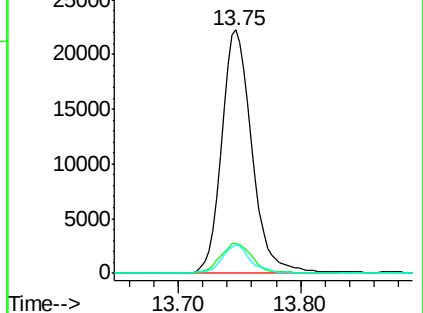
129 10.7 8.6 12.8



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: 1.398 ug/l

RT: 13.99 min Scan# 4168

Delta R.T. 0.00 min

Lab File: VU025100.D

Acq: 30 Jun 2018 20:01

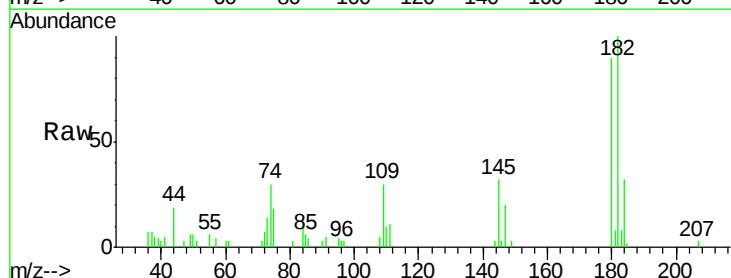
Tgt Ion:180 Resp: 6217

Ion Ratio Lower Upper

180 100

182 99.5 47.9 143.7

145 41.0 15.4 46.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

