

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121218\
 Data File : VX006449.D
 Acq On : 12 Dec 2018 17:05
 Operator : JC/MD
 Sample : J6358-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-FW-MW02-20181211

Quant Time: Dec 13 06:11:48 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	718543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1109304	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1014462	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	480809	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	366990	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
35) Dibromofluoromethane	5.50	113	337357	46.97	ug/l	0.00
Spiked Amount			Recovery	=	93.94%	
50) Toluene-d8	8.71	98	1306774	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
62) 4-Bromofluorobenzene	11.13	95	478737	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	

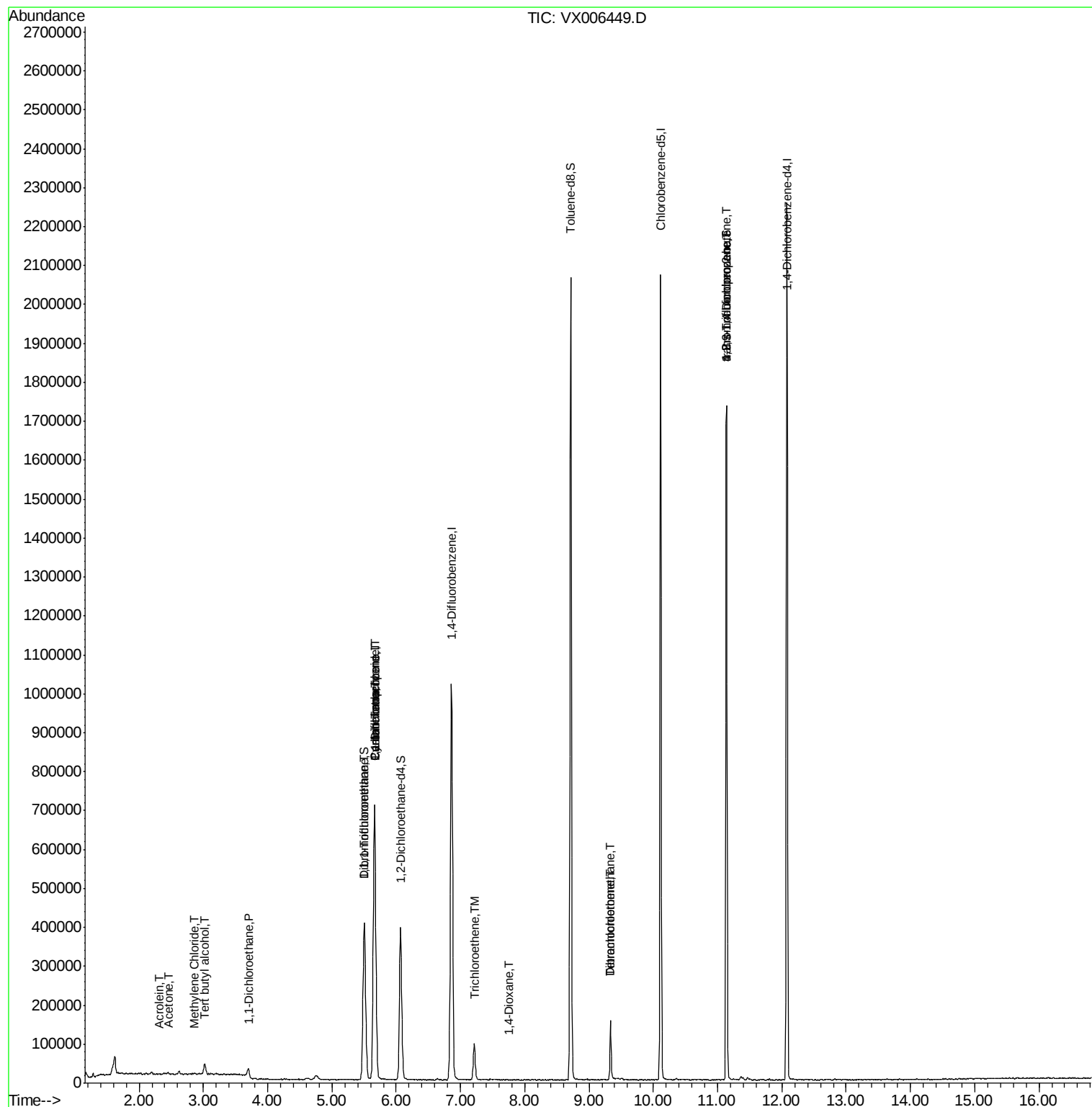
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	15619	7.786	ug/l #	80
13) Acrolein	2.31	56	229	0.209	ug/l #	13
16) Acetone	2.45	43	4602	1.337	ug/l #	80
20) Methylene Chloride	2.85	84	1527	0.208	ug/l #	63
24) 1,1-Dichloroethane	3.70	63	26413	2.303	ug/l	97
31) Cyclohexane	5.66	56	11448	1.080	ug/l #	1
32) 1,1,1-Trichloroethane	5.50	97	20838	1.818	ug/l	98
36) 1,1-Dichloropropene	5.67	75	47395	5.074	ug/l #	48
38) Carbon Tetrachloride	5.66	117	65709	5.979	ug/l #	17
44) Trichloroethene	7.21	130	38801	4.578	ug/l	96
49) 1,4-Dioxane	7.76	88	46	0.220	ug/l #	27
60) Dibromochloromethane	9.34	129	26842	2.911	ug/l #	11
64) Tetrachloroethene	9.34	164	28017	3.667	ug/l	93
76) 1,2,3-Trichloropropane	11.13	75	219502	23.652	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	219502	55.505	ug/l #	15

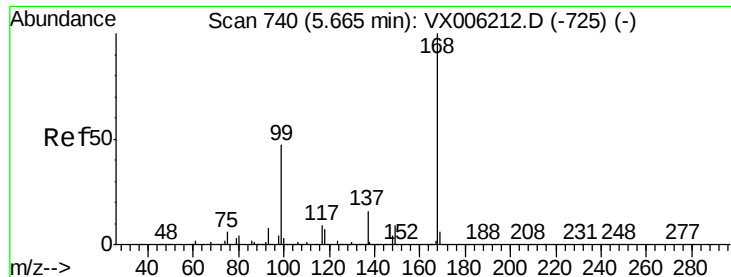
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121218\
Data File : VX006449.D
Acq On : 12 Dec 2018 17:05
Operator : JC/MD
Sample : J6358-06
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-FW-MW02-20181211

Quant Time: Dec 13 06:11:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
Quant Title : SW846 8260
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: VX006449.D

Acq: 12 Dec 2018 17:05

Instrument :

MSVOA_X

ClientSampleId :

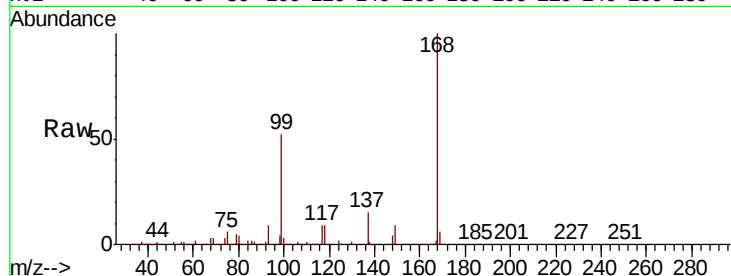
BP-FW-MW02-20181211

Tot Ion:168 Resp: 718543

Ion Ratio Lower Upper

168 100

99 52.0 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

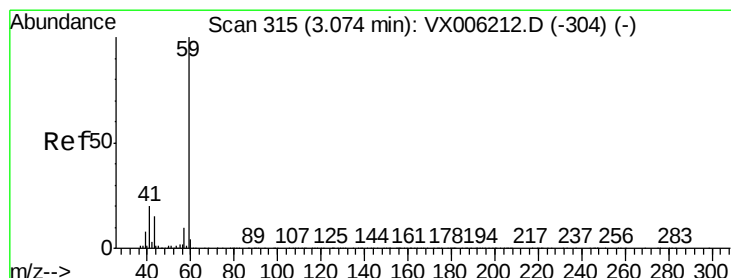
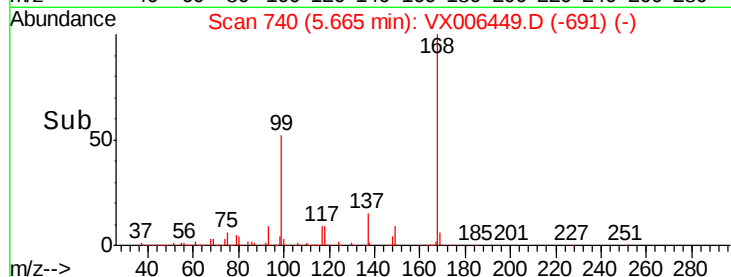
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 7.786 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX006449.D

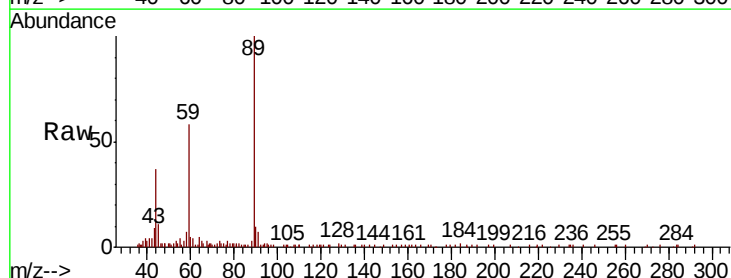
Acq: 12 Dec 2018 17:05

Tgt Ion: 59 Resp: 15619

Ion Ratio Lower Upper

59 100

57 2.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

8000

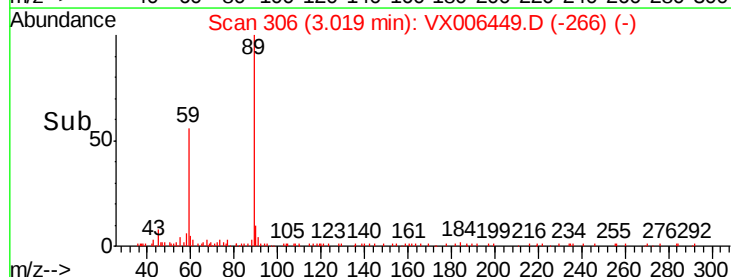
6000

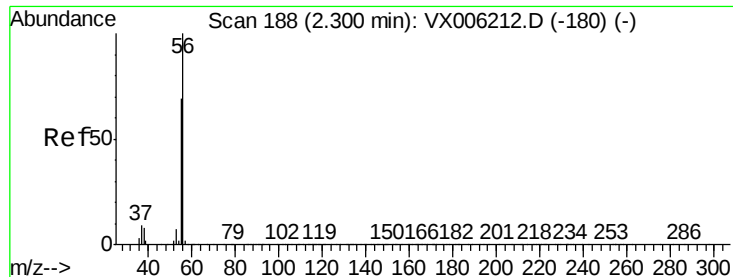
4000

2000

0

Time-->





#13

Acrolein

Concen: 0.209 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.01 min

Lab File: VX006449.D

Acq: 12 Dec 2018 17:05

Instrument :

MSVOA_X

ClientSampleId :

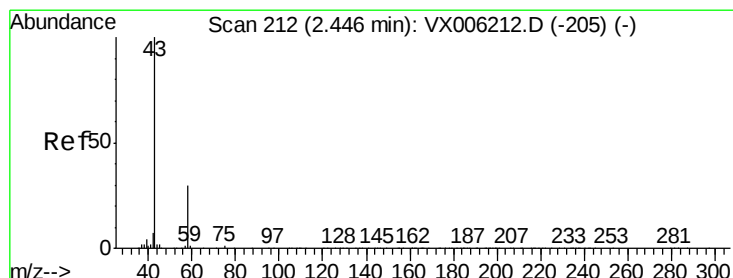
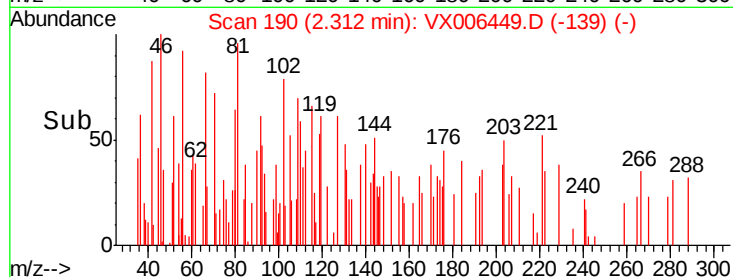
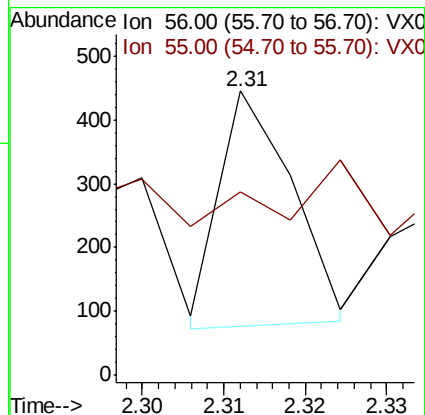
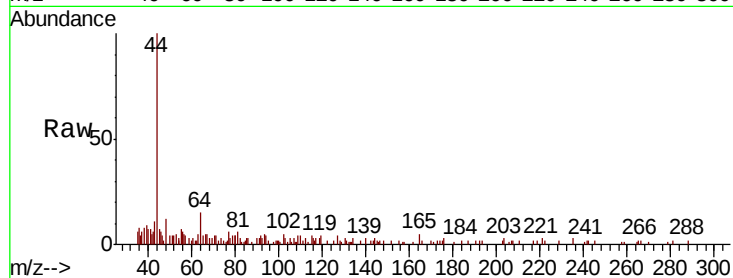
BP-FW-MW02-20181211

Tot Ion: 56 Resp: 229

Ion Ratio Lower Upper

56 100

55 0.0 57.8 86.6#



#16

Acetone

Concen: 1.337 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006449.D

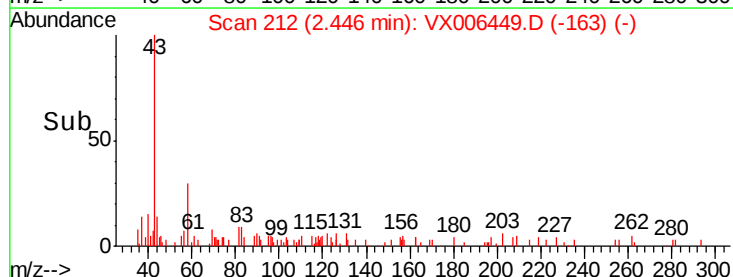
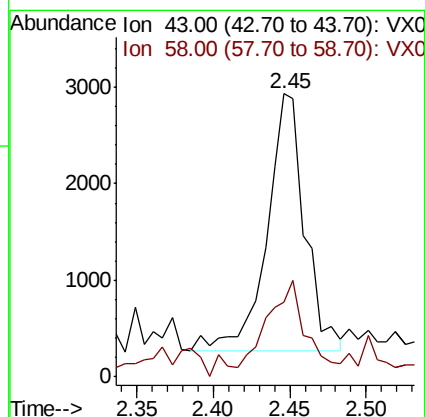
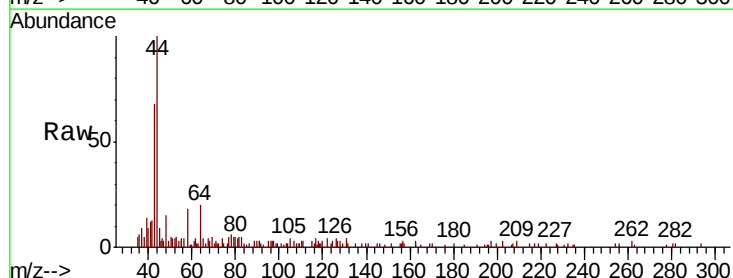
Acq: 12 Dec 2018 17:05

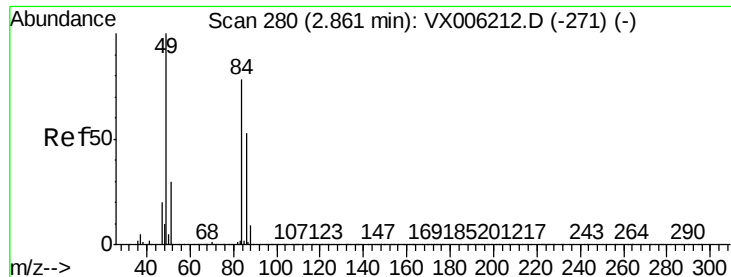
Tgt Ion: 43 Resp: 4602

Ion Ratio Lower Upper

43 100

58 19.4 24.0 36.0#

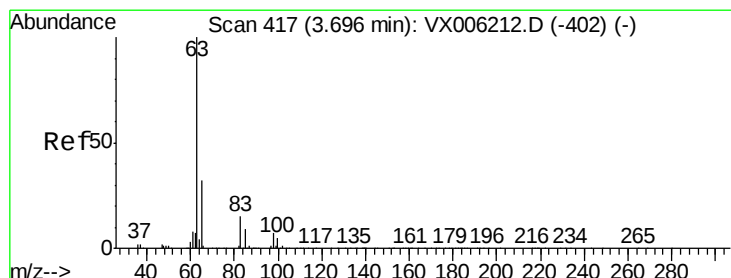
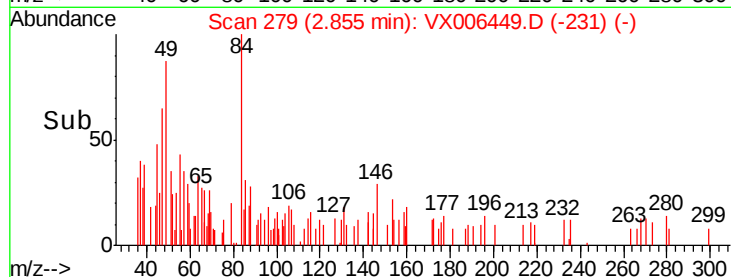
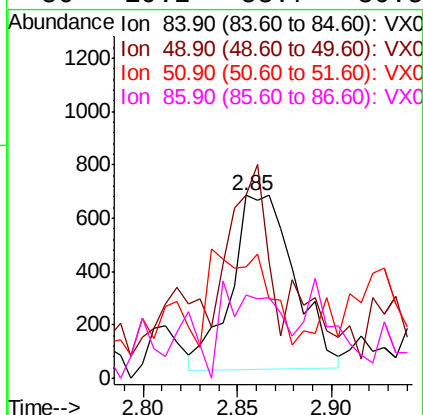
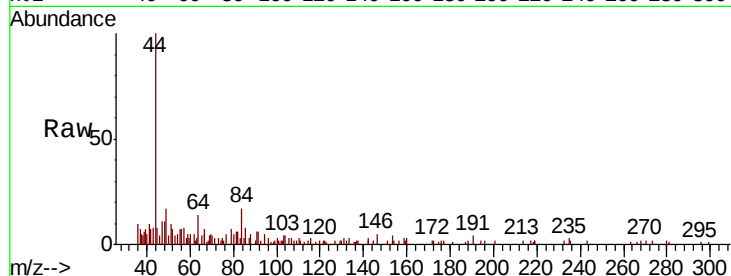




#20
Methvlene Chloride
Concen: 0.208 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006449.D
Acq: 12 Dec 2018 17:05

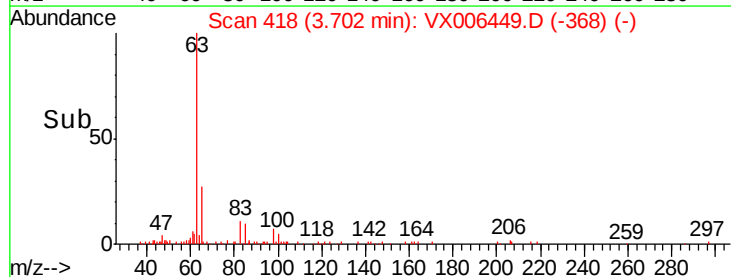
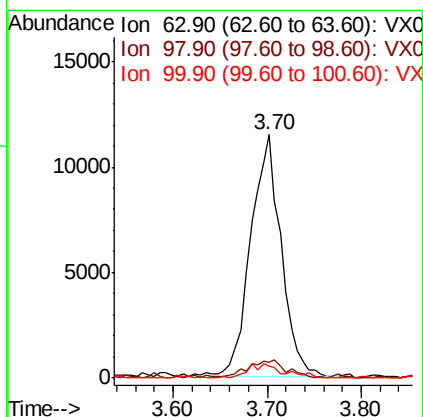
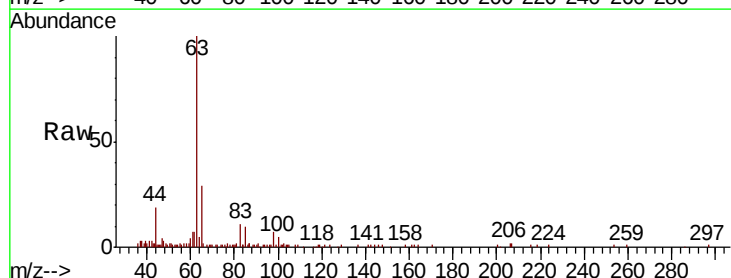
Instrument :
MSVOA_X
ClientSampleId :
BP-FW-MW02-20181211

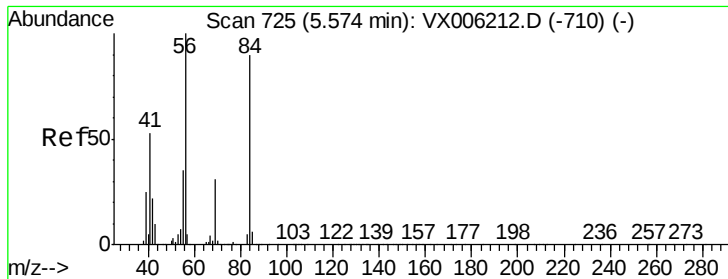
Tot Ion: 84 Resp: 1527
Ion Ratio Lower Upper
84 100
49 87.9 102.2 153.4#
51 43.3 31.1 46.7
86 19.2 53.7 80.5#



#24
1,1-Dichloroethane
Concen: 2.303 ug/l
RT: 3.70 min Scan# 418
Delta R.T. 0.01 min
Lab File: VX006449.D
Acq: 12 Dec 2018 17:05

Tgt Ion: 63 Resp: 26413
Ion Ratio Lower Upper
63 100
98 6.0 3.8 11.4
100 5.1 2.5 7.4





#31

Cvclohexane

Concen: 1.080 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX006449.D

Acq: 12 Dec 2018 17:05

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW02-20181211

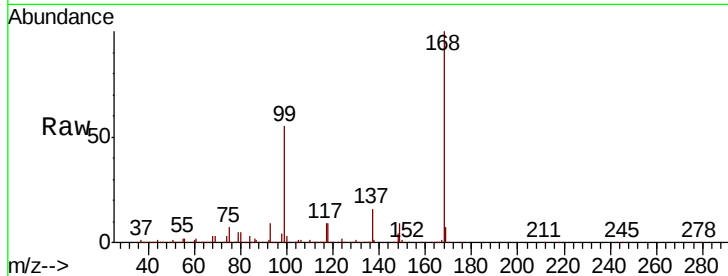
Tot Ion: 56 Resp: 11448

Ion Ratio Lower Upper

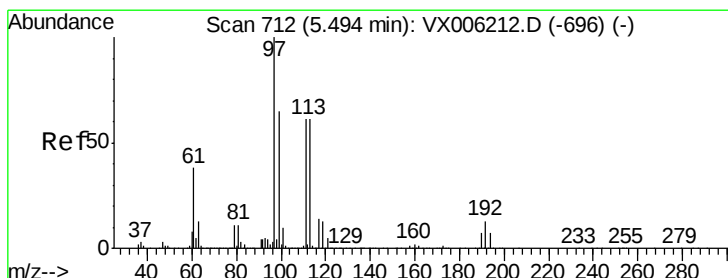
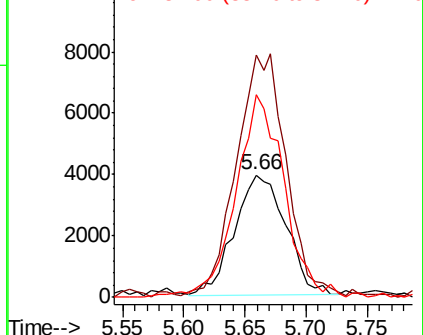
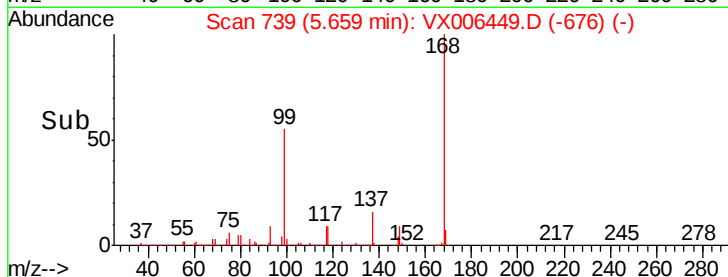
56 100

69 197.9 24.5 36.7#

84 165.5 71.8 107.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 1.818 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX006449.D

Acq: 12 Dec 2018 17:05

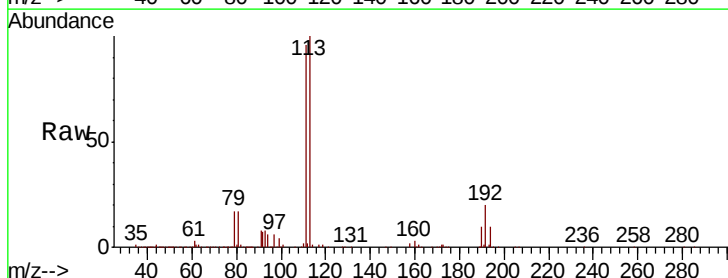
Tgt Ion: 97 Resp: 20838

Ion Ratio Lower Upper

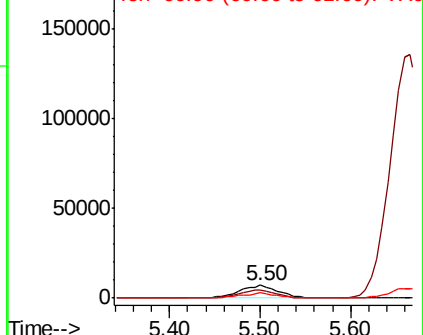
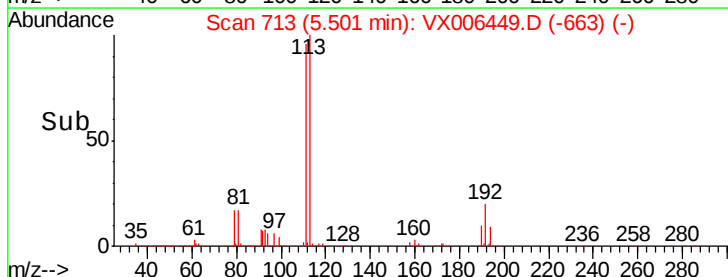
97 100

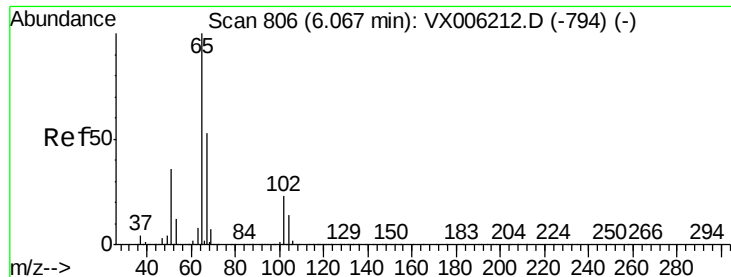
99 64.2 51.6 77.4

61 41.3 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: 50.032 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006449.D

Acq: 12 Dec 2018 17:05

Instrument :

MSVOA_X

ClientSampleId :

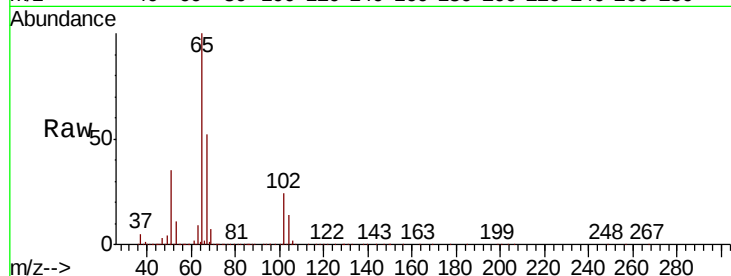
BP-FW-MW02-20181211

Tot Ion: 65 Resp: 366990

Ion Ratio Lower Upper

65 100

67 53.9 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

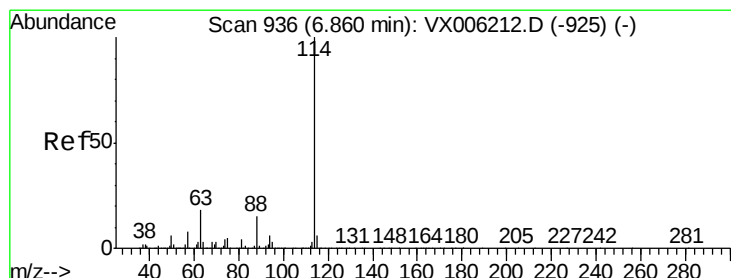
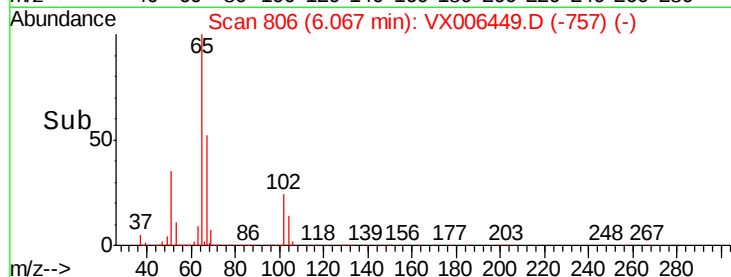
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006449.D

Acq: 12 Dec 2018 17:05

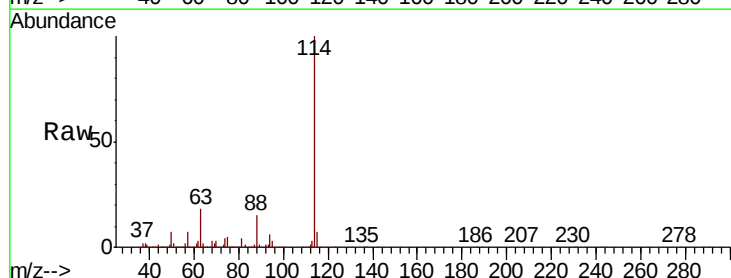
Tgt Ion: 114 Resp: 1109304

Ion Ratio Lower Upper

114 100

63 17.5 0.0 36.6

88 15.2 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

6.86

600000

500000

400000

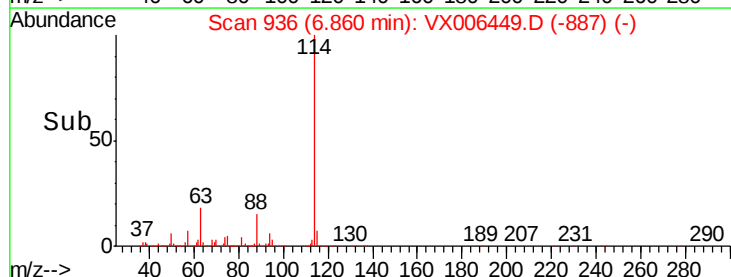
300000

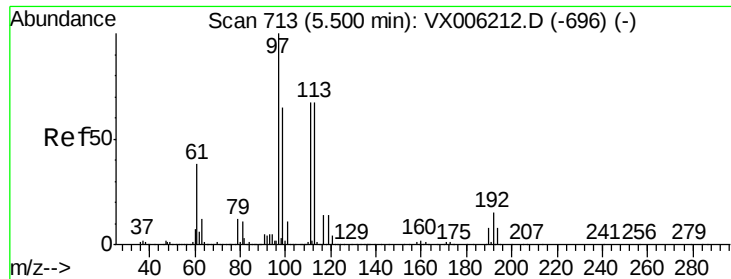
200000

100000

0

Time-->

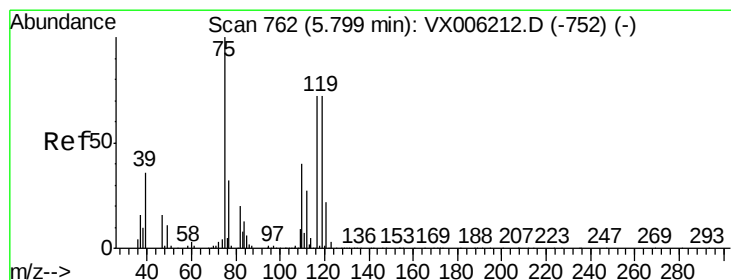
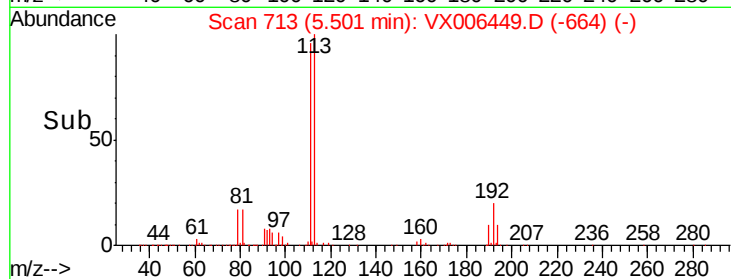
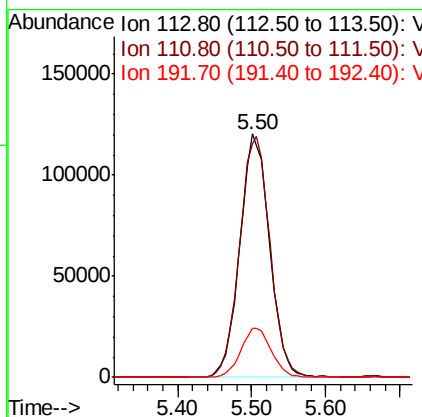
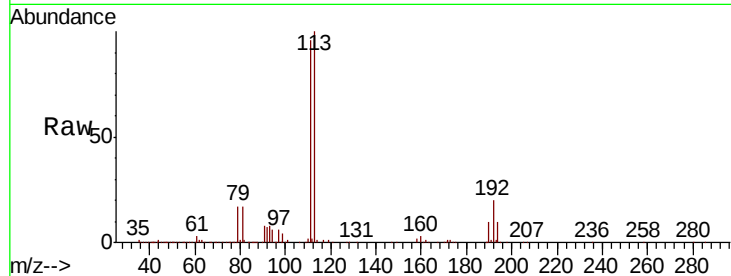




#35
 Dibromofluoromethane
 Concen: 46.971 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX006449.D
 Acq: 12 Dec 2018 17:05

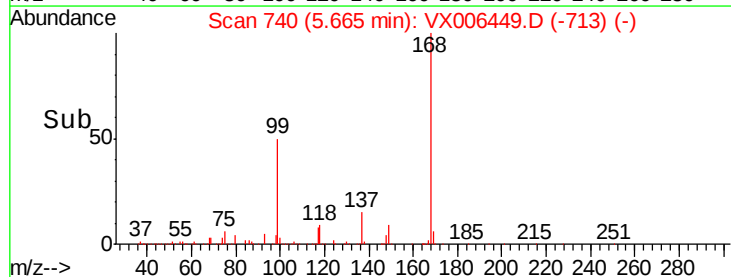
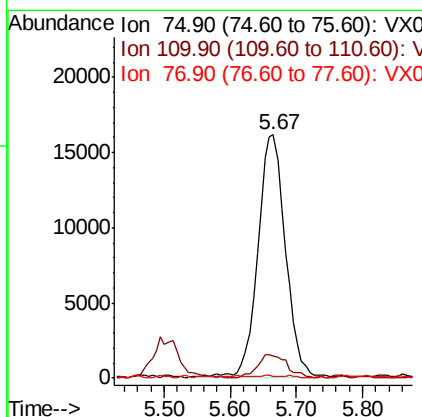
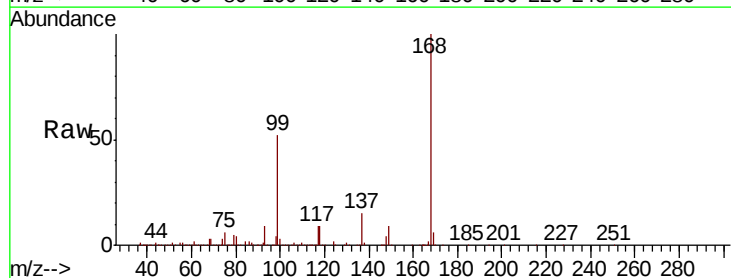
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-FW-MW02-20181211

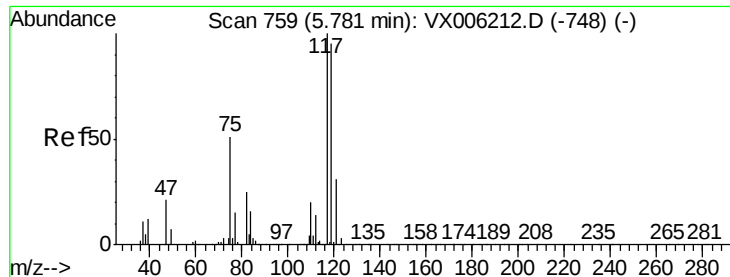
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.1	81.1	121.7
192	20.7	18.2	27.2



#36
 1,1-Dichloropropene
 Concen: 5.074 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX006449.D
 Acq: 12 Dec 2018 17:05

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.3	20.4	61.3#
77	0.7	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 5.979 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006449.D

Acq: 12 Dec 2018 17:05

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW02-20181211

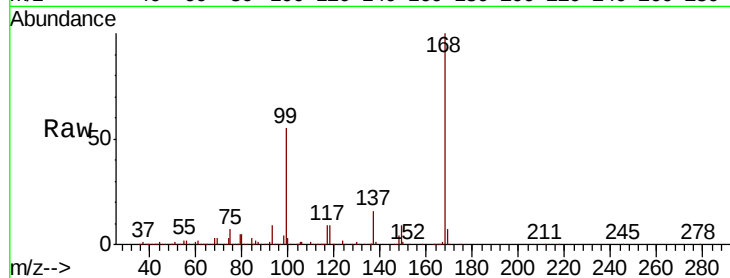
Tot Ion:117 Resp: 65709

Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

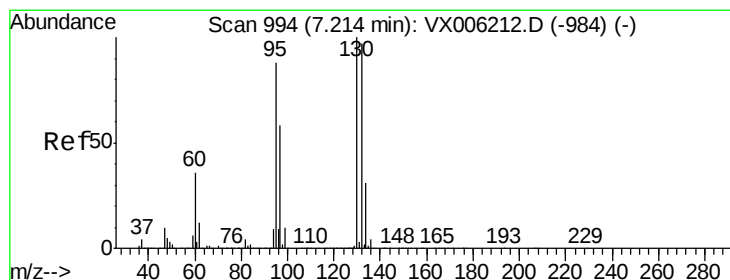
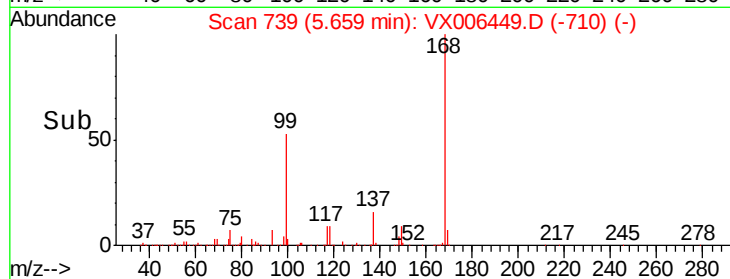
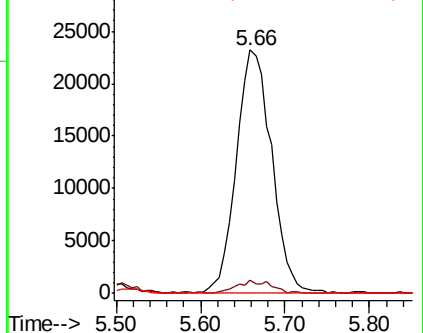
121 0.0 24.6 37.0#



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: 4.578 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX006449.D

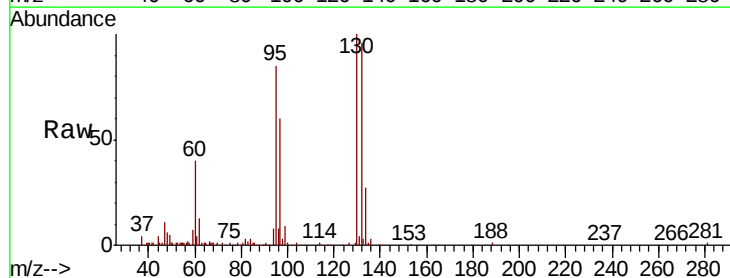
Acq: 12 Dec 2018 17:05

Tgt Ion:130 Resp: 38801

Ion Ratio Lower Upper

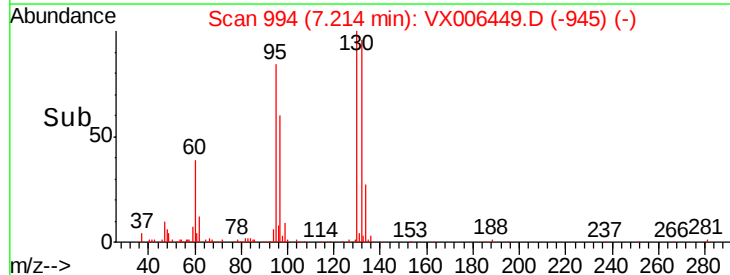
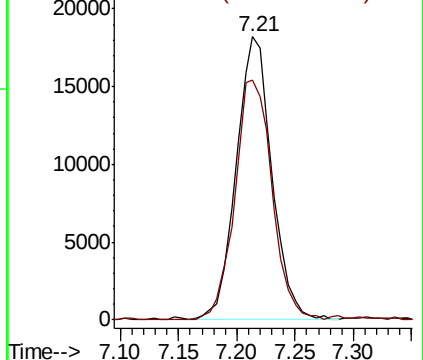
130 100

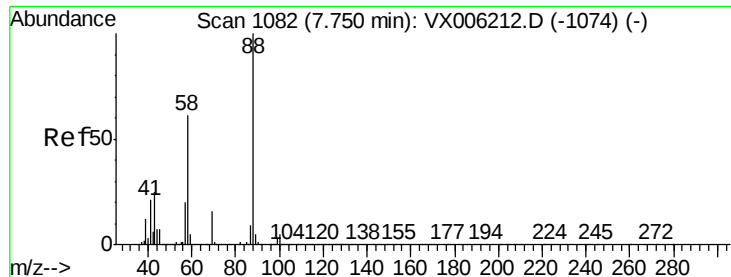
95 84.4 0.0 175.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 0.220 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX006449.D

Acq: 12 Dec 2018 17:05

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW02-20181211

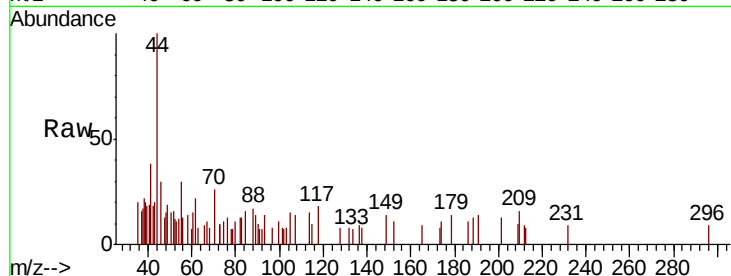
Tot Ion: 88 Resp: 46

Ion Ratio Lower Upper

88 100

43 0.0 23.2 34.8#

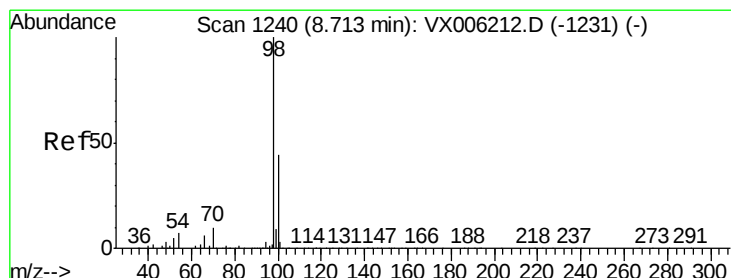
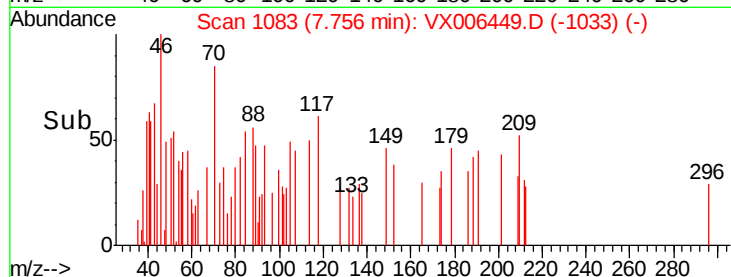
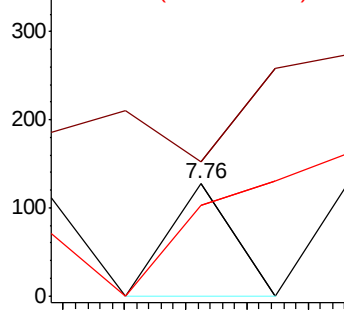
58 0.0 51.4 77.0#



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: 50.020 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006449.D

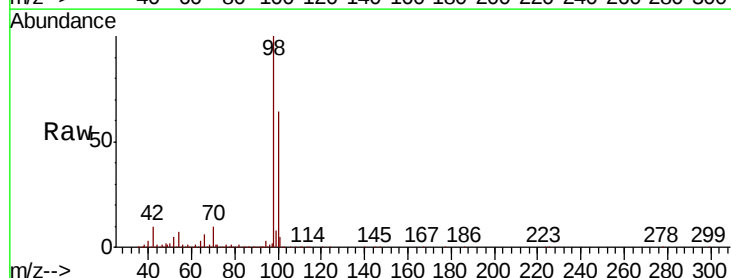
Acq: 12 Dec 2018 17:05

Tgt Ion: 98 Resp: 1306774

Ion Ratio Lower Upper

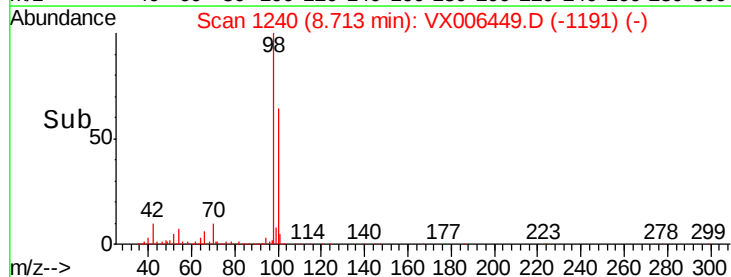
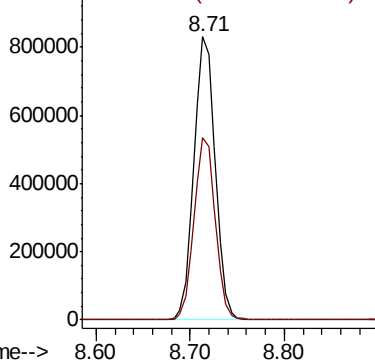
98 100

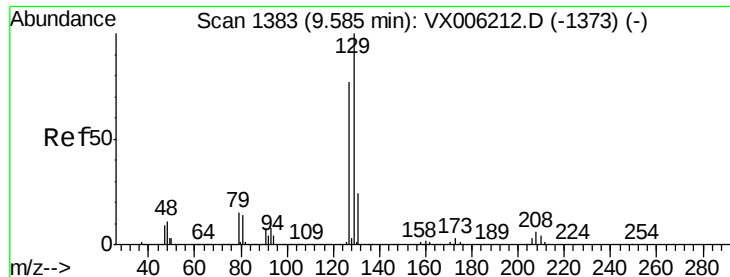
100 64.1 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 2.911 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX006449.D

Acq: 12 Dec 2018 17:05

Instrument :

MSVOA_X

ClientSampleId :

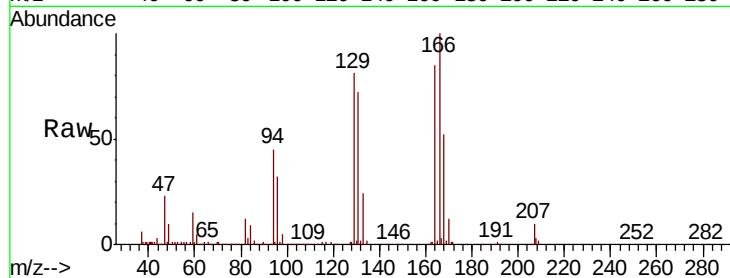
BP-FW-MW02-20181211

Tot Ion:129 Resp: 26842

Ion Ratio Lower Upper

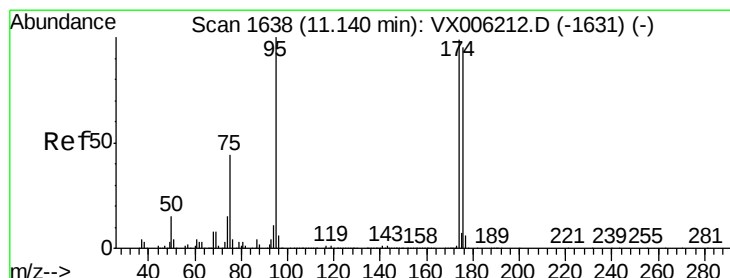
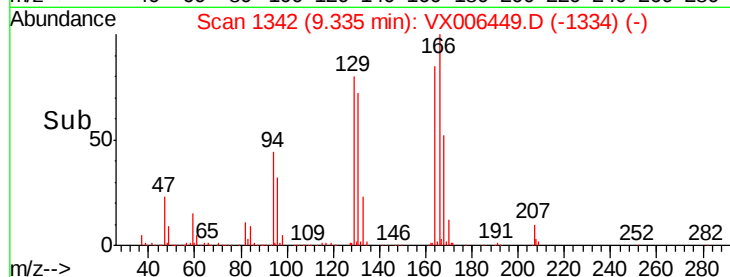
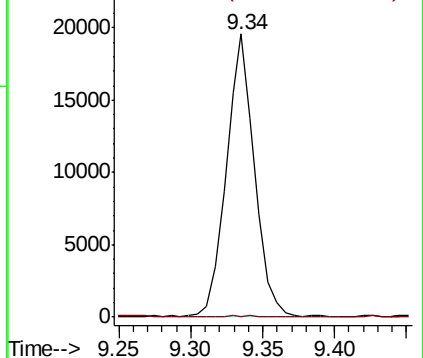
129 100

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



#62

4-Bromofluorobenzene

Concen: 48.629 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006449.D

Acq: 12 Dec 2018 17:05

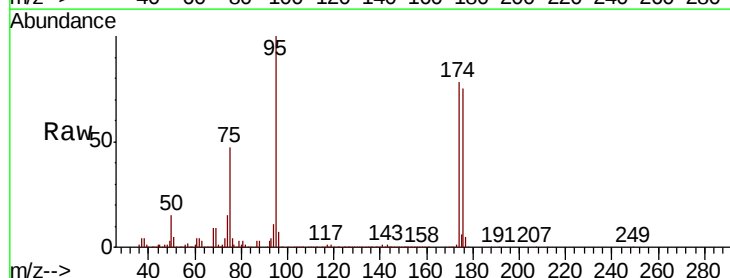
Tgt Ion: 95 Resp: 478737

Ion Ratio Lower Upper

95 100

174 86.9 0.0 187.0

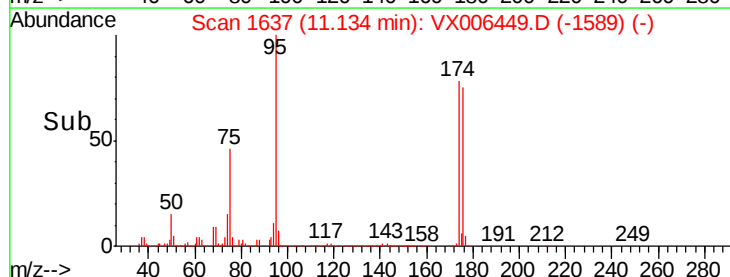
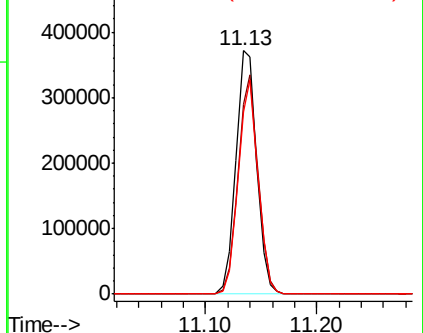
176 84.0 0.0 181.8

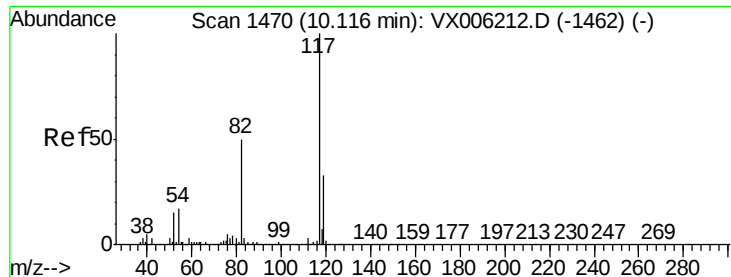


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

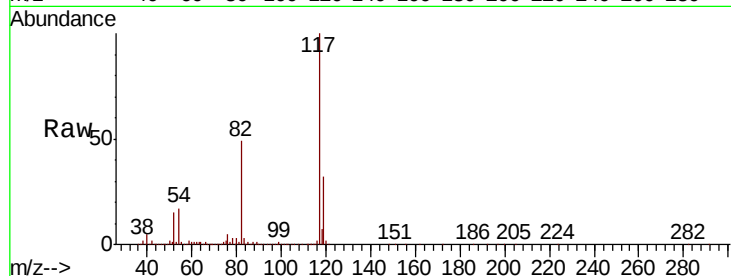




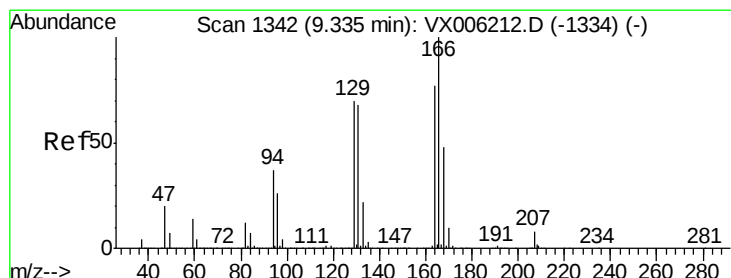
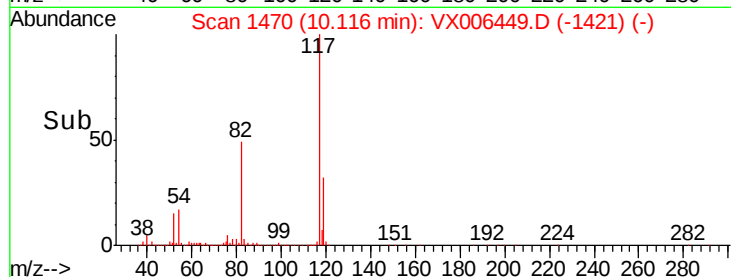
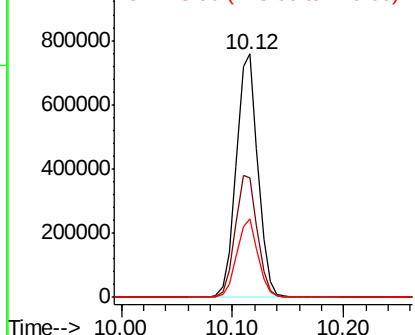
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006449.D
Acq: 12 Dec 2018 17:05

Instrument :
MSVOA_X
ClientSampleId :
BP-FW-MW02-20181211

Tot Ion:117 Resp: 1014462
Ion Ratio Lower Upper
117 100
82 49.1 39.6 59.4
119 32.1 26.3 39.5

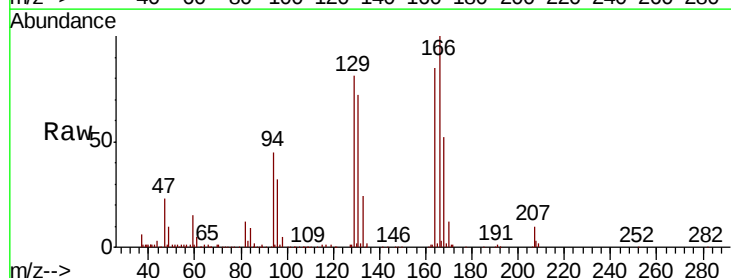


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

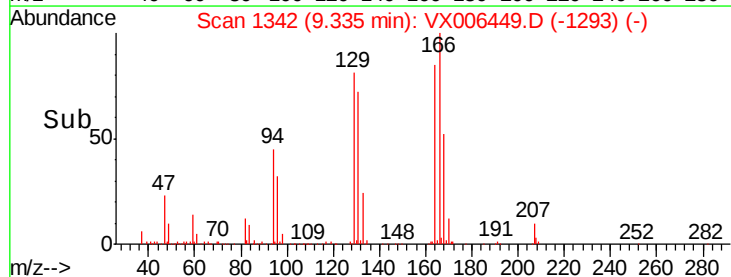
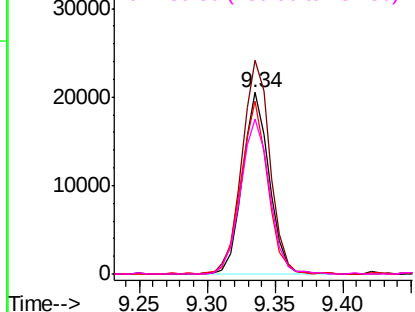


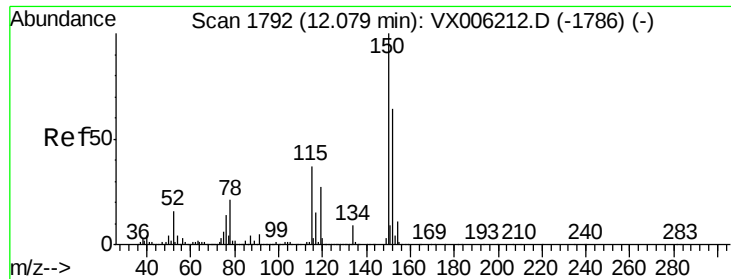
#64
Tetrachloroethene
Concen: 3.667 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX006449.D
Acq: 12 Dec 2018 17:05

Tgt Ion:164 Resp: 28017
Ion Ratio Lower Upper
164 100
166 117.8 104.2 156.2
129 95.2 72.6 108.8
131 85.2 70.3 105.5



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006449.D

Acq: 12 Dec 2018 17:05

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW02-20181211

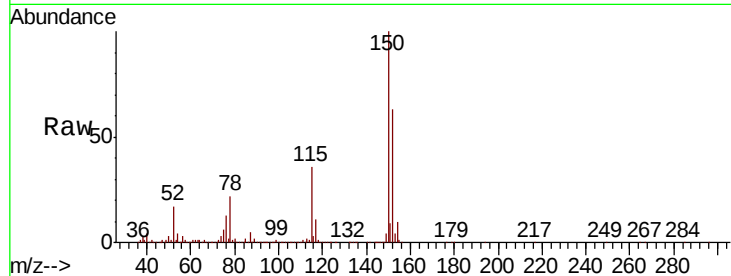
Tot Ion:152 Resp: 480809

Ion Ratio Lower Upper

152 100

115 56.4 39.0 116.9

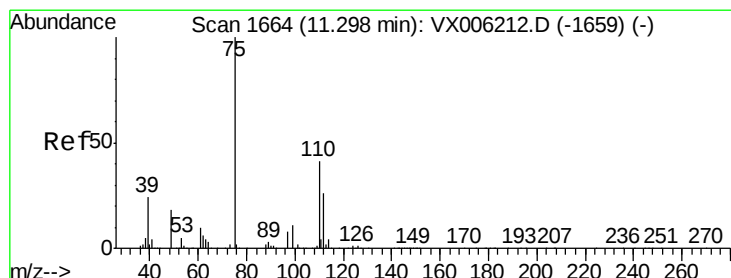
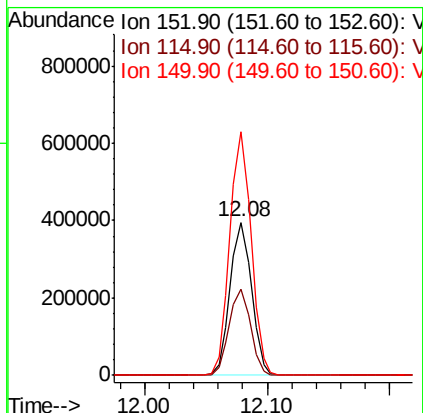
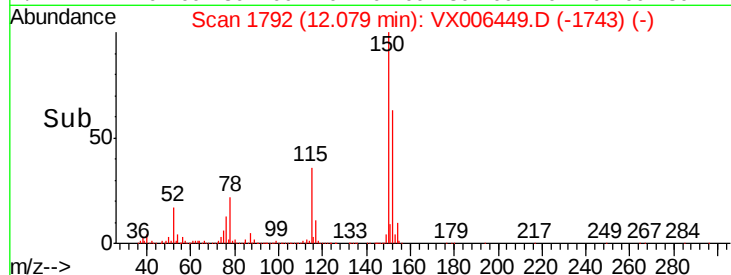
150 157.5 0.0 345.8



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: 23.652 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006449.D

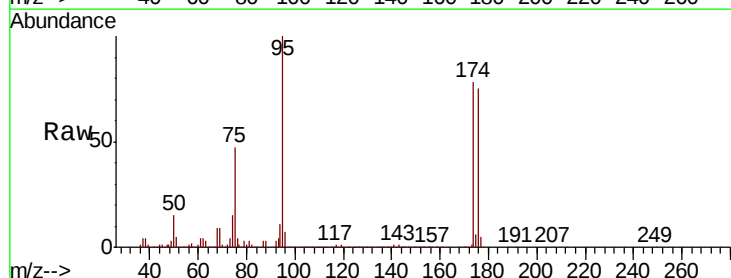
Acq: 12 Dec 2018 17:05

Tgt Ion: 75 Resp: 219502

Ion Ratio Lower Upper

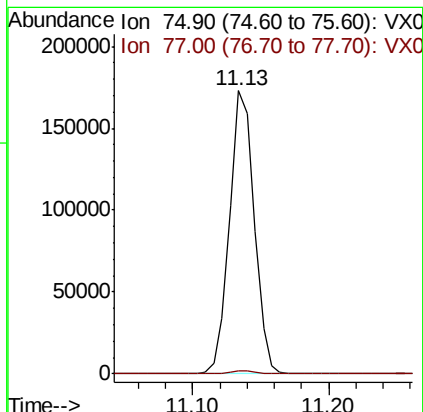
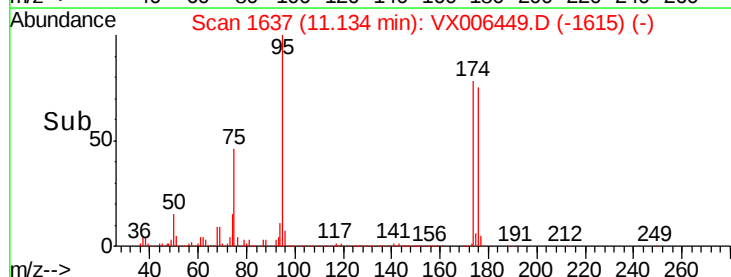
75 100

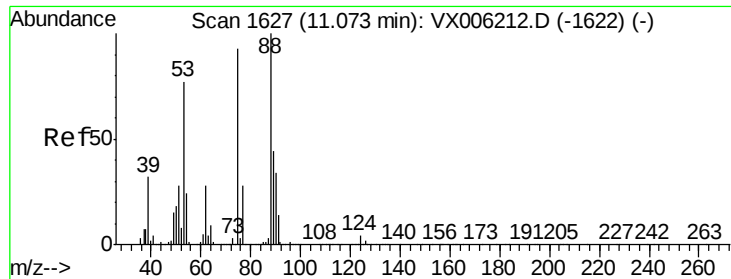
77 1.4 19.9 59.7#



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: 55.505 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006449.D

Acq: 12 Dec 2018 17:05

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW02-20181211

Tot Ion: 75 Resp: 219502

Ion Ratio Lower Upper

75 100

53 0.1 64.4 96.6#

89 0.0 44.2 66.4#

