

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062318\
 Data File : VU024859.D
 Acq On : 23 Jun 2018 02:18
 Operator : MD/SY
 Sample : J3668-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW037-180621

Quant Time: Jun 23 04:52:18 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	195548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.89	114	294971	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.09	117	273542	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.49	152	146848	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	143026	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	
35) Dibromofluoromethane	4.89	113	114408	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
50) Toluene-d8	7.57	98	431192	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	10.31	95	157680	44.48	ug/l	0.00
Spiked Amount			Recovery	=	88.96%	

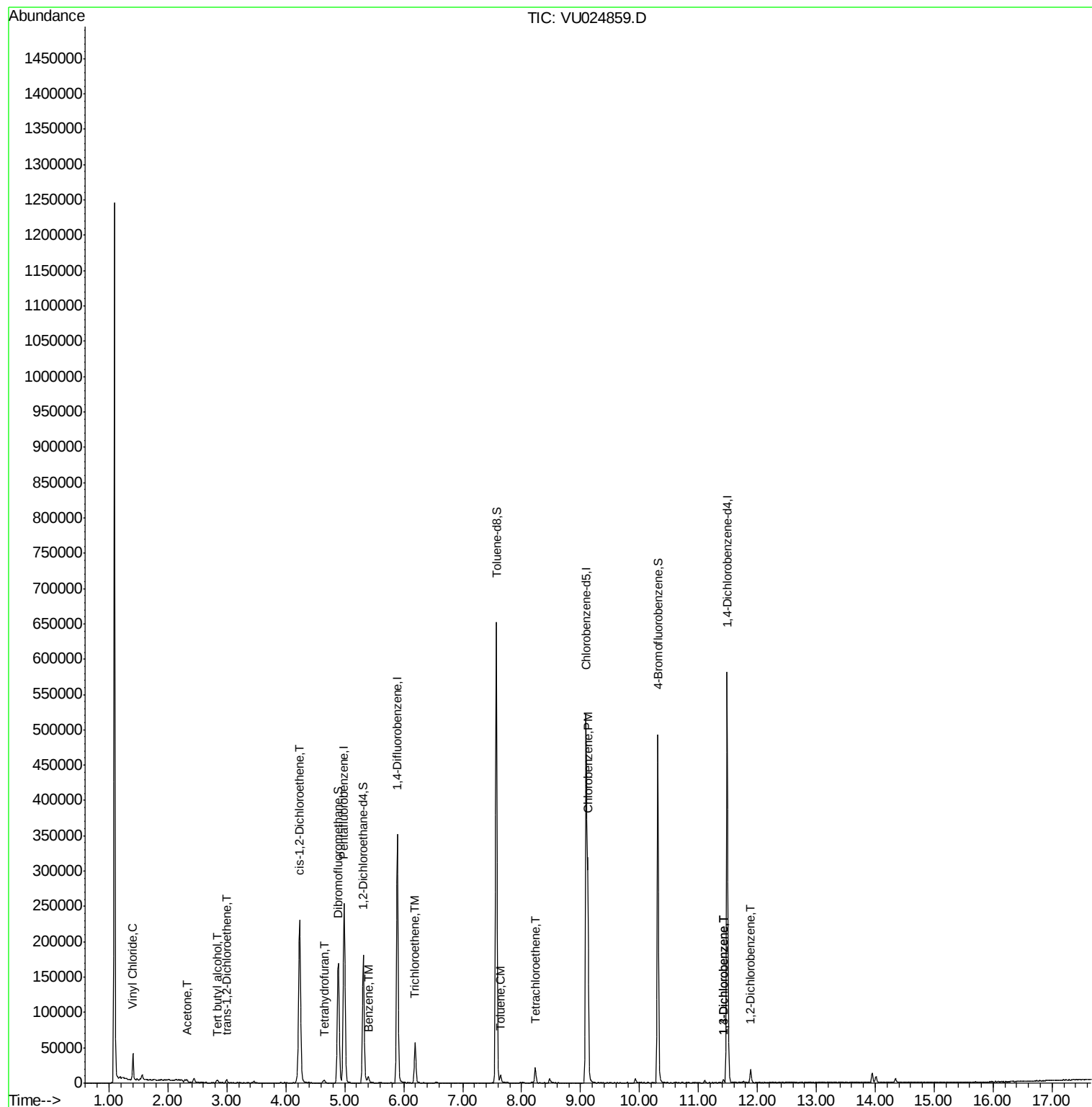
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	23195	8.99	ug/l	99
11) Tert butyl alcohol	2.83	59	2862	3.69	ug/l #	86
16) Acetone	2.32	43	4131	2.41	ug/l	94
21) trans-1,2-Dichloroethene	2.99	96	1637	0.67	ug/l	87
27) cis-1,2-Dichloroethene	4.23	96	130223	46.19	ug/l	88
29) Tetrahydrofuran	4.65	42	2819	1.98	ug/l #	76
40) Benzene	5.40	78	8102	0.82	ug/l	96
44) Trichloroethene	6.19	130	20173	7.18	ug/l	89
52) Toluene	7.64	92	4018	0.63	ug/l	96
64) Tetrachloroethene	8.23	164	4785	1.84	ug/l	93
65) Chlorobenzene	9.12	112	155739	22.29	ug/l	98
87) 1,3-Dichlorobenzene	11.43	146	2242	0.43	ug/l	95
88) 1,4-Dichlorobenzene	11.43	146	2242	0.42	ug/l	94
91) 1,2-Dichlorobenzene	11.89	146	7732	1.46	ug/l	94

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU062318\
Data File : VU024859.D
Acq On : 23 Jun 2018 02:18
Operator : MD/SY
Sample : J3668-04
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
WP021MW037-180621

Quant Time: Jun 23 04:52:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\82U061318W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 13 13:55:26 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 4.99 min Scan# 1368

Delta R.T. -0.00 min

Lab File: VU024859.D

Acq: 23 Jun 2018 02:18

Instrument :

MSVOA_U

ClientSampleId :

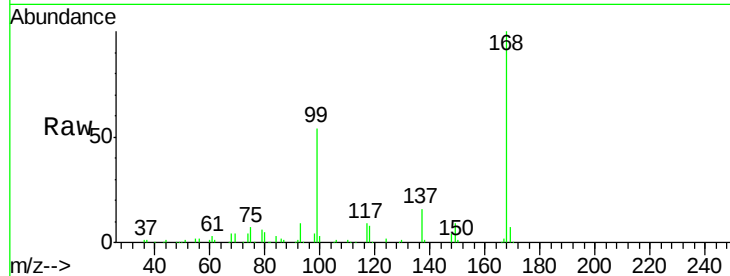
WP021MW037-180621

Tot Ion:168 Resp: 195548

Ion Ratio Lower Upper

168 100

99 54.1 43.2 64.8



Abundance Ion 167.90 (167.60 to 168.60): VU024859.D (-1275) (-)

Ion 98.90 (98.60 to 99.60): VU024859.D (-1275) (-)

4.99

80000

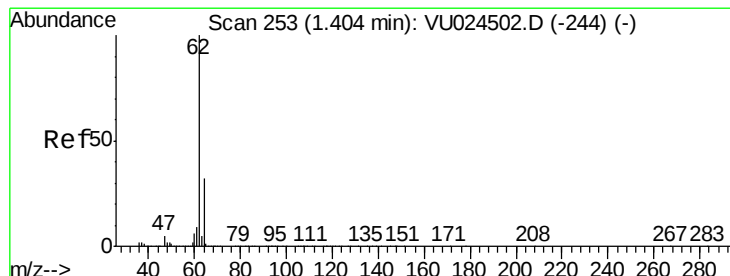
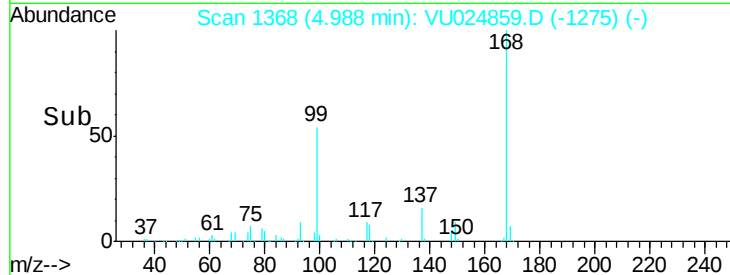
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 8.99 ug/l

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU024859.D

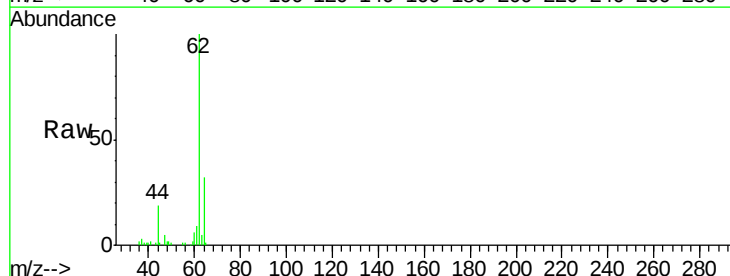
Acq: 23 Jun 2018 02:18

Tgt Ion: 62 Resp: 23195

Ion Ratio Lower Upper

62 100

64 31.7 24.8 37.2



Abundance Ion 61.90 (61.60 to 62.60): VU024859.D (-160) (-)

Ion 63.90 (63.60 to 64.60): VU024859.D (-160) (-)

1.40

25000

20000

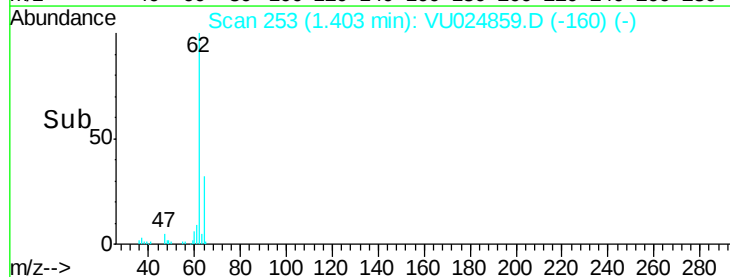
15000

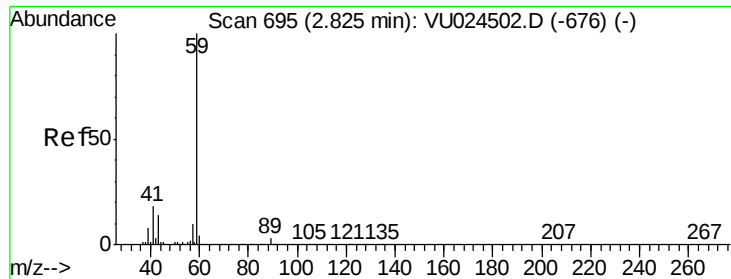
10000

5000

0

Time-->

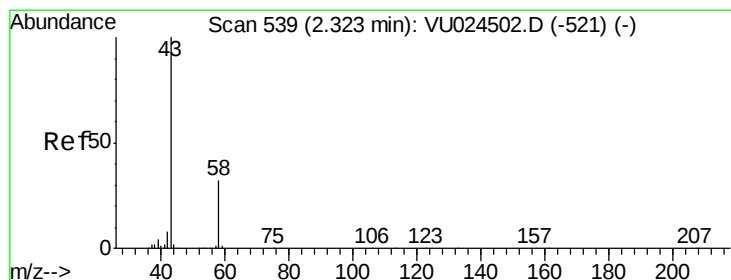
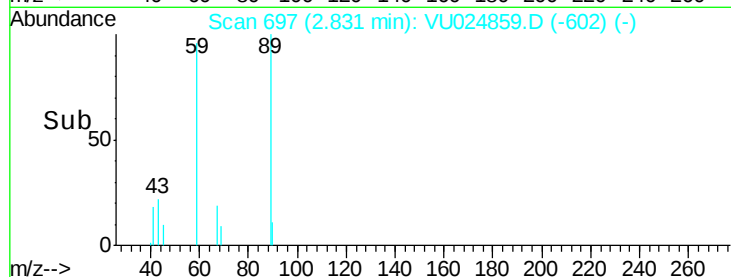
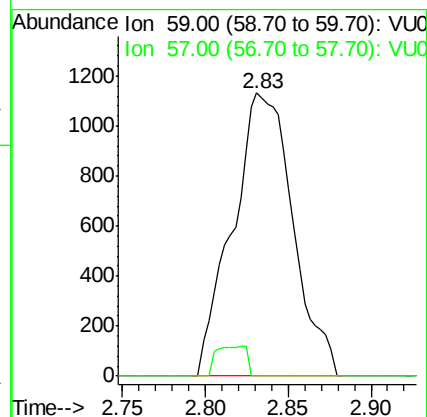
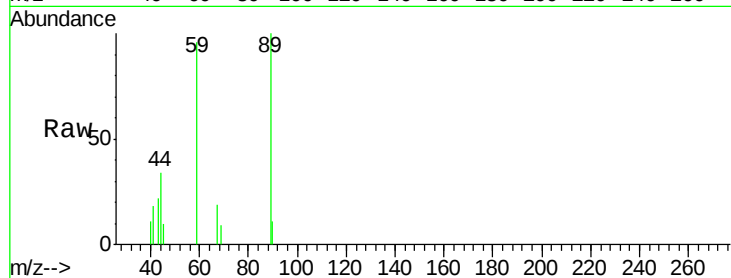




#11
Tert butyl alcohol
Concen: 3.69 ug/l
RT: 2.83 min Scan# 697
Delta R.T. 0.01 min
Lab File: VU024859.D
Acq: 23 Jun 2018 02:18

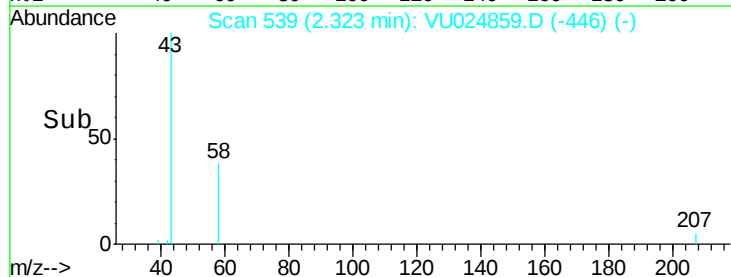
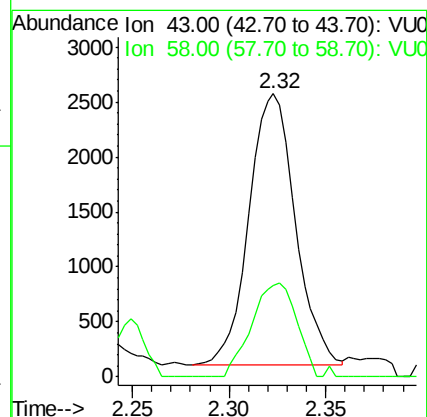
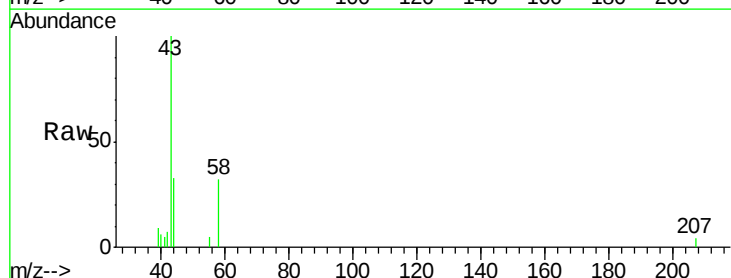
Instrument :
MSVOA_U
ClientSampleId :
WP021MW037-180621

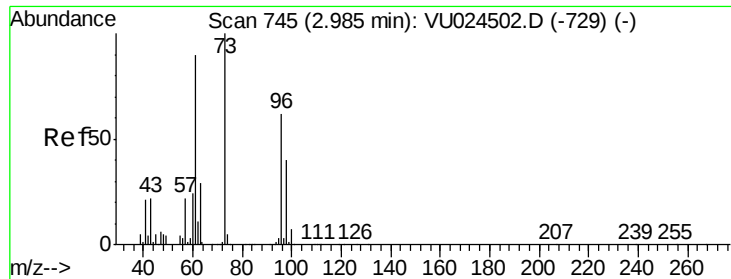
Tot Ion: 59 Resp: 2862
Ion Ratio Lower Upper
59 100
57 5.4 8.5 12.7#



#16
Acetone
Concen: 2.41 ug/l
RT: 2.32 min Scan# 539
Delta R.T. -0.00 min
Lab File: VU024859.D
Acq: 23 Jun 2018 02:18

Tgt Ion: 43 Resp: 4131
Ion Ratio Lower Upper
43 100
58 33.6 24.4 36.6





#21

trans-1,2-Dichloroethene

Concen: 0.67 ug/l

RT: 2.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VU024859.D

Acq: 23 Jun 2018 02:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW037-180621

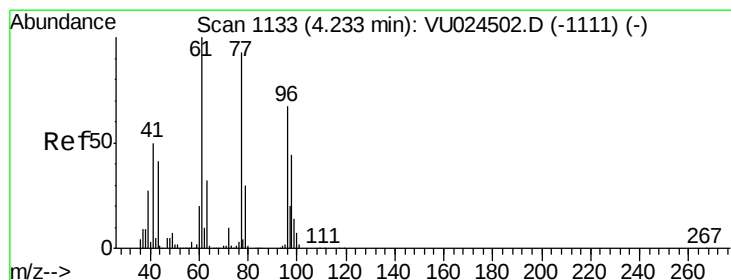
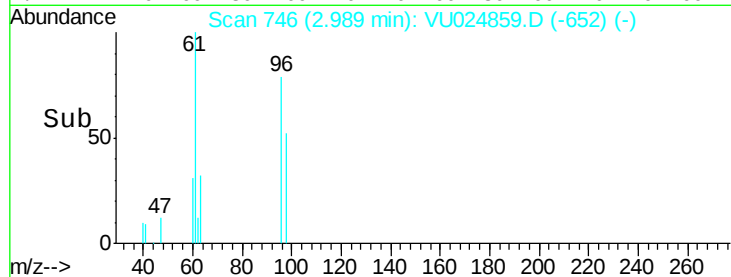
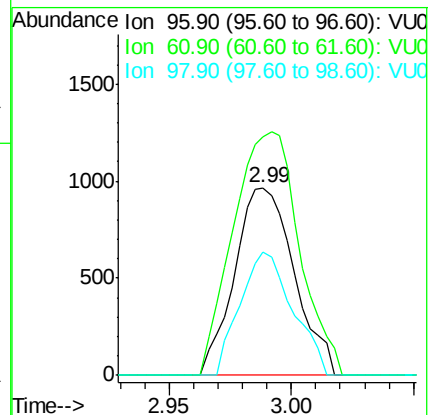
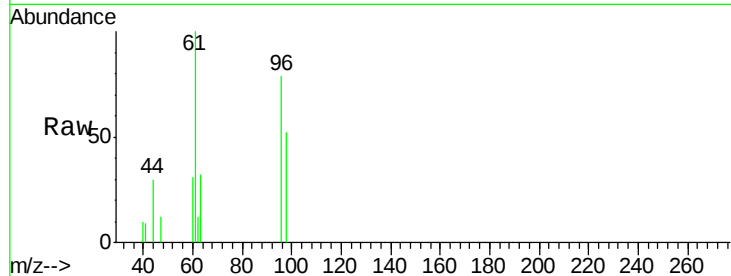
Tot Ion: 96 Resp: 1637

Ion Ratio Lower Upper

96 100

61 126.8 119.4 179.0

98 65.4 51.1 76.7



#27

cis-1,2-Dichloroethene

Concen: 46.19 ug/l

RT: 4.23 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VU024859.D

Acq: 23 Jun 2018 02:18

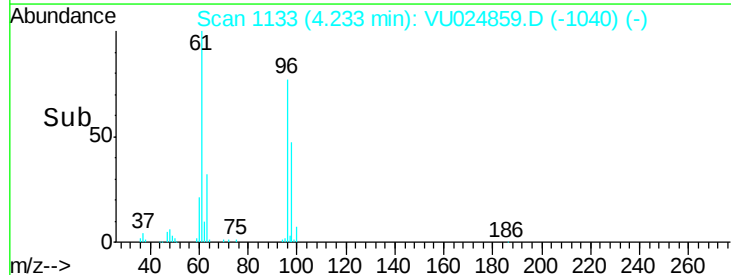
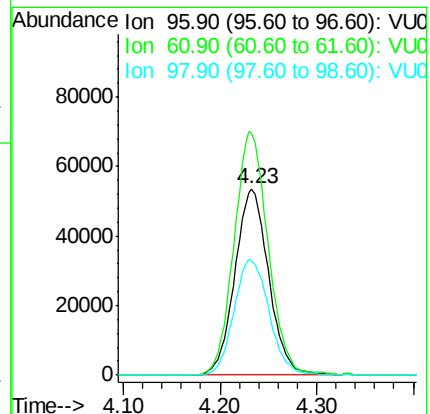
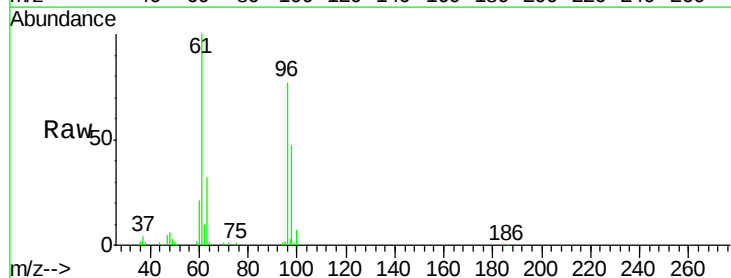
Tgt Ion: 96 Resp: 130223

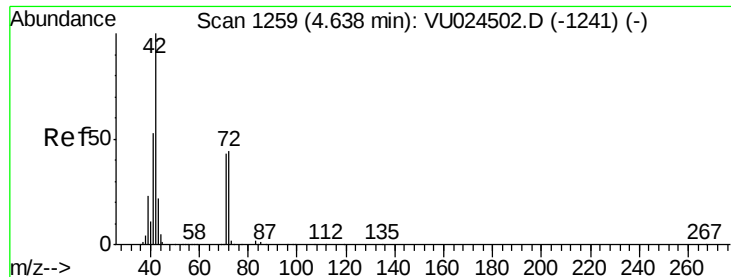
Ion Ratio Lower Upper

96 100

61 131.7 0.0 306.6

98 64.6 0.0 128.8

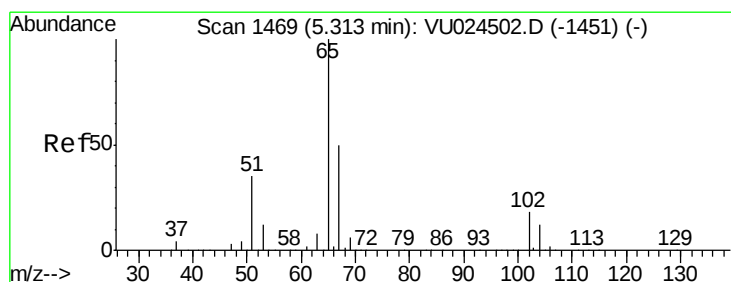
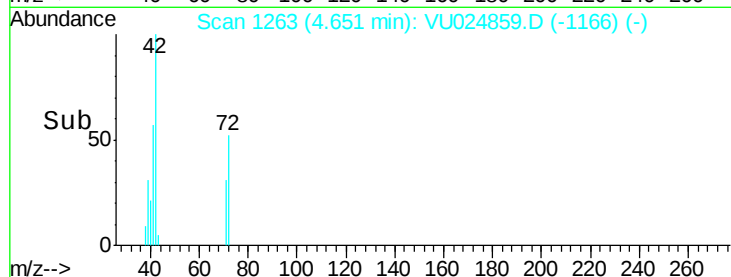
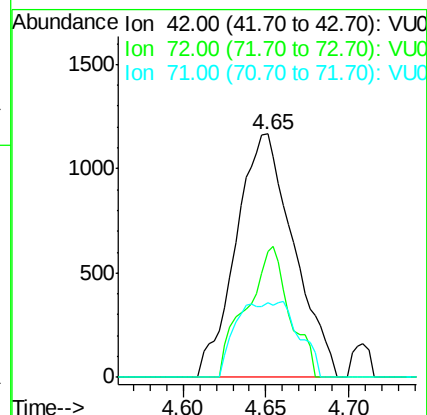
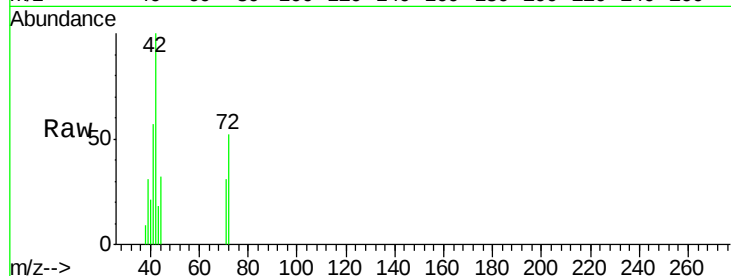




#29
Tetrahydrofuran
Concen: 1.98 ug/l
RT: 4.65 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VU024859.D
Acq: 23 Jun 2018 02:18

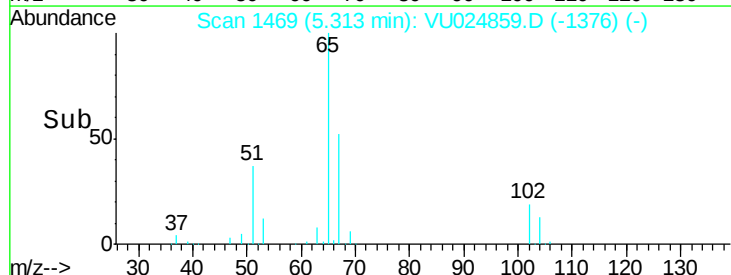
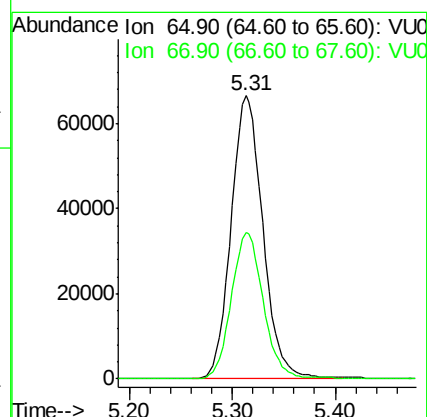
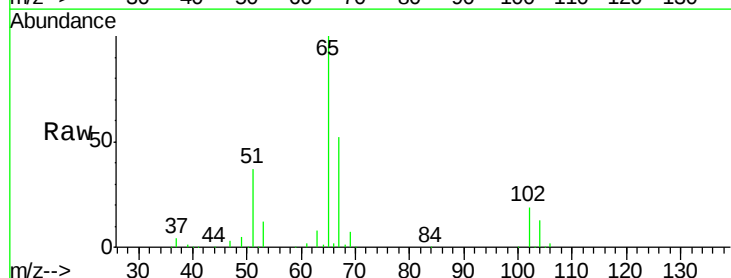
Instrument :
MSVOA_U
ClientSampleId :
WP021MW037-180621

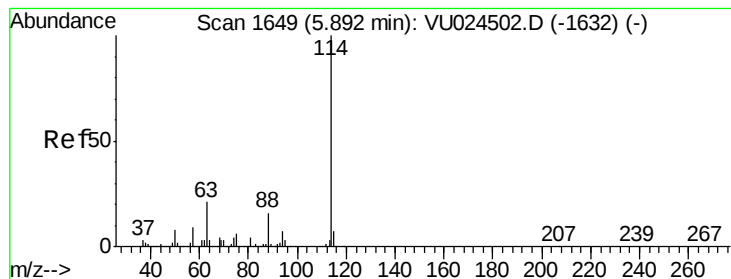
Tot Ion: 42 Resp: 2819
Ion Ratio Lower Upper
42 100
72 40.1 34.5 51.7
71 13.0 32.2 48.4#



#33
1,2-Dichloroethane-d4
Concen: 44.80 ug/l
RT: 5.31 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VU024859.D
Acq: 23 Jun 2018 02:18

Tgt Ion: 65 Resp: 143026
Ion Ratio Lower Upper
65 100
67 51.5 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: VU024859.D

Acq: 23 Jun 2018 02:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW037-180621

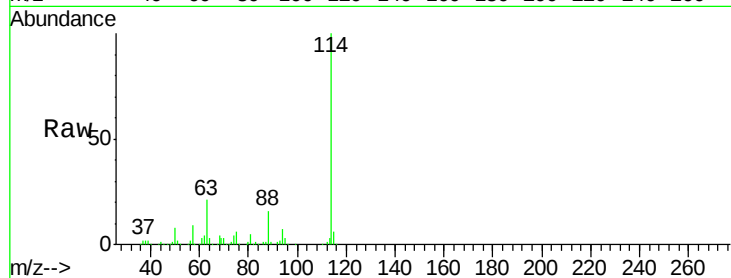
Tot Ion:114 Resp: 294971

Ion Ratio Lower Upper

114 100

63 20.8 0.0 45.4

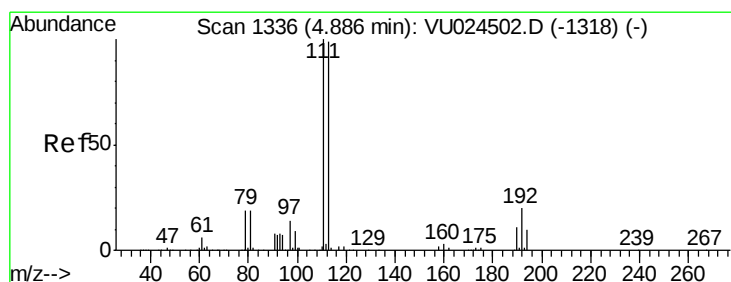
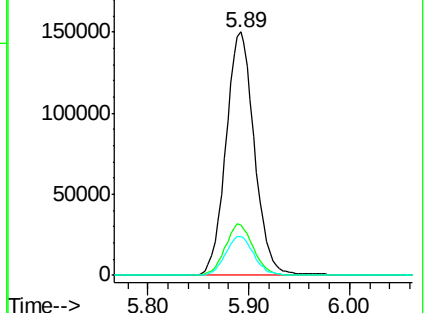
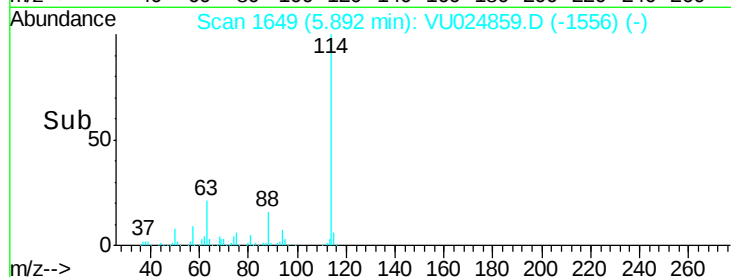
88 16.0 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VU0

Ion 87.90 (87.60 to 88.60): VU0



#35

Dibromofluoromethane

Concen: 46.73 ug/l

RT: 4.89 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VU024859.D

Acq: 23 Jun 2018 02:18

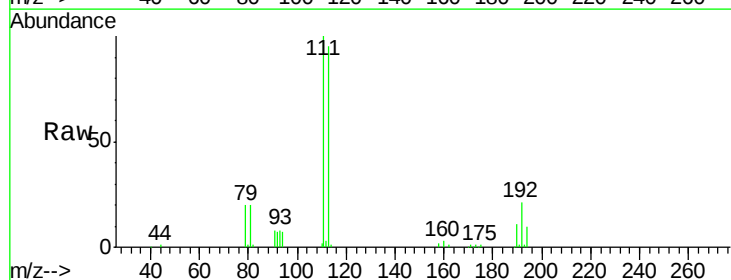
Tgt Ion:113 Resp: 114408

Ion Ratio Lower Upper

113 100

111 104.3 82.2 123.4

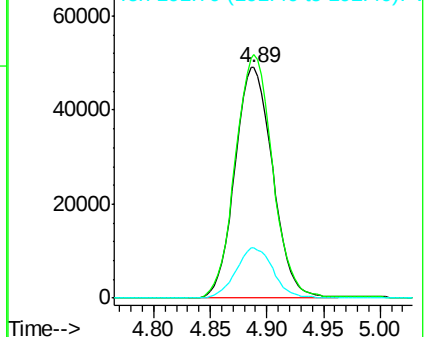
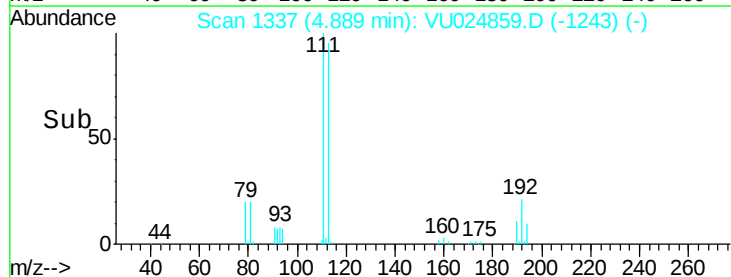
192 21.5 16.2 24.4

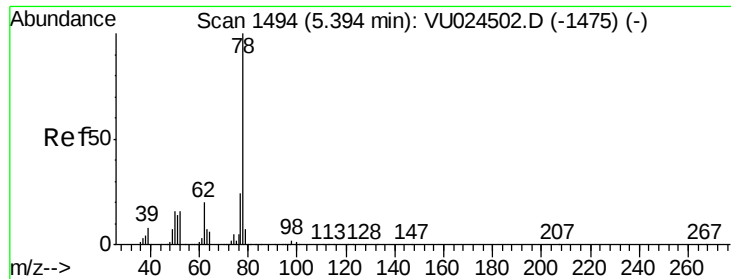


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.82 ug/l

RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VU024859.D

Acq: 23 Jun 2018 02:18

Instrument :

MSVOA_U

ClientSampleId :

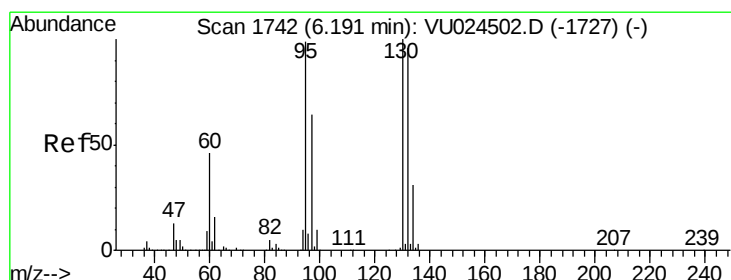
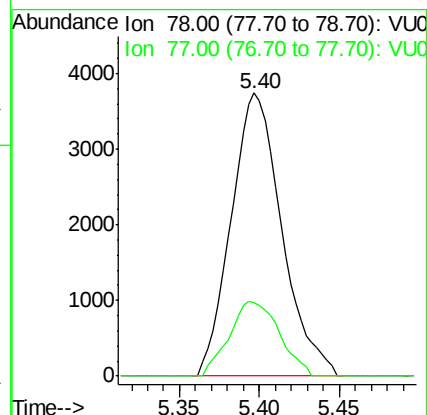
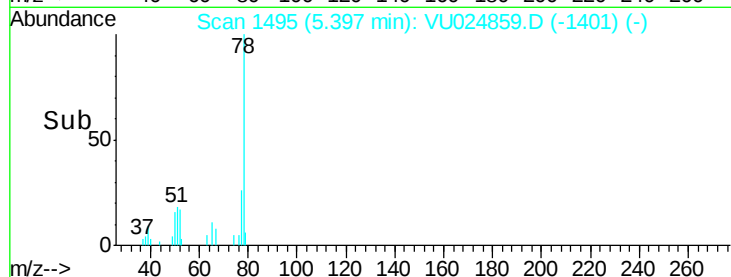
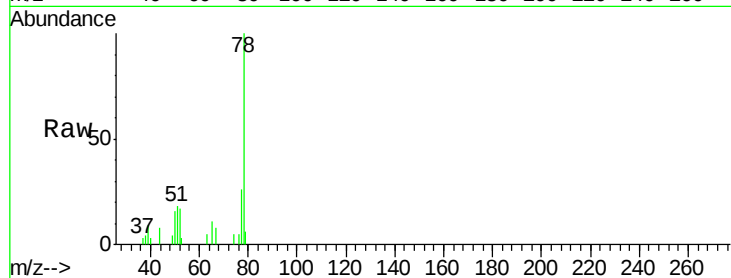
WP021MW037-180621

Tot Ion: 78 Resp: 8102

Ion Ratio Lower Upper

78 100

77 26.1 19.2 28.8



#44

Trichloroethene

Concen: 7.18 ug/l

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU024859.D

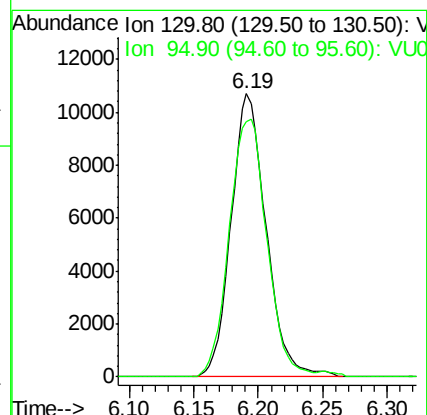
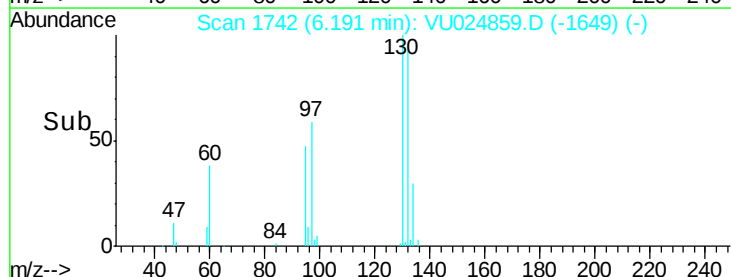
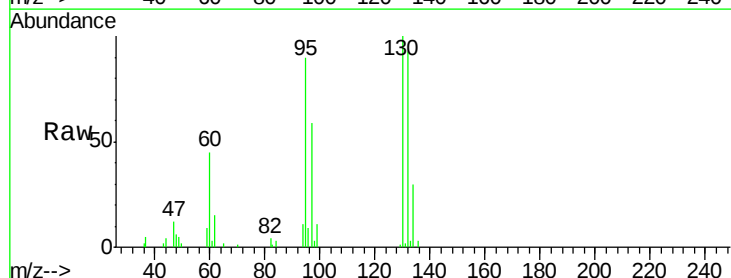
Acq: 23 Jun 2018 02:18

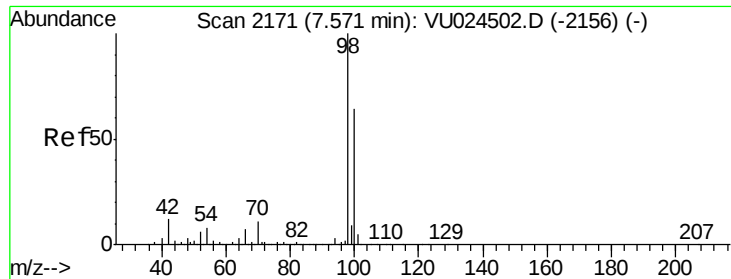
Tgt Ion: 130 Resp: 20173

Ion Ratio Lower Upper

130 100

95 90.1 0.0 202.4

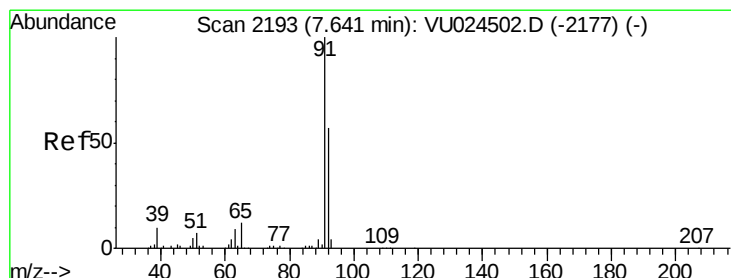
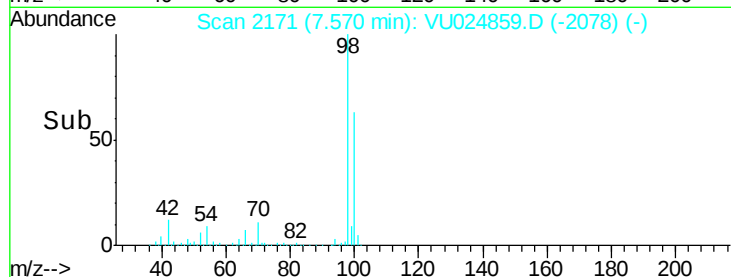
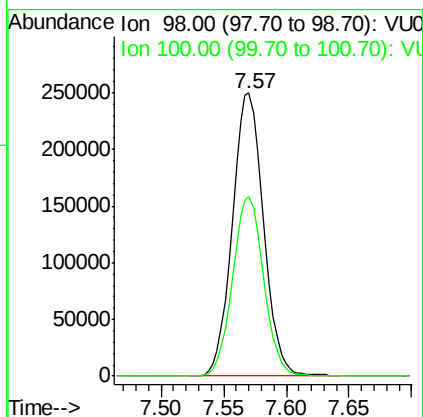
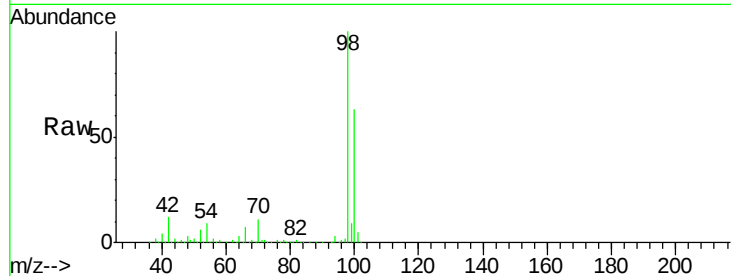




#50
Toluene-d8
Concen: 48.29 ug/l
RT: 7.57 min Scan# 2171
Delta R.T. -0.00 min
Lab File: VU024859.D
Acq: 23 Jun 2018 02:18

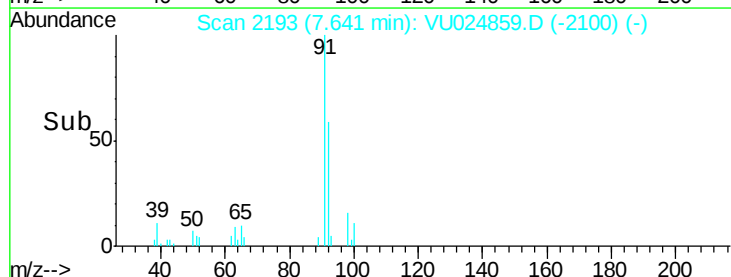
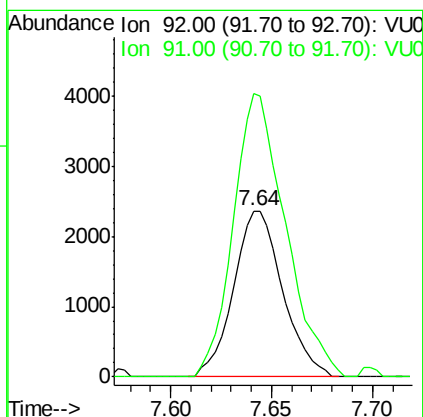
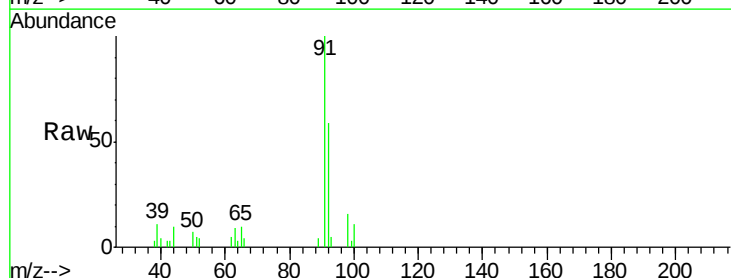
Instrument :
MSVOA_U
ClientSampleId :
WP021MW037-180621

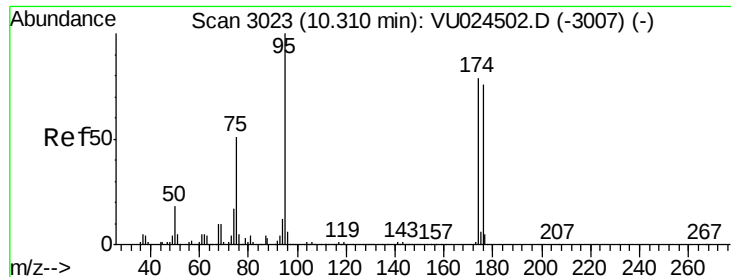
Tot Ion: 98 Resp: 431192
Ion Ratio Lower Upper
98 100
100 63.4 51.1 76.7



#52
Toluene
Concen: 0.63 ug/l
RT: 7.64 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU024859.D
Acq: 23 Jun 2018 02:18

Tgt Ion: 92 Resp: 4018
Ion Ratio Lower Upper
92 100
91 181.3 140.5 210.7

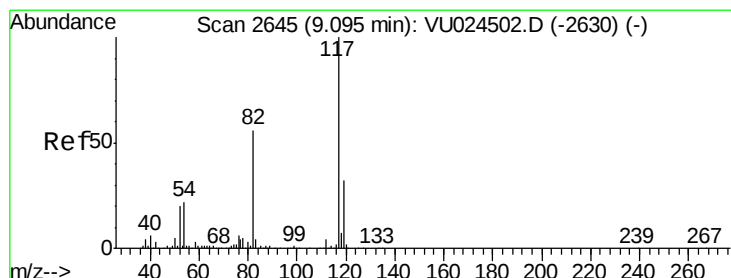
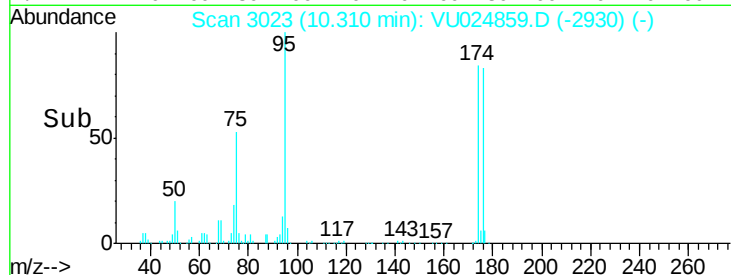
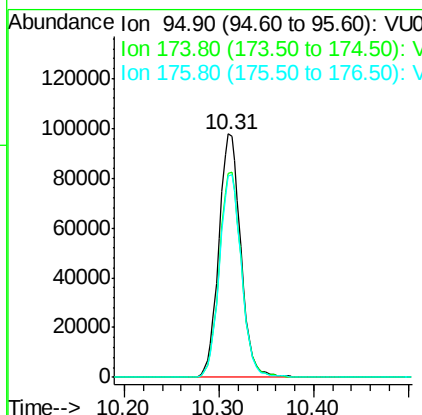
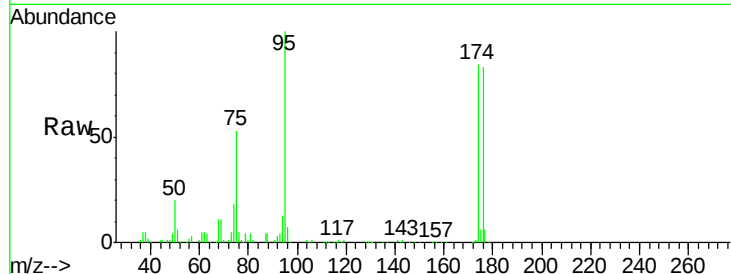




#62
4-Bromofluorobenzene
Concen: 44.48 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. -0.00 min
Lab File: VU024859.D
Acq: 23 Jun 2018 02:18

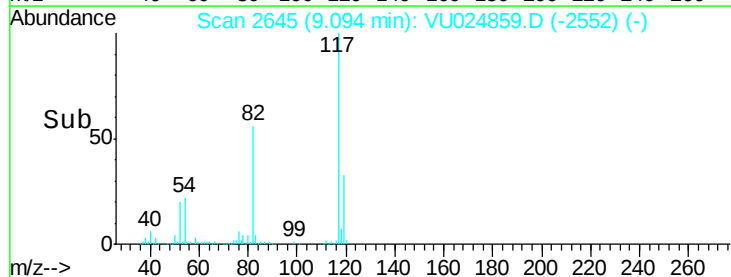
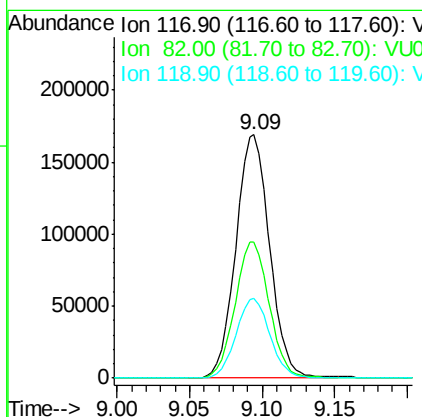
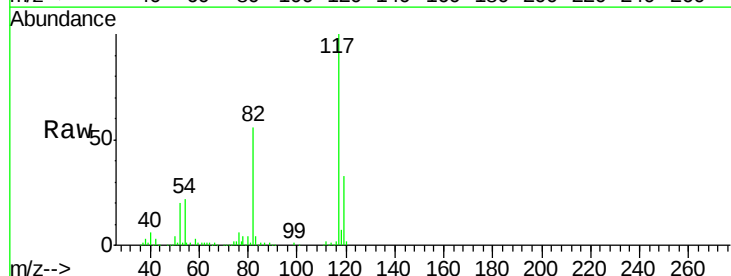
Instrument :
MSVOA_U
ClientSampleId :
WP021MW037-180621

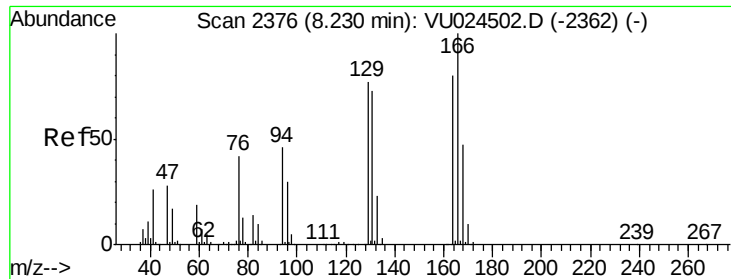
Tot Ion: 95 Resp: 157680
Ion Ratio Lower Upper
95 100
174 84.6 0.0 165.8
176 83.0 0.0 159.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.09 min Scan# 2645
Delta R.T. -0.00 min
Lab File: VU024859.D
Acq: 23 Jun 2018 02:18

Tgt Ion: 117 Resp: 273542
Ion Ratio Lower Upper
117 100
82 55.8 44.3 66.5
119 32.6 25.4 38.2





#64

Tetrachloroethene

Concen: 1.84 ug/l

RT: 8.23 min Scan# 2377

Delta R.T. 0.00 min

Lab File: VU024859.D

Acq: 23 Jun 2018 02:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW037-180621

Tot Ion:164 Resp: 4785

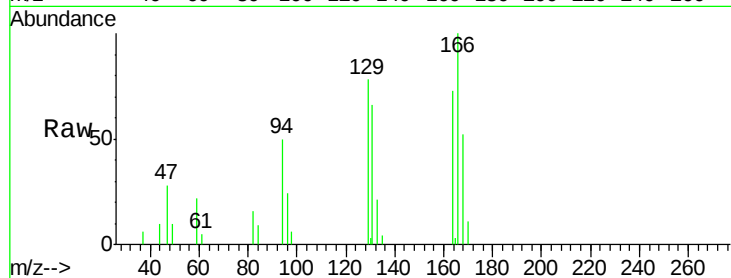
Ion Ratio Lower Upper

164 100

166 136.6 101.7 152.5

129 106.2 76.9 115.3

131 90.4 74.9 112.3

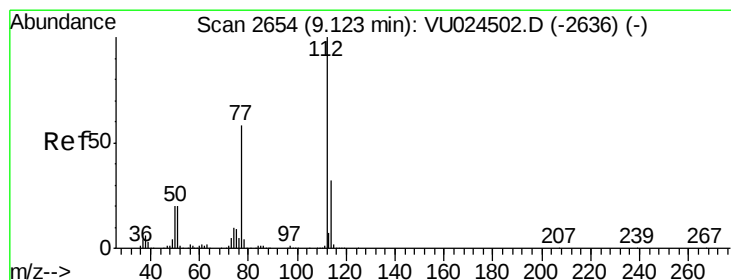
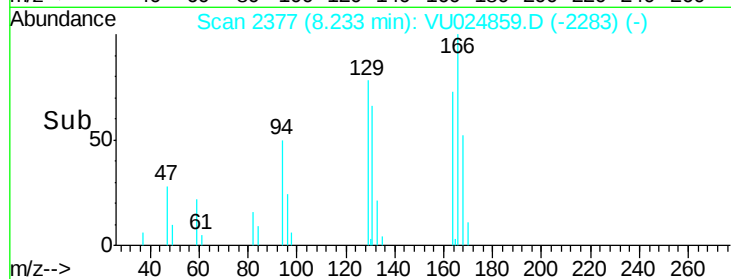
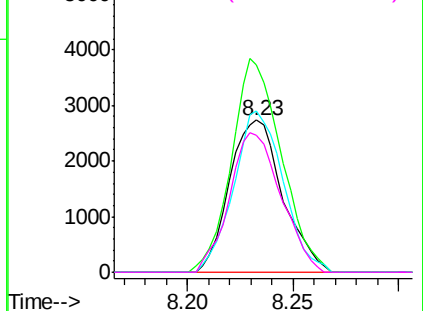


Abundance Ion 163.80 (163.50 to 164.50): V

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: 22.29 ug/l

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU024859.D

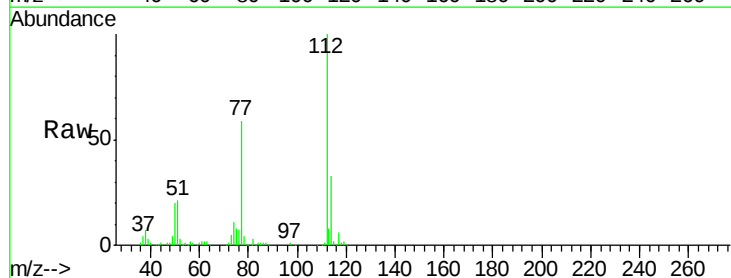
Acq: 23 Jun 2018 02:18

Tgt Ion:112 Resp: 155739

Ion Ratio Lower Upper

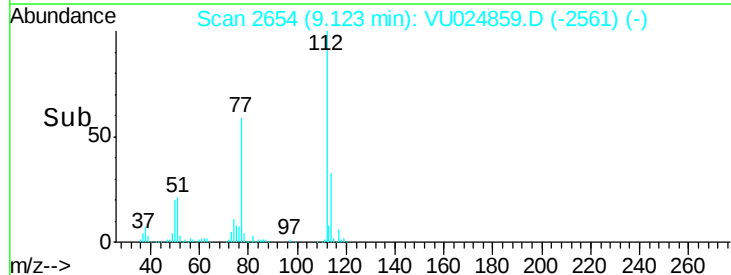
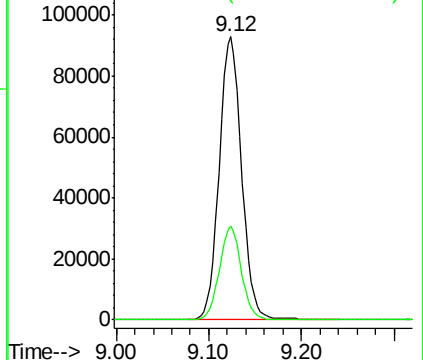
112 100

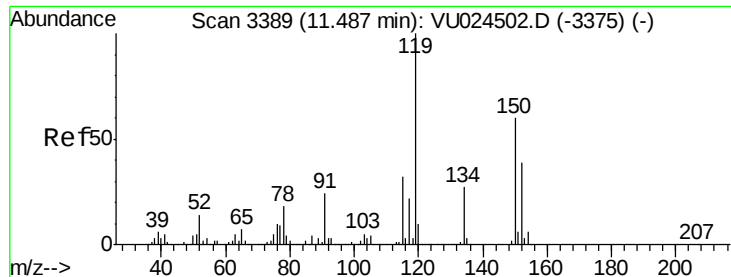
114 33.2 25.6 38.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 11.49 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VU024859.D

Acq: 23 Jun 2018 02:18

Instrument :

MSVOA_U

ClientSampleId :

WP021MW037-180621

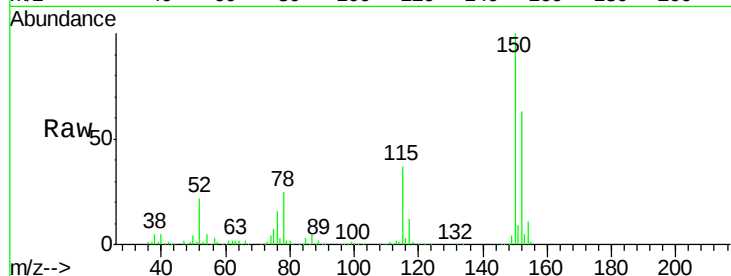
Tot Ion:152 Resp: 146848

Ion Ratio Lower Upper

152 100

115 58.0 43.0 129.0

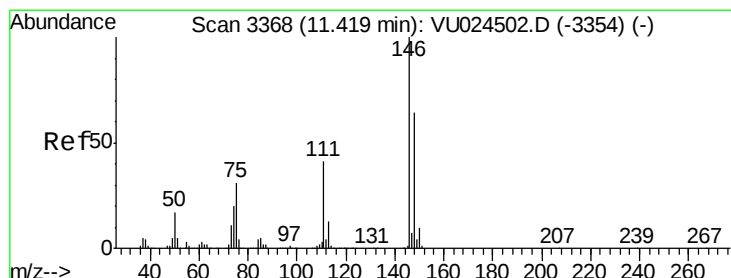
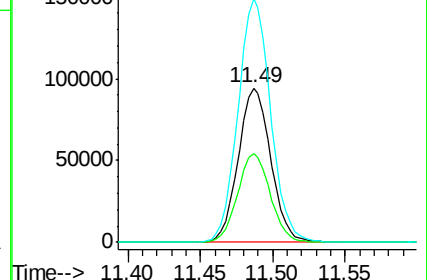
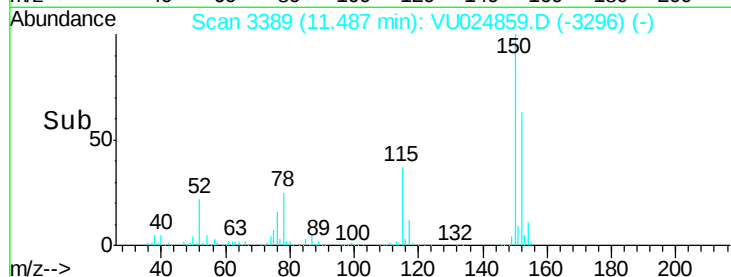
150 158.4 0.0 354.0



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



#87

1,3-Dichlorobenzene

Concen: 0.43 ug/l

RT: 11.43 min Scan# 3370

Delta R.T. 0.01 min

Lab File: VU024859.D

Acq: 23 Jun 2018 02:18

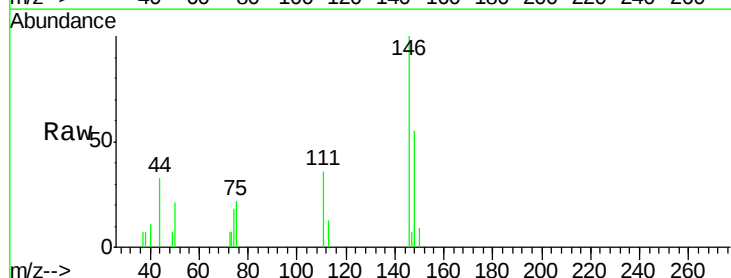
Tgt Ion:146 Resp: 2242

Ion Ratio Lower Upper

146 100

111 43.1 20.0 60.0

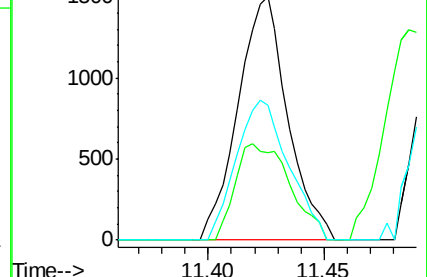
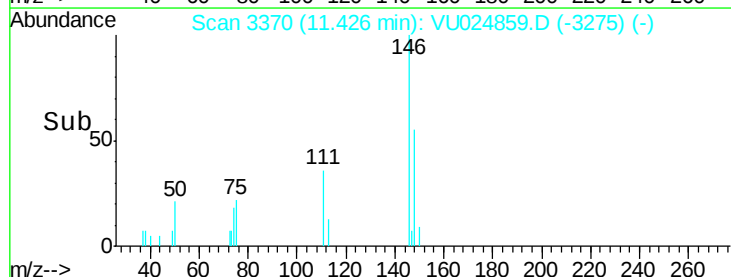
148 60.3 32.1 96.5

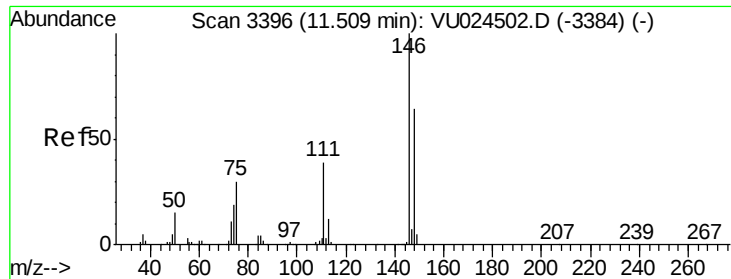


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

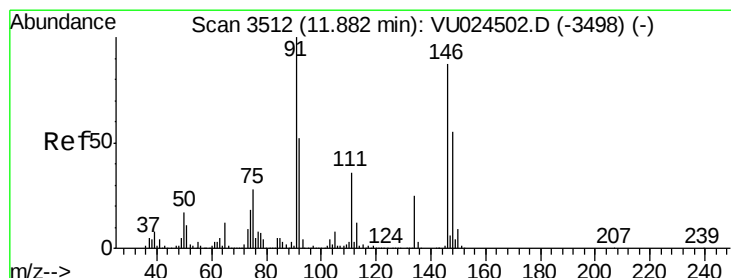
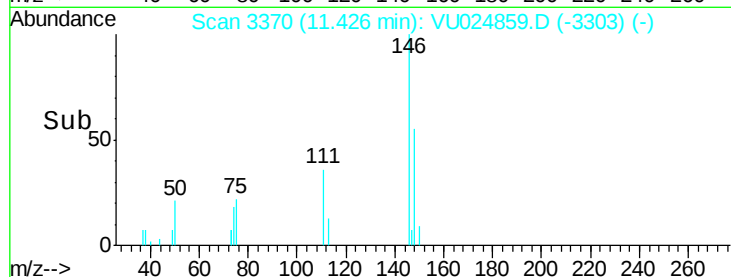
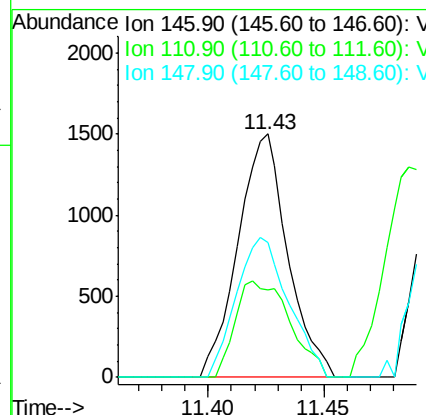
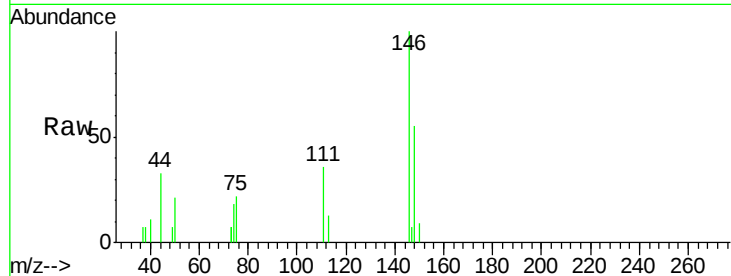




#88
 1,4-Dichlorobenzene
 Concen: 0.42 ug/l
 RT: 11.43 min Scan# 3370
 Delta R.T. -0.08 min
 Lab File: VU024859.D
 Acq: 23 Jun 2018 02:18

Instrument :
 MSVOA_U
 ClientSampleId :
 WP021MW037-180621

Tot Ion:146 Resp: 2242
 Ion Ratio Lower Upper
 146 100
 111 43.1 19.5 58.5
 148 60.3 32.4 97.0



#91
 1,2-Dichlorobenzene
 Concen: 1.46 ug/l
 RT: 11.89 min Scan# 3513
 Delta R.T. 0.00 min
 Lab File: VU024859.D
 Acq: 23 Jun 2018 02:18

Tgt Ion:146 Resp: 7732
 Ion Ratio Lower Upper
 146 100
 111 42.9 20.5 61.6
 148 70.4 31.9 95.7

