

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U070518\
 Data File : VU025222.D
 Acq On : 05 Jul 2018 17:52
 Operator : MD/SY
 Sample : J3808-17
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW454-180628

Quant Time: Jul 06 05:15:44 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	216595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	326221	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	309227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	169527	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.31	65	166098	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
35) Dibromofluoromethane	4.89	113	124649	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	
50) Toluene-d8	7.57	98	470486	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
62) 4-Bromofluorobenzene	10.31	95	178846	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.40	50	61848	22.33	ug/l #	42
4) Vinyl Chloride	1.40	62	9674924	3387.07	ug/l	92
5) Bromomethane	1.63	94	702	0.51	ug/l #	62
6) Chloroethane	1.70	64	151349	95.79	ug/l	98
10) Methyl Iodide	2.42	142	144	5.34	ug/l #	55
11) Tert butyl alcohol	2.82	59	54508	63.38	ug/l	96
12) 1,1-Dichloroethene	2.29	96	58842	23.86	ug/l	95
13) Acrolein	2.19	56	334	0.74	ug/l #	44
15) Acrylonitrile	2.82	53	502	0.30	ug/l #	33
16) Acetone	2.32	43	3394	1.79	ug/l #	87
20) Methylene Chloride	2.70	84	652	0.22	ug/l #	72
21) trans-1,2-Dichloroethene	2.99	96	218043	80.27	ug/l	99
24) 1,1-Dichloroethane	3.45	63	304644	58.34	ug/l	99
25) 2-Butanone	4.21	43	2200	0.86	ug/l #	1
26) 2,2-Dichloropropane	4.19	77	2434	0.49	ug/l #	53
29) Tetrahydrofuran	4.64	42	18965	12.00	ug/l	98
31) Cyclohexane	4.99	56	14564	1.21	ug/l #	66
36) 1,1-Dichloropropene	4.99	75	16115	4.20	ug/l #	51
38) Carbon Tetrachloride	4.99	117	21552	5.11	ug/l #	17
39) Methylcyclohexane	6.42	83	12655	2.65	ug/l	95
40) Benzene	5.39	78	228746	20.94	ug/l	97
41) Methacrylonitrile	4.65	41	11376	5.05	ug/l #	45
42) 1,2-Dichloroethane	5.41	62	15595	3.75	ug/l	99
44) Trichloroethene	6.19	130	487983	156.98	ug/l	96
49) 1,4-Dioxane	6.62	88	3490	50.75	ug/l	92
52) Toluene	7.64	92	25429	3.62	ug/l	99
55) 1,1,2-Trichloroethane	8.08	97	1534	0.54	ug/l #	85
59) 2-Hexanone	8.17	43	98427	26.57	ug/l	75
64) Tetrachloroethene	8.23	164	718	0.24	ug/l	92
65) Chlorobenzene	9.12	112	3188308	403.60	ug/l	99
68) m/p-Xylenes	9.38	106	3008	0.57	ug/l	95
73) Isopropylbenzene	10.17	105	30717	2.36	ug/l	98
74) N-amyl acetate	10.05	43	4154	0.67	ug/l #	70
76) 1,2,3-Trichloropropane	10.31	75	92031	24.66	ug/l #	35

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	10.98	105	3467	0.31	ug/l	80
81) trans-1,4-Dichloro-2-buten	10.31	75	92031	57.07	ug/l #	100
83) tert-Butylbenzene	11.10	119	37520	3.46	ug/l	93
84) 1,2,4-Trimethylbenzene	10.98	105	3467	0.30	ug/l	83
85) sec-Butylbenzene	11.33	105	23208	1.71	ug/l	99
86) p-Isopropyltoluene	11.69	119	45387	3.73	ug/l	95
87) 1,3-Dichlorobenzene	11.42	146	37008	6.08	ug/l	99
88) 1,4-Dichlorobenzene	11.51	146	187371	30.58	ug/l	100
91) 1,2-Dichlorobenzene	11.88	146	1271348	208.50	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.54	75	257	0.21	ug/l #	3
95) Naphthalene	13.75	128	2249	0.86	ug/l #	88

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

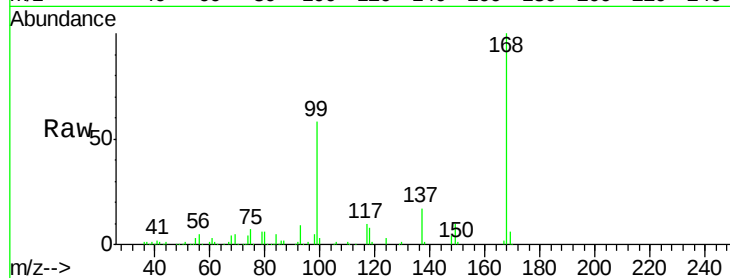
WP021IW454-180628

Tot Ion:168 Resp: 216595

Ion Ratio Lower Upper

168 100

99 57.9 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

80000

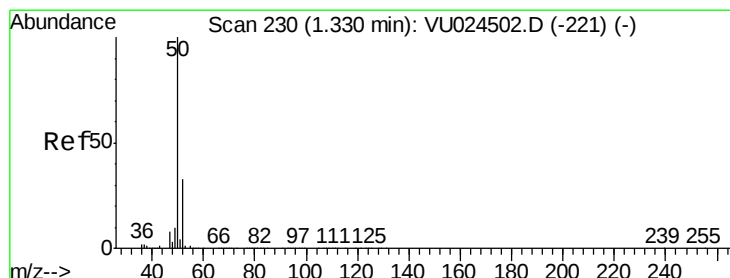
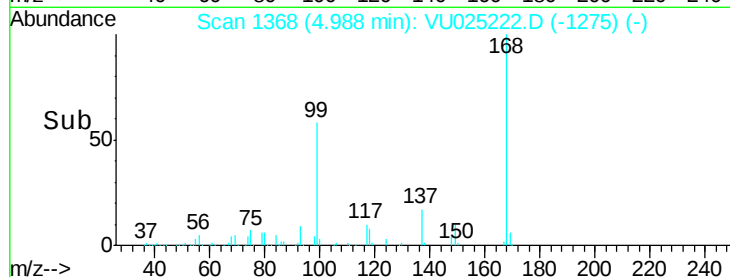
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 22.33 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.07 min

Lab File: VU025222.D

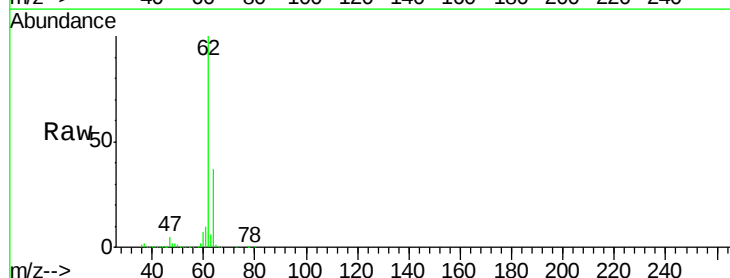
Acq: 05 Jul 2018 17:52

Tgt Ion: 50 Resp: 61848

Ion Ratio Lower Upper

50 100

52 0.4 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

60000

50000

40000

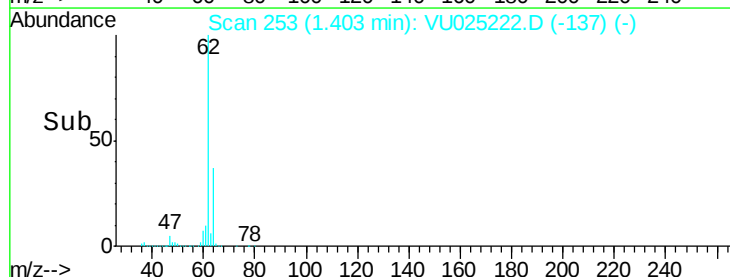
30000

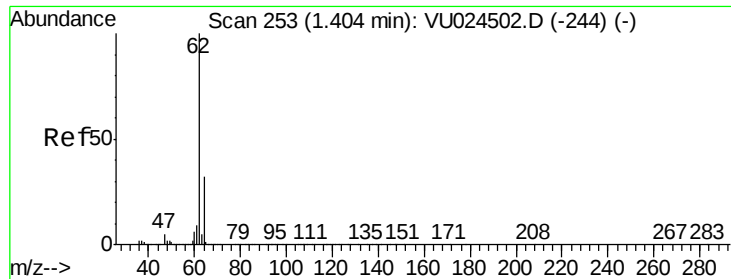
20000

10000

0

Time-->





#4

Vinyl Chloride

Concen: 3387.07 ug/l

RT: 1.40 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

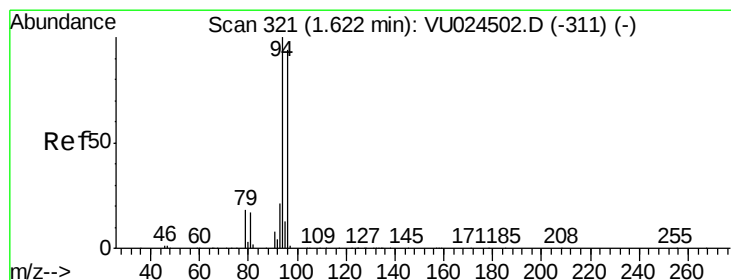
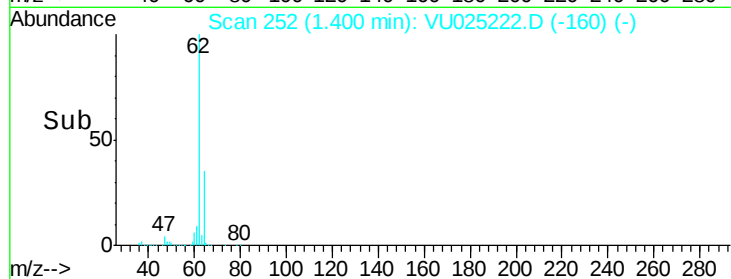
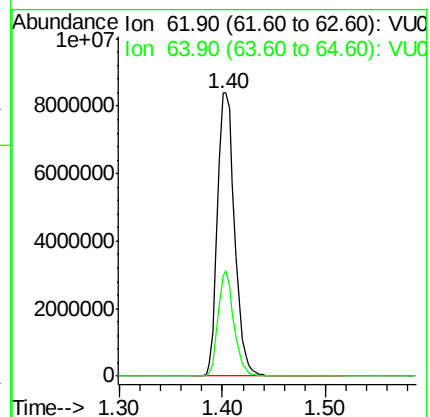
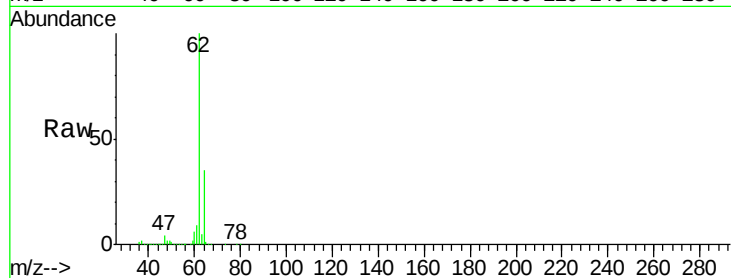
WP021IW454-180628

Tot Ion: 62 Resp: 9674924

Ion Ratio Lower Upper

62 100

64 35.3 24.8 37.2



#5

Bromomethane

Concen: 0.51 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.01 min

Lab File: VU025222.D

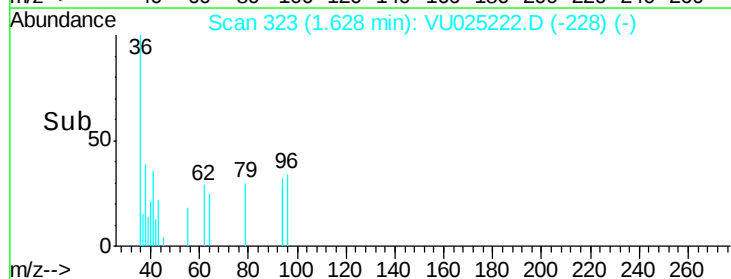
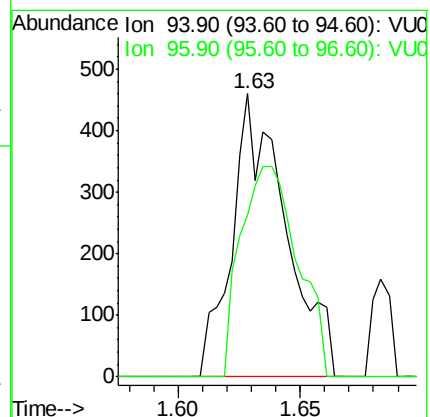
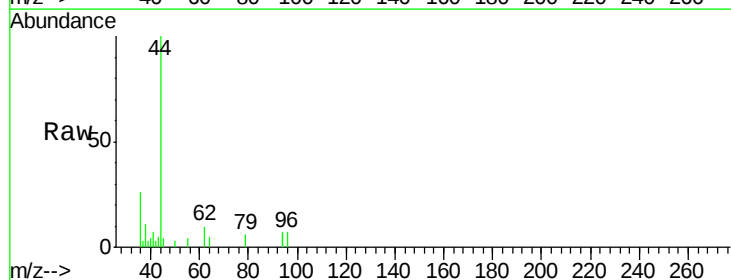
Acq: 05 Jul 2018 17:52

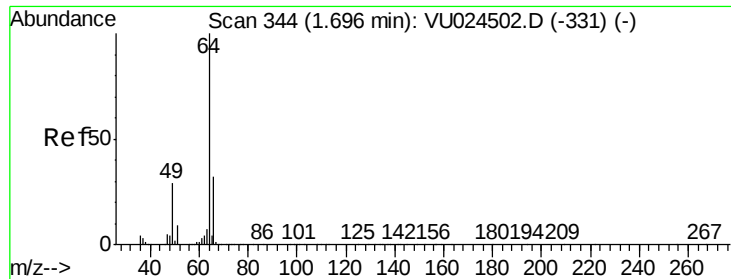
Tgt Ion: 94 Resp: 702

Ion Ratio Lower Upper

94 100

96 57.0 74.5 111.7#





#6

Chloroethane

Concen: 95.79 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

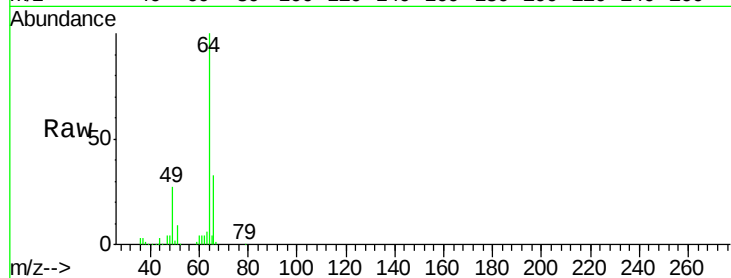
WP021IW454-180628

Tot Ion: 64 Resp: 151349

Ion Ratio Lower Upper

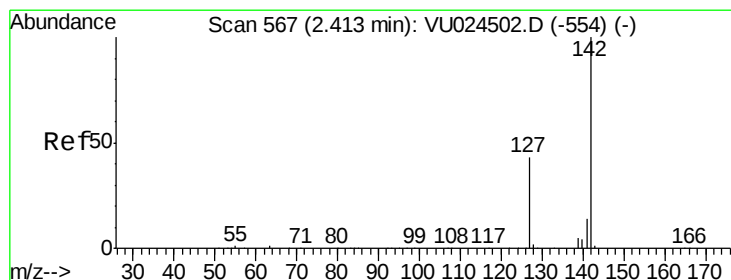
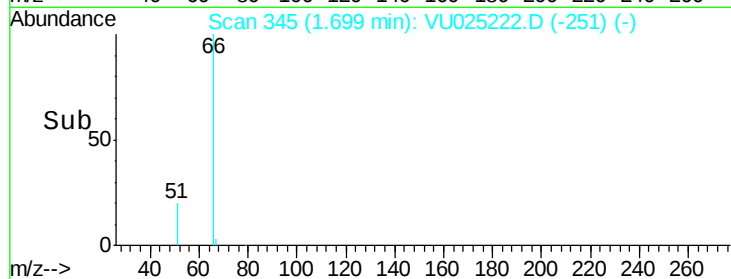
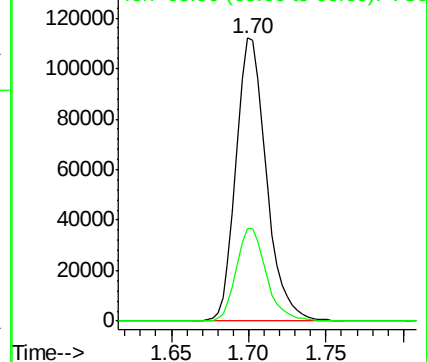
64 100

66 32.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU0

Ion 65.90 (65.60 to 66.60): VU0



#10

Methyl Iodide

Concen: 5.34 ug/l

RT: 2.42 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

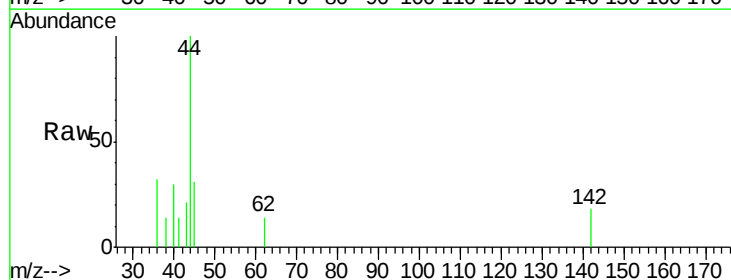
Tgt Ion: 142 Resp: 144

Ion Ratio Lower Upper

142 100

127 13.2 35.6 53.4#

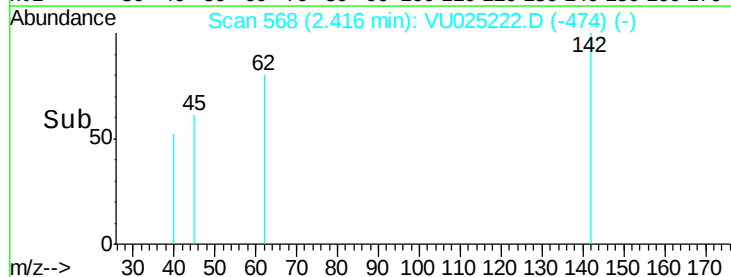
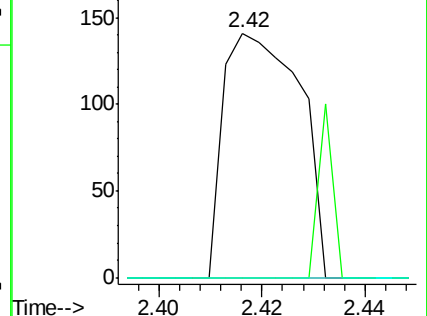
141 0.0 11.7 17.5#

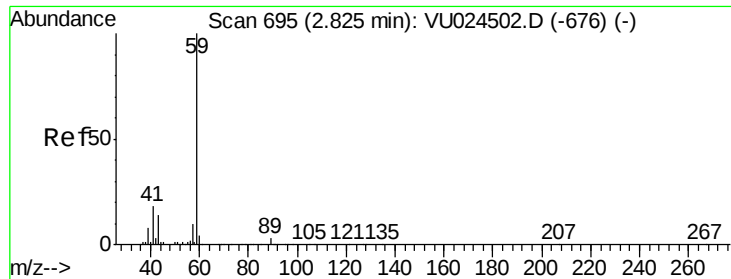


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

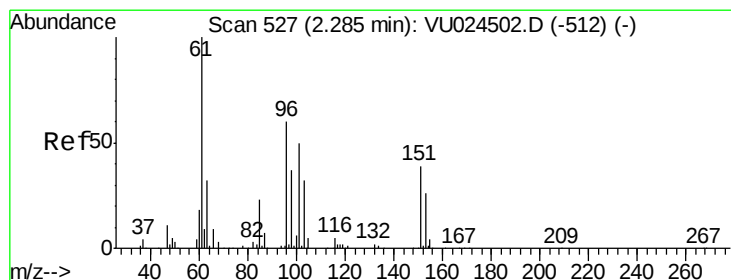
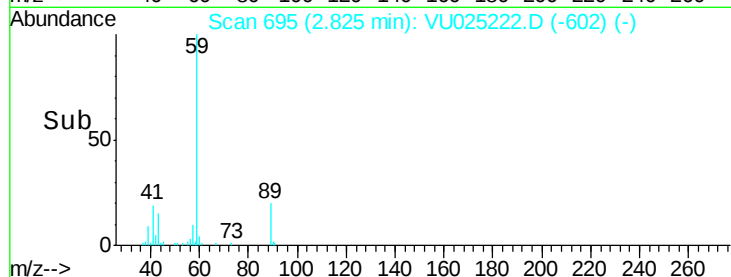
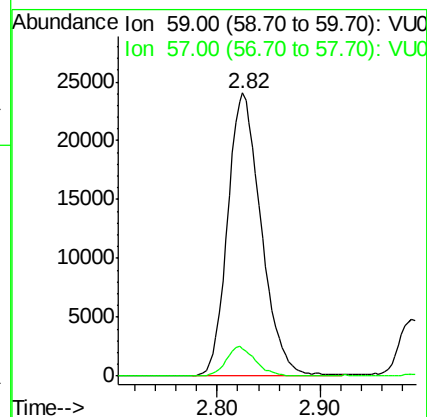
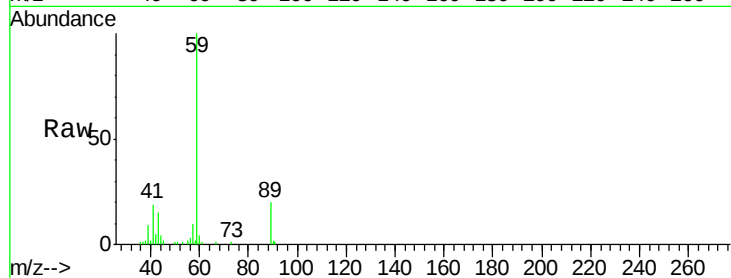




#11
Tert butyl alcohol
Concen: 63.38 ug/l
RT: 2.82 min Scan# 695
Delta R.T. -0.00 min
Lab File: VU025222.D
Acq: 05 Jul 2018 17:52

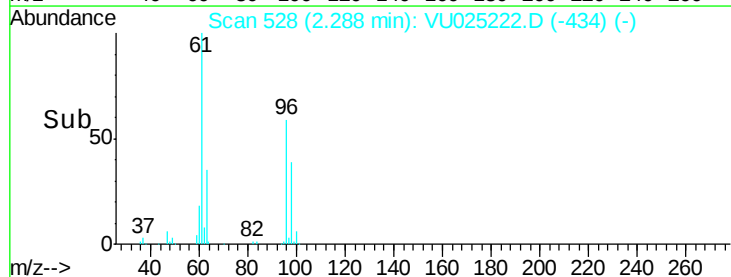
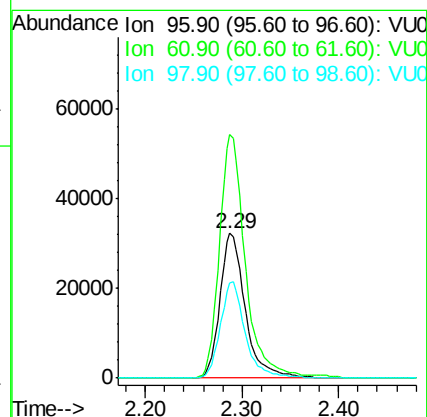
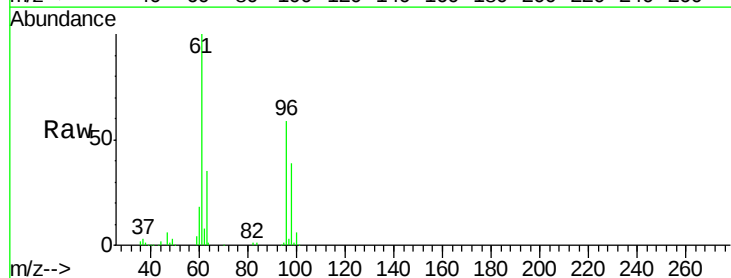
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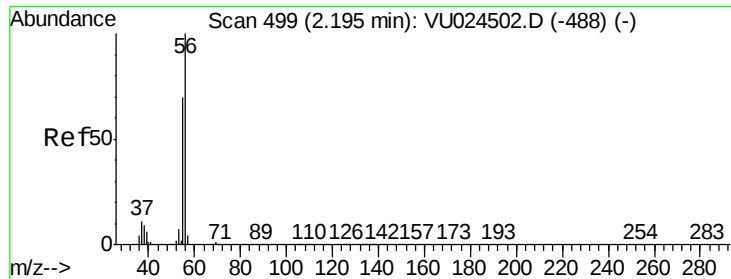
Tot Ion: 59 Resp: 54508
Ion Ratio Lower Upper
59 100
57 9.0 8.5 12.7



#12
1,1-Dichloroethene
Concen: 23.86 ug/l
RT: 2.29 min Scan# 528
Delta R.T. 0.00 min
Lab File: VU025222.D
Acq: 05 Jul 2018 17:52

Tgt Ion: 96 Resp: 58842
Ion Ratio Lower Upper
96 100
61 168.1 141.7 212.5
98 65.8 51.6 77.4





#13

Acrolein

Concen: 0.74 ug/l

RT: 2.19 min Scan# 499

Delta R.T. -0.00 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

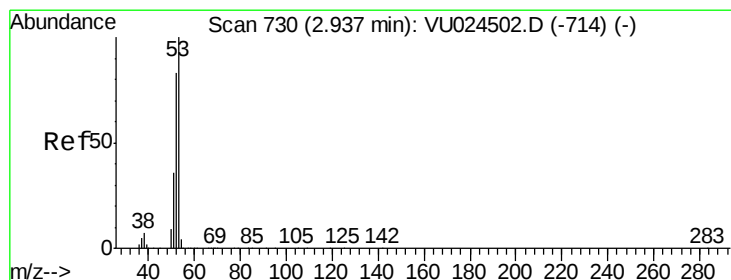
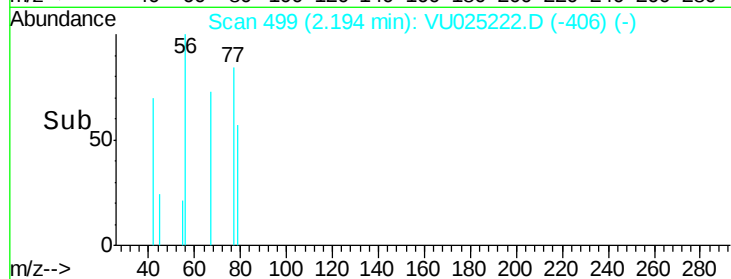
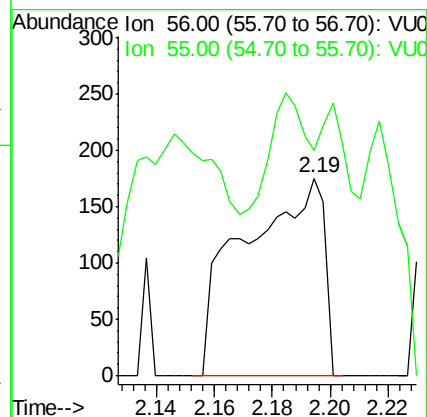
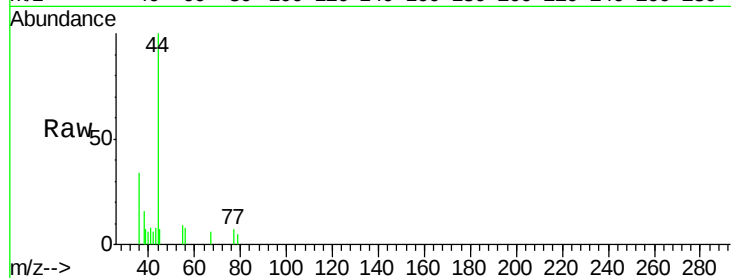
WP021IW454-180628

Tot Ion: 56 Resp: 334

Ion Ratio Lower Upper

56 100

55 26.0 58.4 87.6#



#15

Acrylonitrile

Concen: 0.30 ug/l

RT: 2.82 min Scan# 694

Delta R.T. -0.12 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

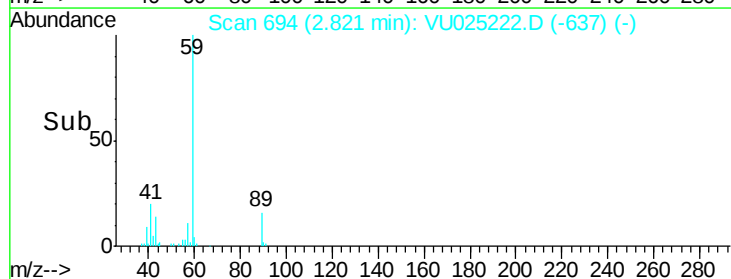
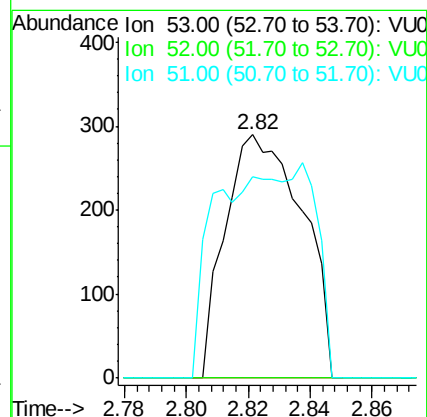
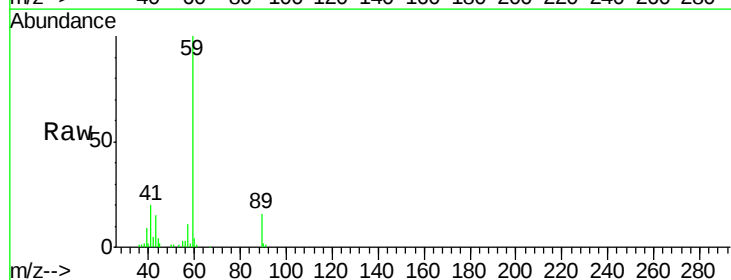
Tgt Ion: 53 Resp: 502

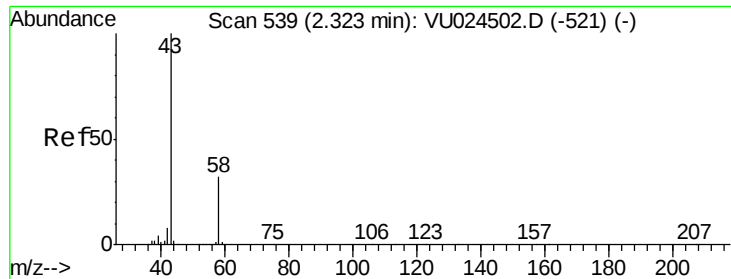
Ion Ratio Lower Upper

53 100

52 0.0 67.1 100.7#

51 31.5 28.4 42.6





#16

Acetone

Concen: 1.79 ug/l

RT: 2.32 min Scan# 538

Delta R.T. -0.00 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

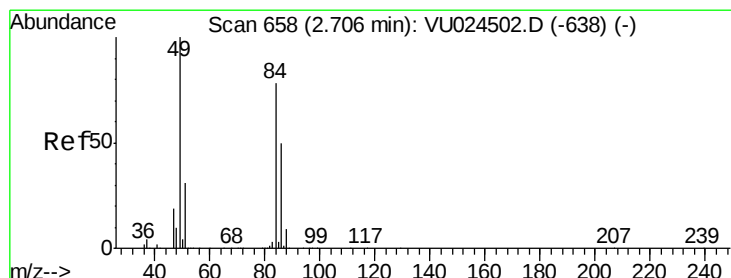
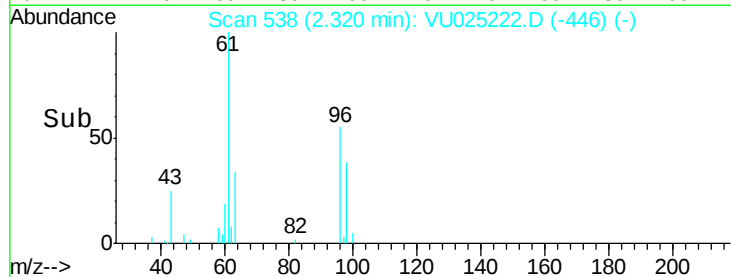
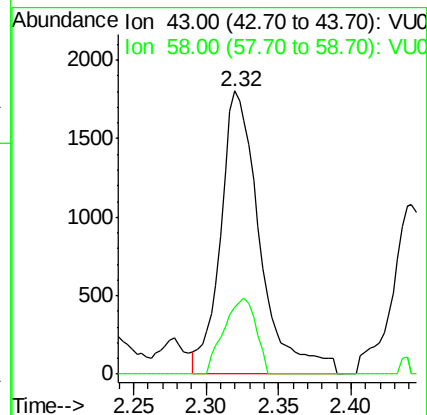
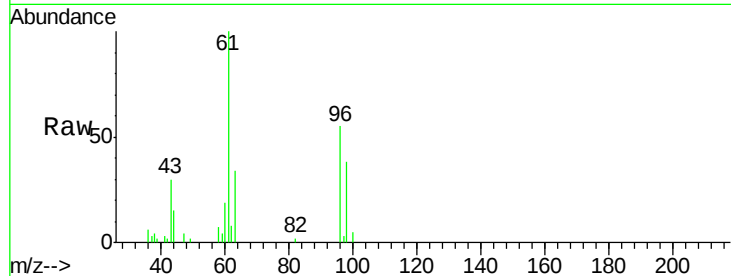
WP021IW454-180628

Tot Ion: 43 Resp: 3394

Ion Ratio Lower Upper

43 100

58 23.5 24.4 36.6#



#20

Methylene Chloride

Concen: 0.22 ug/l

RT: 2.70 min Scan# 656

Delta R.T. -0.01 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Tgt Ion: 84 Resp: 652

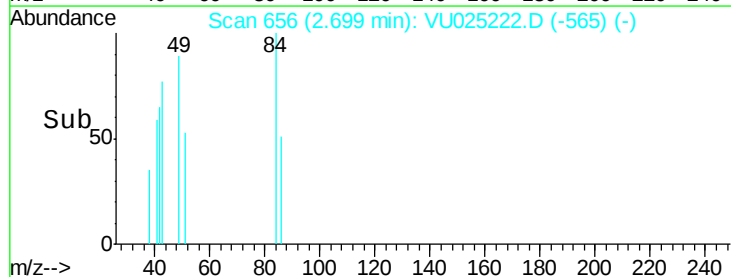
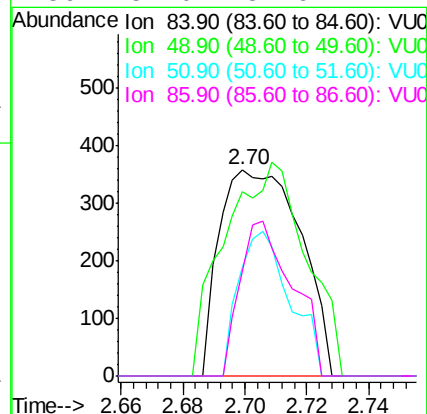
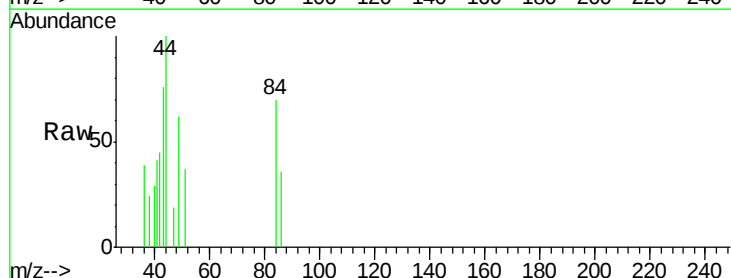
Ion Ratio Lower Upper

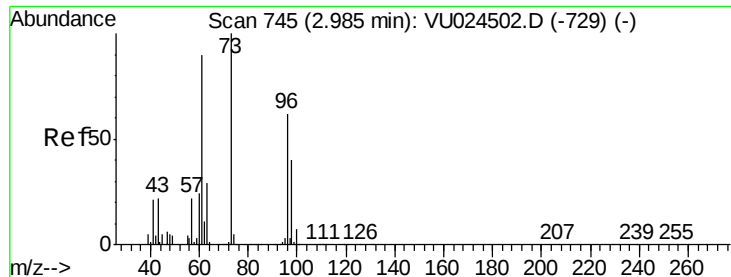
84 100

49 89.1 103.8 155.8#

51 52.9 32.0 48.0#

86 51.0 51.6 77.4#





#21

trans-1,2-Dichloroethene

Concen: 80.27 ug/l

RT: 2.99 min Scan# 747

Delta R.T. 0.01 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

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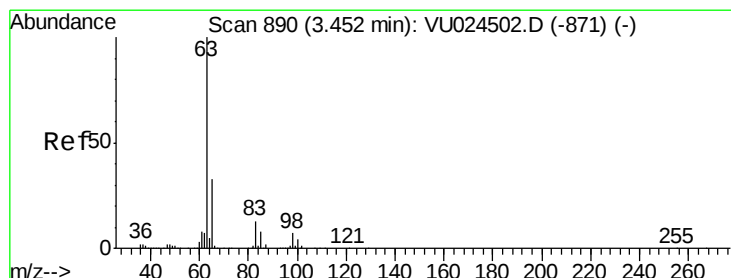
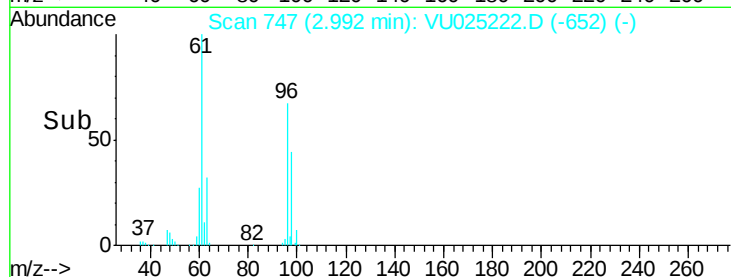
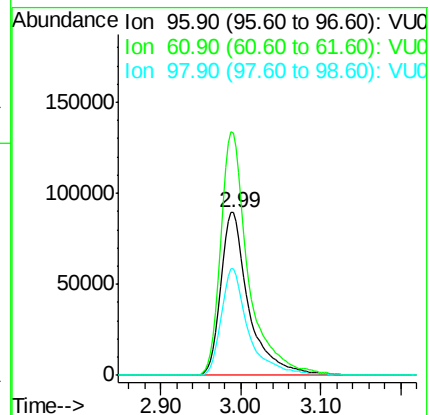
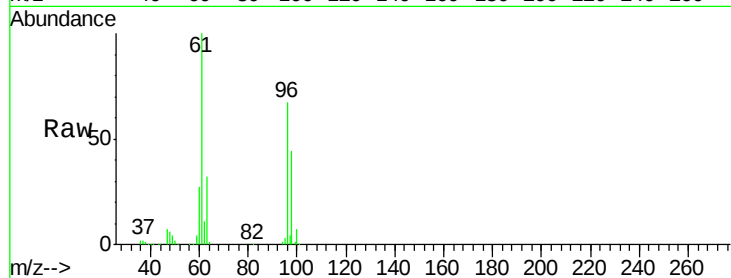
Tot Ion: 96 Resp: 218043

Ion Ratio Lower Upper

96 100

61 148.7 119.4 179.0

98 65.8 51.1 76.7



#24

1,1-Dichloroethane

Concen: 58.34 ug/l

RT: 3.45 min Scan# 891

Delta R.T. 0.00 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

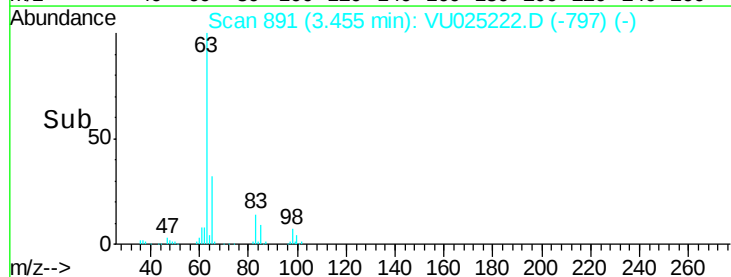
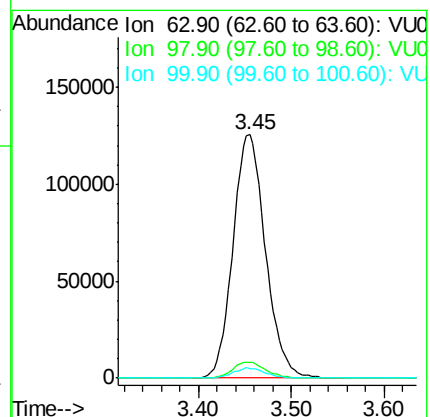
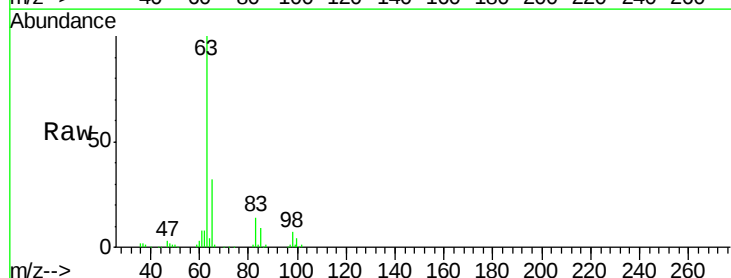
Tgt Ion: 63 Resp: 304644

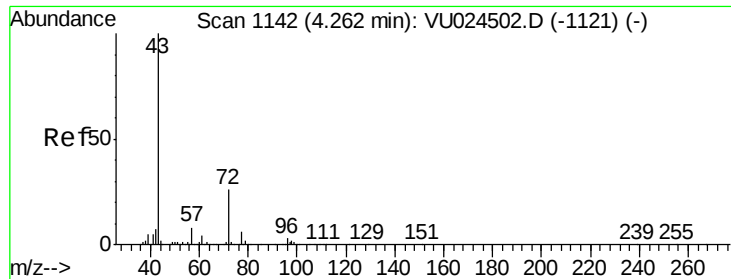
Ion Ratio Lower Upper

63 100

98 6.6 3.5 10.4

100 4.1 1.8 5.5





#25

2-Butanone

Concen: 0.86 ug/l

RT: 4.21 min Scan# 1127

Delta R.T. -0.05 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

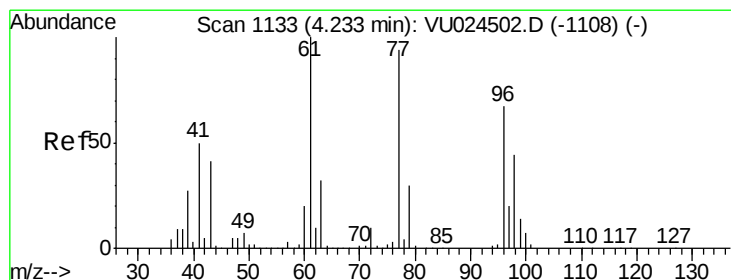
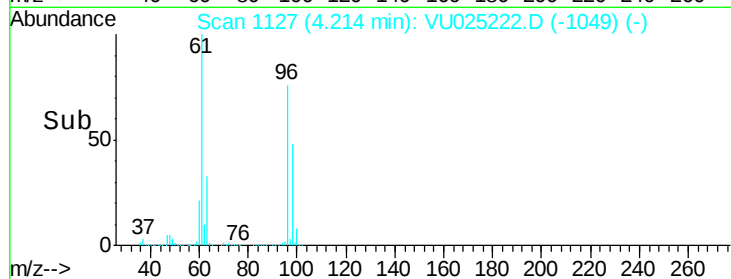
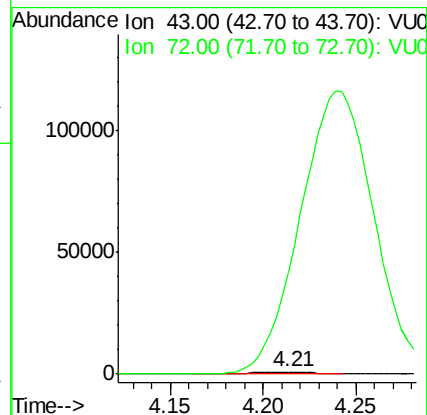
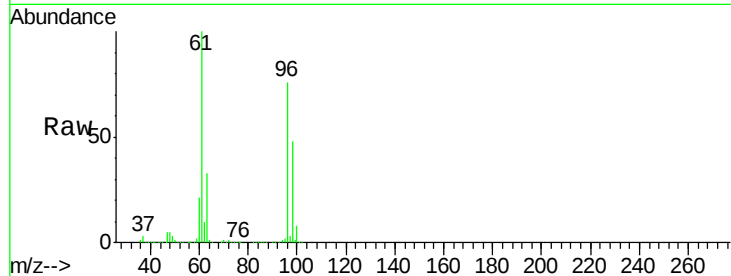
WP021IW454-180628

Tot Ion: 43 Resp: 2200

Ion Ratio Lower Upper

43 100

72 5325.5 19.6 29.4#



#26

2,2-Dichloropropane

Concen: 0.49 ug/l

RT: 4.19 min Scan# 1121

Delta R.T. -0.04 min

Lab File: VU025222.D

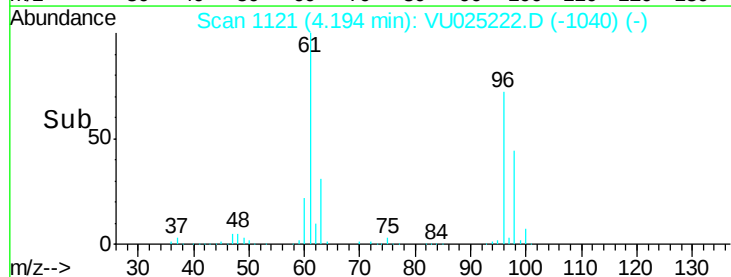
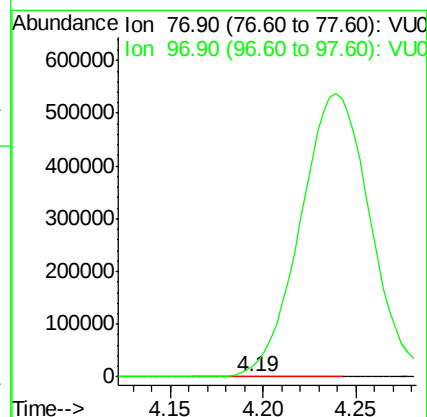
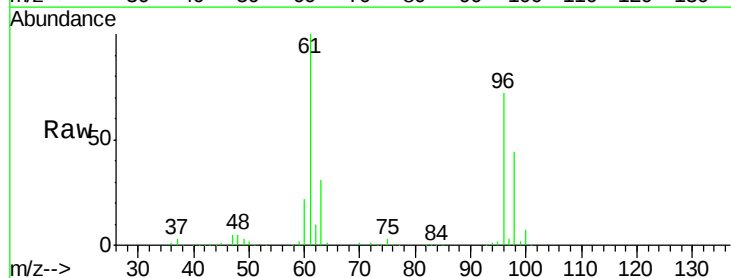
Acq: 05 Jul 2018 17:52

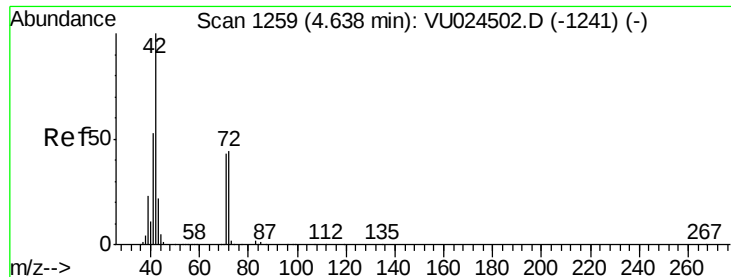
Tgt Ion: 77 Resp: 2434

Ion Ratio Lower Upper

77 100

97 0.0 11.3 33.8#

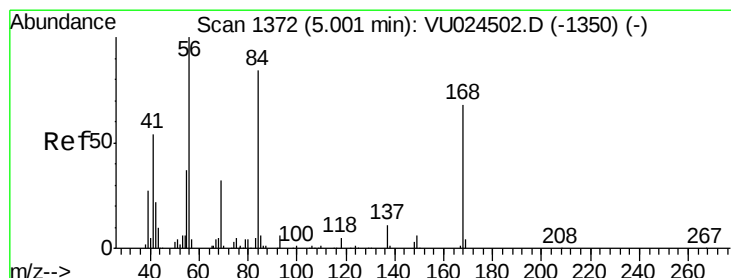
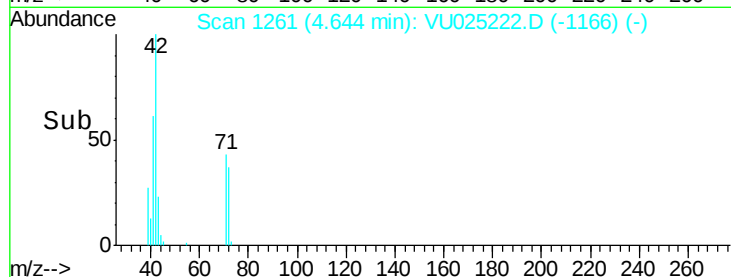
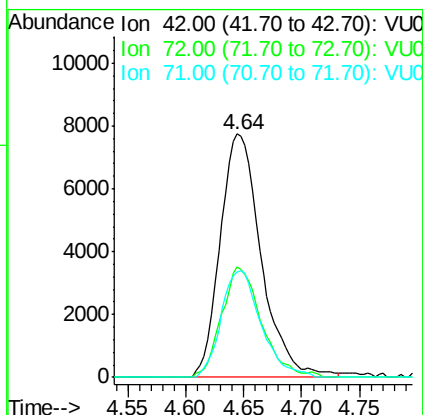
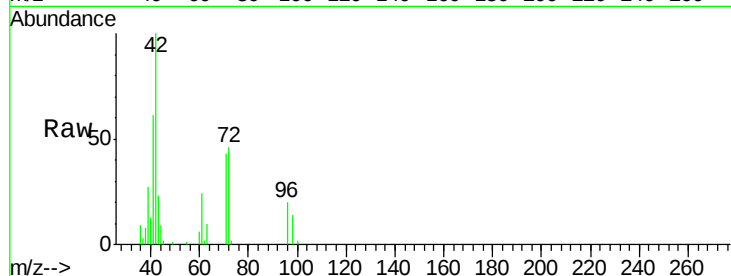




#29
Tetrahydrofuran
Concen: 12.00 ug/l
RT: 4.64 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VU025222.D
Acq: 05 Jul 2018 17:52

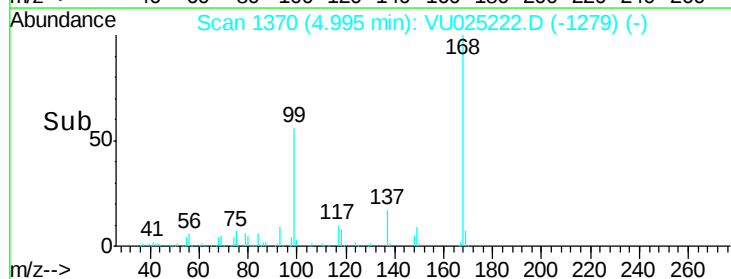
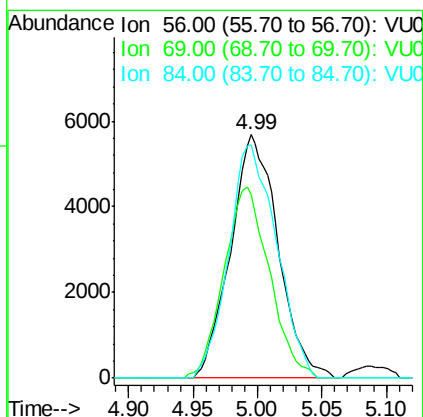
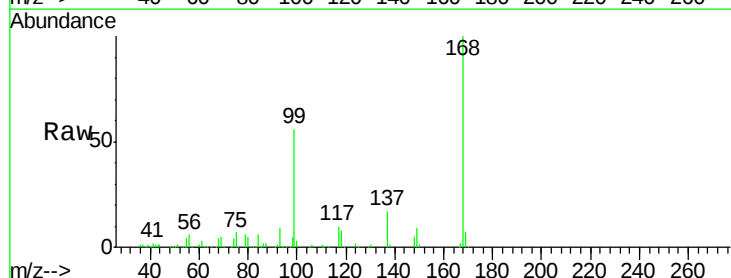
Instrument :
MSVOA_U
ClientSampleId :
WP021IW454-180628

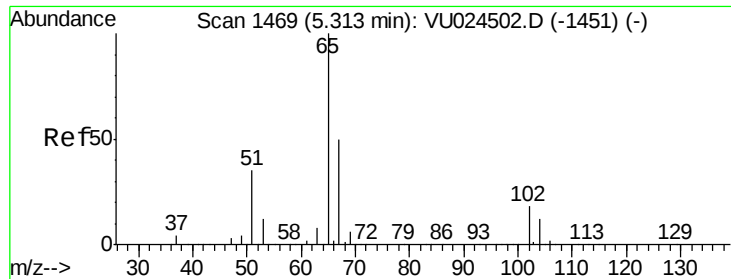
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	34.5	51.7
71	42.7	32.2	48.4



#31
Cyclohexane
Concen: 1.21 ug/l
RT: 4.99 min Scan# 1370
Delta R.T. -0.01 min
Lab File: VU025222.D
Acq: 05 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
56	100		
69	75.2	24.8	37.2#
84	95.8	65.2	97.8

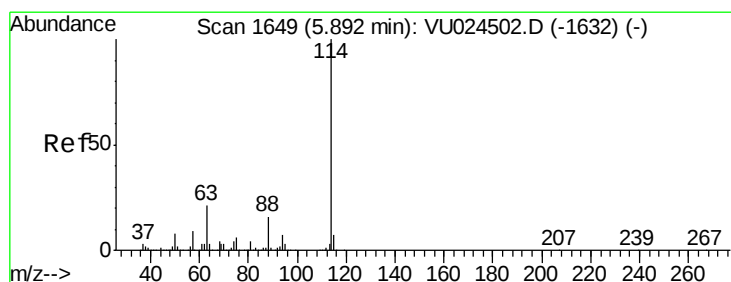
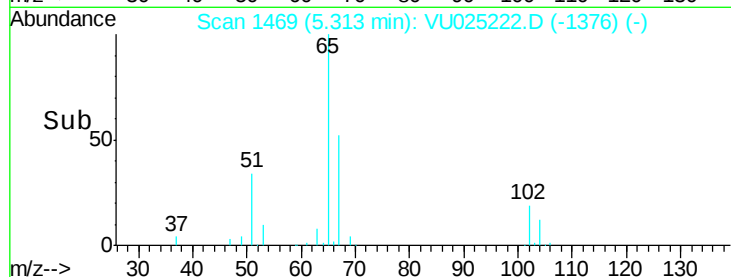
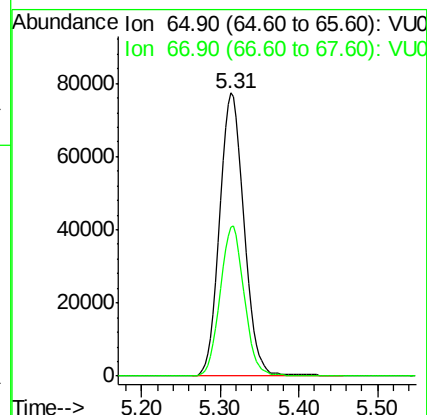
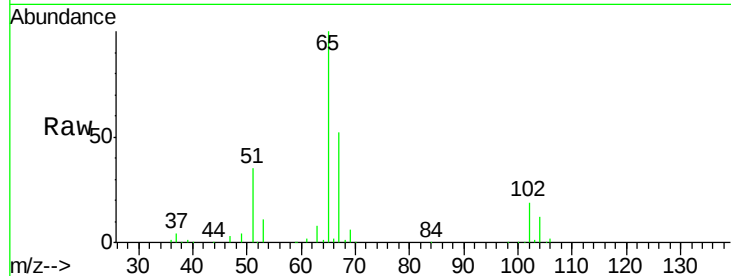




#33
 1,2-Dichloroethane-d4
 Concen: 46.97 ug/l
 RT: 5.31 min Scan# 1469
 Delta R.T. -0.00 min
 Lab File: VU025222.D
 Acq: 05 Jul 2018 17:52

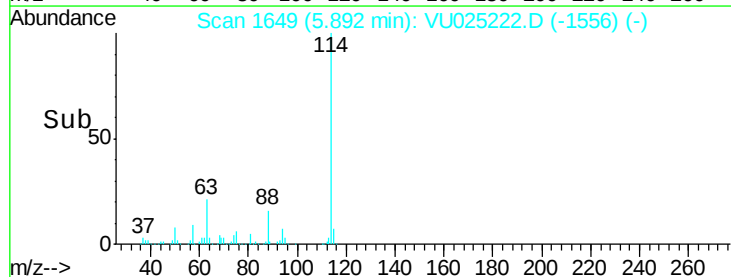
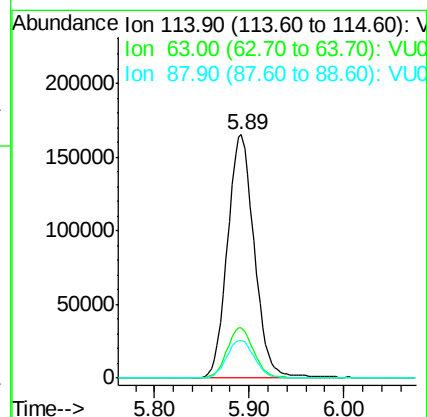
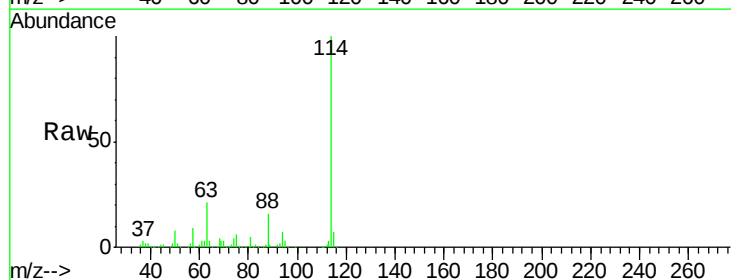
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW454-180628

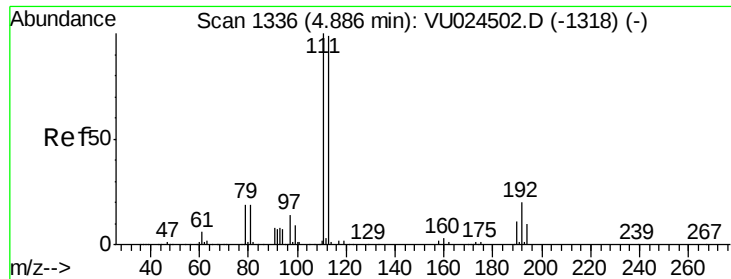
Tot Ion: 65 Resp: 166098
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 107.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.89 min Scan# 1649
 Delta R.T. -0.00 min
 Lab File: VU025222.D
 Acq: 05 Jul 2018 17:52

Tgt Ion: 114 Resp: 326221
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 45.4
 88 15.7 0.0 31.0

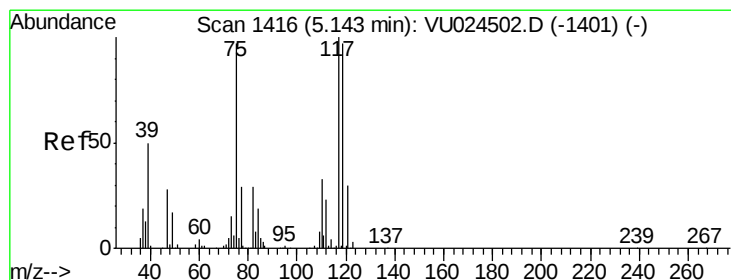
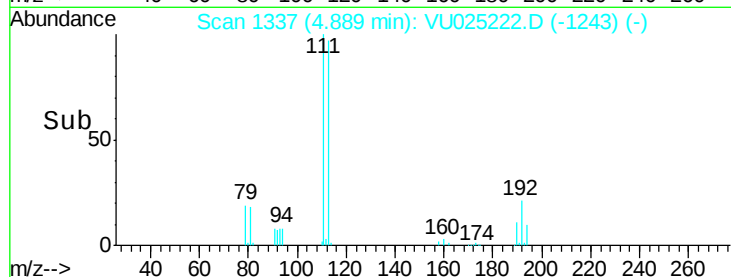
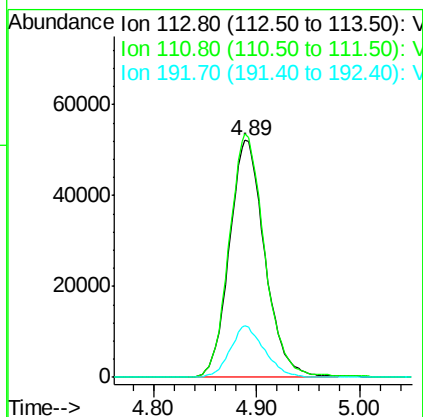
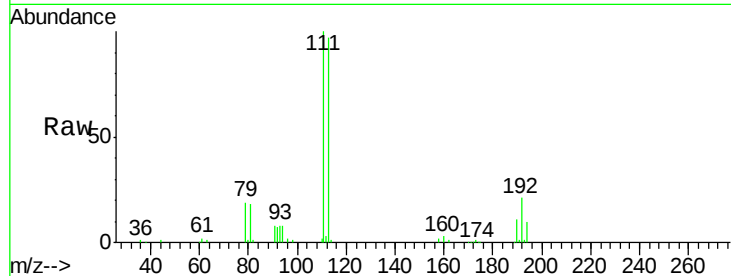




#35
 Dibromofluoromethane
 Concen: 46.04 ug/l
 RT: 4.89 min Scan# 1337
 Delta R.T. 0.00 min
 Lab File: VU025222.D
 Acq: 05 Jul 2018 17:52

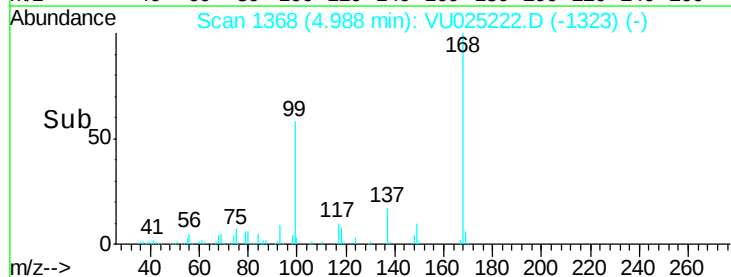
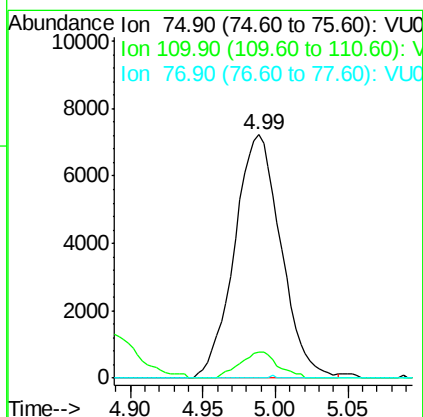
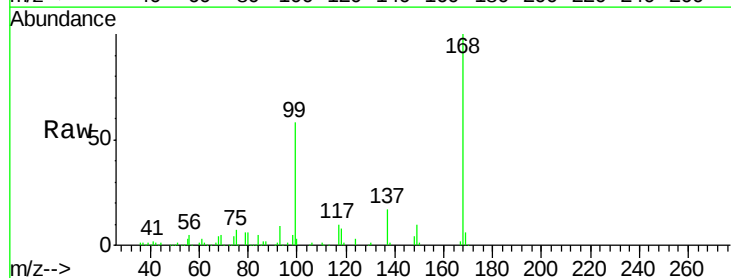
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW454-180628

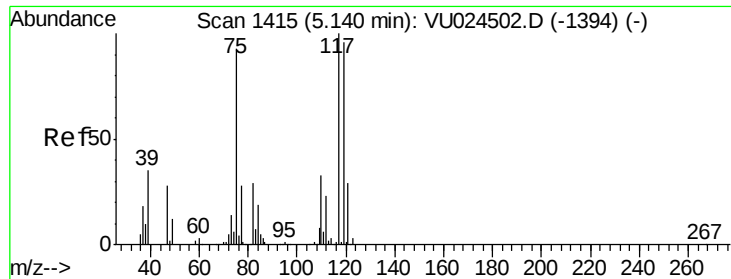
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.2	123.4
192	21.0	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 4.20 ug/l
 RT: 4.99 min Scan# 1368
 Delta R.T. -0.15 min
 Lab File: VU025222.D
 Acq: 05 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.7	17.0	50.9#
77	0.0	24.2	36.4#

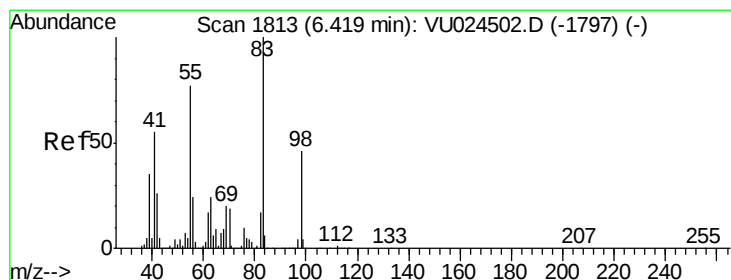
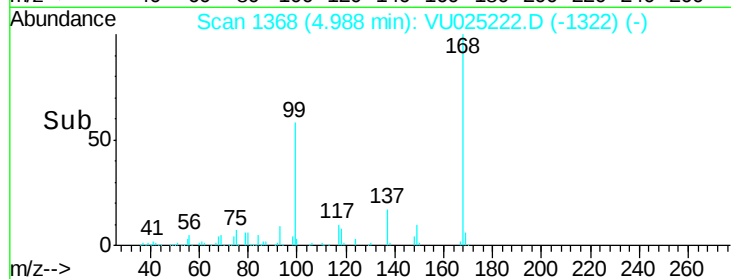
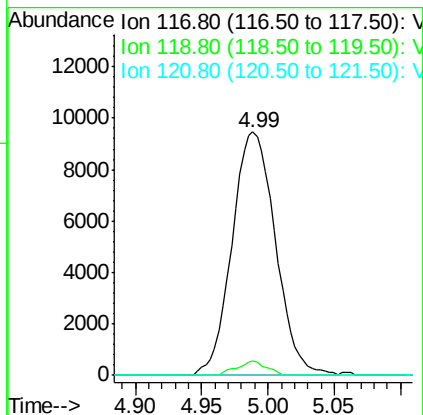
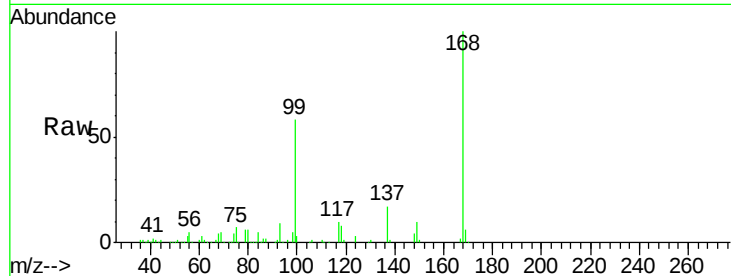




#38
Carbon Tetrachloride
Concen: 5.11 ug/l
RT: 4.99 min Scan# 1368
Delta R.T. -0.15 min
Lab File: VU025222.D
Acq: 05 Jul 2018 17:52

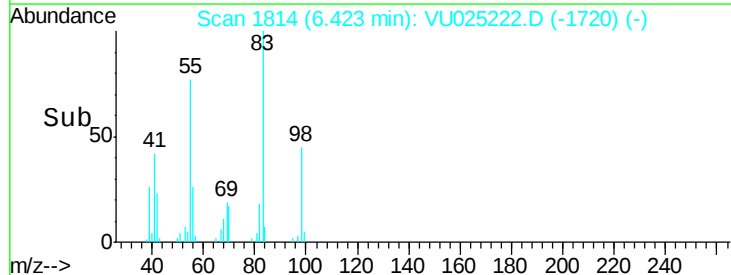
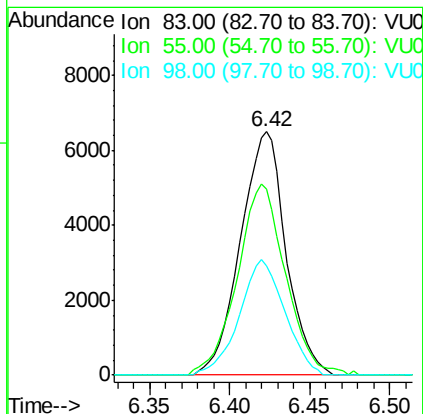
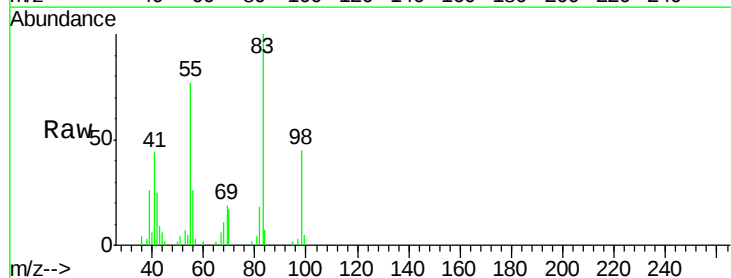
Instrument :
MSVOA_U
ClientSampleId :
WP021IW454-180628

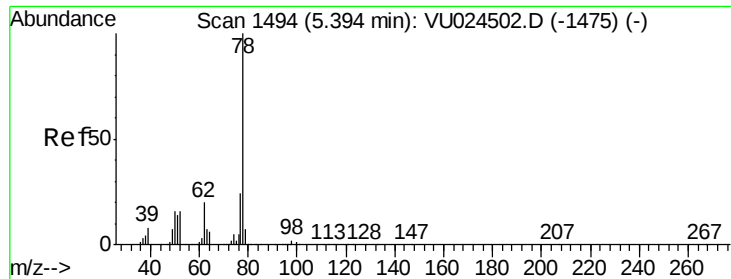
Tot Ion:117 Resp: 21552
Ion Ratio Lower Upper
117 100
119 5.9 76.1 114.1#
121 0.0 23.7 35.5#



#39
Methylcyclohexane
Concen: 2.65 ug/l
RT: 6.42 min Scan# 1814
Delta R.T. 0.00 min
Lab File: VU025222.D
Acq: 05 Jul 2018 17:52

Tgt Ion: 83 Resp: 12655
Ion Ratio Lower Upper
83 100
55 76.5 65.8 98.6
98 45.1 36.7 55.1





#40

Benzene

Concen: 20.94 ug/l

RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

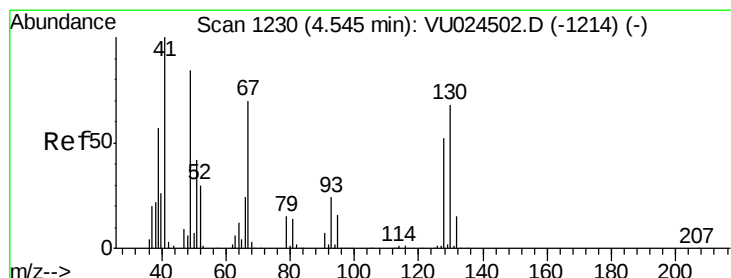
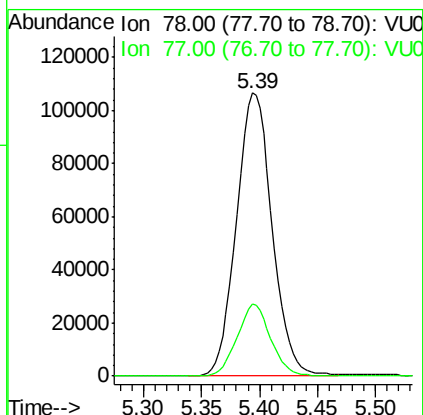
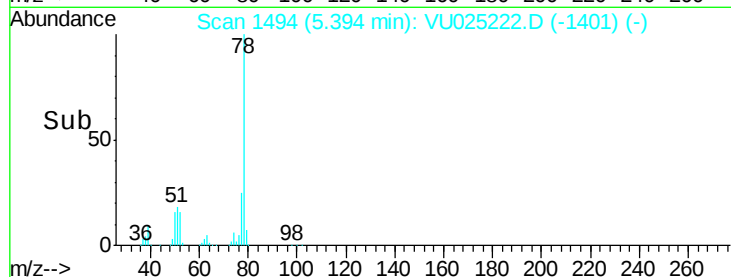
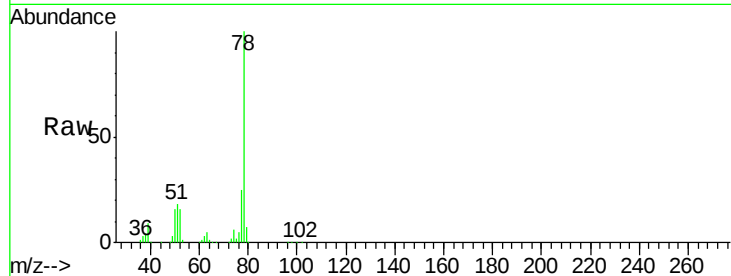
WP021IW454-180628

Tot Ion: 78 Resp: 228746

Ion Ratio Lower Upper

78 100

77 25.4 19.2 28.8



#41

Methacrylonitrile

Concen: 5.05 ug/l

RT: 4.65 min Scan# 1262

Delta R.T. 0.10 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Tgt Ion: 41 Resp: 11376

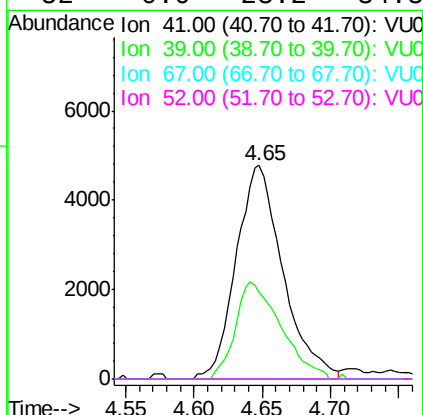
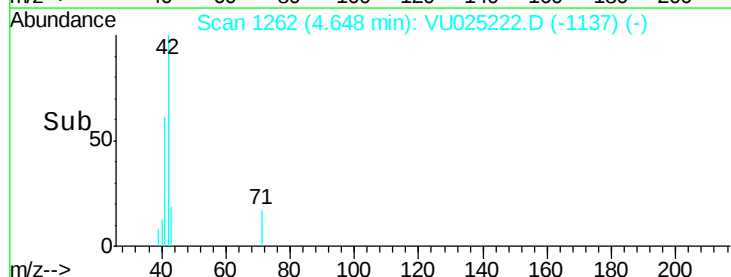
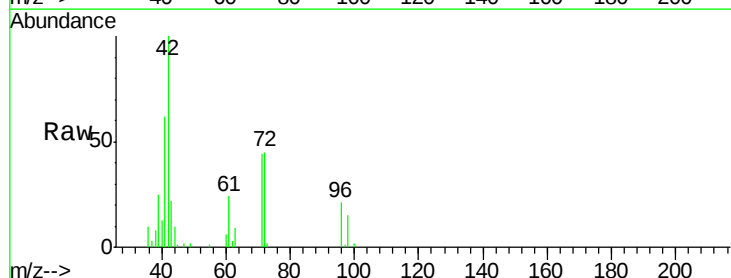
Ion Ratio Lower Upper

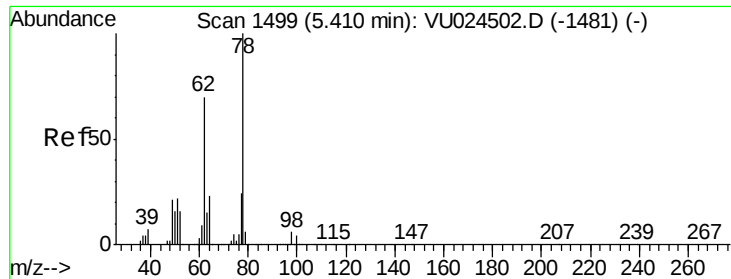
41 100

39 44.1 43.8 65.6

67 0.0 56.3 84.5#

52 0.0 23.2 34.8#





#42

1,2-Dichloroethane

Concen: 3.75 ug/l

RT: 5.41 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

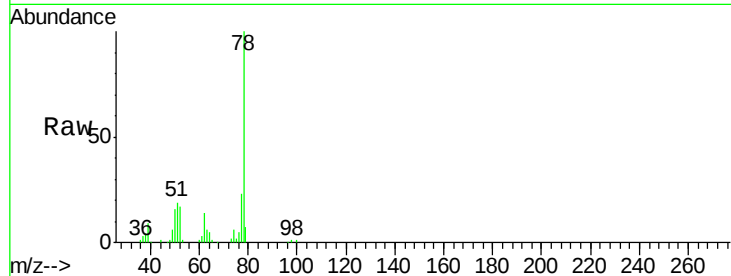
WP021IW454-180628

Tot Ion: 62 Resp: 15595

Ion Ratio Lower Upper

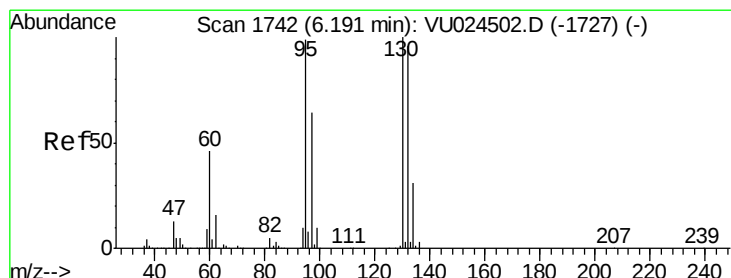
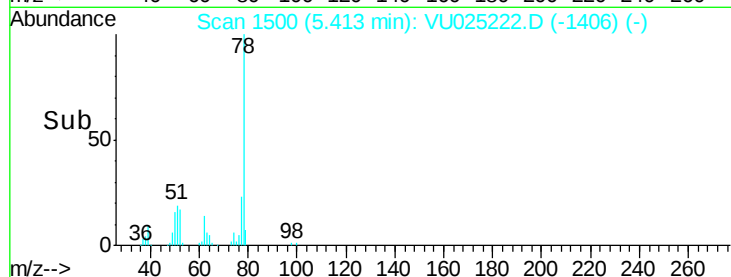
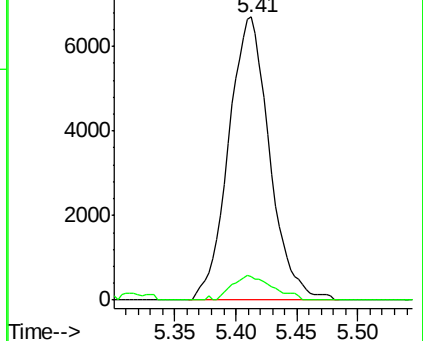
62 100

98 8.5 0.0 16.6



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#44

Trichloroethene

Concen: 156.98 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU025222.D

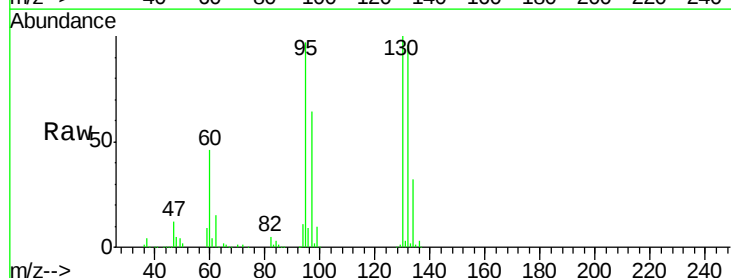
Acq: 05 Jul 2018 17:52

Tgt Ion:130 Resp: 487983

Ion Ratio Lower Upper

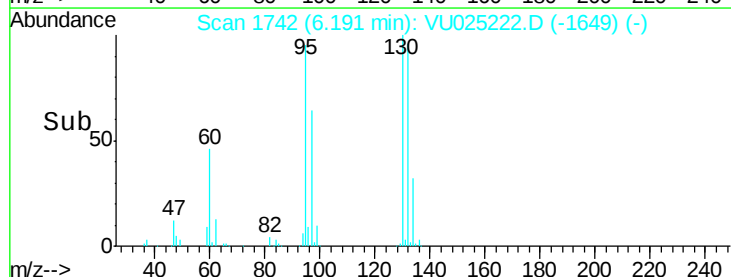
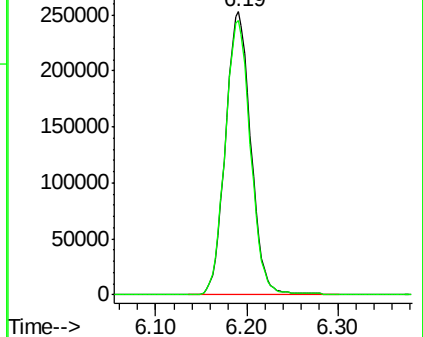
130 100

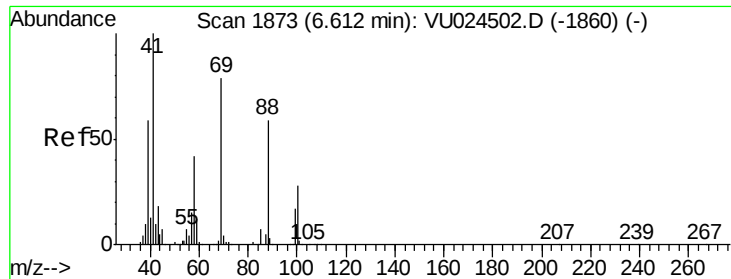
95 97.0 0.0 202.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VU0

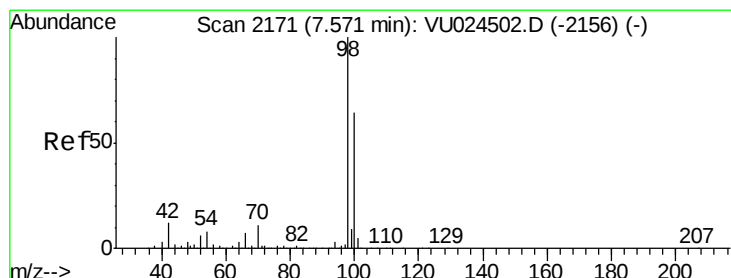
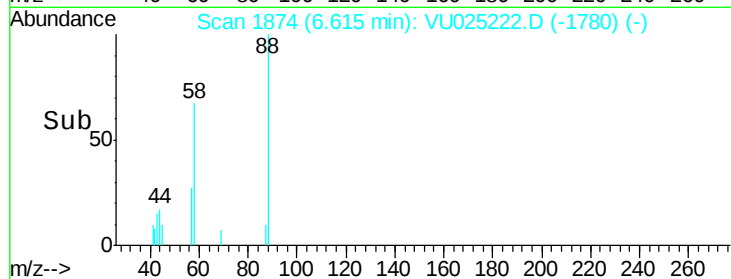
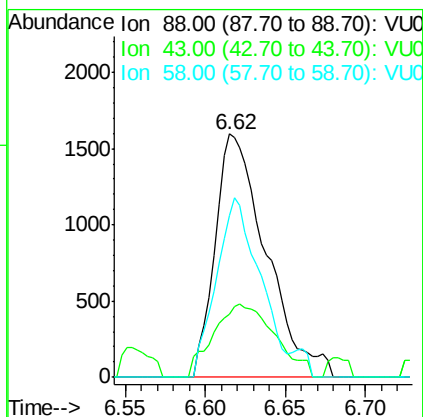
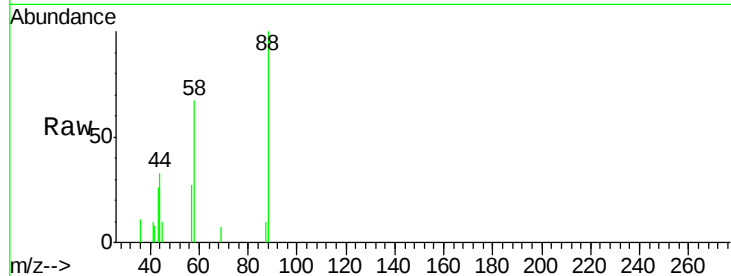




#49
 1,4-Dioxane
 Concen: 50.75 ug/l
 RT: 6.62 min Scan# 1874
 Delta R.T. 0.00 min
 Lab File: VU025222.D
 Acq: 05 Jul 2018 17:52

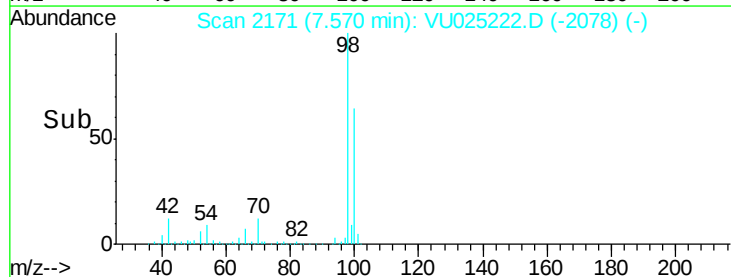
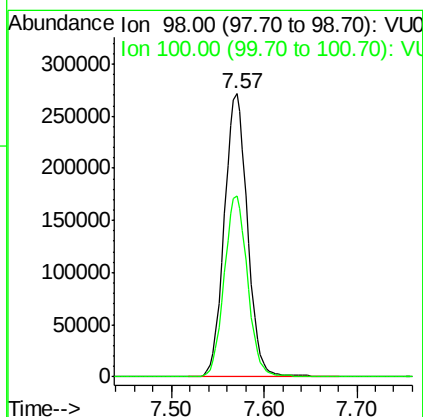
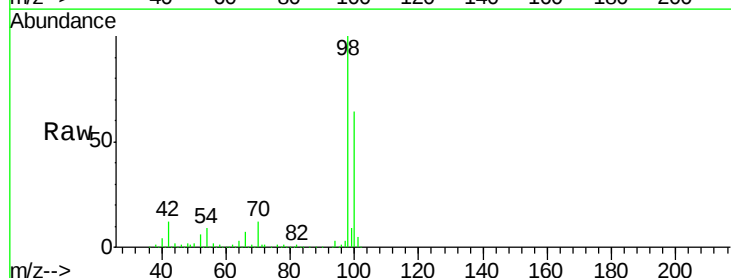
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW454-180628

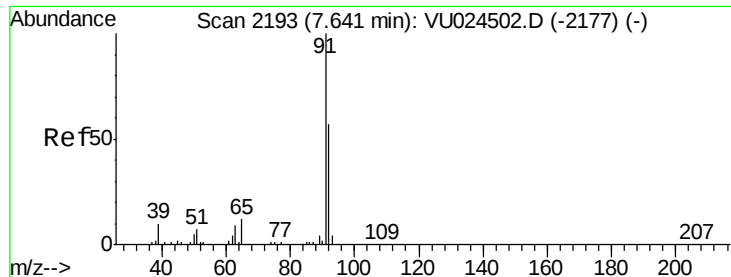
Tot Ion: 88 Resp: 3490
 Ion Ratio Lower Upper
 88 100
 43 36.2 28.6 42.8
 58 62.6 58.2 87.4



#50
 Toluene-d8
 Concen: 47.64 ug/l
 RT: 7.57 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VU025222.D
 Acq: 05 Jul 2018 17:52

Tgt Ion: 98 Resp: 470486
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.1 76.7





#52

Toluene

Concen: 3.62 ug/l

RT: 7.64 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

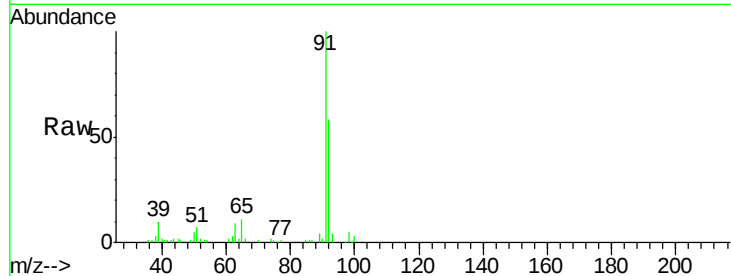
WP021IW454-180628

Tot Ion: 92 Resp: 25429

Ion Ratio Lower Upper

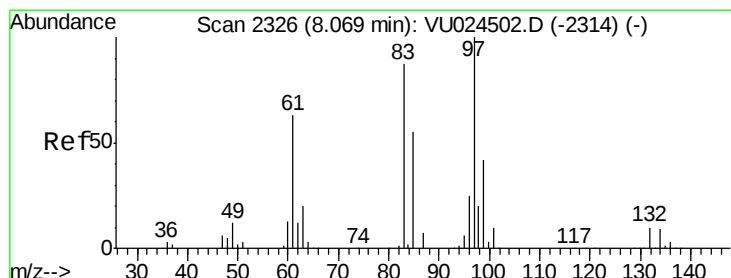
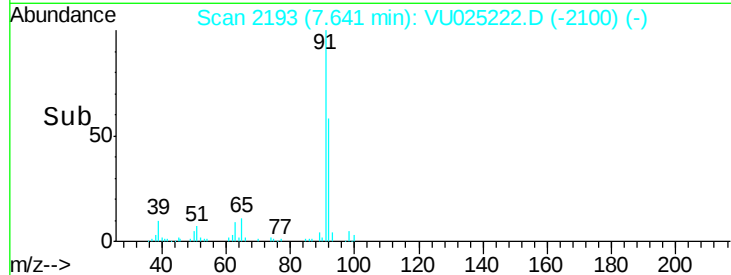
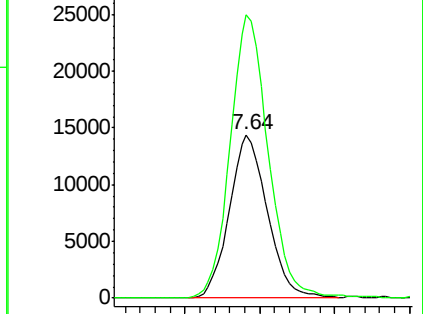
92 100

91 173.7 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#55

1,1,2-Trichloroethane

Concen: 0.54 ug/l

RT: 8.08 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Tgt Ion: 97 Resp: 1534

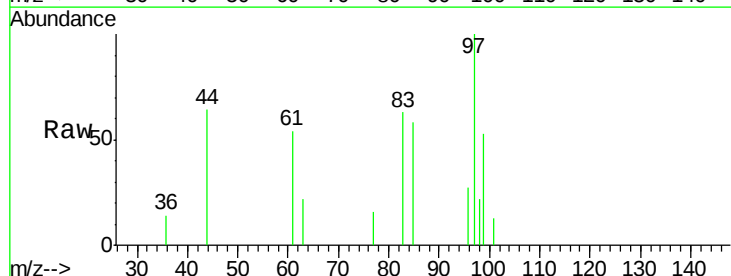
Ion Ratio Lower Upper

97 100

83 63.2 70.5 105.7#

85 58.1 46.4 69.6

99 52.5 50.2 75.2

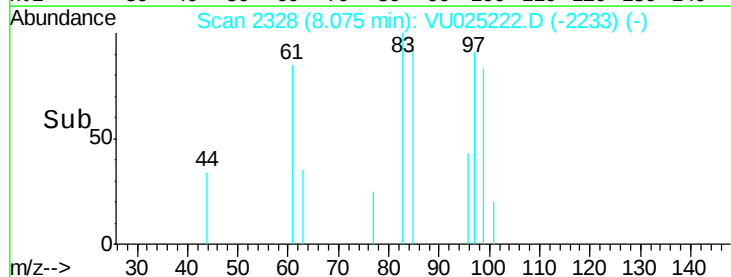
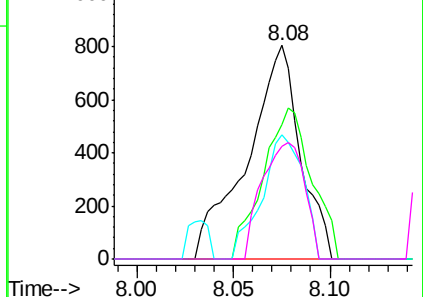


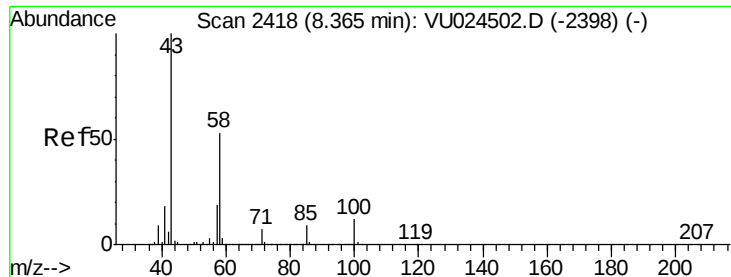
Abundance Ion 96.90 (96.60 to 97.60): VU0

Ion 82.90 (82.60 to 83.60): VU0

Ion 84.90 (84.60 to 85.60): VU0

Ion 98.90 (98.60 to 99.60): VU0

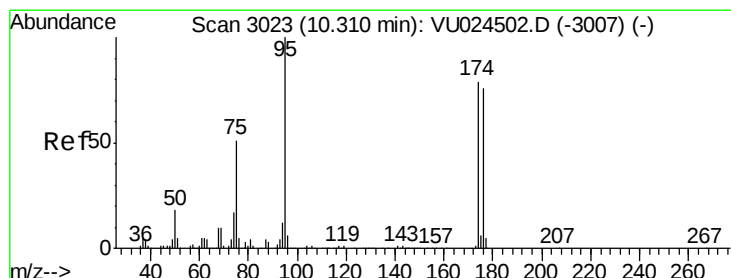
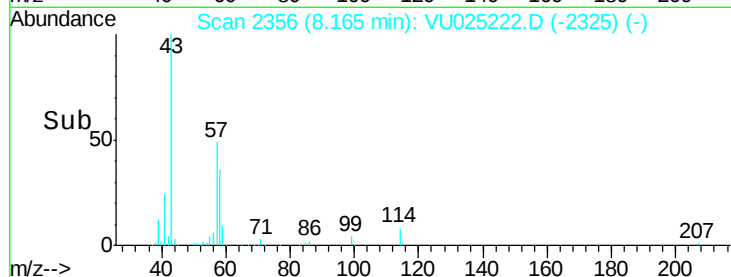
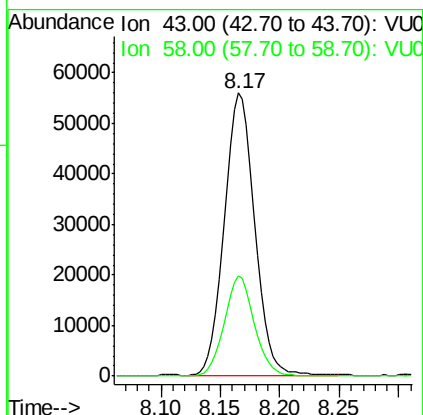
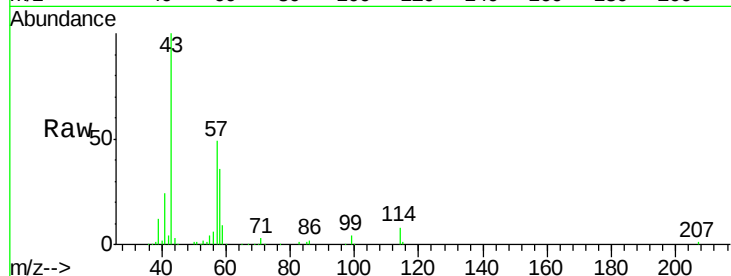




#59
2-Hexanone
Concen: 26.57 ug/l
RT: 8.17 min Scan# 2356
Delta R.T. -0.20 min
Lab File: VU025222.D
Acq: 05 Jul 2018 17:52

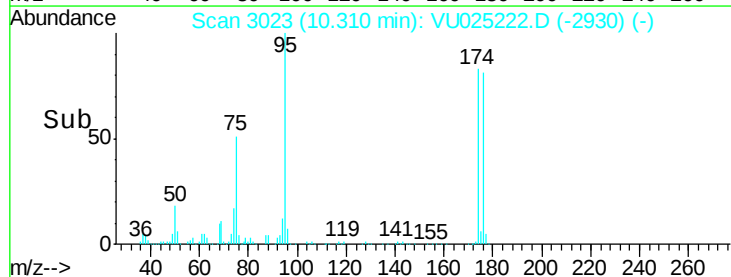
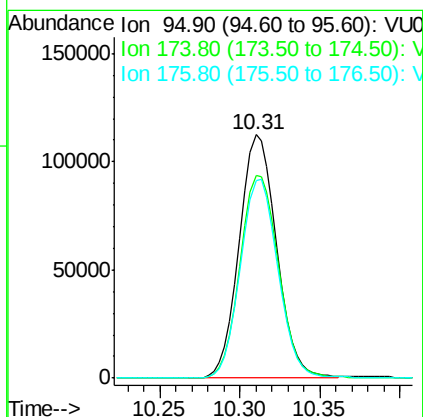
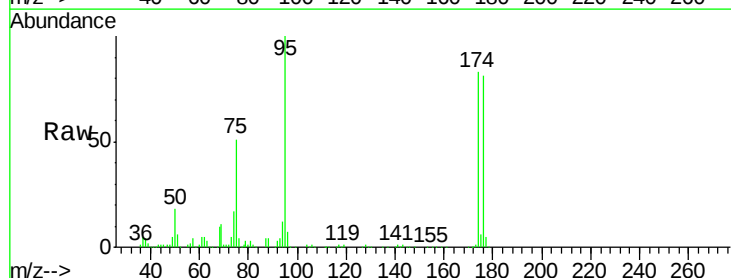
Instrument :
MSVOA_U
ClientSampleId :
WP021IW454-180628

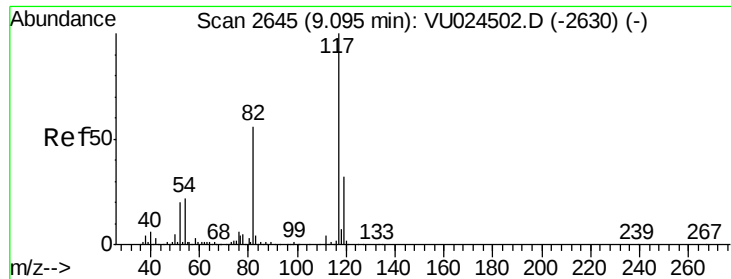
Tot Ion: 43 Resp: 98427
Ion Ratio Lower Upper
43 100
58 35.1 26.4 79.0



#62
4-Bromofluorobenzene
Concen: 45.61 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU025222.D
Acq: 05 Jul 2018 17:52

Tgt Ion: 95 Resp: 178846
Ion Ratio Lower Upper
95 100
174 86.3 0.0 165.8
176 82.7 0.0 159.4

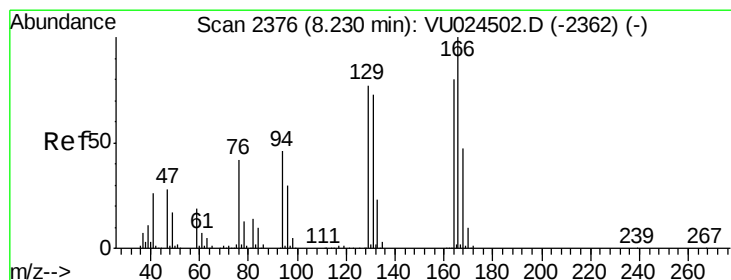
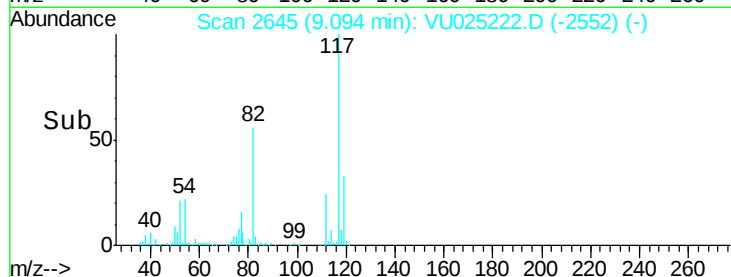
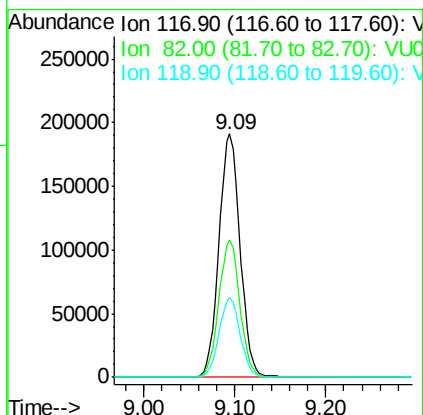
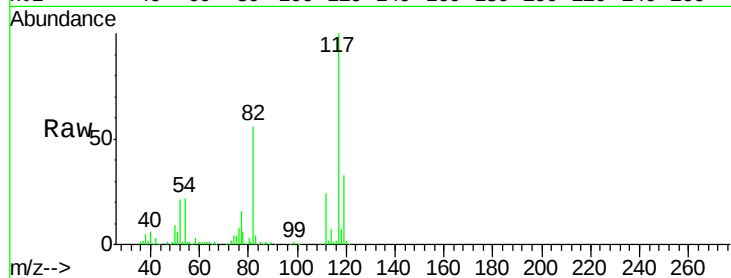




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU025222.D
Acq: 05 Jul 2018 17:52

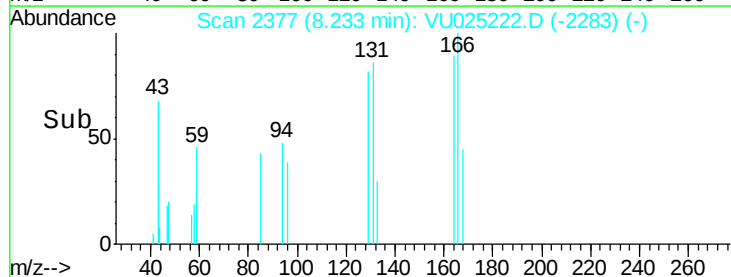
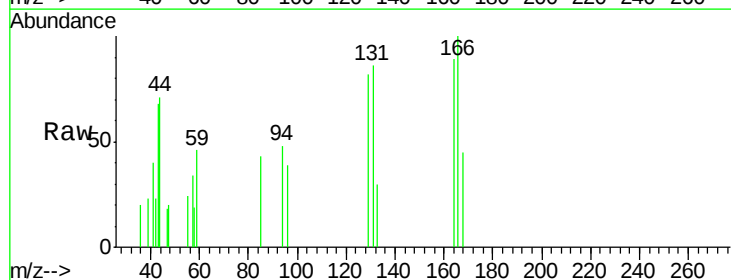
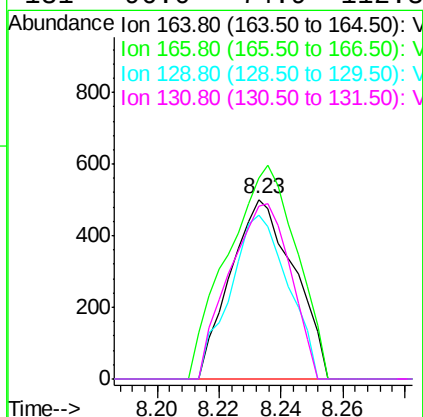
Instrument :
MSVOA_U
ClientSampleId :
WP021IW454-180628

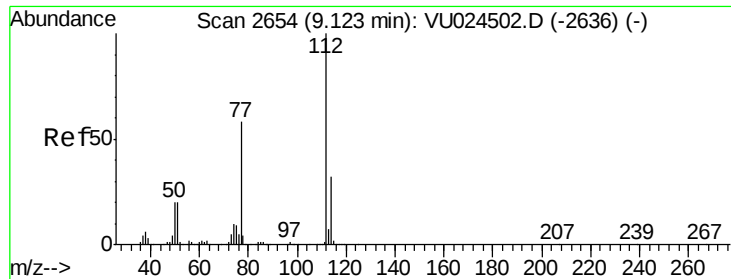
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.3	66.5
119	32.7	25.4	38.2



#64
Tetrachloroethene
Concen: 0.24 ug/l
RT: 8.23 min Scan# 2377
Delta R.T. 0.00 min
Lab File: VU025222.D
Acq: 05 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
164	100		
166	111.8	101.7	152.5
129	91.4	76.9	115.3
131	96.0	74.9	112.3

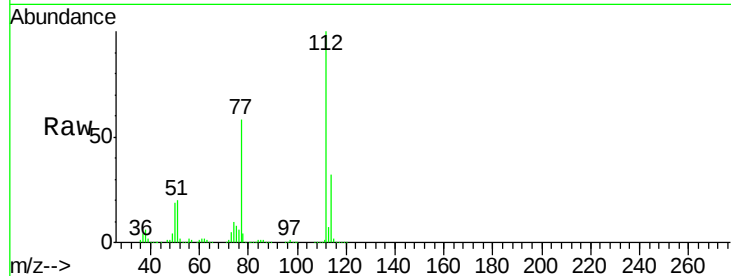




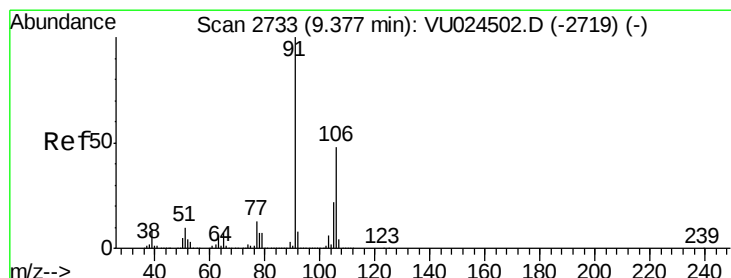
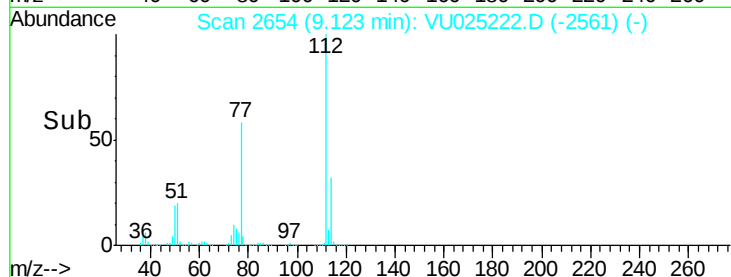
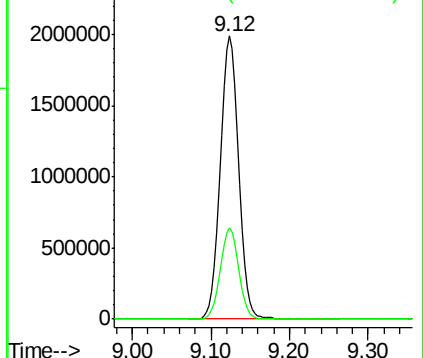
#65
Chlorobenzene
Concen: 403.60 ug/l
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU025222.D
Acq: 05 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
WP021IW454-180628

Tot Ion:112 Resp: 3188308
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4

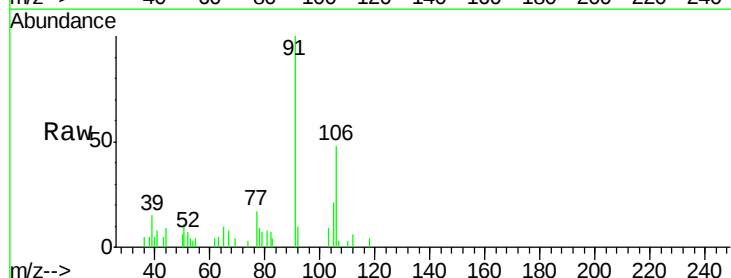


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

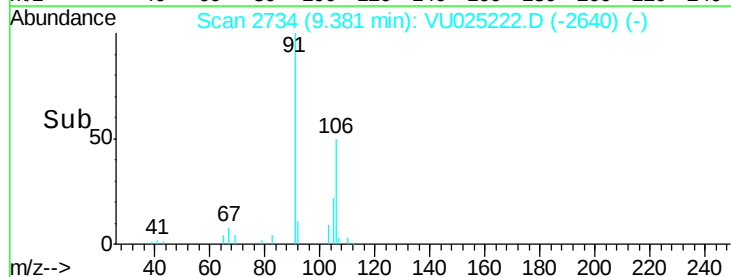
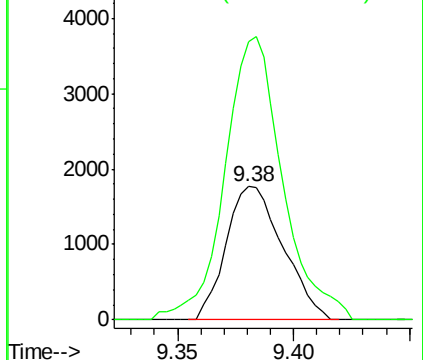


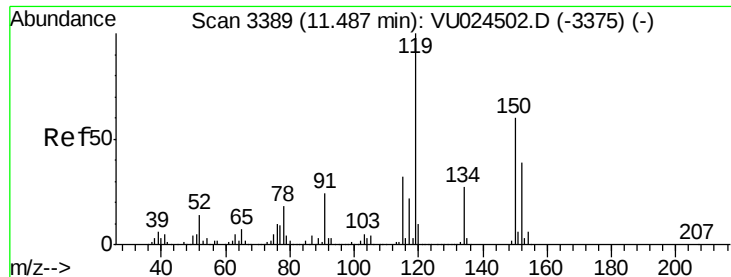
#68
m/p-Xylenes
Concen: 0.57 ug/l
RT: 9.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VU025222.D
Acq: 05 Jul 2018 17:52

Tgt Ion:106 Resp: 3008
Ion Ratio Lower Upper
106 100
91 215.6 166.5 249.7



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: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

WP021IW454-180628

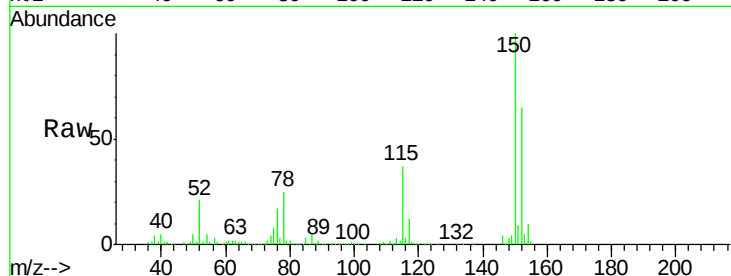
Tot Ion:152 Resp: 169527

Ion Ratio Lower Upper

152 100

115 56.9 43.0 129.0

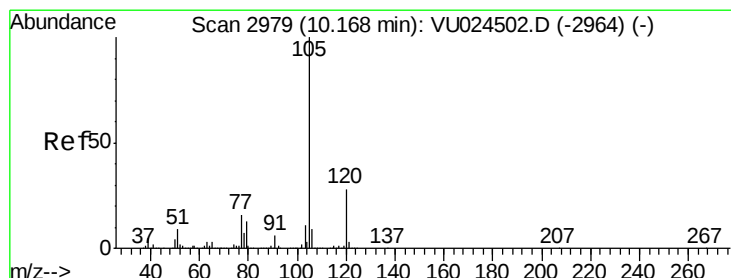
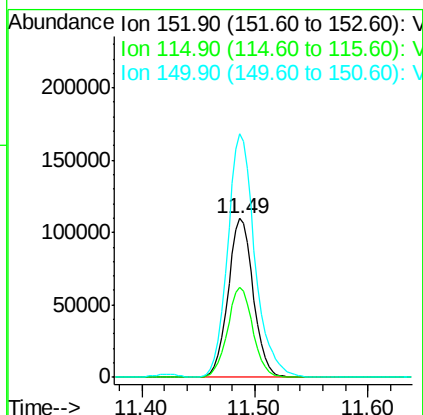
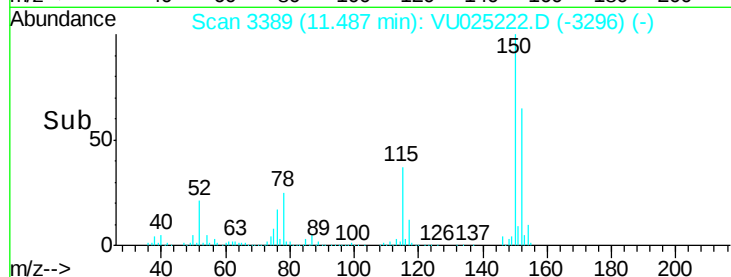
150 165.9 0.0 354.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 2.36 ug/l

RT: 10.17 min Scan# 2980

Delta R.T. 0.00 min

Lab File: VU025222.D

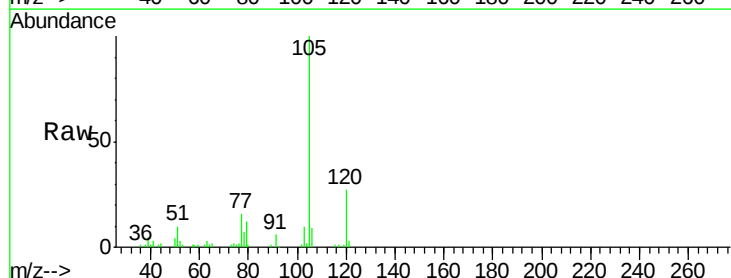
Acq: 05 Jul 2018 17:52

Tgt Ion:105 Resp: 30717

Ion Ratio Lower Upper

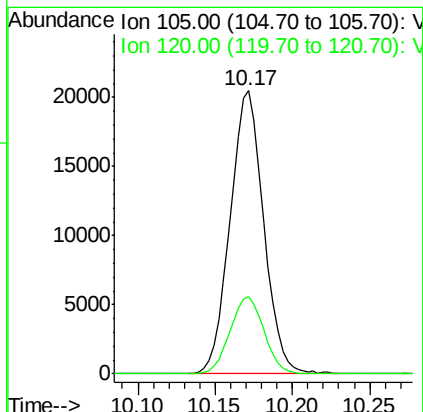
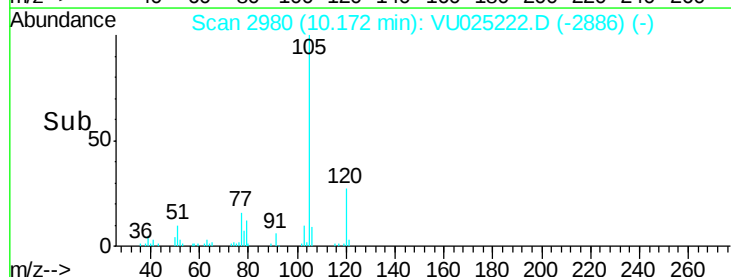
105 100

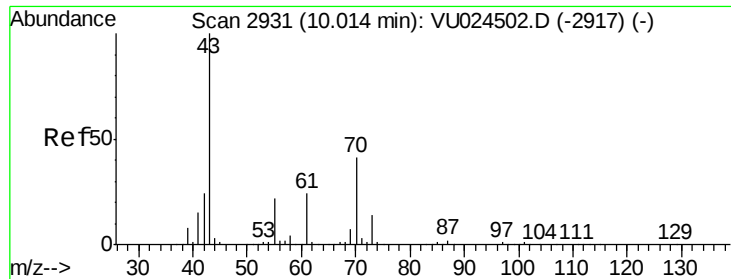
120 27.5 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.67 ug/l

RT: 10.05 min Scan# 2941

Delta R.T. 0.03 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

WP021IW454-180628

Tot Ion: 43 Resp: 4154

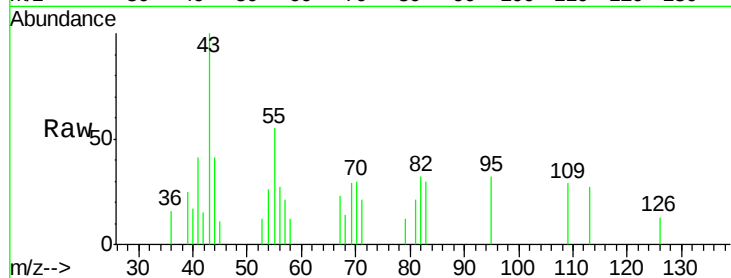
Ion Ratio Lower Upper

43 100

70 24.2 32.2 48.4#

55 36.1 20.5 30.7#

61 0.0 18.7 28.1#

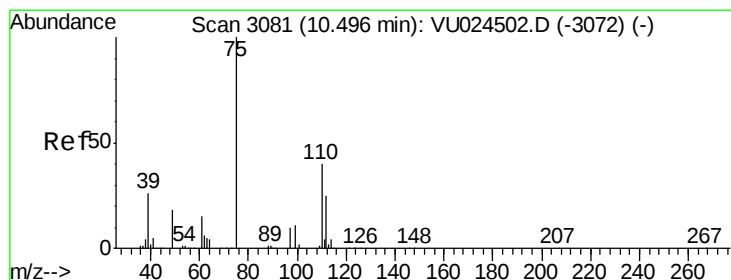
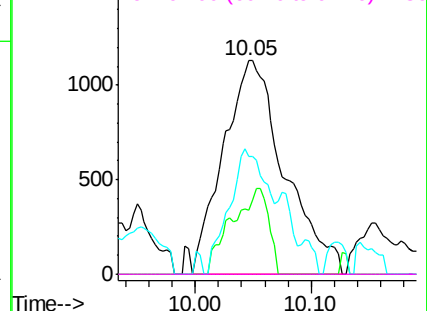
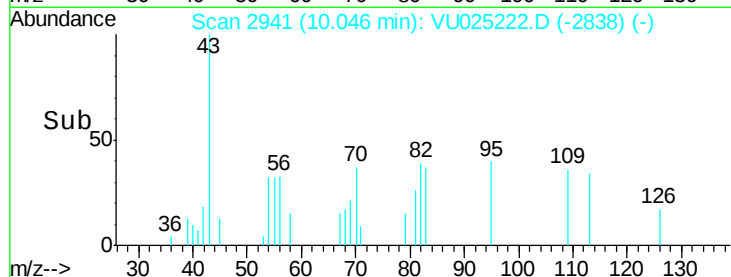


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



#76

1,2,3-Trichloropropane

Concen: 24.66 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.19 min

Lab File: VU025222.D

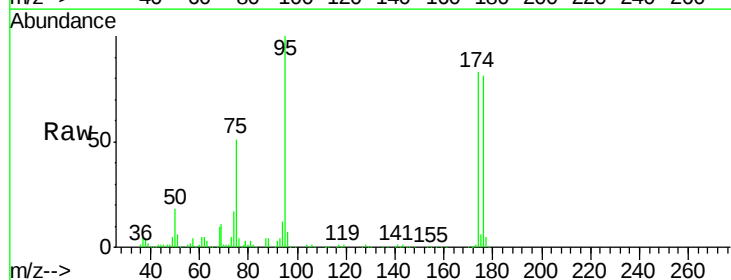
Acq: 05 Jul 2018 17:52

Tgt Ion: 75 Resp: 92031

Ion Ratio Lower Upper

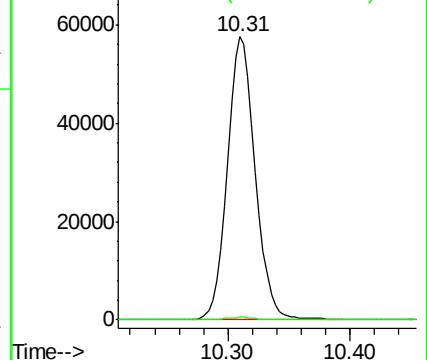
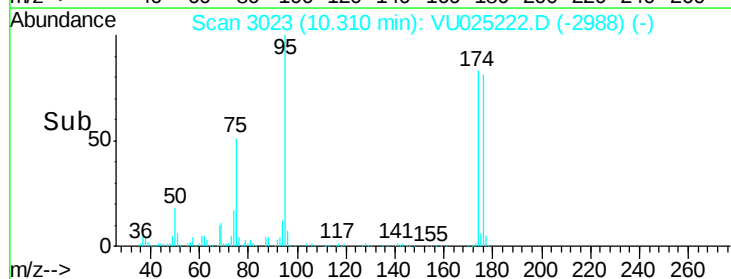
75 100

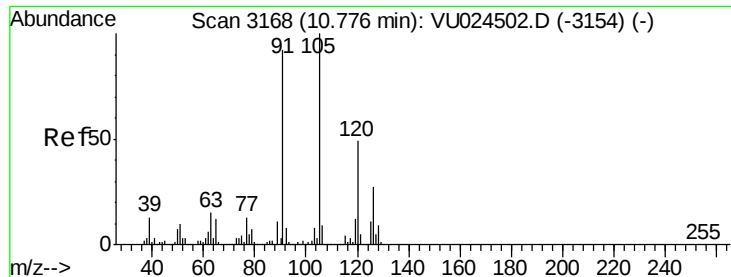
77 0.9 20.9 62.7#



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 77.00 (76.70 to 77.70): VU0





#80

1,3,5-Trimethylbenzene

Concen: 0.31 ug/l

RT: 10.98 min Scan# 3231

Delta R.T. 0.20 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

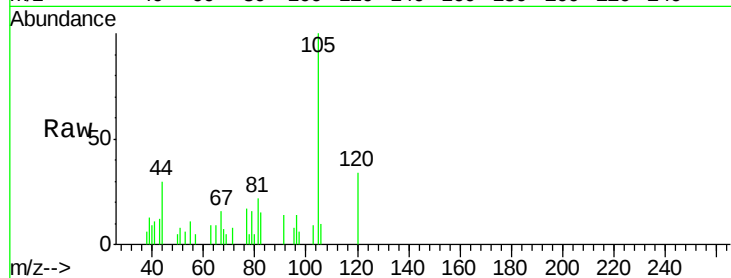
WP021IW454-180628

Tot Ion:105 Resp: 3467

Ion Ratio Lower Upper

105 100

120 34.3 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500

2000

1500

1000

500

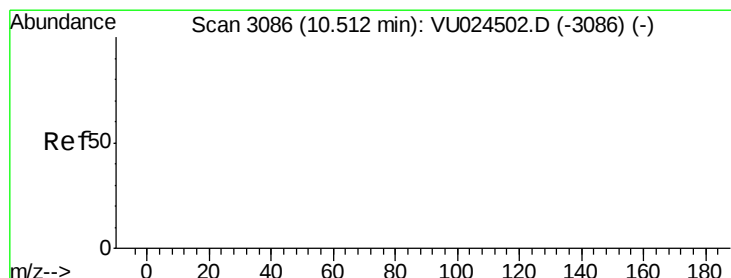
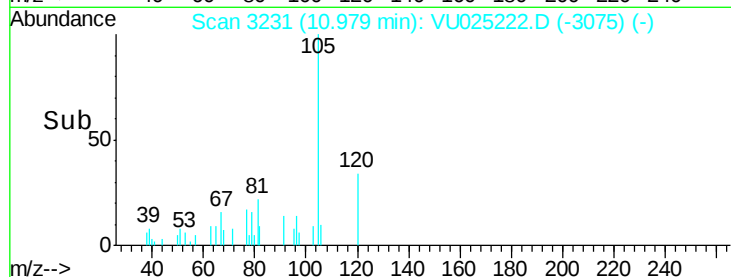
0

10.95

10.98

11.00

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 57.07 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. -0.20 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

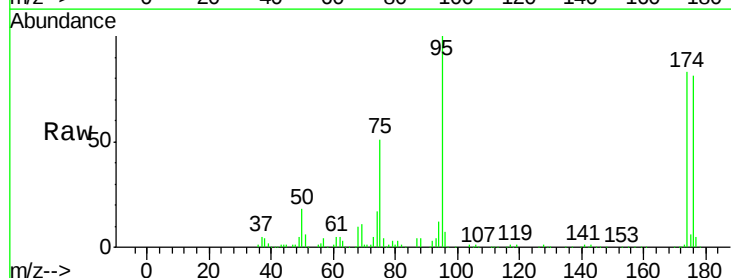
Tgt Ion: 75 Resp: 92031

Ion Ratio Lower Upper

75 100

53 0.0 0.0 0.0#

89 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 53.00 (52.70 to 53.70): VU0

Ion 88.90 (88.60 to 89.60): VU0

80000

60000

40000

20000

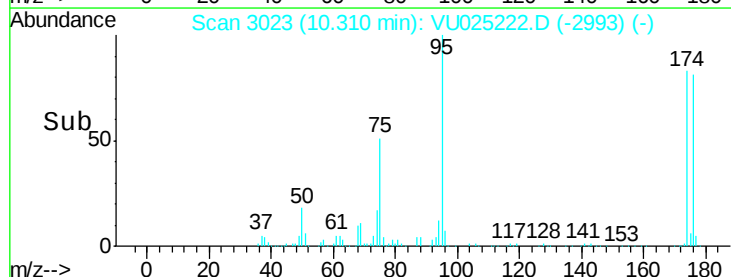
0

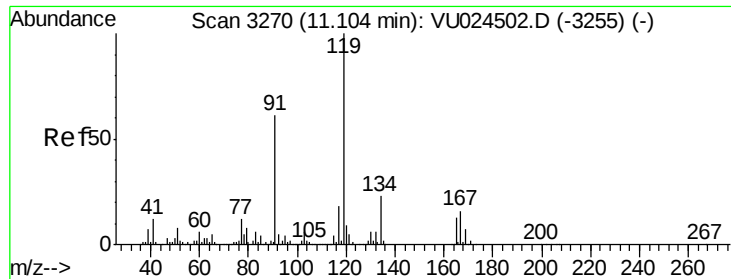
10.30

10.31

10.40

Time-->

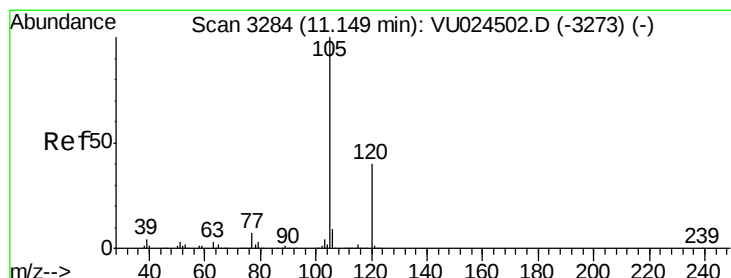
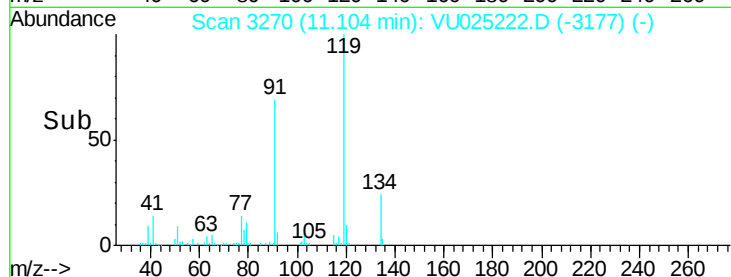
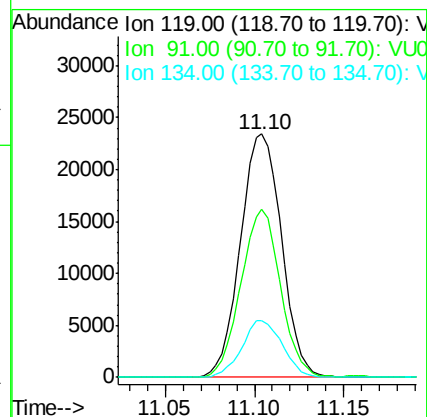
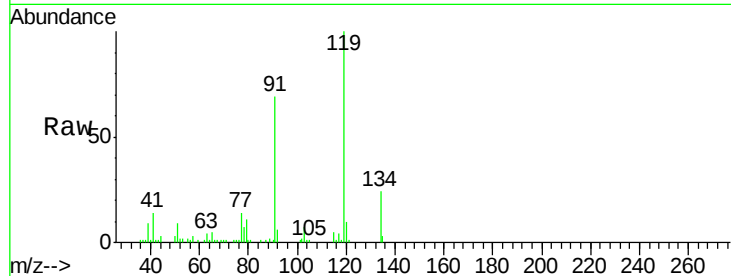




#83
 tert-Butylbenzene
 Concen: 3.46 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. -0.00 min
 Lab File: VU025222.D
 Acq: 05 Jul 2018 17:52

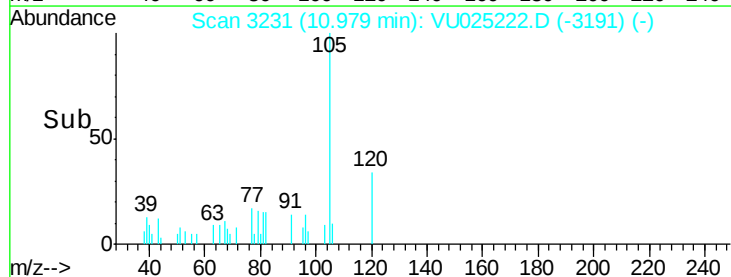
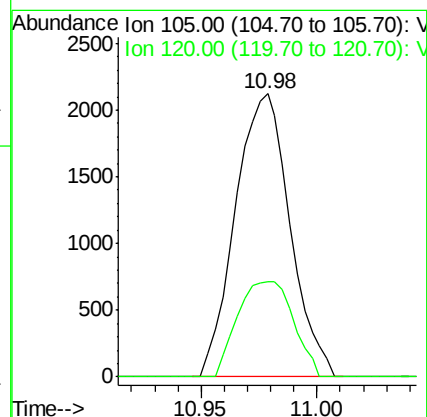
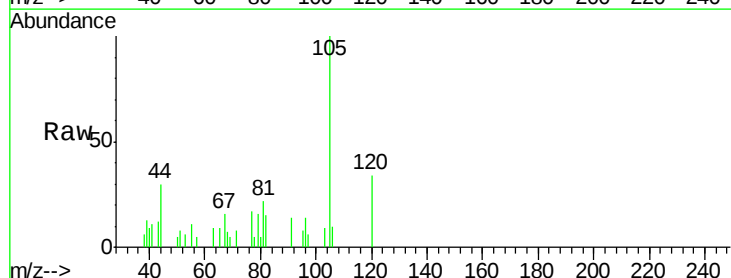
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW454-180628

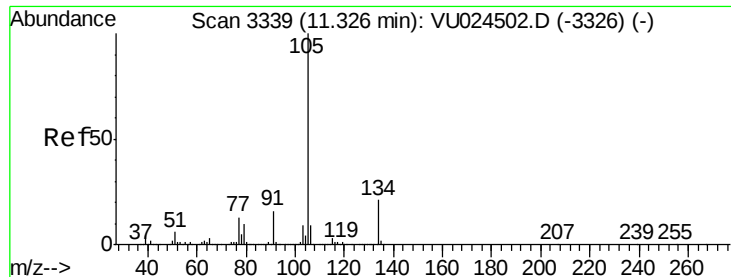
Tot Ion:119 Resp: 37520
 Ion Ratio Lower Upper
 119 100
 91 66.5 29.7 89.1
 134 23.0 11.6 34.7



#84
 1,2,4-Trimethylbenzene
 Concen: 0.30 ug/l
 RT: 10.98 min Scan# 3231
 Delta R.T. -0.17 min
 Lab File: VU025222.D
 Acq: 05 Jul 2018 17:52

Tgt Ion:105 Resp: 3467
 Ion Ratio Lower Upper
 105 100
 120 34.3 22.6 67.8





#85

sec-Butylbenzene

Concen: 1.71 ug/l

RT: 11.33 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

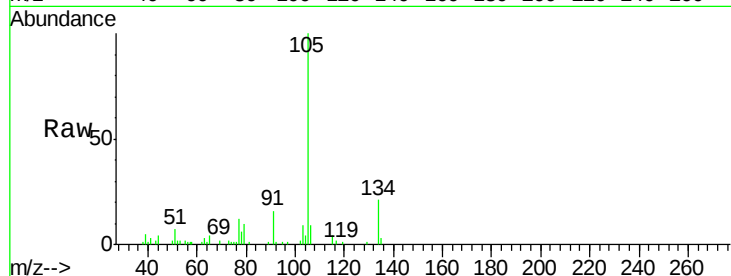
WP021IW454-180628

Tot Ion:105 Resp: 23208

Ion Ratio Lower Upper

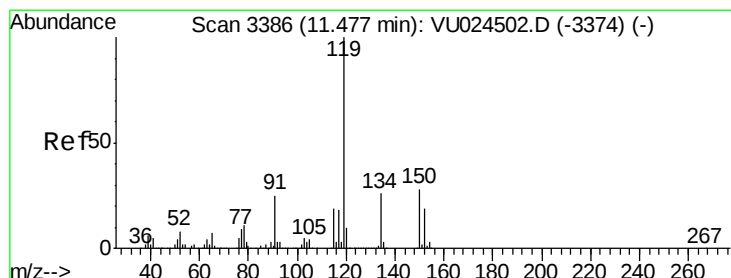
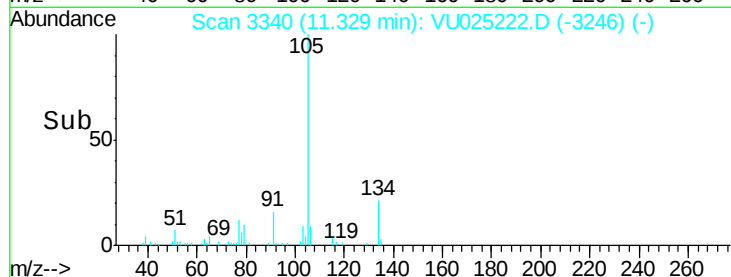
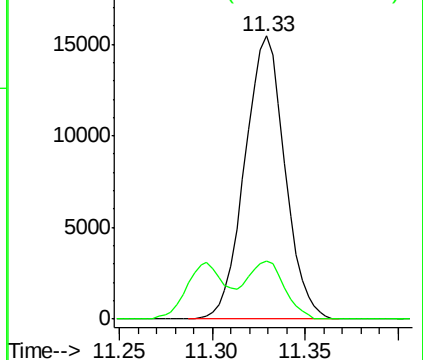
105 100

134 19.1 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.73 ug/l

RT: 11.69 min Scan# 3453

Delta R.T. 0.22 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

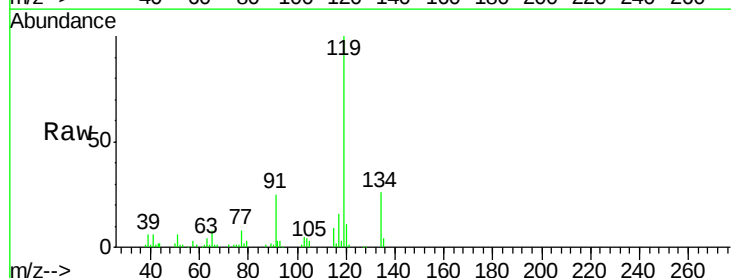
Tgt Ion:119 Resp: 45387

Ion Ratio Lower Upper

119 100

134 28.5 12.9 38.6

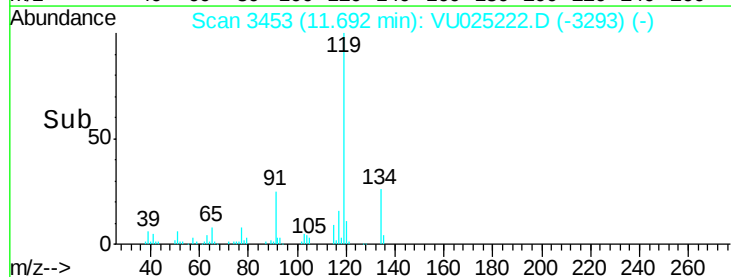
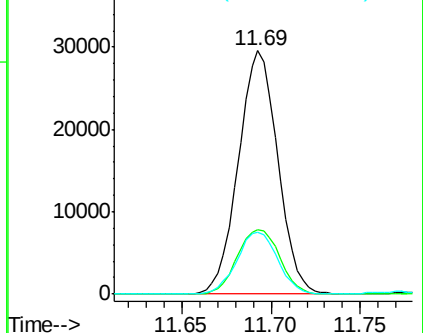
91 26.4 12.0 36.1

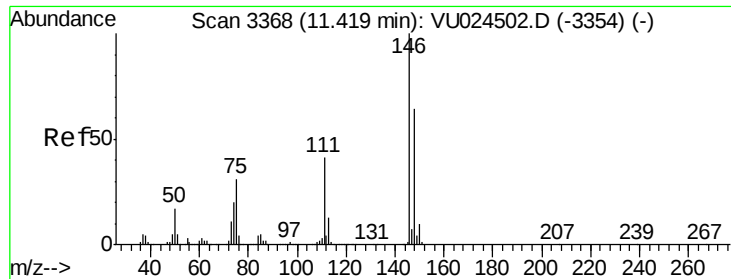


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VU0

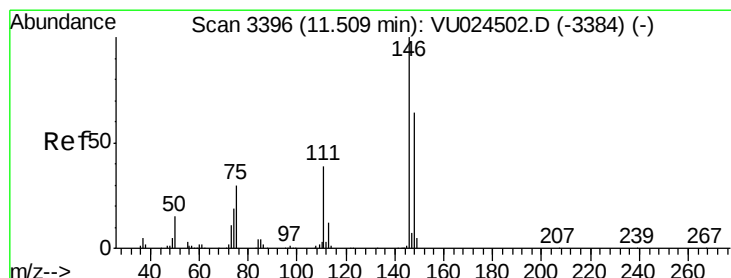
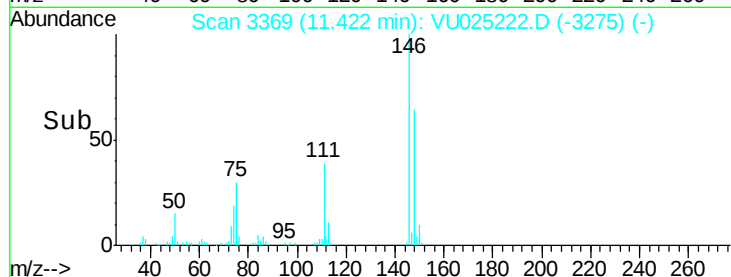
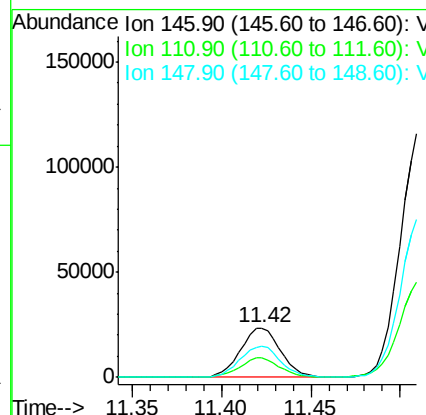
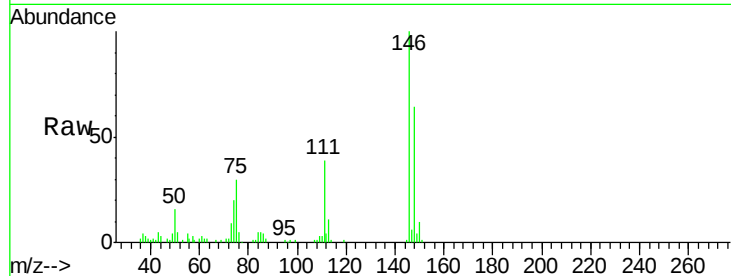




#87
 1,3-Dichlorobenzene
 Concen: 6.08 ug/l
 RT: 11.42 min Scan# 3369
 Delta R.T. 0.00 min
 Lab File: VU025222.D
 Acq: 05 Jul 2018 17:52

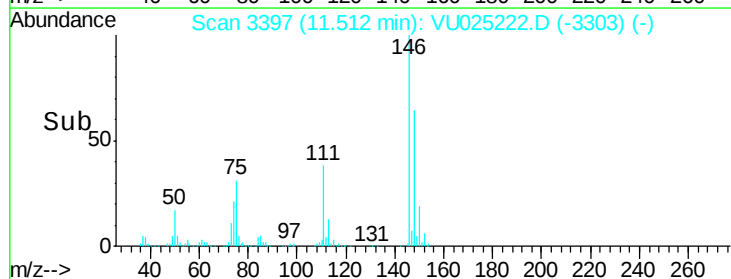
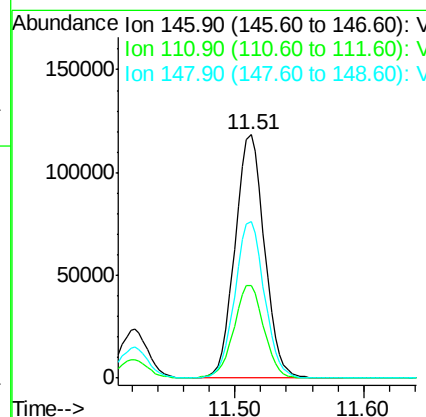
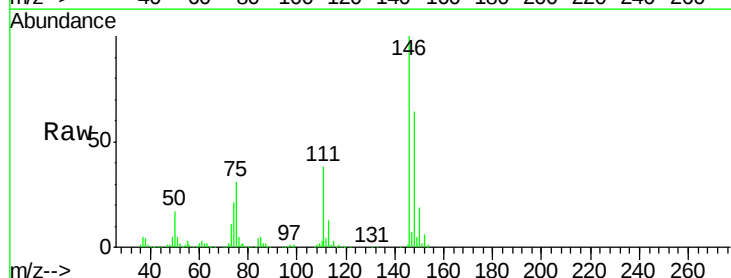
Instrument :
 MSVOA_U
 ClientSampleId :
 WP021IW454-180628

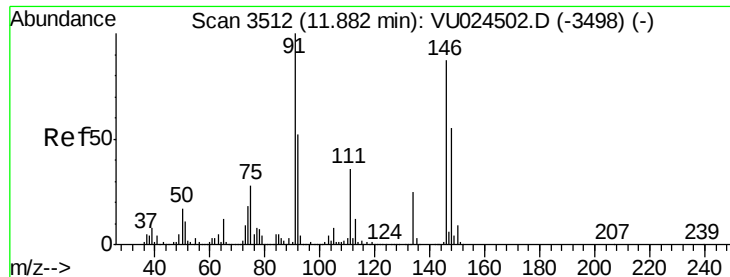
Tot Ion:146 Resp: 37008
 Ion Ratio Lower Upper
 146 100
 111 38.8 20.0 60.0
 148 63.9 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 30.58 ug/l
 RT: 11.51 min Scan# 3397
 Delta R.T. 0.00 min
 Lab File: VU025222.D
 Acq: 05 Jul 2018 17:52

Tgt Ion:146 Resp: 187371
 Ion Ratio Lower Upper
 146 100
 111 39.2 19.5 58.5
 148 64.5 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 208.50 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

Instrument :

MSVOA_U

ClientSampleId :

WP021IW454-180628

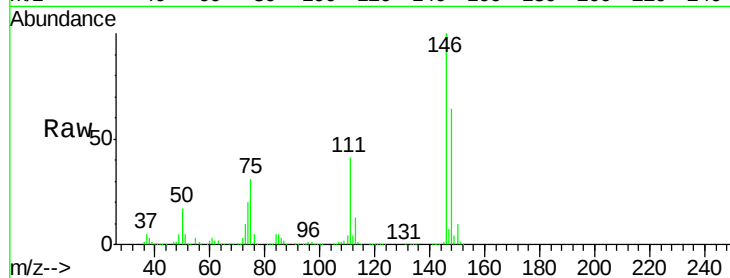
Tot Ion:146 Resp: 1271348

Ion Ratio Lower Upper

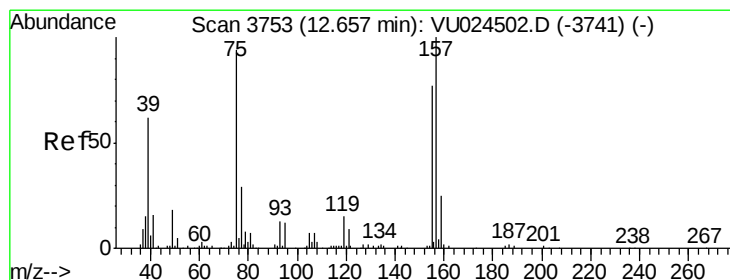
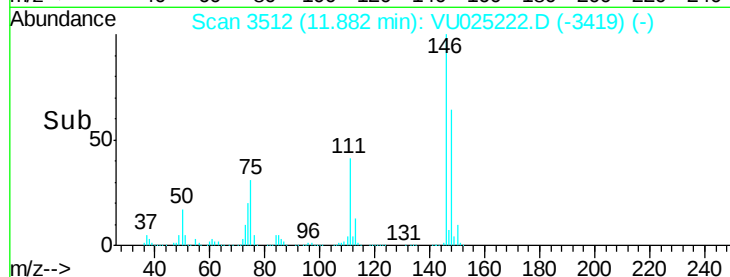
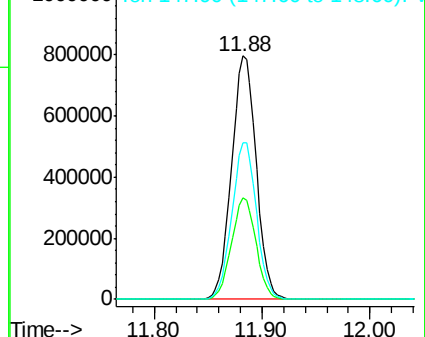
146 100

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.21 ug/l

RT: 12.54 min Scan# 3716

Delta R.T. -0.12 min

Lab File: VU025222.D

Acq: 05 Jul 2018 17:52

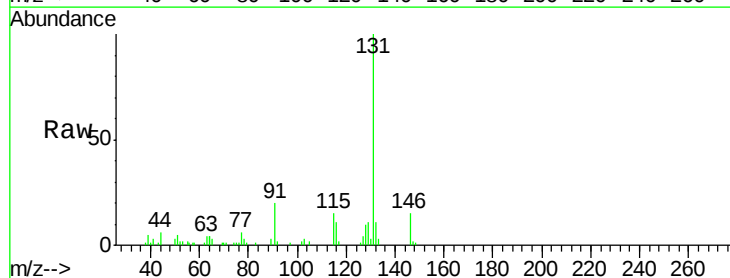
Tgt Ion: 75 Resp: 257

Ion Ratio Lower Upper

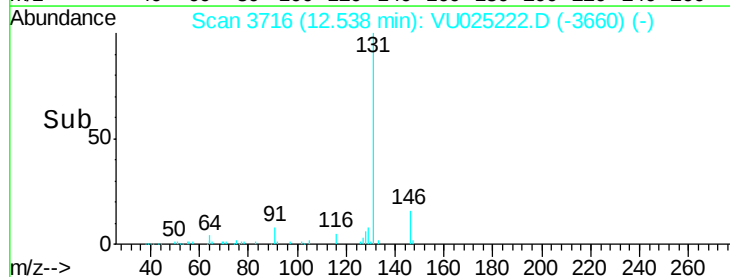
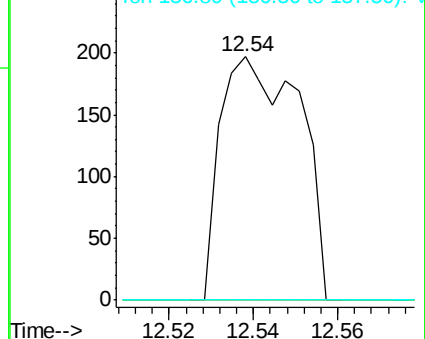
75 100

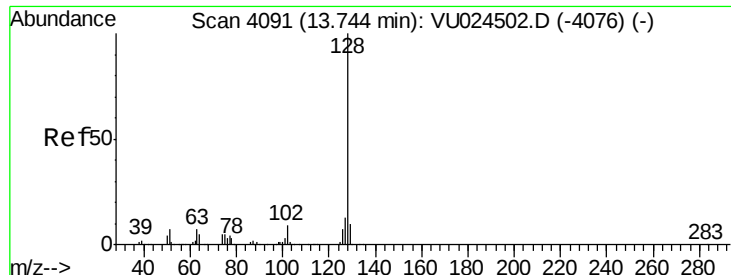
155 0.0 40.4 121.2#

157 0.0 52.3 156.8#



Abundance Ion 74.90 (74.60 to 75.60): VU0
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





#95
Naphthalene
Concen: 0.86 ug/l
RT: 13.75 min Scan# 4093
Delta R.T. 0.01 min
Lab File: VU025222.D
Acq: 05 Jul 2018 17:52

Instrument :
MSVOA_U
ClientSampleId :
WP021IW454-180628

Tot Ion	Ratio	Lower	Upper
128	100		
127	8.6	10.6	16.0#
129	6.4	8.6	12.8#

