

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061618\
 Data File : VX002657.D
 Acq On : 16 Jun 2018 19:52
 Operator : JC/MD
 Sample : J3467-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-04-061118

Quant Time: Jun 18 01:39:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	212011	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	302510	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	273228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	143661	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	142377	44.19	ug/l	0.00
Spiked Amount			Recovery	=	88.38%	
35) Dibromofluoromethane	5.51	113	110116	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
50) Toluene-d8	8.72	98	429507	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	
62) 4-Bromofluorobenzene	11.14	95	141715	40.80	ug/l	0.00
Spiked Amount			Recovery	=	81.60%	

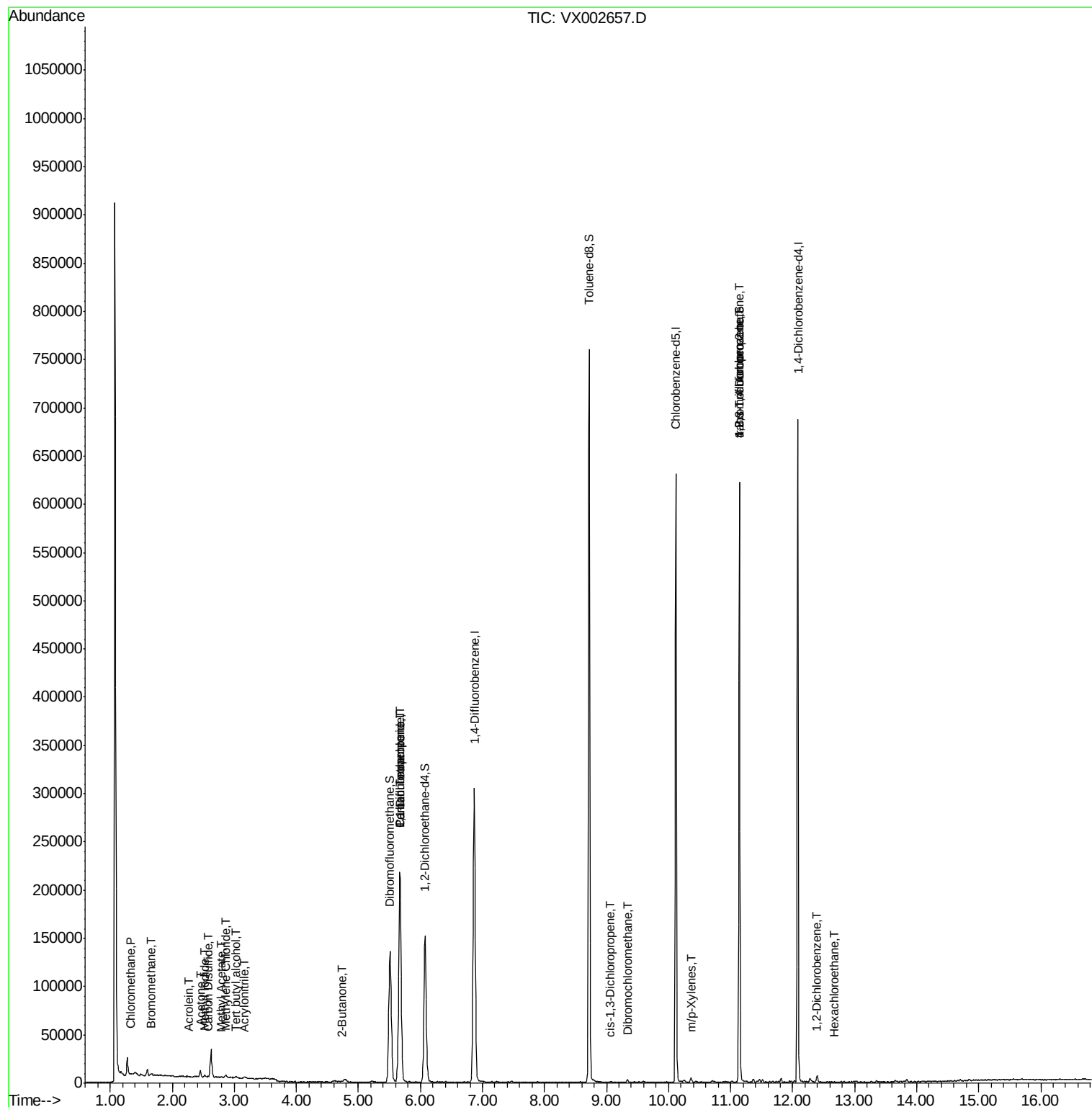
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	722	0.270	ug/l #	73
5) Bromomethane	1.67	94	1823	1.087	ug/l #	61
10) Methyl Iodide	2.52	142	2248	5.773	ug/l #	91
11) Tert butyl alcohol	3.03	59	1056	1.586	ug/l #	93
13) Acrolein	2.28	56	222	7.555	ug/l #	42
15) Acrylonitrile	3.16	53	413	0.284	ug/l #	66
16) Acetone	2.45	43	8431	5.931	ug/l	100
17) Carbon Disulfide	2.57	76	1210	0.215	ug/l #	93
18) Methyl Acetate	2.79	43	798	0.211	ug/l #	69
20) Methylene Chloride	2.86	84	1039	0.357	ug/l	88
25) 2-Butanone	4.72	43	724	0.388	ug/l #	52
36) 1,1-Dichloropropene	5.67	75	15048	4.684	ug/l #	51
38) Carbon Tetrachloride	5.67	117	19843	6.202	ug/l #	15
54) cis-1,3-Dichloropropene	9.06	75	192	3.260	ug/l #	35
60) Dibromochloromethane	9.34	129	149	3.810	ug/l #	11
68) m/p-Xylenes	10.36	106	1173	0.269	ug/l	94
76) 1,2,3-Trichloropropane	11.14	75	76768	28.319	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	76768	87.215	ug/l #	7
90) Hexachloroethane	12.68	117	51	2.660	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	1595	0.323	ug/l	97

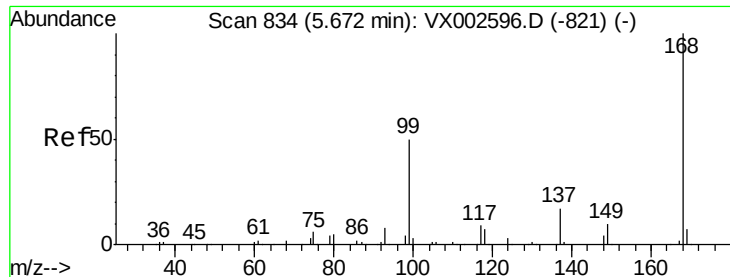
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.01 min

Lab File: VX002657.D

Acq: 16 Jun 2018 19:52

Instrument :

MSVOA_X

ClientSampleId :

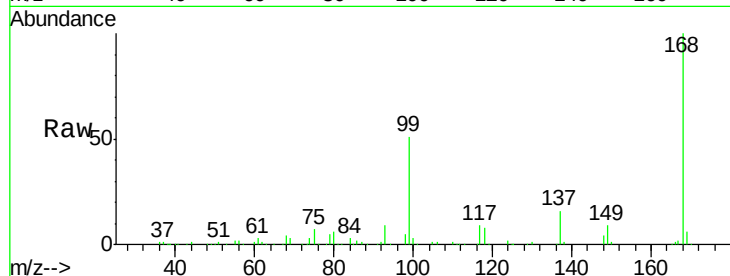
PR-MW-04-061118

Tot Ion:168 Resp: 212011

Ion Ratio Lower Upper

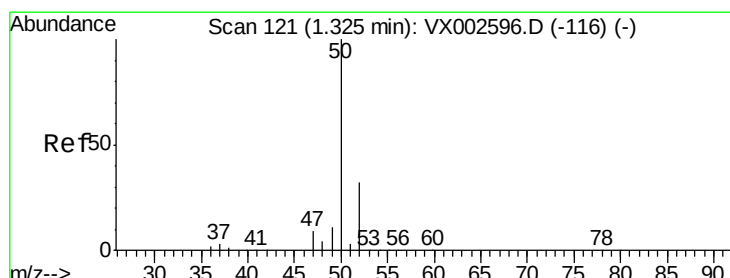
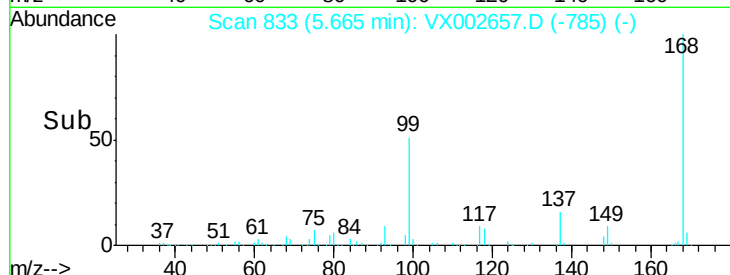
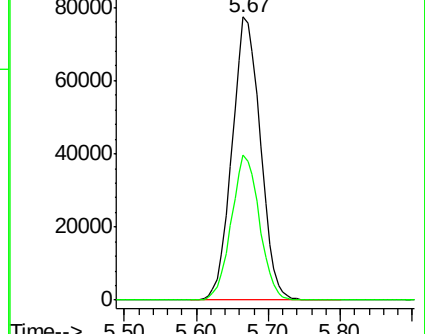
168 100

99 51.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.270 ug/l

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX002657.D

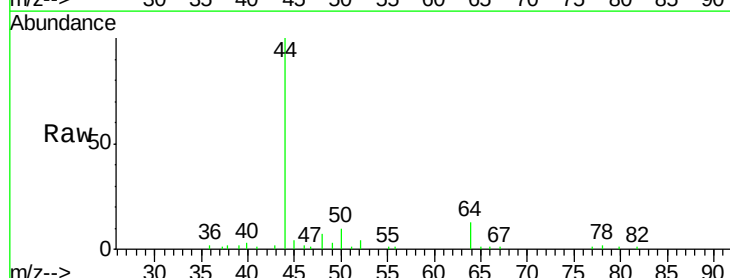
Acq: 16 Jun 2018 19:52

Tgt Ion: 50 Resp: 722

Ion Ratio Lower Upper

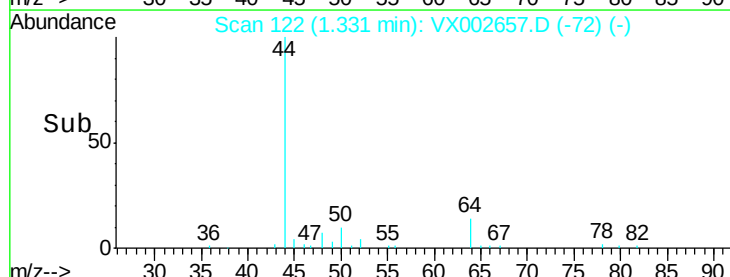
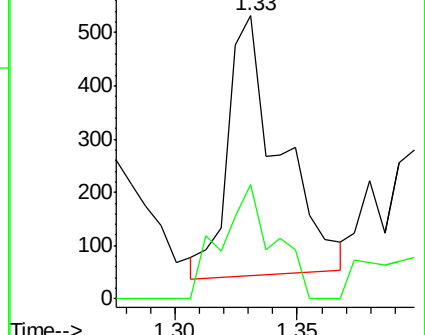
50 100

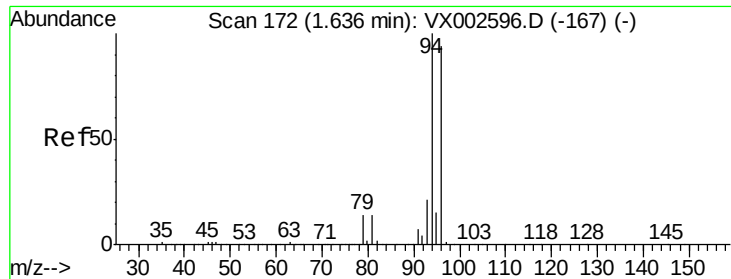
52 47.2 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 1.087 ug/l

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX002657.D

Acq: 16 Jun 2018 19:52

Instrument :

MSVOA_X

ClientSampleId :

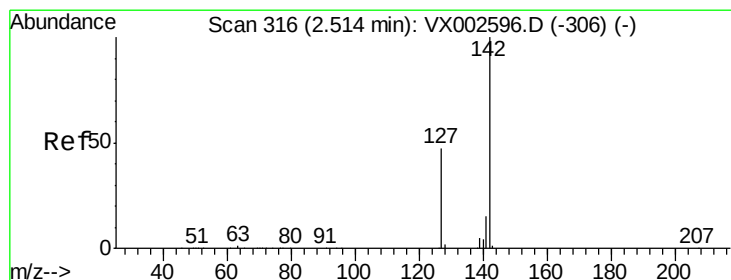
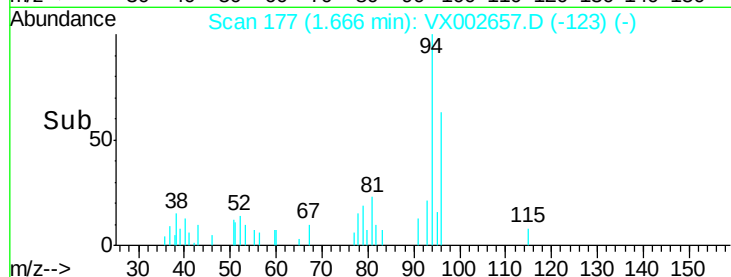
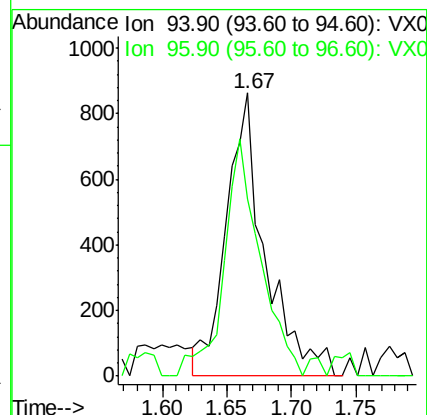
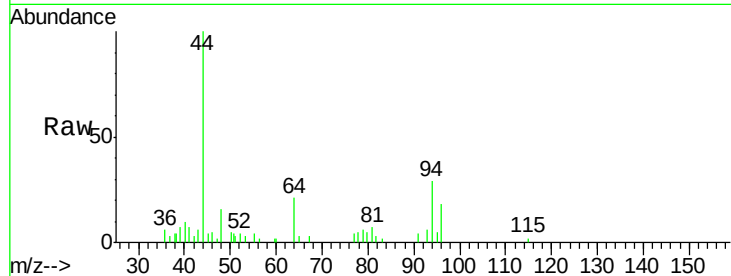
PR-MW-04-061118

Tot Ion: 94 Resp: 1823

Ion Ratio Lower Upper

94 100

96 55.9 74.9 112.3#



#10

Methyl Iodide

Concen: 5.773 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX002657.D

Acq: 16 Jun 2018 19:52

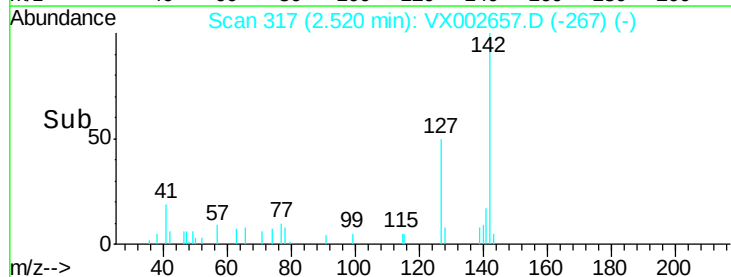
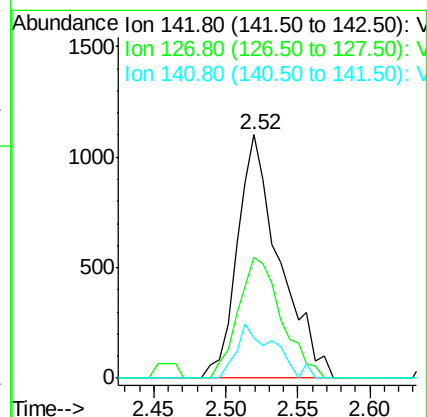
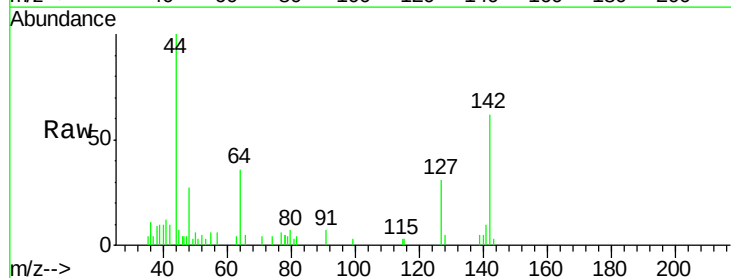
Tgt Ion:142 Resp: 2248

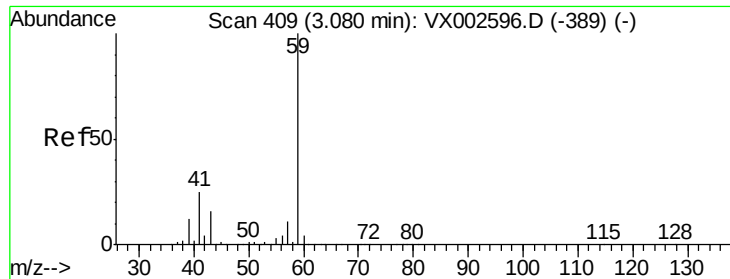
Ion Ratio Lower Upper

142 100

127 50.7 36.6 55.0

141 19.5 11.3 16.9#



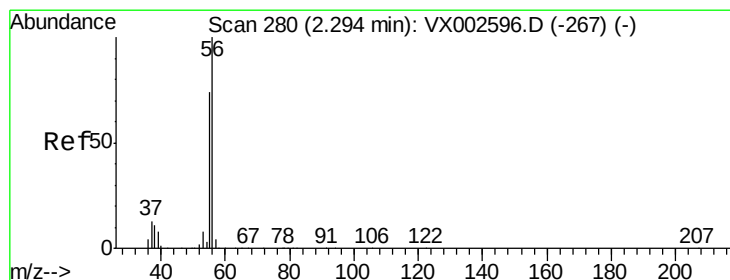
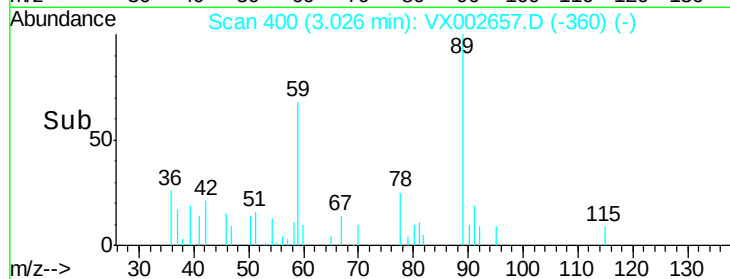
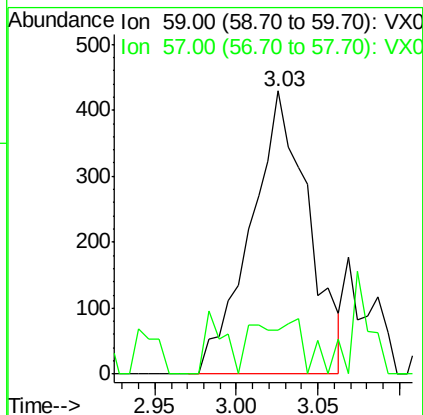
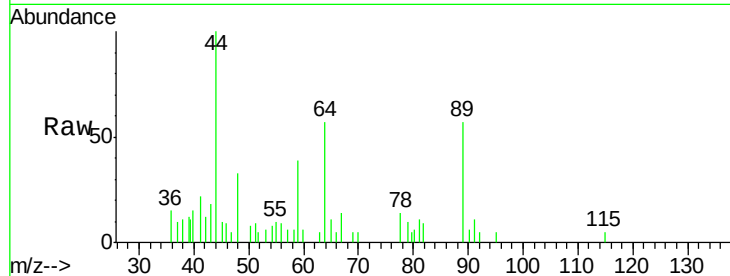


#11

Tert butyl alcohol
 Concen: 1.586 ug/l
 RT: 3.03 min Scan# 400
 Delta R.T. -0.05 min
 Lab File: VX002657.D
 Acq: 16 Jun 2018 19:52

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-04-061118

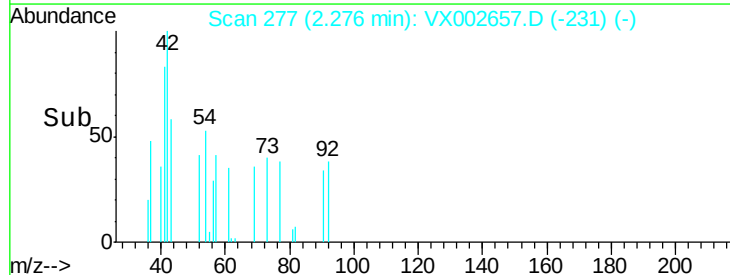
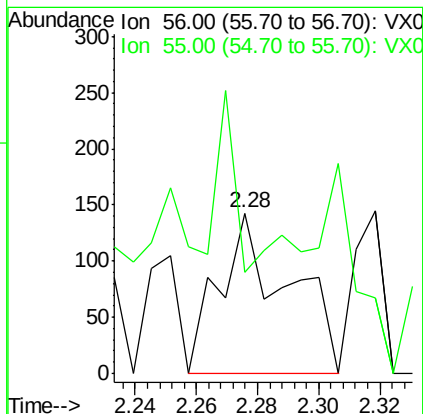
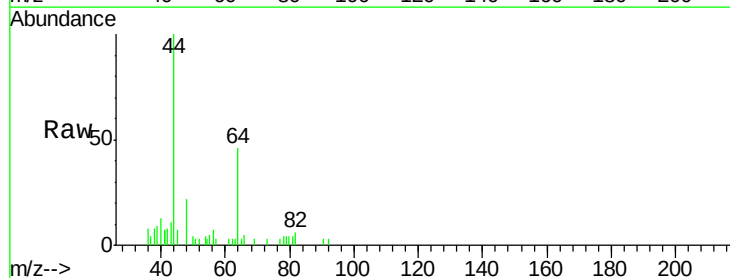
Tot Ion: 59 Resp: 1056
 Ion Ratio Lower Upper
 59 100
 57 7.5 8.2 12.2#

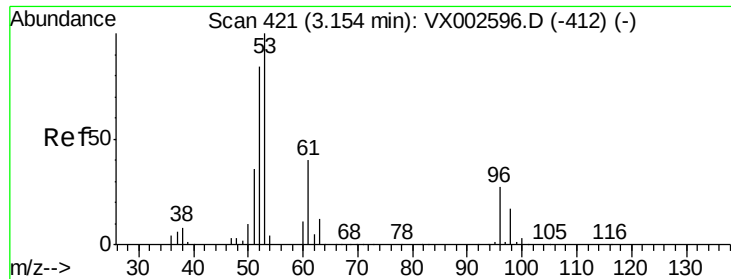


#13

Acrolein
 Concen: 7.555 ug/l
 RT: 2.28 min Scan# 277
 Delta R.T. -0.02 min
 Lab File: VX002657.D
 Acq: 16 Jun 2018 19:52

Tgt Ion: 56 Resp: 222
 Ion Ratio Lower Upper
 56 100
 55 23.0 57.0 85.4#





#15

Acrylonitrile

Concen: 0.284 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX002657.D

Acq: 16 Jun 2018 19:52

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-04-061118

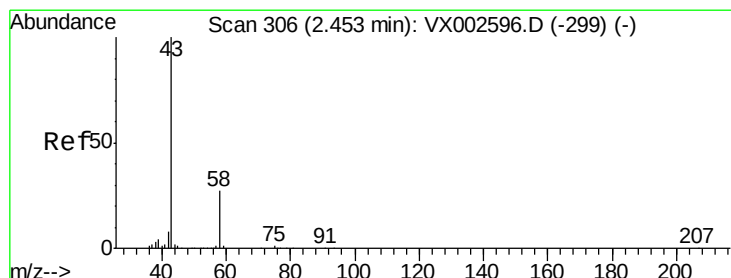
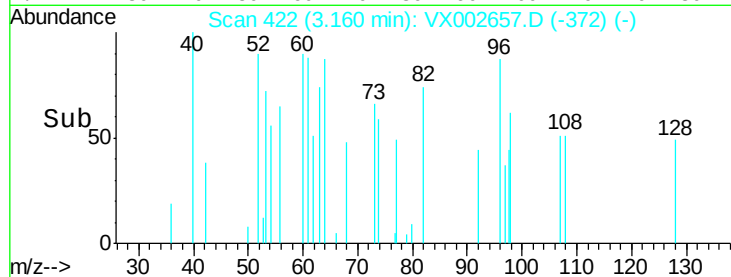
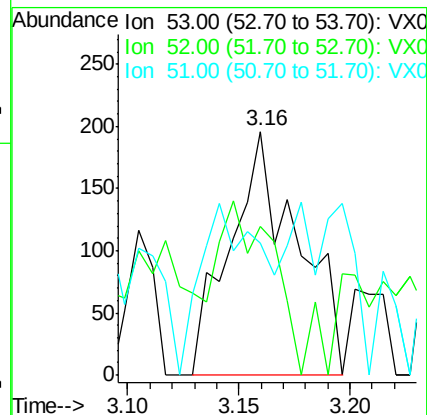
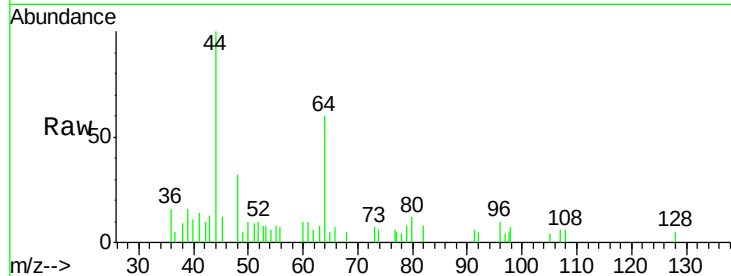
Tot Ion: 53 Resp: 413

Ion Ratio Lower Upper

53 100

52 55.9 66.7 100.1#

51 62.7 29.9 44.9#



#16

Acetone

Concen: 5.931 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX002657.D

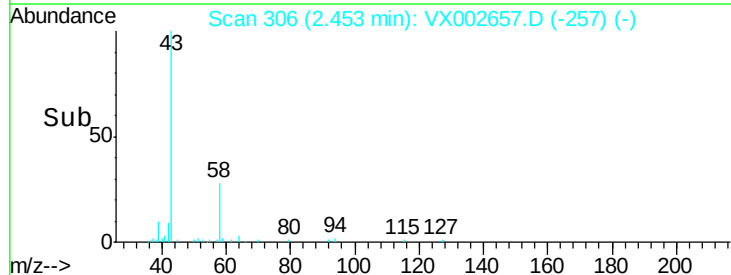
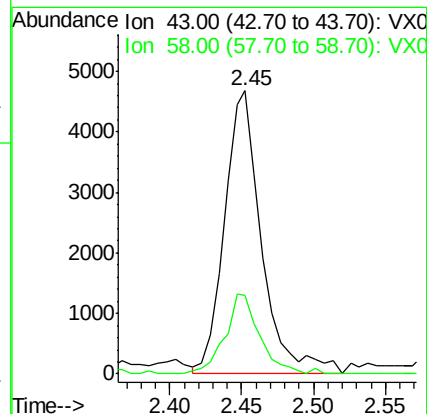
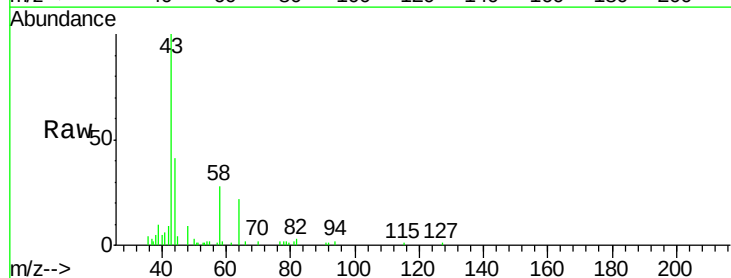
Acq: 16 Jun 2018 19:52

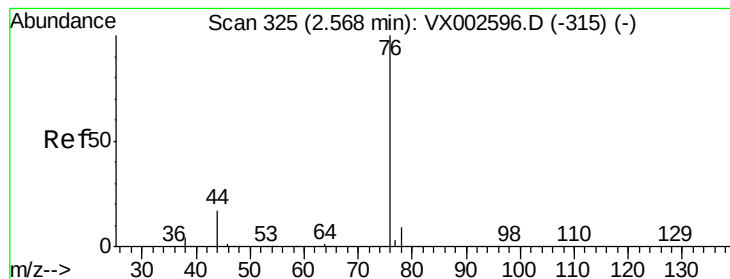
Tgt Ion: 43 Resp: 8431

Ion Ratio Lower Upper

43 100

58 27.8 22.1 33.1





#17

Carbon Disulfide

Concen: 0.215 ug/l

RT: 2.57 min Scan# 326

Delta R.T. 0.01 min

Lab File: VX002657.D

Acq: 16 Jun 2018 19:52

Instrument :

MSVOA_X

ClientSampleId :

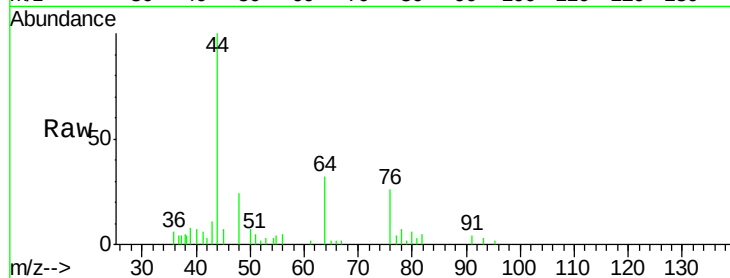
PR-MW-04-061118

Tot Ion: 76 Resp: 1210

Ion Ratio Lower Upper

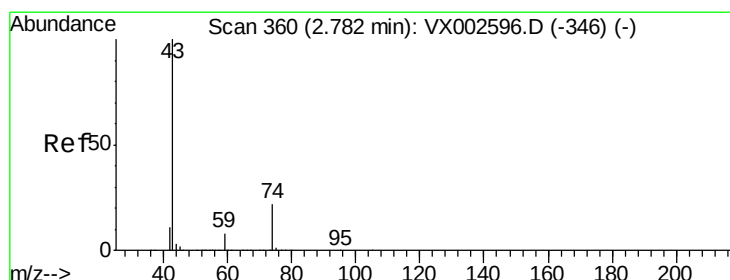
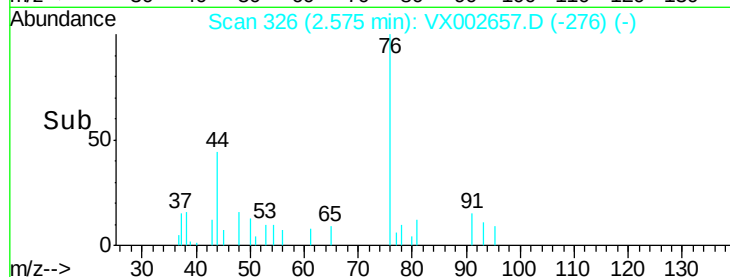
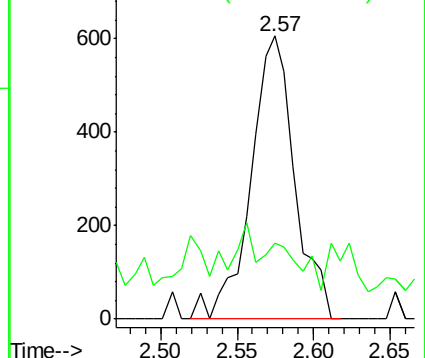
76 100

78 6.3 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 0.211 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX002657.D

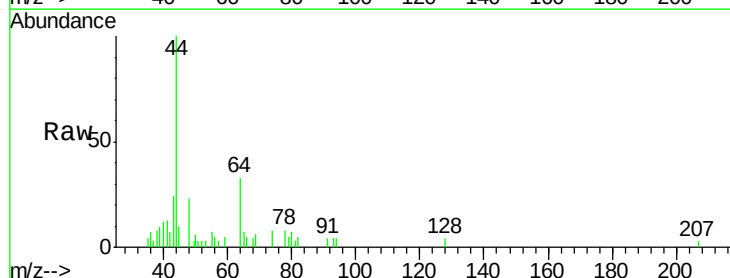
Acq: 16 Jun 2018 19:52

Tgt Ion: 43 Resp: 798

Ion Ratio Lower Upper

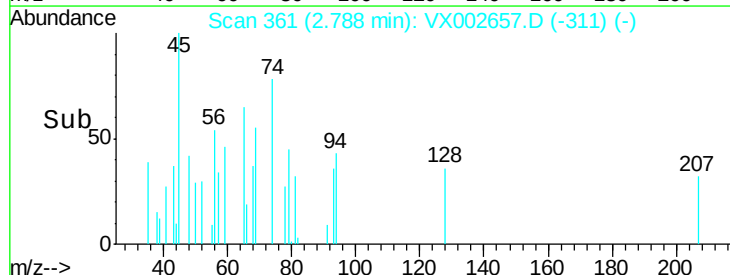
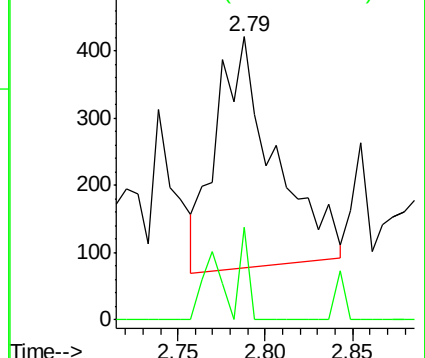
43 100

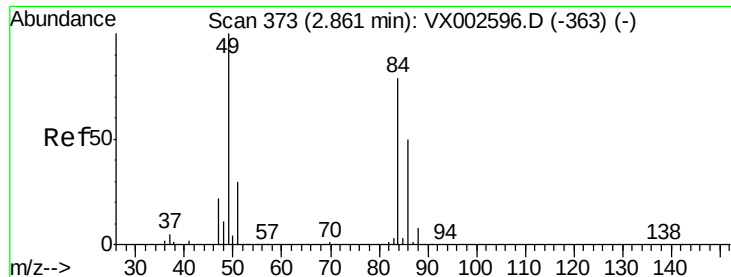
74 6.3 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

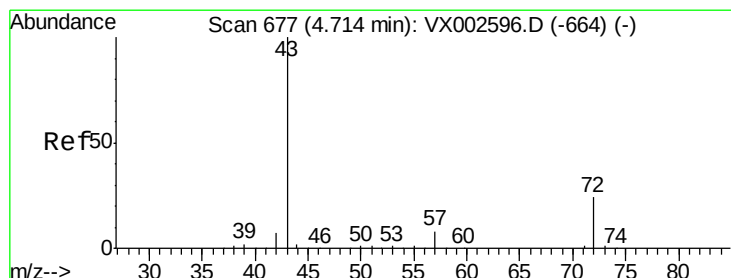
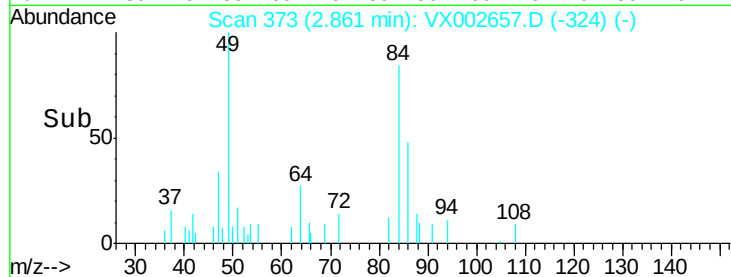
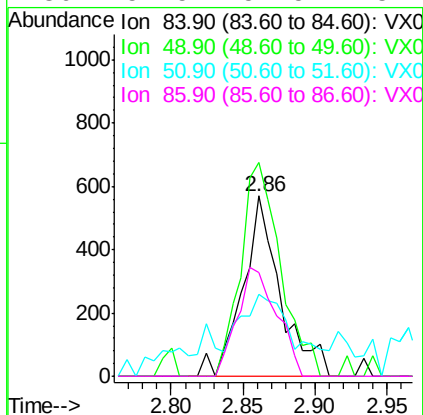
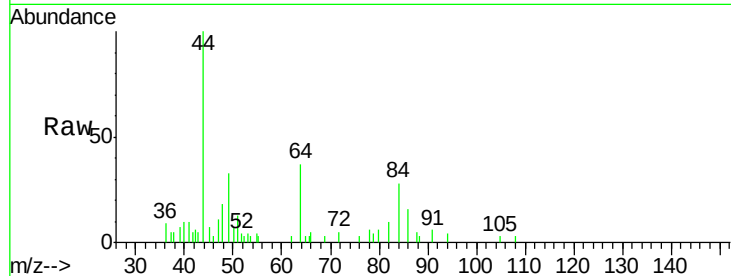




#20
Methylene Chloride
Concen: 0.357 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX002657.D
Acq: 16 Jun 2018 19:52

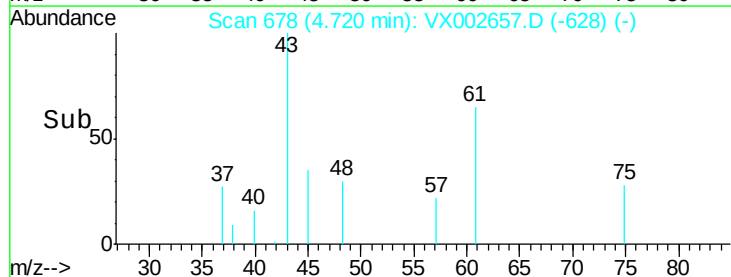
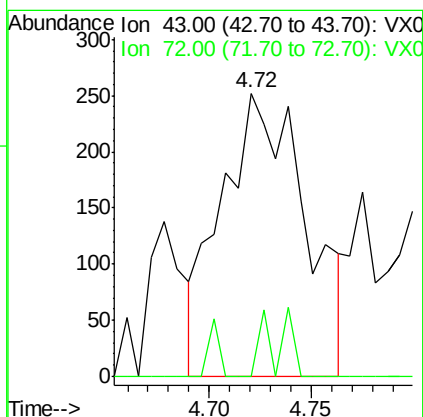
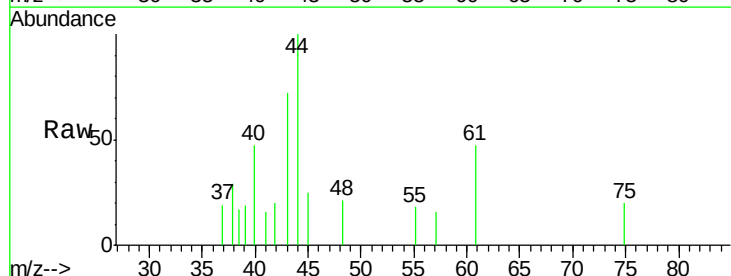
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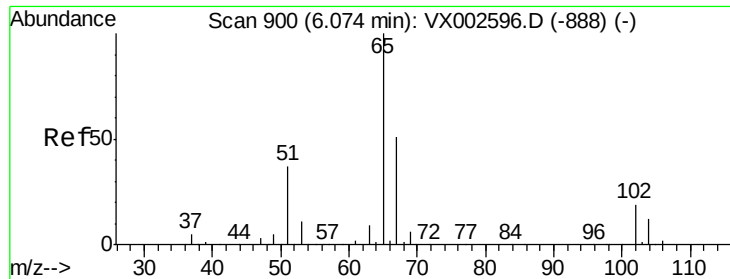
Tot Ion:	84	Resp:	1039
Ion	Ratio	Lower	Upper
84	100		
49	118.6	107.8	161.6
51	34.4	32.8	49.2
86	57.5	52.5	78.7



#25
2-Butanone
Concen: 0.388 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX002657.D
Acq: 16 Jun 2018 19:52

Tgt Ion:	43	Resp:	724
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.5	27.7#

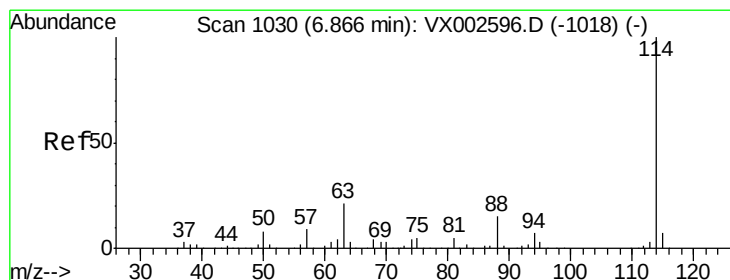
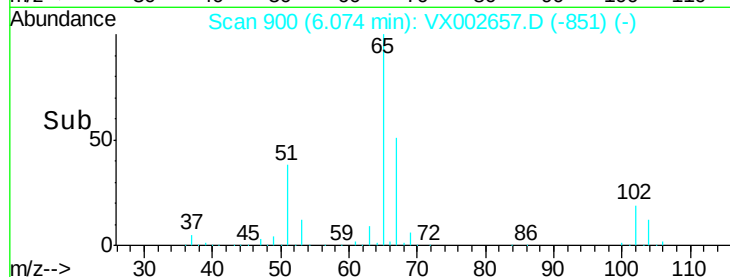
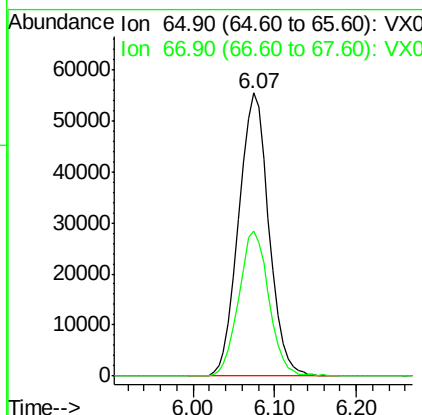
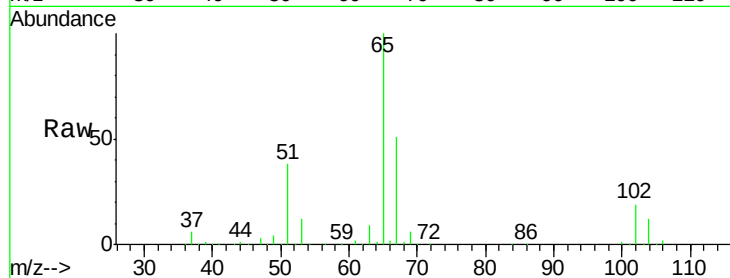




#33
 1,2-Dichloroethane-d4
 Concen: 44.192 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX002657.D
 Acq: 16 Jun 2018 19:52

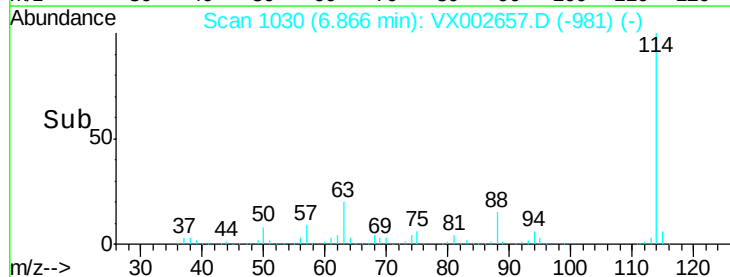
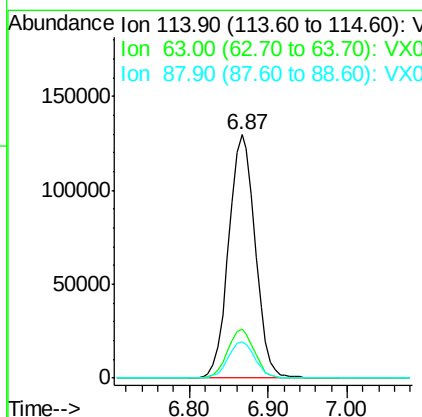
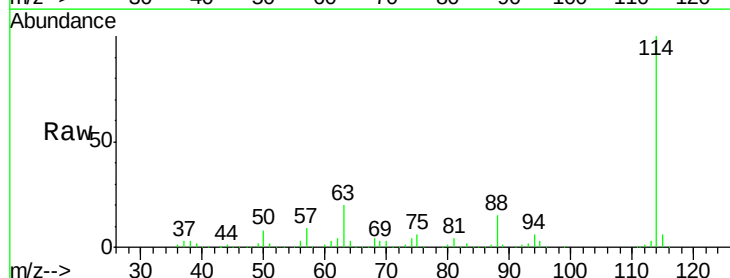
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 PR-MW-04-061118

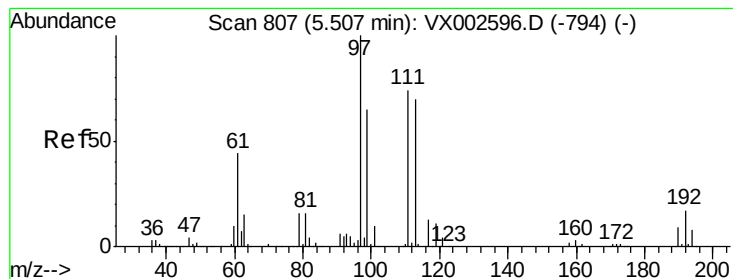
Tot Ion: 65 Resp: 142377
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002657.D
 Acq: 16 Jun 2018 19:52

Tgt Ion: 114 Resp: 302510
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 41.4
 88 14.9 0.0 30.0





#35

Dibromofluoromethane

Concen: 45.609 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX002657.D

Acq: 16 Jun 2018 19:52

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-04-061118

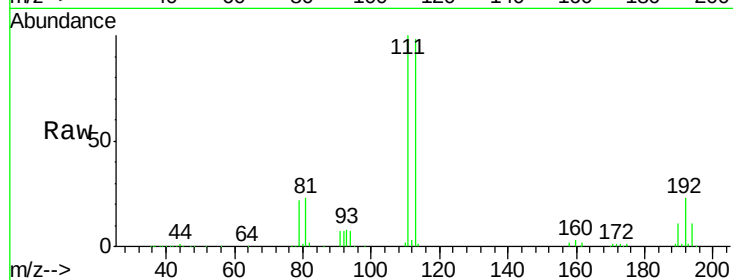
Tot Ion:113 Resp: 110116

Ion Ratio Lower Upper

113 100

111 102.3 81.4 122.0

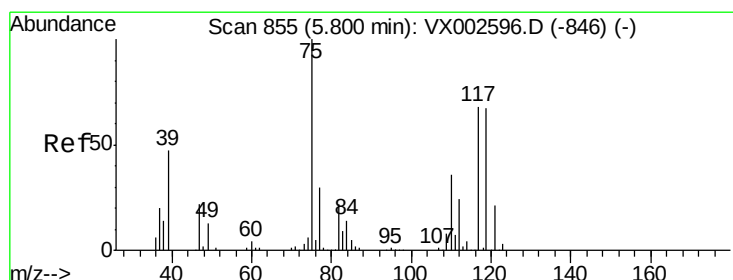
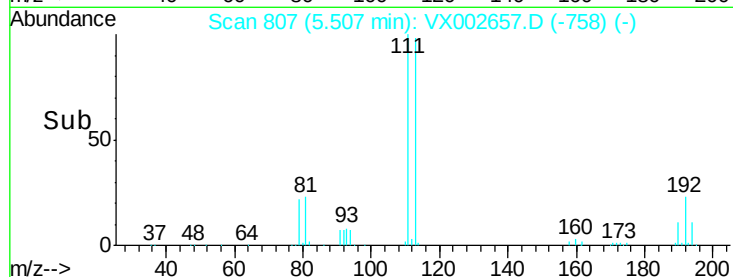
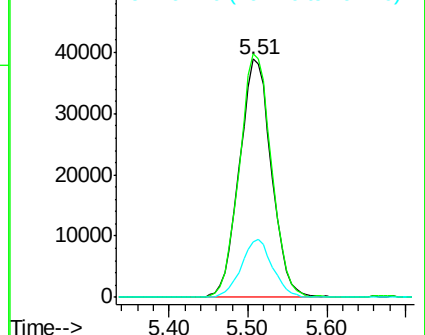
192 23.7 19.1 28.7



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



#36

1,1-Dichloropropene

Concen: 4.684 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002657.D

Acq: 16 Jun 2018 19:52

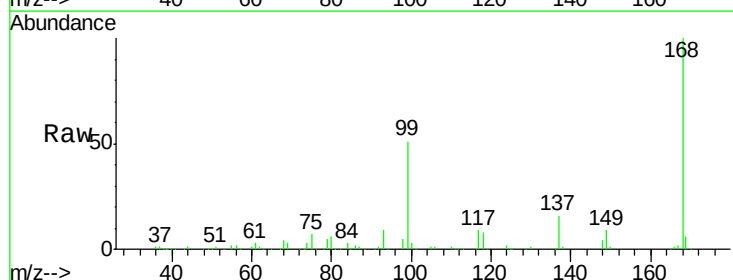
Tgt Ion: 75 Resp: 15048

Ion Ratio Lower Upper

75 100

110 10.1 18.1 54.4#

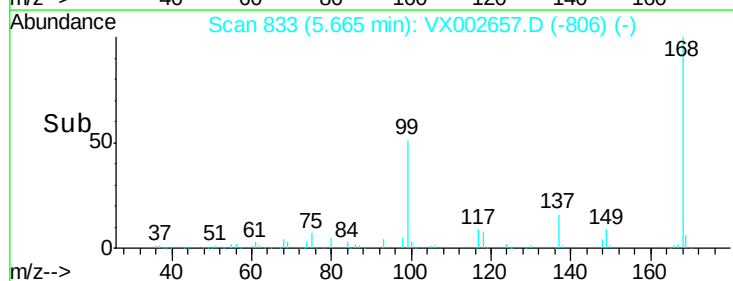
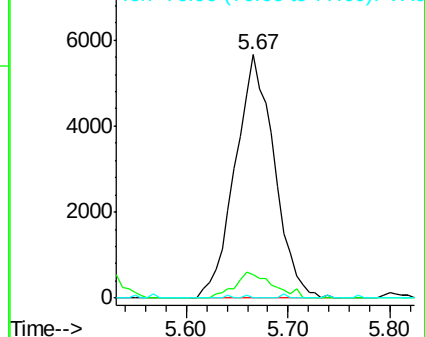
77 0.2 24.3 36.5#

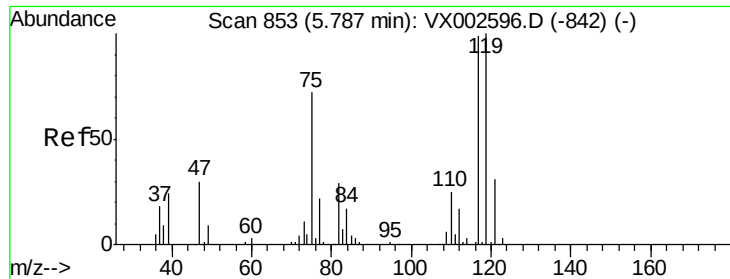


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.202 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002657.D

Acq: 16 Jun 2018 19:52

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-04-061118

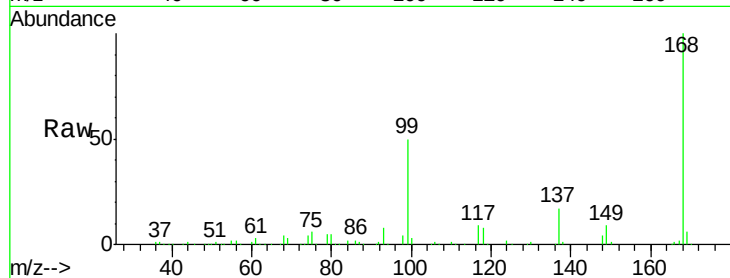
Tot Ion:117 Resp: 19843

Ion Ratio Lower Upper

117 100

119 4.0 77.4 116.0#

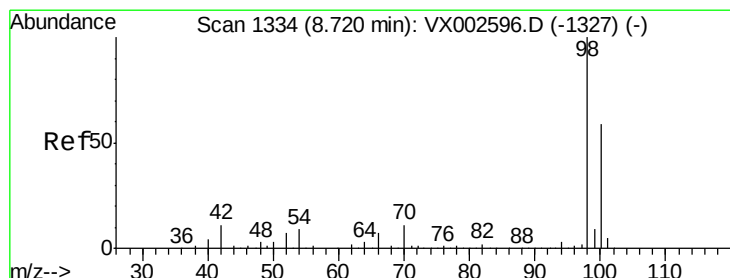
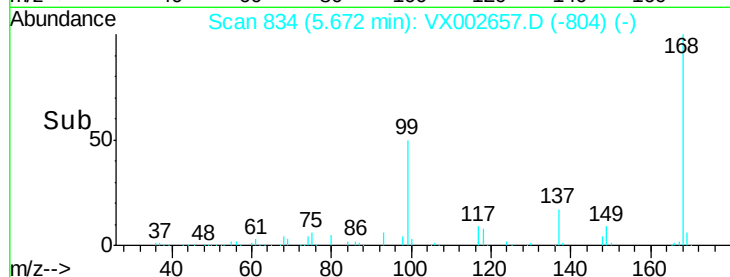
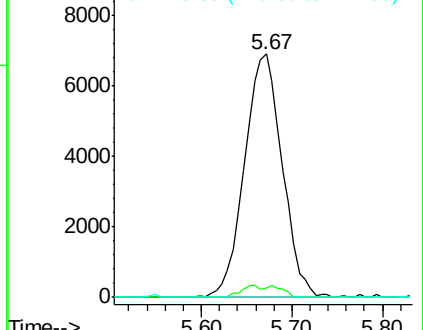
121 0.0 24.4 36.6#



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



#50

Toluene-d8

Concen: 46.853 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002657.D

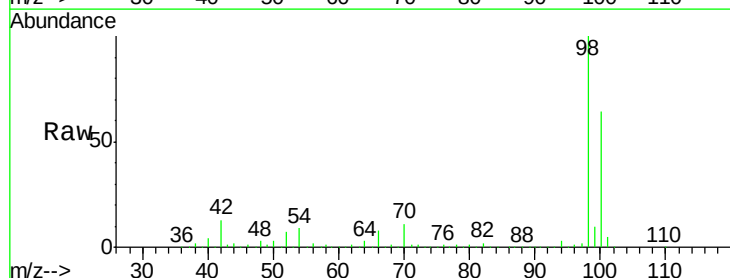
Acq: 16 Jun 2018 19:52

Tgt Ion: 98 Resp: 429507

Ion Ratio Lower Upper

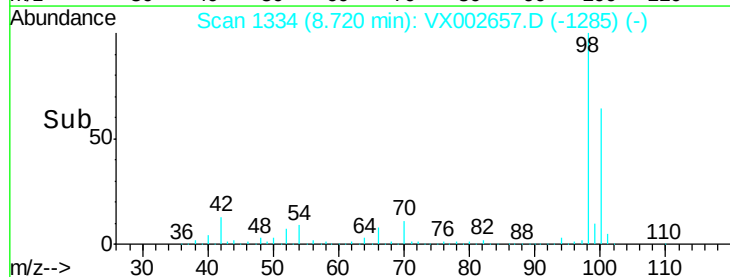
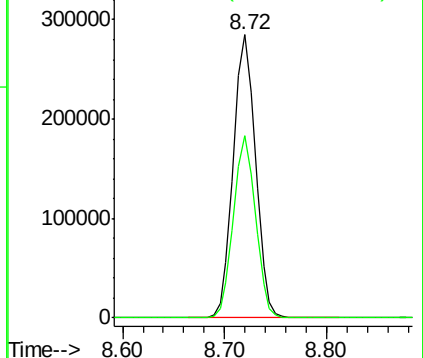
98 100

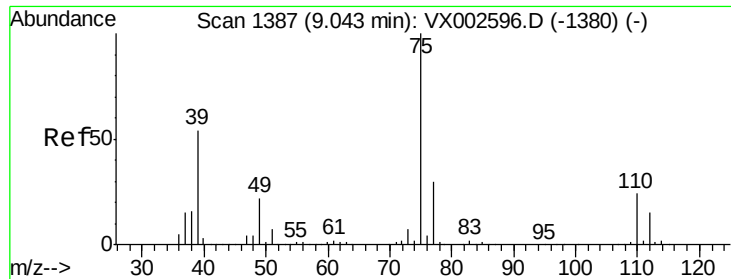
100 63.8 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



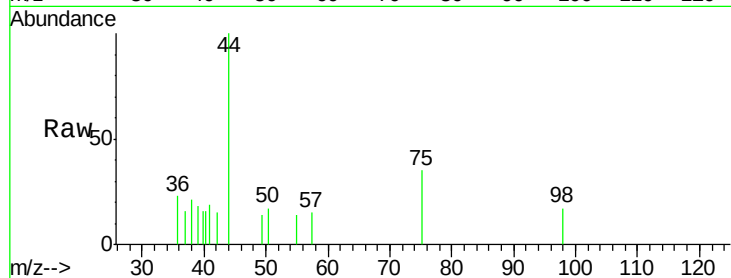


#54

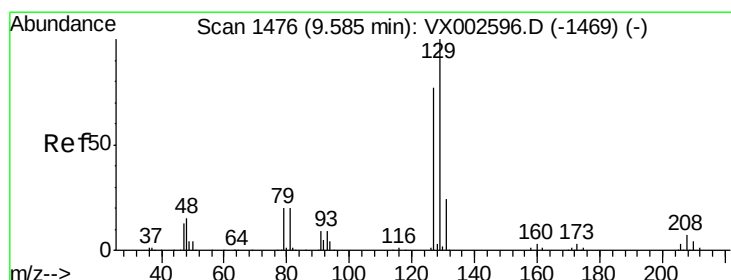
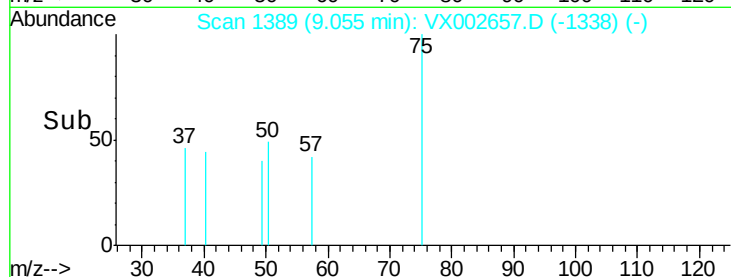
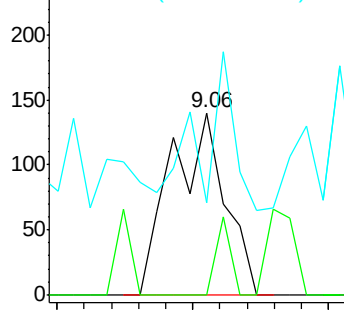
cis-1,3-Dichloropropene
Concen: 3.260 ug/l
RT: 9.06 min Scan# 1389
Delta R.T. 0.01 min
Lab File: VX002657.D
Acq: 16 Jun 2018 19:52

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-04-061118

Tot Ion: 75 Resp: 192
Ion Ratio Lower Upper
75 100
77 0.0 24.8 37.2#
39 2.9 42.4 63.6#



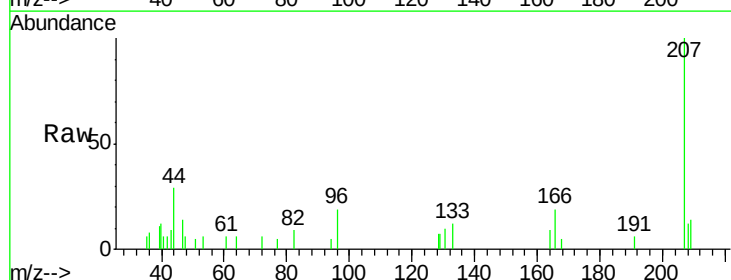
Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0



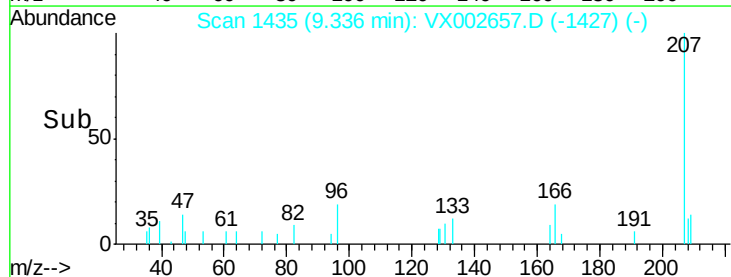
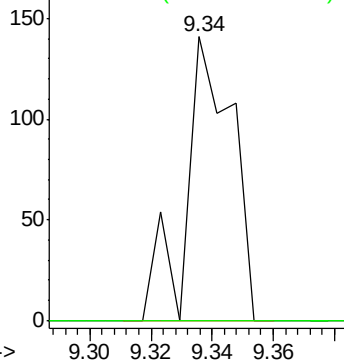
#60

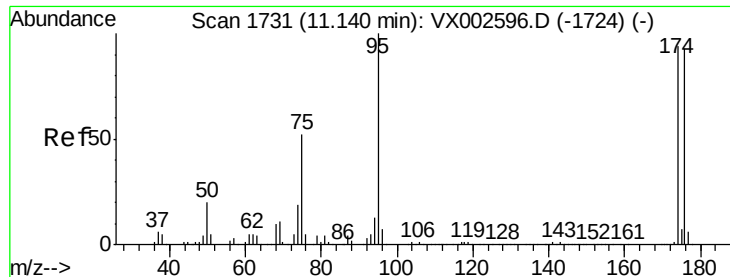
Dibromochloromethane
Concen: 3.810 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. -0.25 min
Lab File: VX002657.D
Acq: 16 Jun 2018 19:52

Tgt Ion: 129 Resp: 149
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

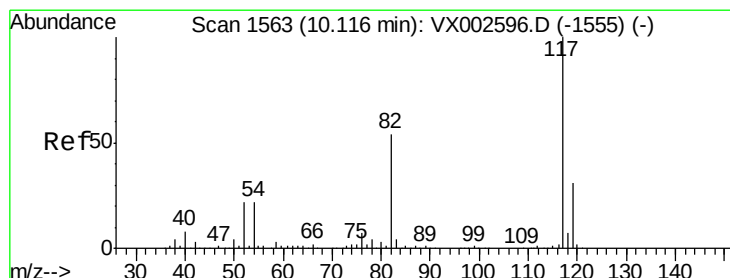
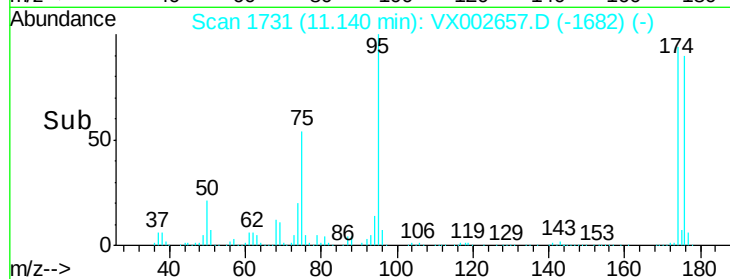
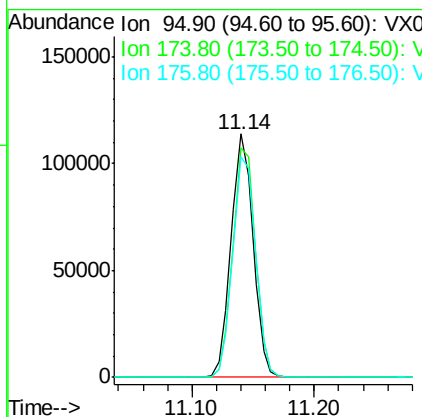
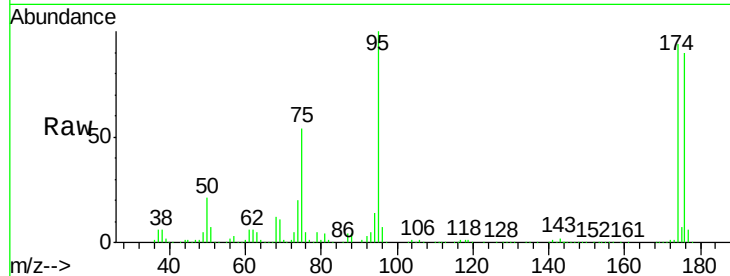




#62
4-Bromofluorobenzene
Concen: 40.796 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002657.D
Acq: 16 Jun 2018 19:52

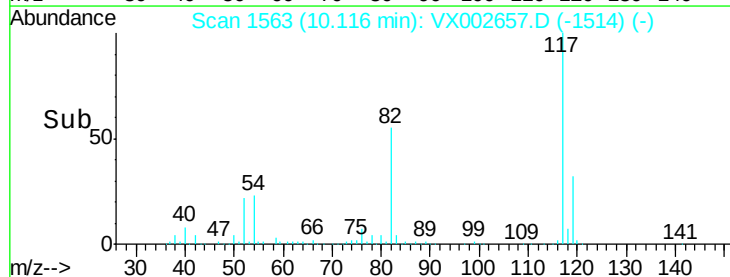
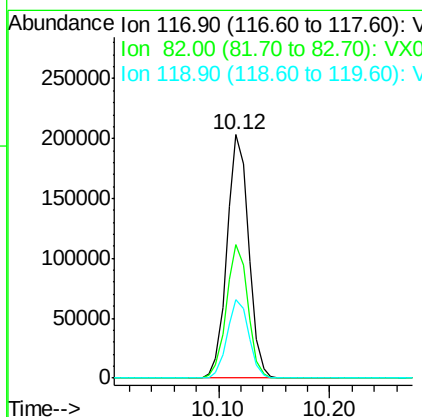
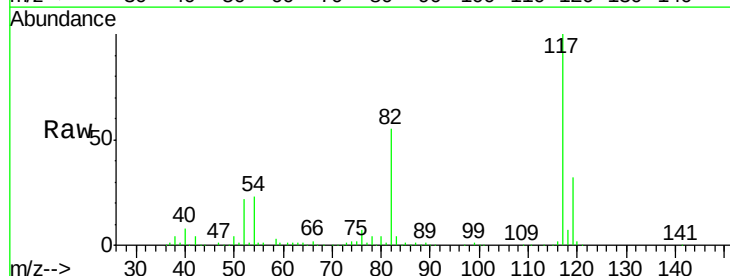
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-04-061118

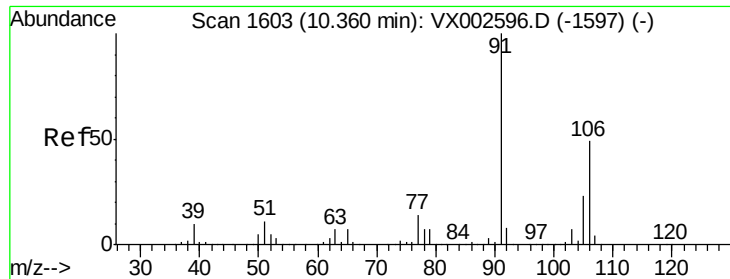
Tot Ion: 95 Resp: 141715
Ion Ratio Lower Upper
95 100
174 97.2 0.0 187.4
176 93.5 0.0 181.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002657.D
Acq: 16 Jun 2018 19:52

Tgt Ion: 117 Resp: 273228
Ion Ratio Lower Upper
117 100
82 54.9 45.0 67.4
119 32.4 25.8 38.6

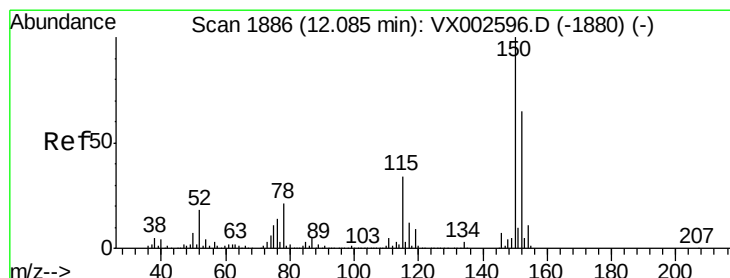
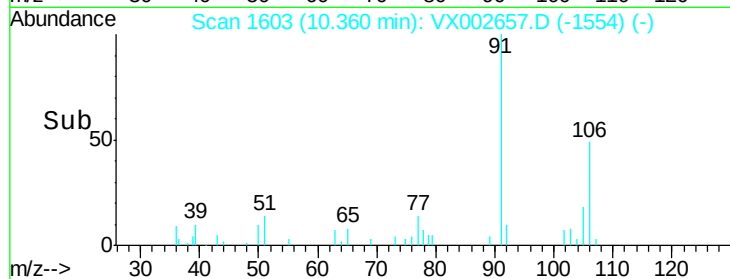
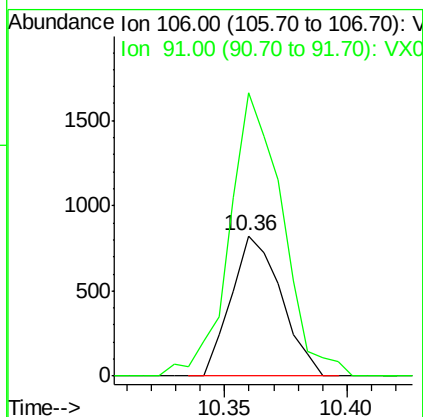
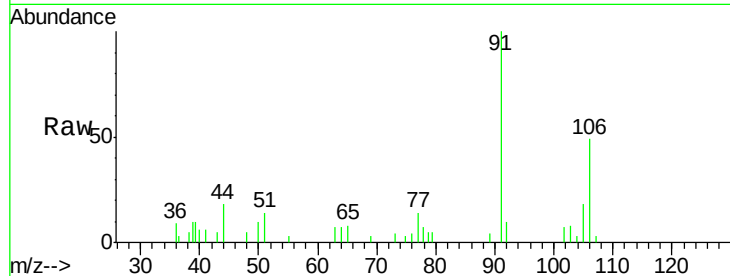




#68
m/p-Xvlenes
Concen: 0.269 ug/l
RT: 10.36 min Scan# 1603
Delta R.T. 0.00 min
Lab File: VX002657.D
Acq: 16 Jun 2018 19:52

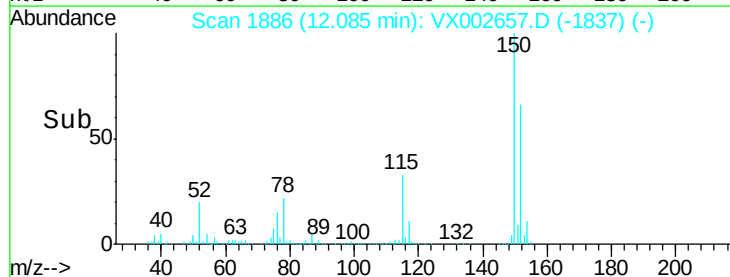
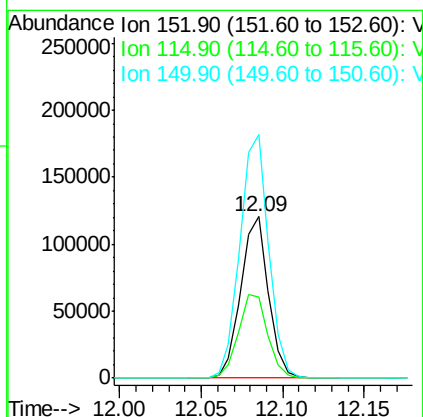
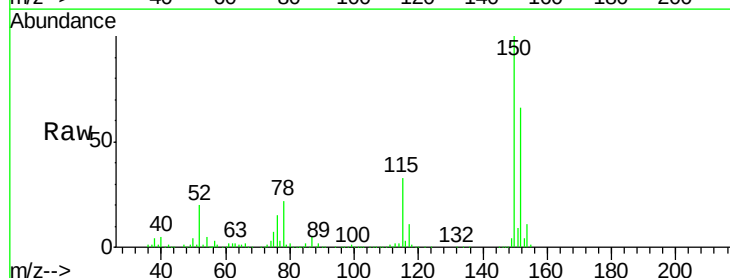
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-04-061118

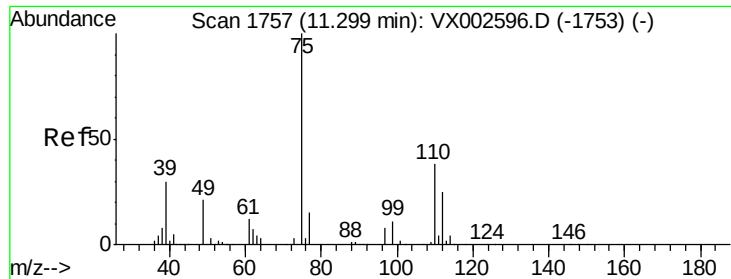
Tot Ion:106 Resp: 1173
Ion Ratio Lower Upper
106 100
91 213.0 163.4 245.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX002657.D
Acq: 16 Jun 2018 19:52

Tgt Ion:152 Resp: 143661
Ion Ratio Lower Upper
152 100
115 54.4 40.1 120.2
150 156.3 0.0 347.2





#76

1,2,3-Trichloropropane

Concen: 28.319 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX002657.D

Acq: 16 Jun 2018 19:52

Instrument :

MSVOA_X

ClientSampleId :

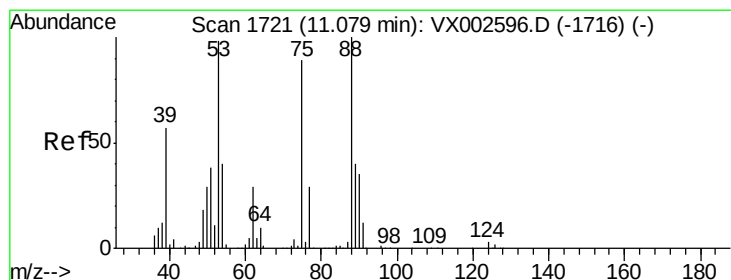
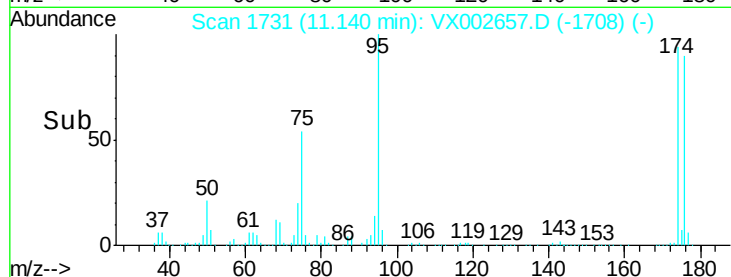
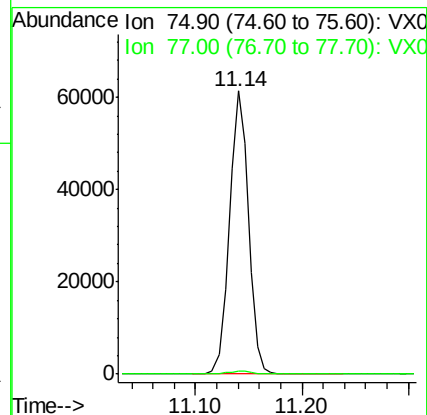
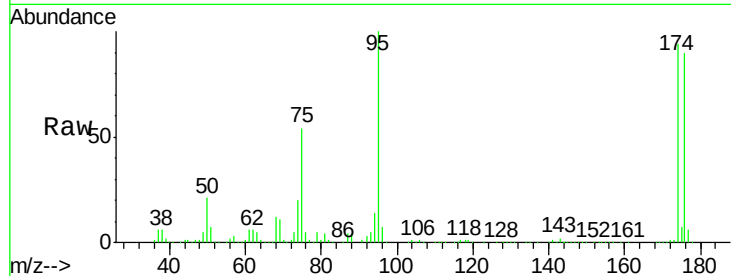
PR-MW-04-061118

Tot Ion: 75 Resp: 76768

Ion Ratio Lower Upper

75 100

77 1.2 22.8 68.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.215 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002657.D

Acq: 16 Jun 2018 19:52

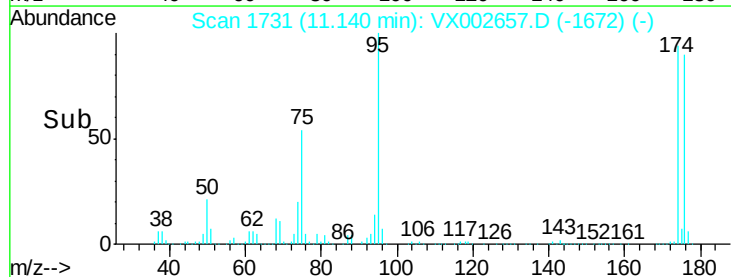
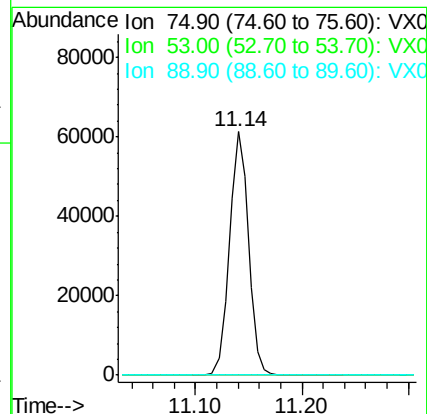
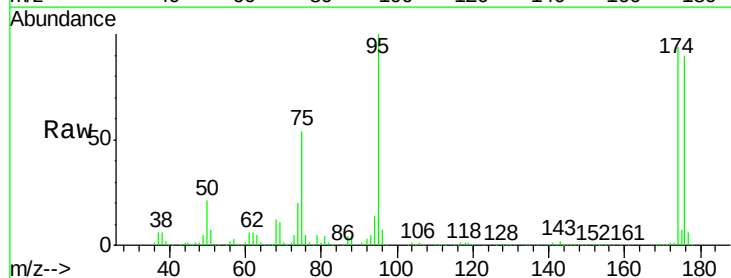
Tgt Ion: 75 Resp: 76768

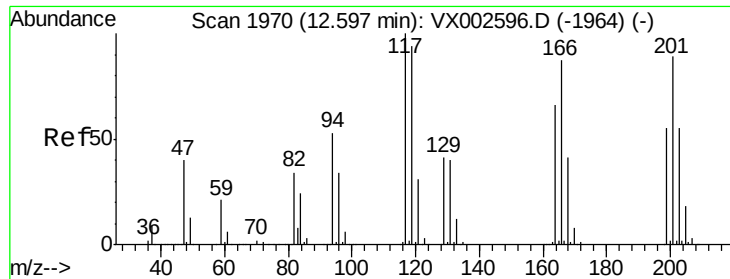
Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#





#90

Hexachloroethane

Concen: 2.660 ug/l

RT: 12.68 min Scan# 1983

Delta R.T. 0.08 min

Lab File: VX002657.D

Acq: 16 Jun 2018 19:52

Instrument :

MSVOA_X

ClientSampleId :

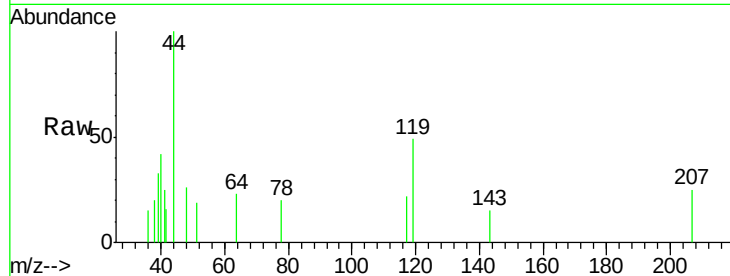
PR-MW-04-061118

Tot Ion:117 Resp: 51

Ion Ratio Lower Upper

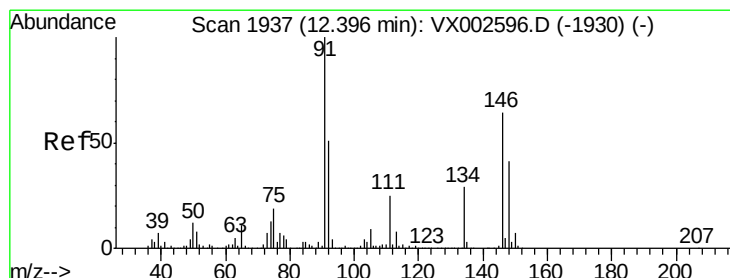
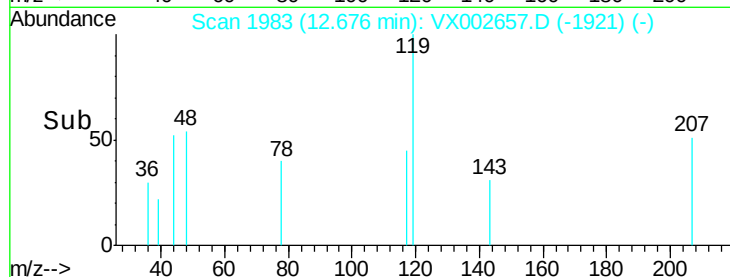
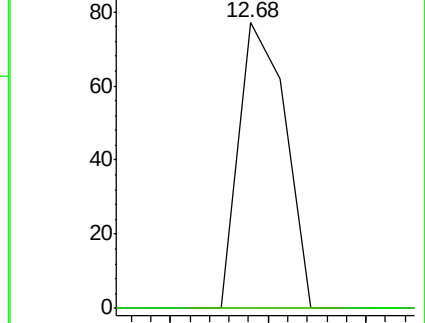
117 100

201 0.0 49.0 147.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.323 ug/l

RT: 12.40 min Scan# 1937

Delta R.T. 0.00 min

Lab File: VX002657.D

Acq: 16 Jun 2018 19:52

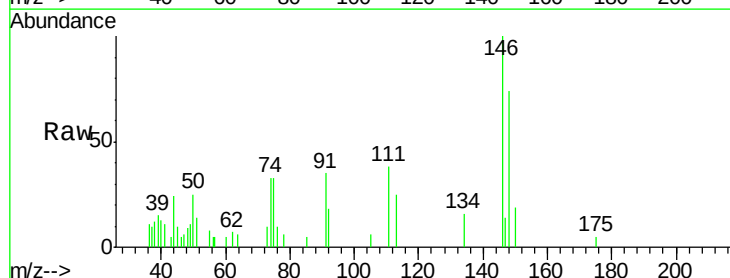
Tgt Ion:146 Resp: 1595

Ion Ratio Lower Upper

146 100

111 40.4 19.4 58.1

148 66.4 31.7 95.1



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

