

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006448.D
 Acq On : 12 Dec 2018 16:39
 Operator : JC/MD
 Sample : J6358-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-FW-MW01-20181210

Quant Time: Dec 13 06:11:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	723414	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1110568	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1001118	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	476304	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	372258	50.41	ug/l	0.00
Spiked Amount			Recovery	=	100.82%	
35) Dibromofluoromethane	5.51	113	337609	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
50) Toluene-d8	8.71	98	1297796	49.62	ug/l	0.00
Spiked Amount			Recovery	=	99.24%	
62) 4-Bromofluorobenzene	11.13	95	472635	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	

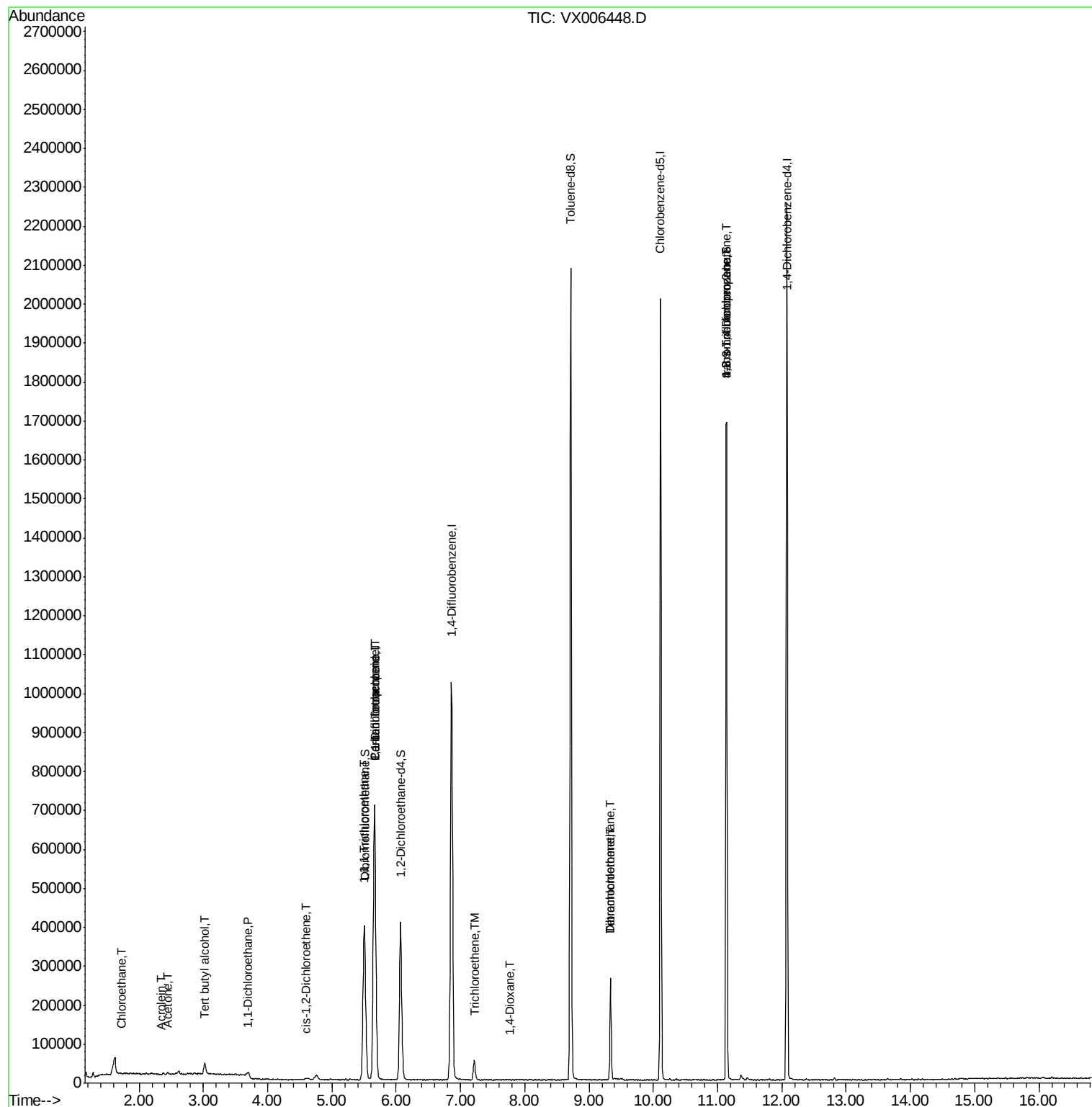
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.73	64	978	0.204	ug/l #	64
11) Tert butyl alcohol	3.02	59	16622	8.230	ug/l #	77
13) Acrolein	2.34	56	358	0.324	ug/l #	20
16) Acetone	2.45	43	5101	1.472	ug/l #	85
24) 1,1-Dichloroethane	3.70	63	17164	1.487	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	2059	0.265	ug/l	91
32) 1,1,1-Trichloroethane	5.49	97	8491	0.736	ug/l #	42
36) 1,1-Dichloropropene	5.66	75	44652	4.775	ug/l #	49
38) Carbon Tetrachloride	5.67	117	65917	5.991	ug/l #	16
44) Trichloroethene	7.22	130	20623	2.430	ug/l	91
49) 1,4-Dioxane	7.76	88	152	0.726	ug/l #	82
60) Dibromochloromethane	9.34	129	46165	5.001	ug/l #	11
64) Tetrachloroethene	9.34	164	50281	6.669	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	214742	23.358	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	214742	54.815	ug/l #	15

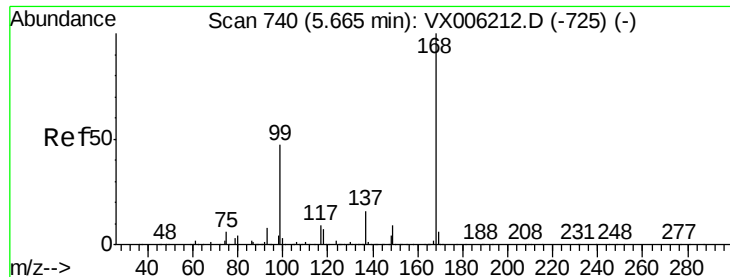
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 30 03:55:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006448.D

Acq: 12 Dec 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

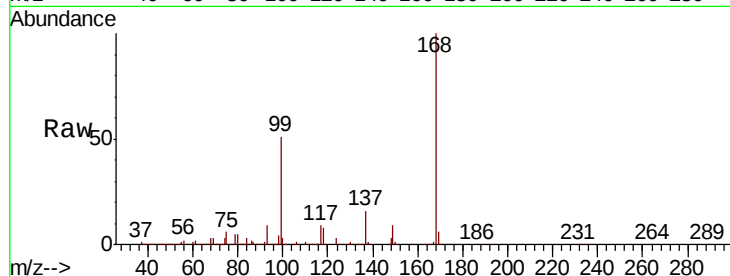
BP-FW-MW01-20181210

Tot Ion:168 Resp: 723414

Ion Ratio Lower Upper

168 100

99 50.6 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

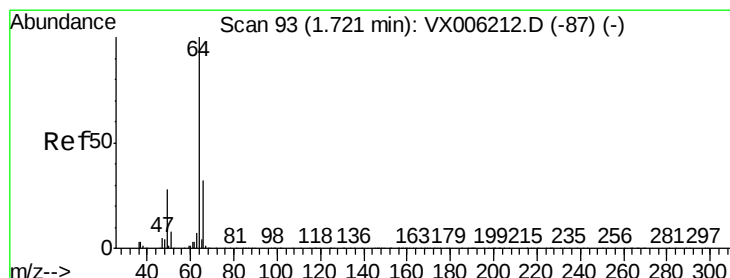
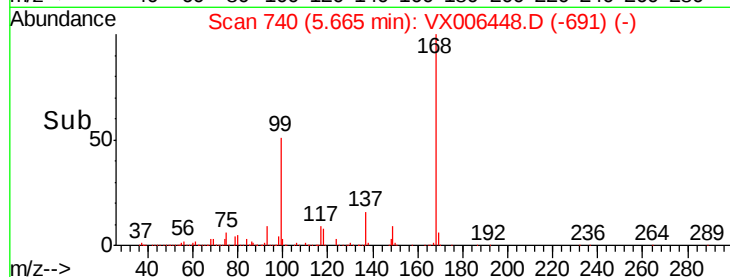
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 0.204 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX006448.D

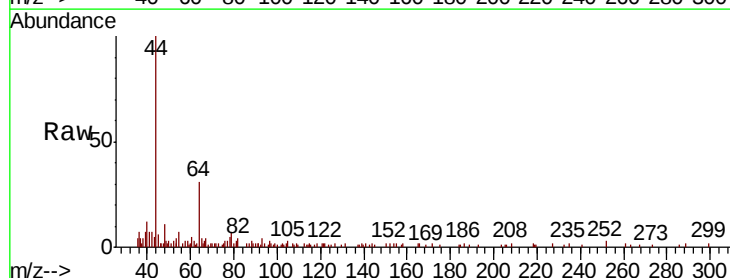
Acq: 12 Dec 2018 16:39

Tgt Ion: 64 Resp: 978

Ion Ratio Lower Upper

64 100

66 12.1 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

2500

2000

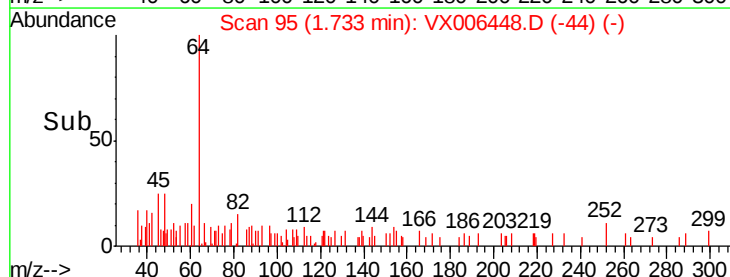
1500

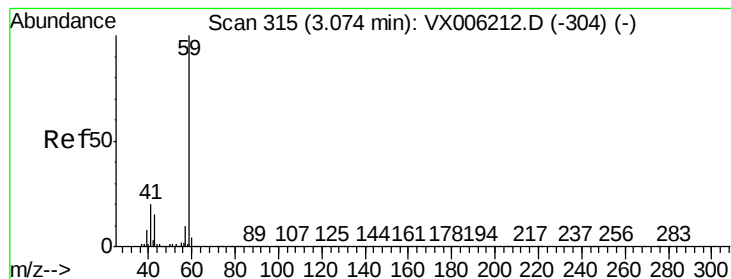
1000

500

0

Time-->



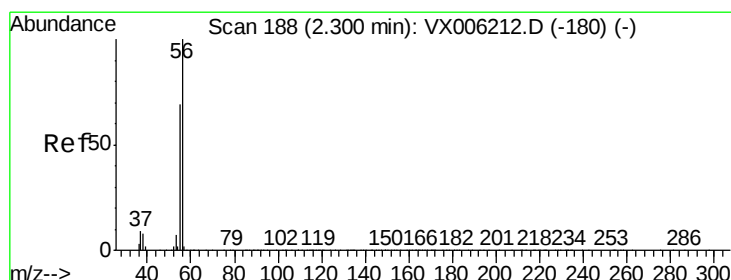
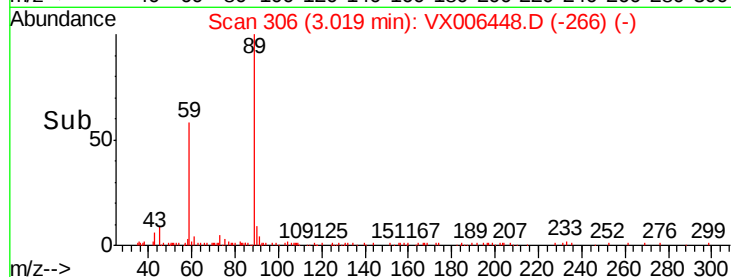
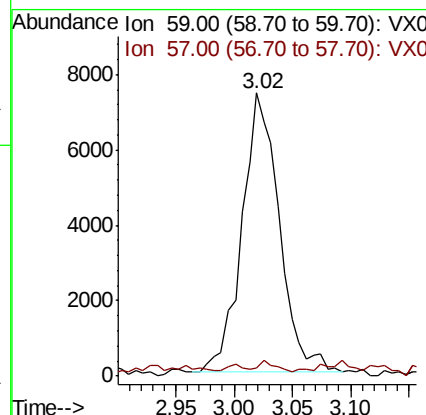
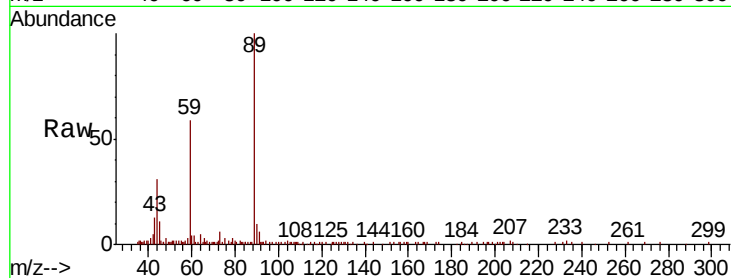


#11

Tert butyl alcohol
Concen: 8.230 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.05 min
Lab File: VX006448.D
Acq: 12 Dec 2018 16:39

Instrument :
MSVOA_X
ClientSampleId :
BP-FW-MW01-20181210

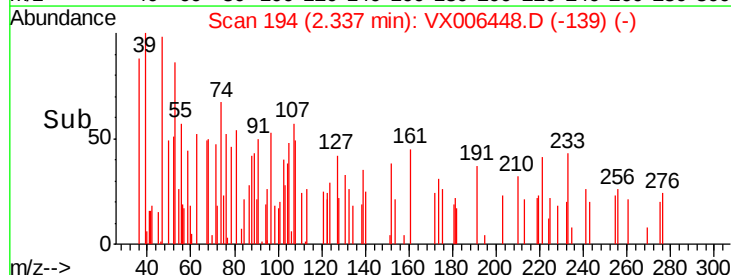
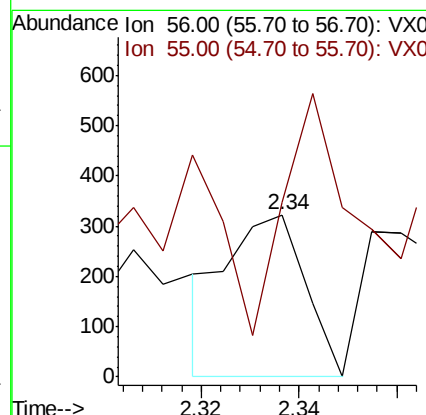
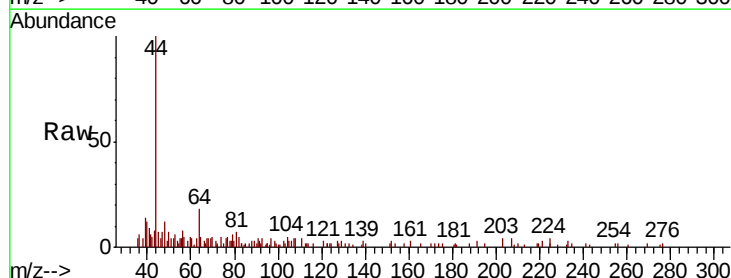
Tot Ion: 59 Resp: 16622
Ion Ratio Lower Upper
59 100
57 1.6 8.2 12.2#

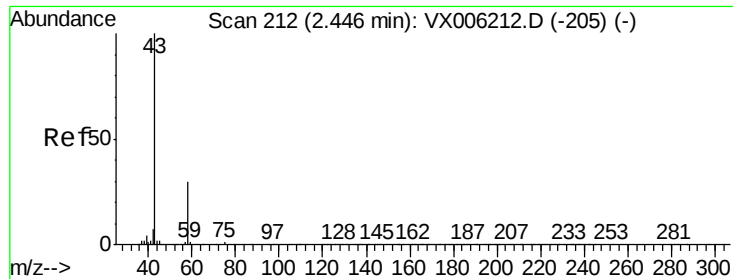


#13

Acrolein
Concen: 0.324 ug/l
RT: 2.34 min Scan# 194
Delta R.T. 0.04 min
Lab File: VX006448.D
Acq: 12 Dec 2018 16:39

Tgt Ion: 56 Resp: 358
Ion Ratio Lower Upper
56 100
55 139.1 57.8 86.6#

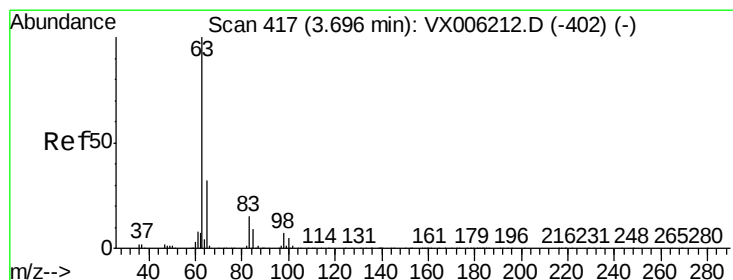
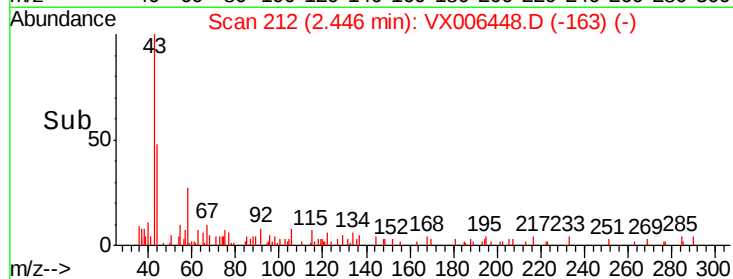
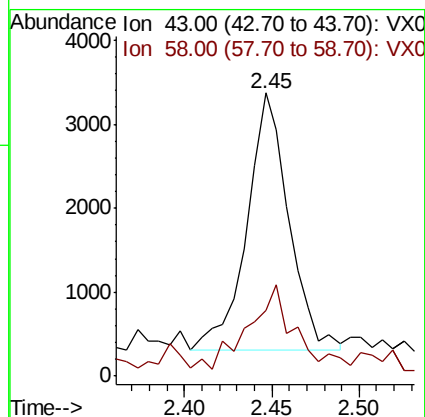
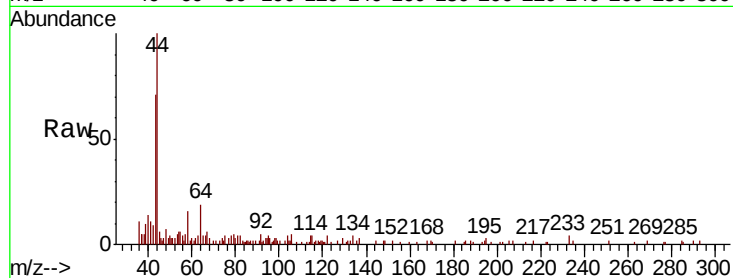




#16
Acetone
Concen: 1.472 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006448.D
Acq: 12 Dec 2018 16:39

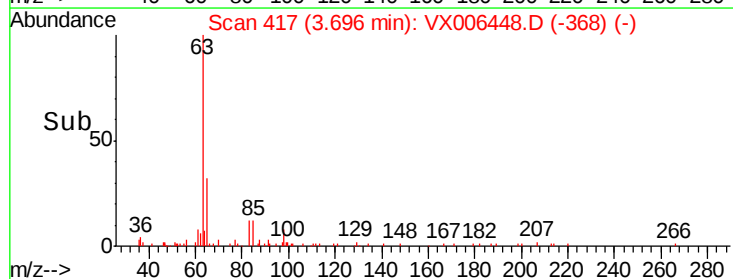
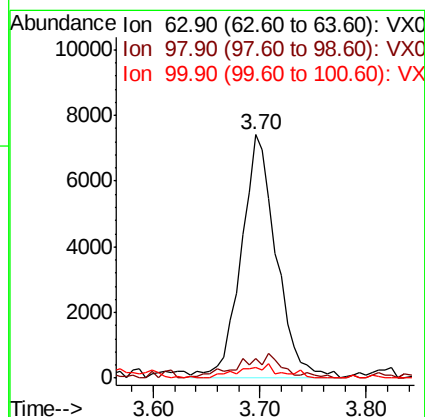
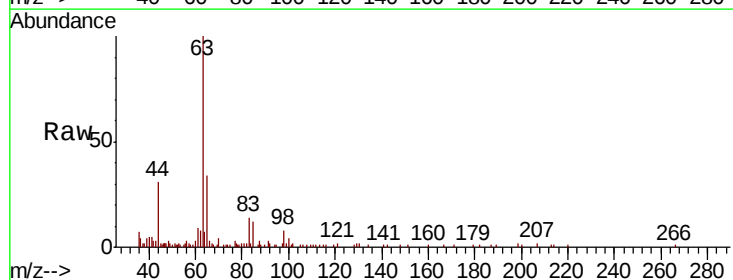
Instrument :
MSVOA_X
ClientSampleId :
BP-FW-MW01-20181210

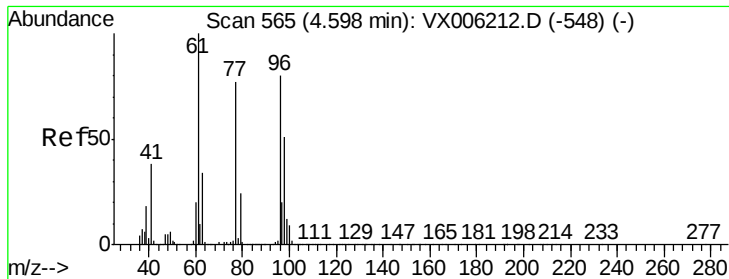
Tot Ion: 43 Resp: 5101
Ion Ratio Lower Upper
43 100
58 22.1 24.0 36.0#



#24
1,1-Dichloroethane
Concen: 1.487 ug/l
RT: 3.70 min Scan# 417
Delta R.T. 0.00 min
Lab File: VX006448.D
Acq: 12 Dec 2018 16:39

Tgt Ion: 63 Resp: 17164
Ion Ratio Lower Upper
63 100
98 8.1 3.8 11.4
100 4.1 2.5 7.4



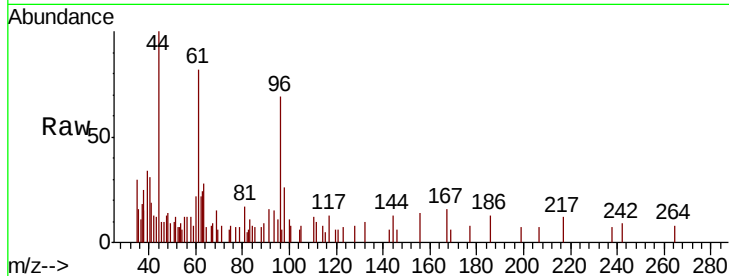


#27

cis-1,2-Dichloroethene
Concen: 0.265 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX006448.D
Acq: 12 Dec 2018 16:39

Instrument :
MSVOA_X
ClientSampleId :
BP-FW-MW01-20181210

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.6	0.0	265.0
98	49.5	0.0	130.2

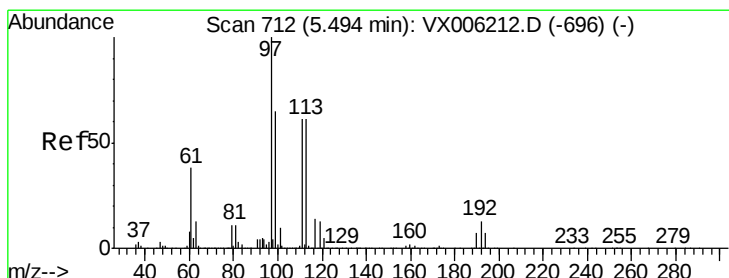
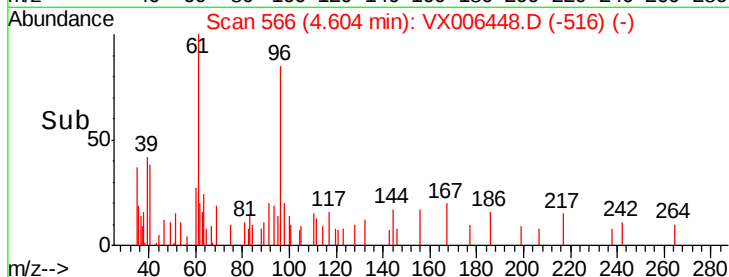
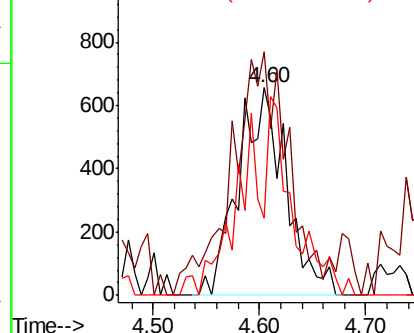


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

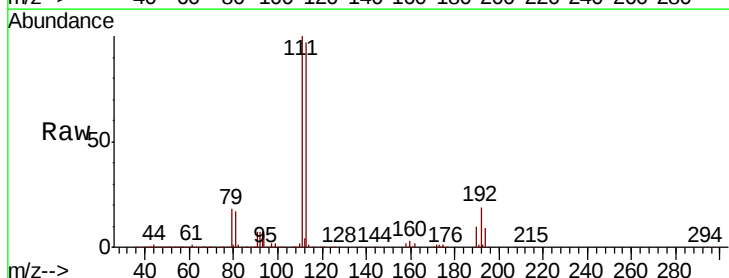
Ion 97.90 (97.60 to 98.60): VX0



#32

1,1,1-Trichloroethane
Concen: 0.736 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX006448.D
Acq: 12 Dec 2018 16:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.6	77.4#
61	48.1	30.6	46.0#

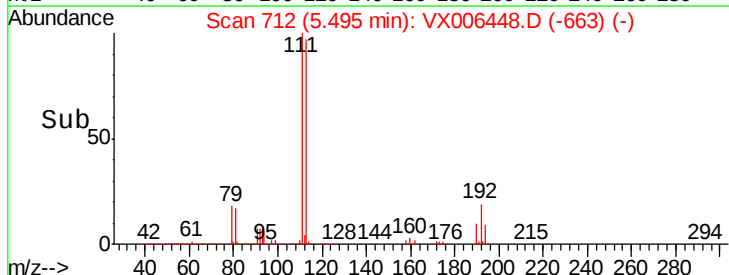
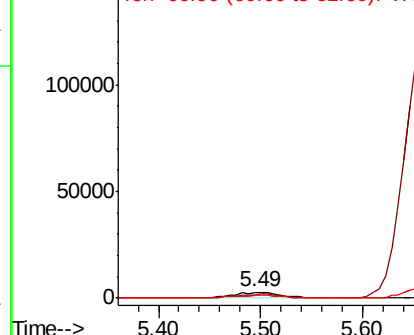


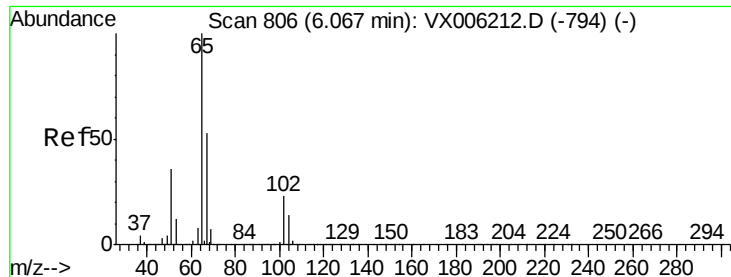
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.408 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006448.D

Acq: 12 Dec 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

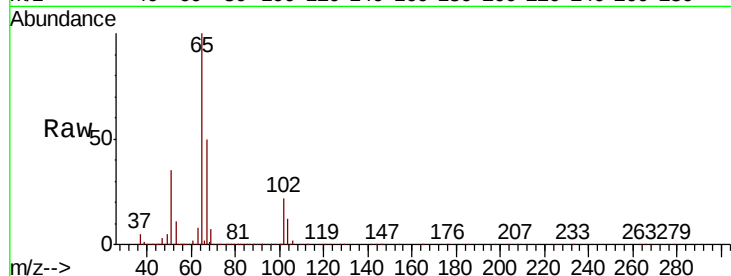
BP-FW-MW01-20181210

Tot Ion: 65 Resp: 372258

Ion Ratio Lower Upper

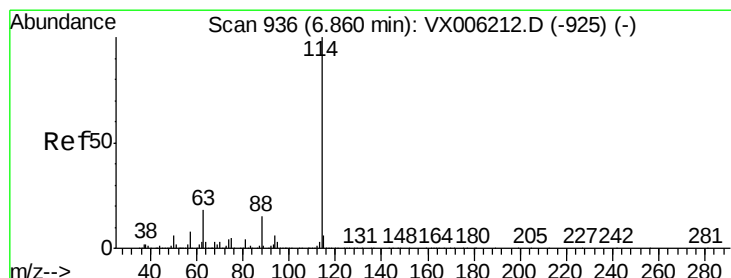
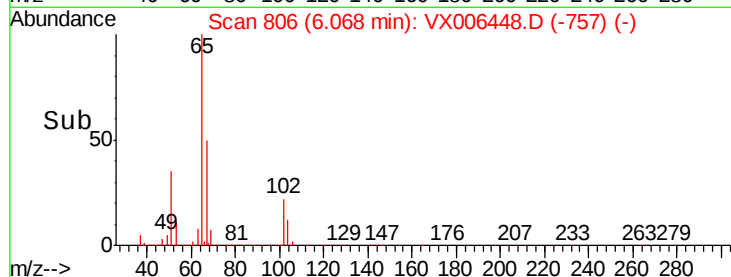
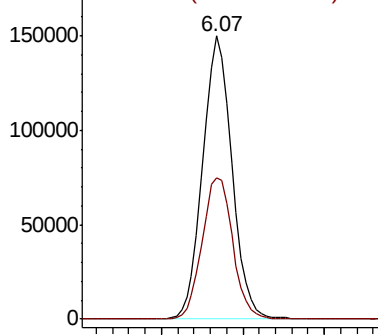
65 100

67 51.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006448.D

Acq: 12 Dec 2018 16:39

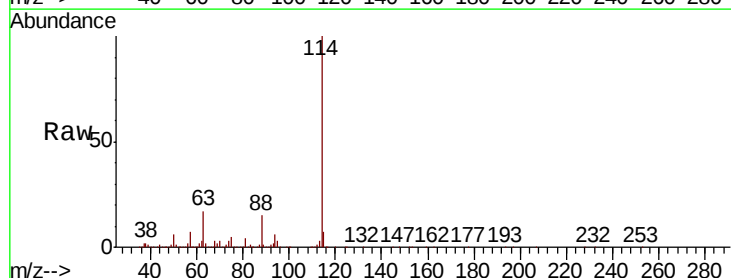
Tgt Ion: 114 Resp: 1110568

Ion Ratio Lower Upper

114 100

63 17.1 0.0 36.6

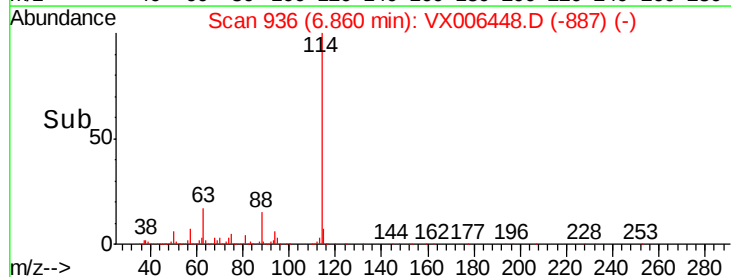
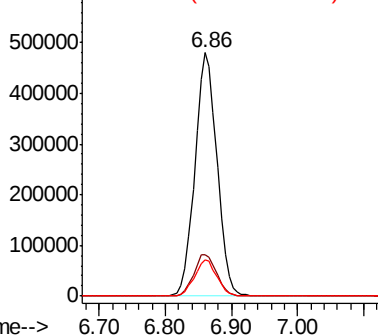
88 14.9 0.0 29.0

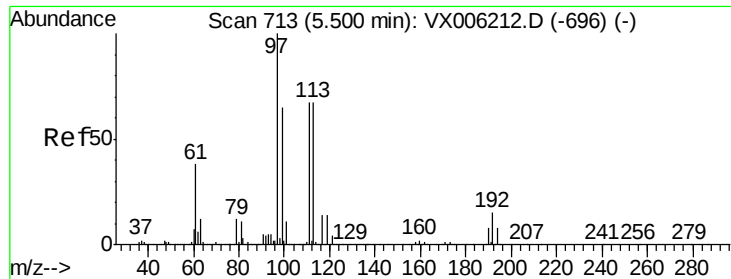


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 46.952 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006448.D

Acq: 12 Dec 2018 16:39

Instrument :

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ClientSampleId :

BP-FW-MW01-20181210

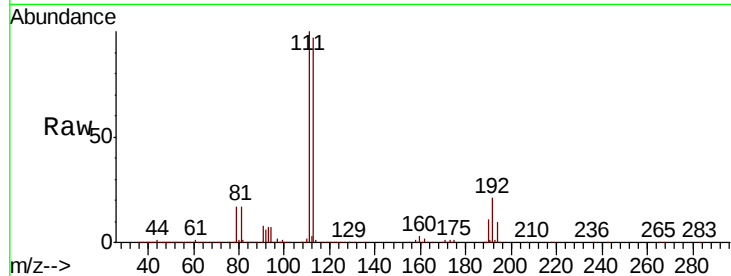
Tot Ion:113 Resp: 337609

Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

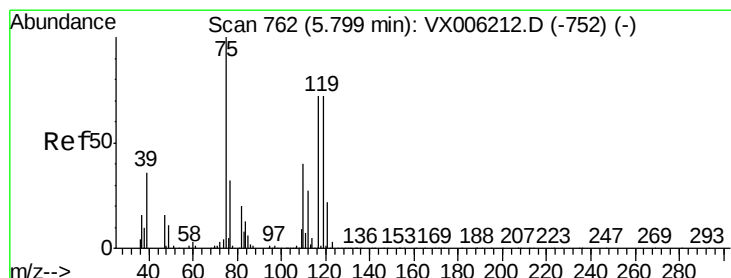
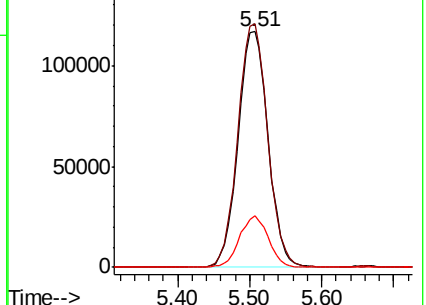
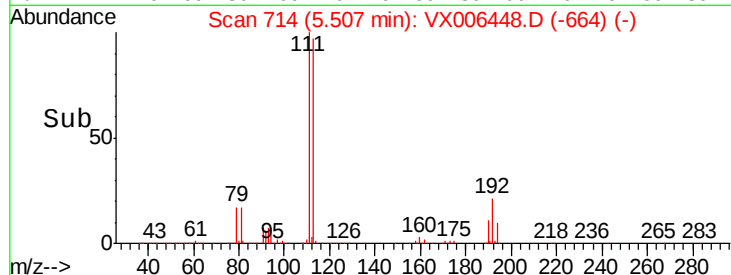
192 21.1 18.2 27.2



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: 4.775 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006448.D

Acq: 12 Dec 2018 16:39

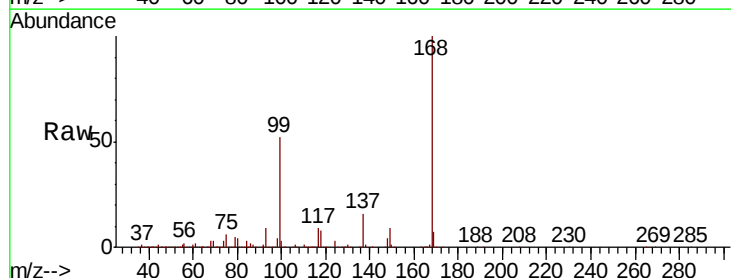
Tgt Ion: 75 Resp: 44652

Ion Ratio Lower Upper

75 100

110 11.0 20.4 61.3#

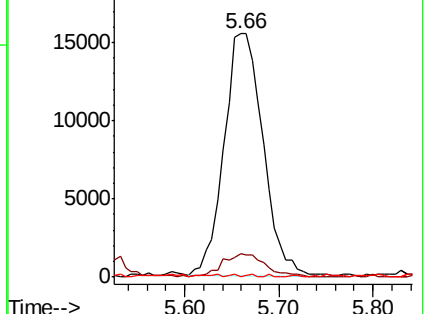
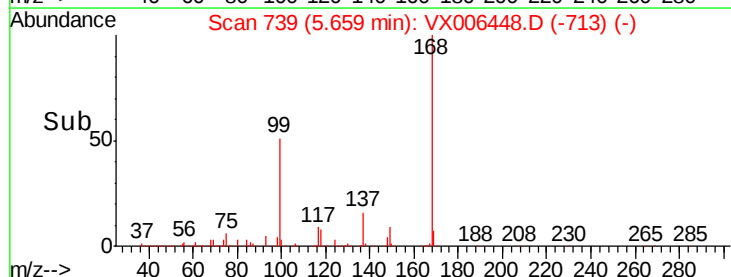
77 0.4 24.9 37.3#

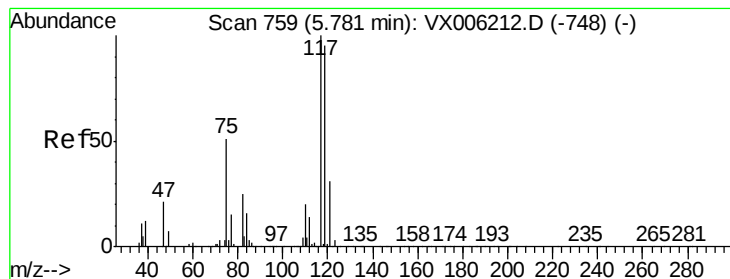


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.991 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006448.D

Acq: 12 Dec 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW01-20181210

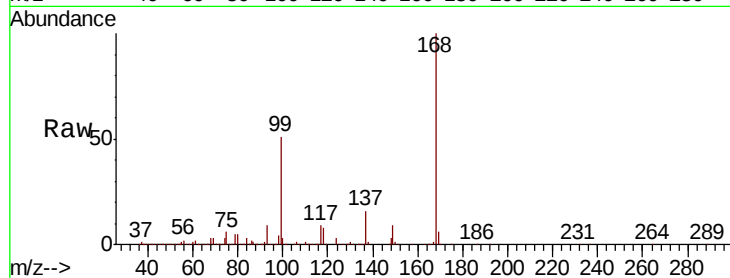
Tot Ion:117 Resp: 65917

Ion Ratio Lower Upper

117 100

119 4.9 75.8 113.8#

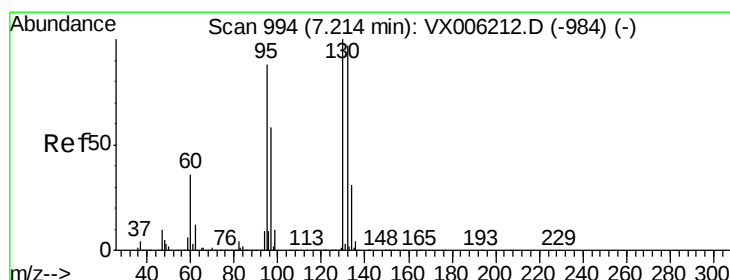
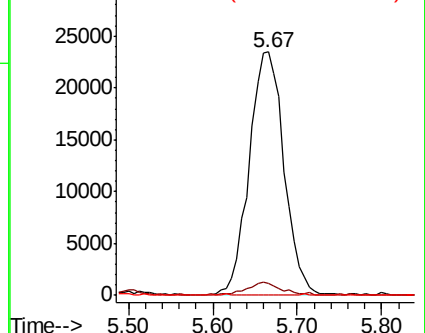
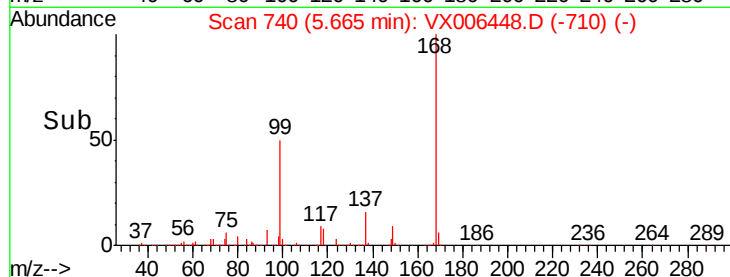
121 0.0 24.6 37.0#



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



#44

Trichloroethene

Concen: 2.430 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX006448.D

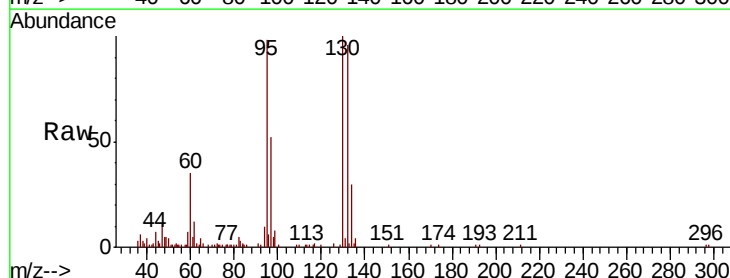
Acq: 12 Dec 2018 16:39

Tgt Ion:130 Resp: 20623

Ion Ratio Lower Upper

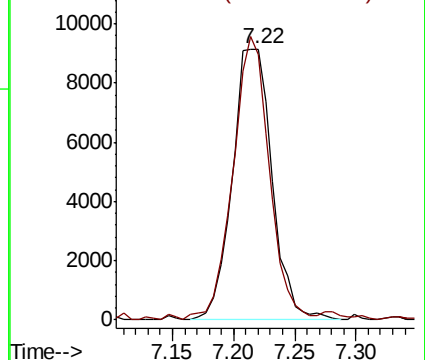
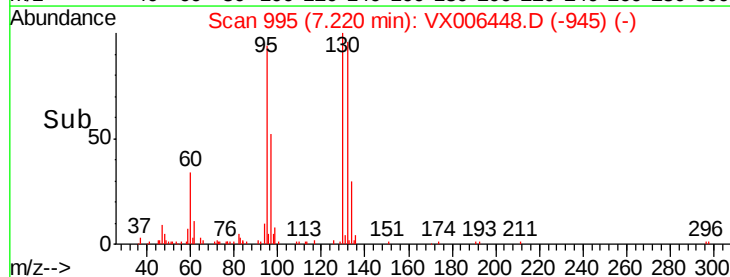
130 100

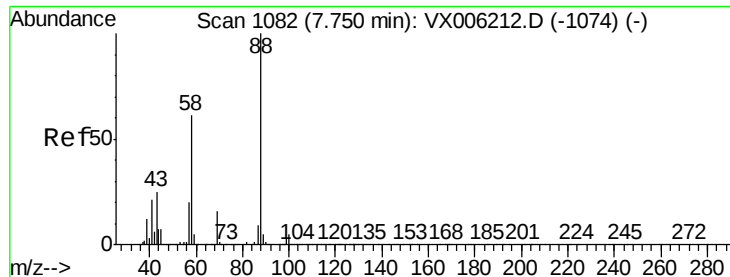
95 96.5 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 0.726 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006448.D

Acq: 12 Dec 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW01-20181210

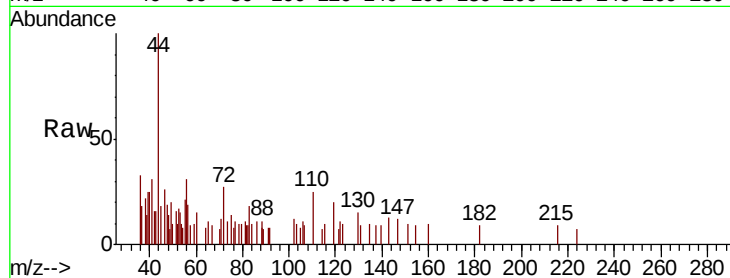
Tot Ion: 88 Resp: 152

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

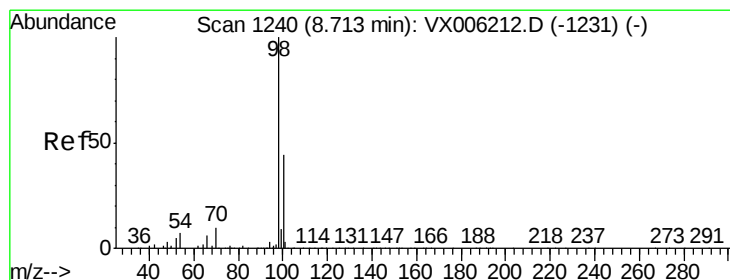
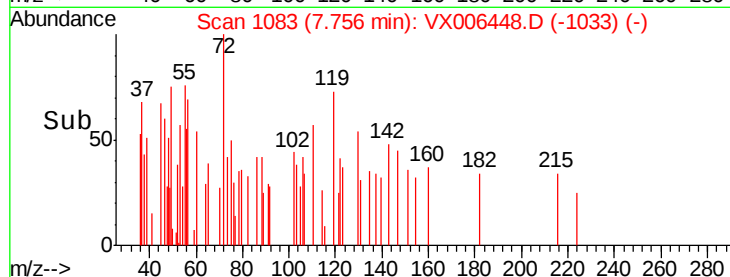
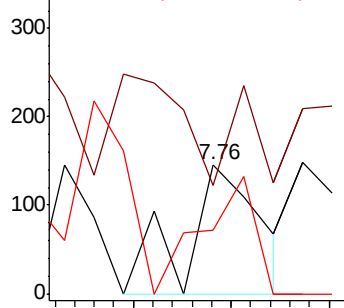
58 65.8 51.4 77.0



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50

Toluene-d8

Concen: 49.620 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006448.D

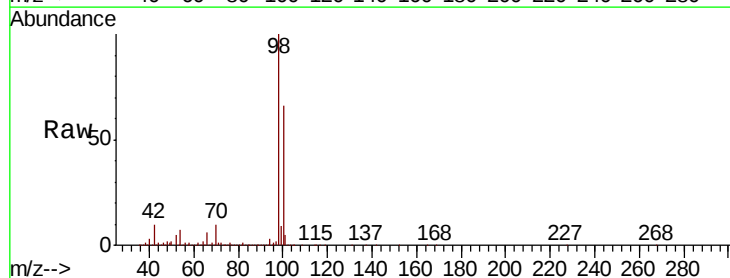
Acq: 12 Dec 2018 16:39

Tgt Ion: 98 Resp: 1297796

Ion Ratio Lower Upper

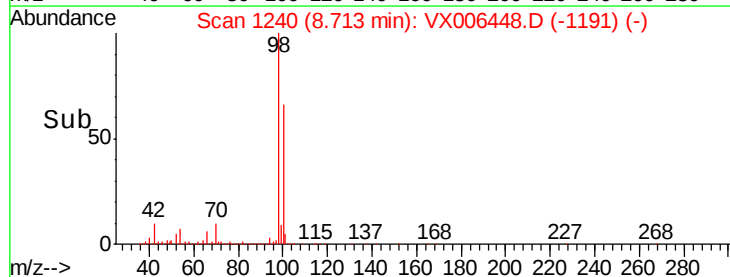
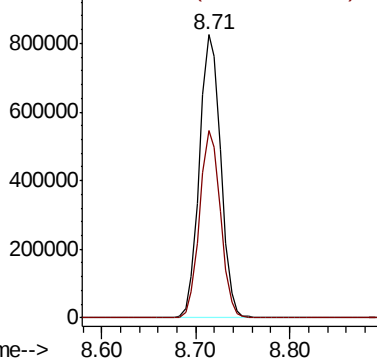
98 100

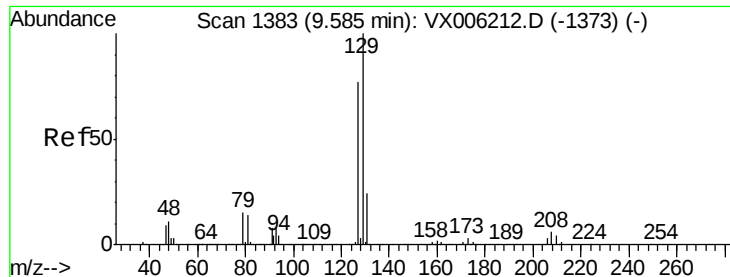
100 64.9 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 5.001 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX006448.D

Acq: 12 Dec 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

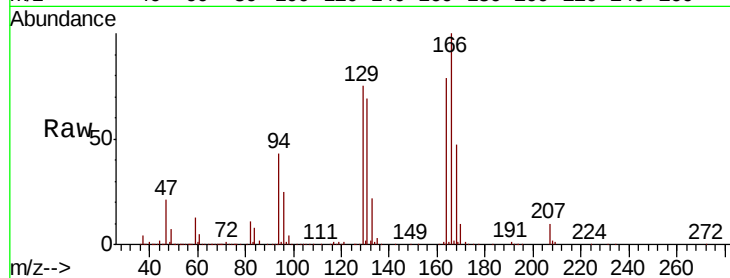
BP-FW-MW01-20181210

Tot Ion:129 Resp: 46165

Ion Ratio Lower Upper

129 100

127 0.4 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

40000

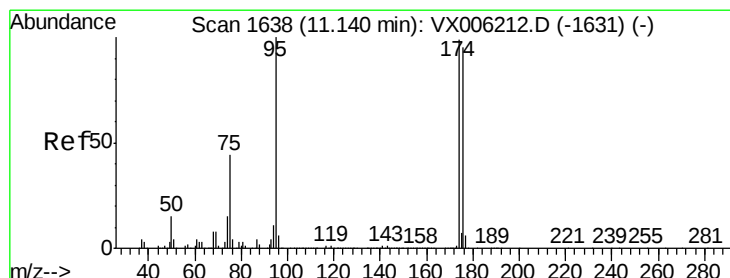
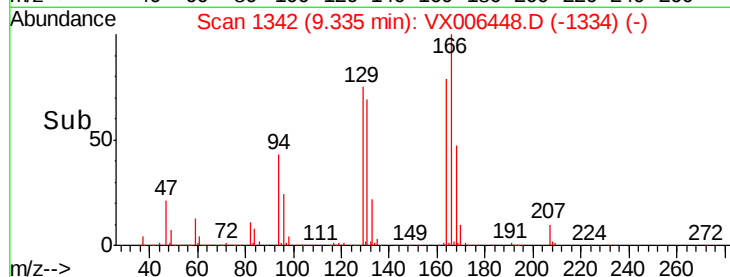
30000

20000

10000

0

Time--> 9.25 9.30 9.35 9.40



#62

4-Bromofluorobenzene

Concen: 47.955 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006448.D

Acq: 12 Dec 2018 16:39

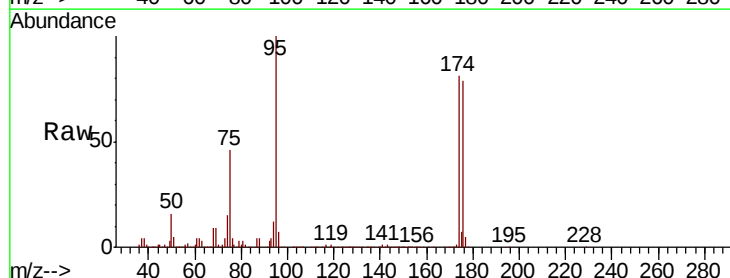
Tgt Ion: 95 Resp: 472635

Ion Ratio Lower Upper

95 100

174 87.3 0.0 187.0

176 84.4 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

500000

400000

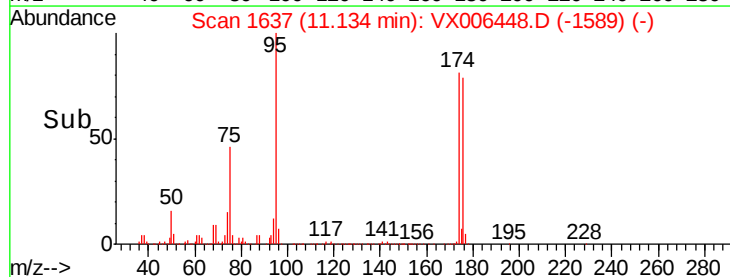
300000

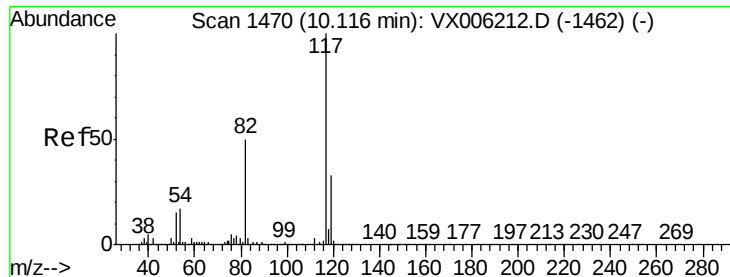
200000

100000

0

Time--> 11.10 11.20

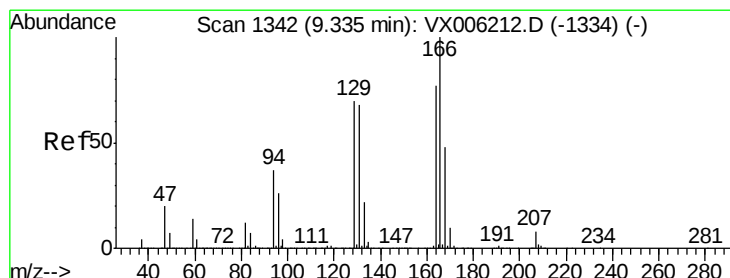
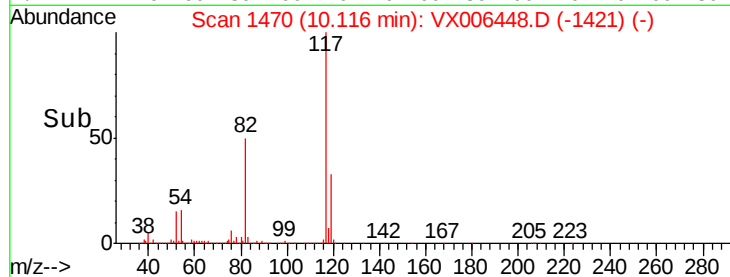
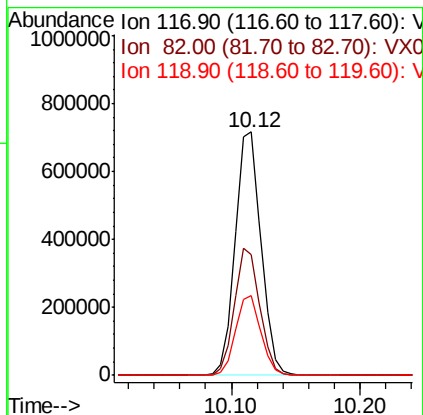
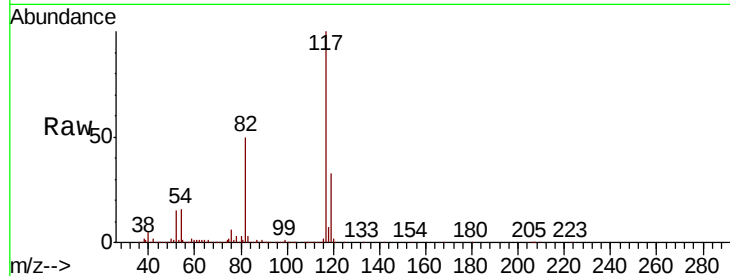




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006448.D
Acq: 12 Dec 2018 16:39

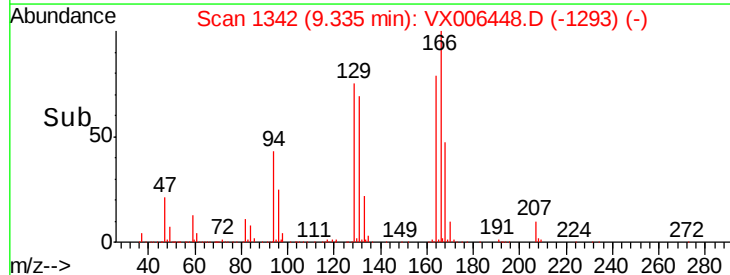
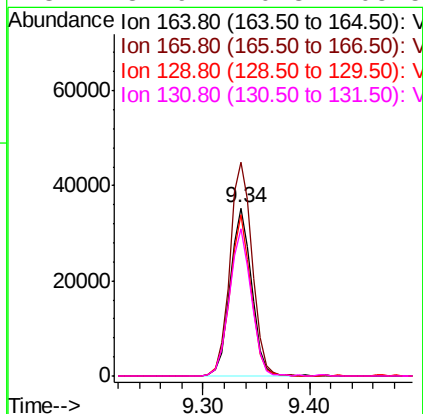
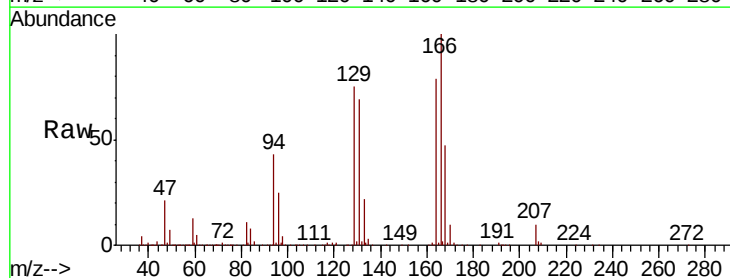
Instrument :
MSVOA_X
ClientSampleId :
BP-FW-MW01-20181210

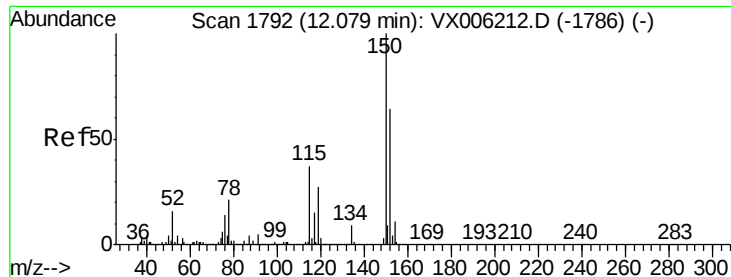
Tot Ion:117 Resp: 1001118
Ion Ratio Lower Upper
117 100
82 49.7 39.6 59.4
119 32.9 26.3 39.5



#64
Tetrachloroethene
Concen: 6.669 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006448.D
Acq: 12 Dec 2018 16:39

Tgt Ion:164 Resp: 50281
Ion Ratio Lower Upper
164 100
166 127.4 104.2 156.2
129 96.1 72.6 108.8
131 87.9 70.3 105.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006448.D

Acq: 12 Dec 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW01-20181210

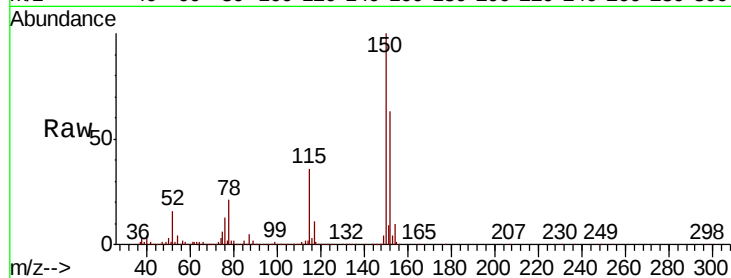
Tot Ion:152 Resp: 476304

Ion Ratio Lower Upper

152 100

115 57.2 39.0 116.9

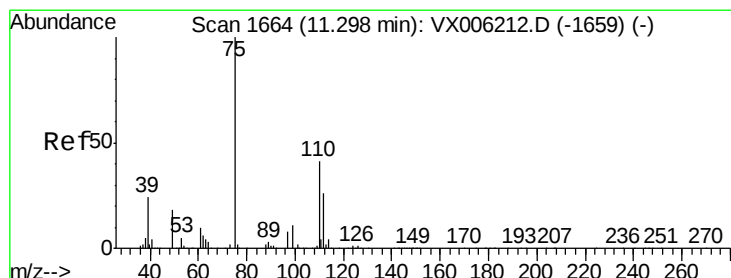
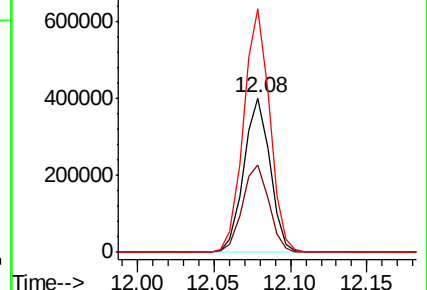
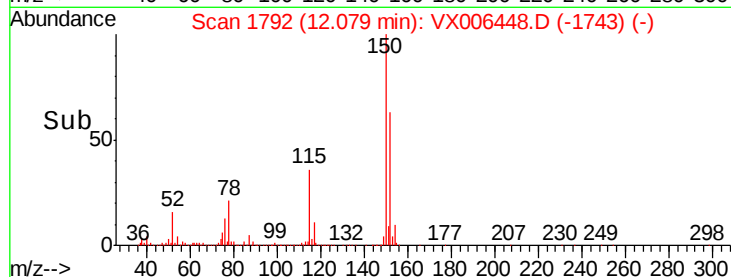
150 156.8 0.0 345.8



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



#76

1,2,3-Trichloropropane

Concen: 23.358 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006448.D

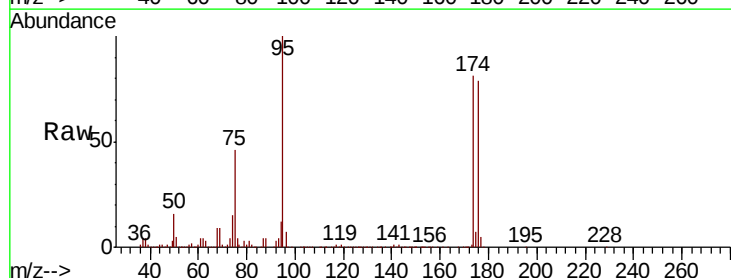
Acq: 12 Dec 2018 16:39

Tgt Ion: 75 Resp: 214742

Ion Ratio Lower Upper

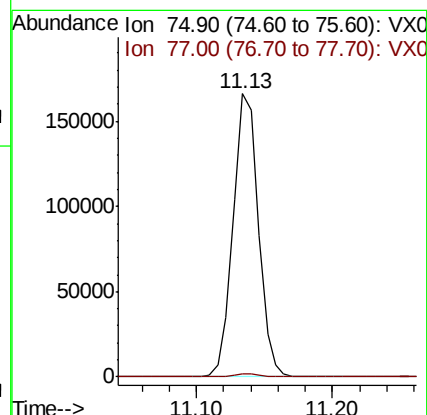
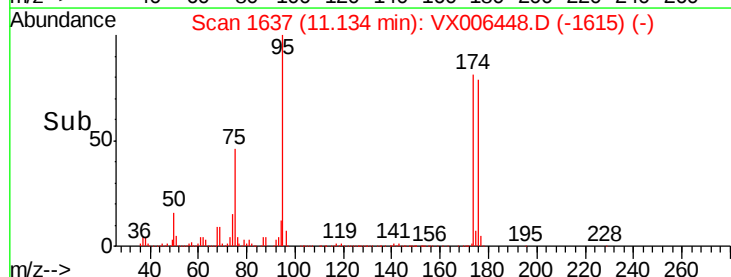
75 100

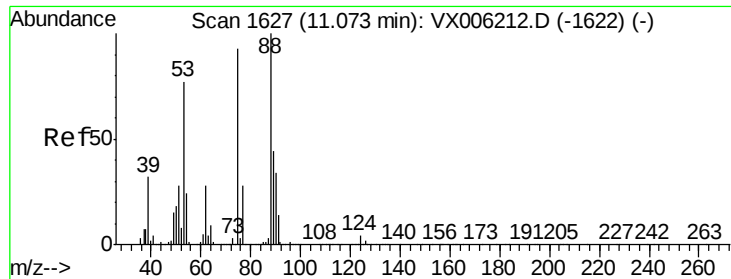
77 1.3 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 54.815 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006448.D

Acq: 12 Dec 2018 16:39

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW01-20181210

Tot Ion: 75 Resp: 214742

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.0 44.2 66.4#

