

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120318\
 Data File : VX006250.D
 Acq On : 03 Dec 2018 13:51
 Operator : JC/MD
 Sample : J6153-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-F

Quant Time: Dec 04 04:56:00 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	5.66	168	912988	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1368643	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	1233296	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	596891	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	448033	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
35) Dibromofluoromethane	5.51	113	433762	48.95	ug/l	0.00
Spiked Amount			Recovery	=	97.90%	
50) Toluene-d8	8.71	98	1600819	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	11.14	95	578792	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	

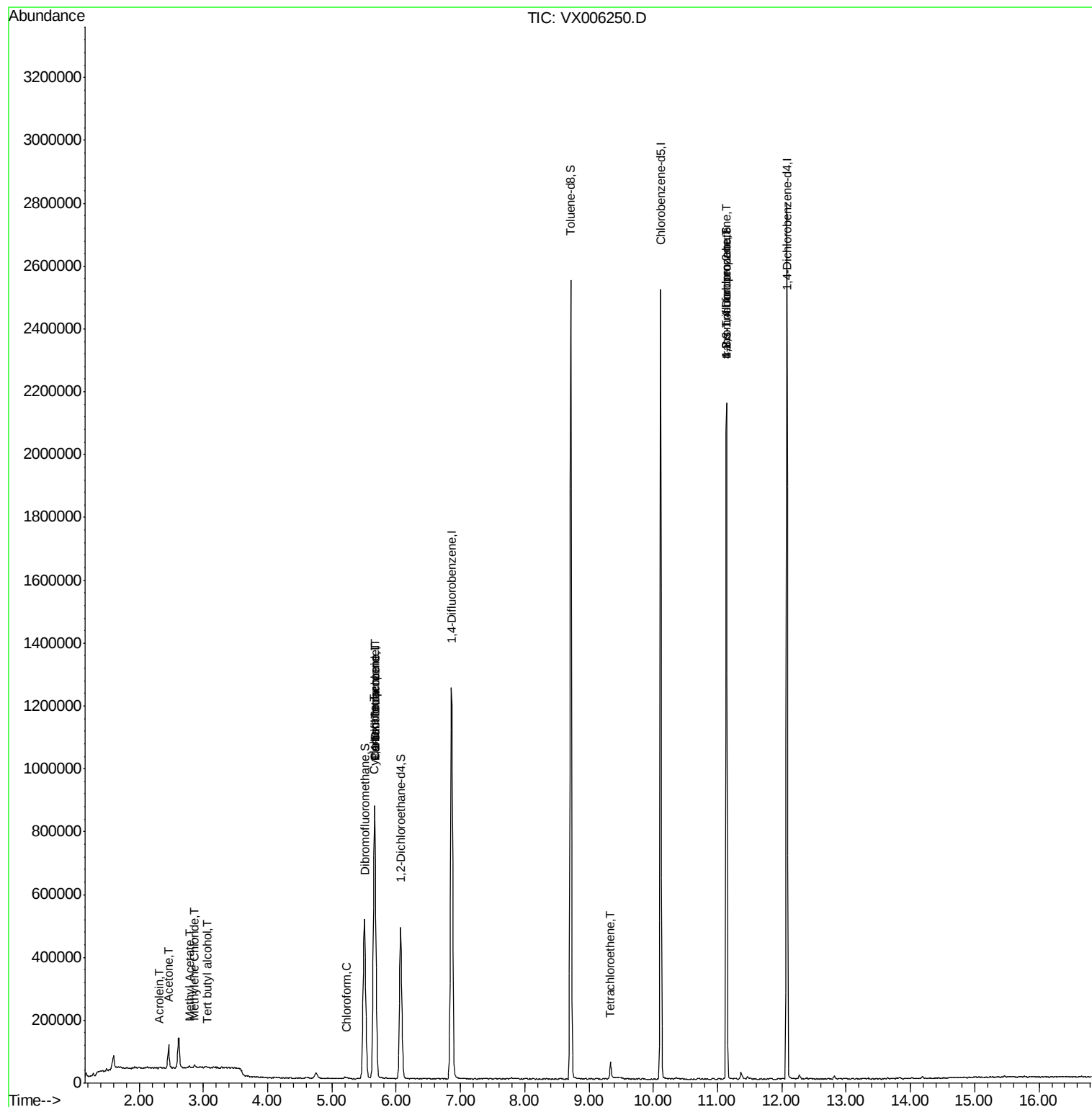
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	1306	0.512	ug/l #	51
13) Acrolein	2.32	56	535	0.384	ug/l #	13
16) Acetone	2.45	43	7656	1.750	ug/l #	83
18) Methyl Acetate	2.78	43	5909	0.404	ug/l	97
20) Methylene Chloride	2.86	84	5067	0.544	ug/l #	86
30) Chloroform	5.21	83	5313	0.347	ug/l	93
31) Cyclohexane	5.65	56	13464	1.000	ug/l #	10
36) 1,1-Dichloropropene	5.66	75	55126	4.783	ug/l #	49
38) Carbon Tetrachloride	5.66	117	82304	6.070	ug/l #	16
64) Tetrachloroethene	9.34	164	4966	0.535	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	268904	23.340	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.13	75	268904	54.773	ug/l #	15

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

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Instrument :
MSVOA_X
ClientSampleId :
MH-F

Quant Time: Dec 04 04:56:00 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: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX006250.D

Acq: 03 Dec 2018 13:51

Instrument :

MSVOA_X

ClientSampled :

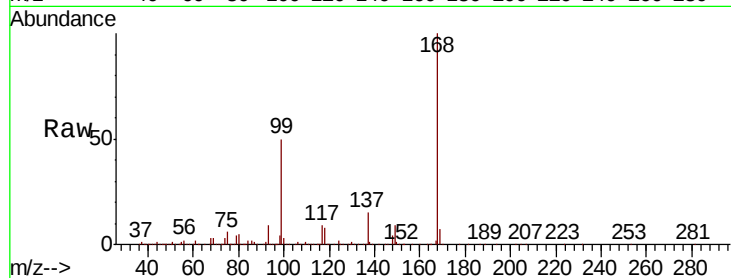
MH-F

Tot Ion:168 Resp: 912988

Ion Ratio Lower Upper

168 100

99 50.4 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

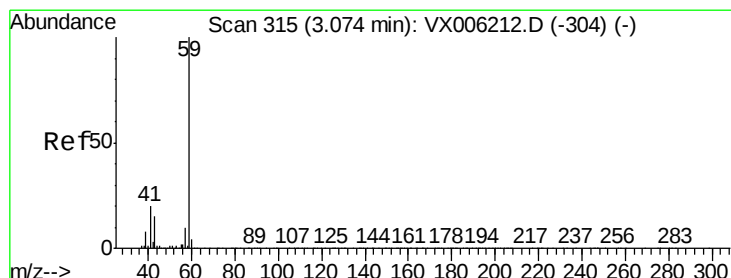
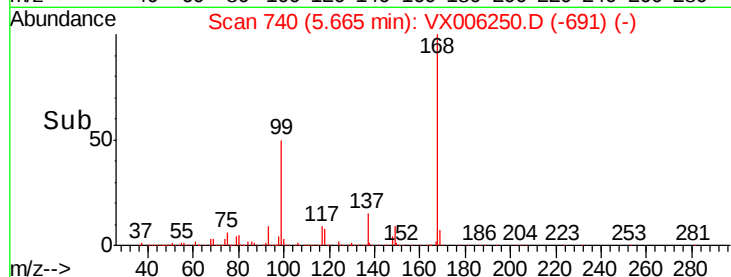
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.512 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX006250.D

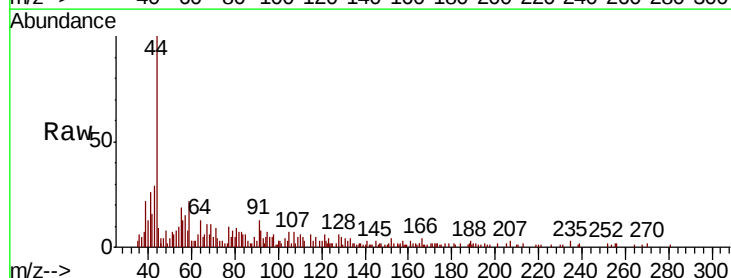
Acq: 03 Dec 2018 13:51

Tgt Ion: 59 Resp: 1306

Ion Ratio Lower Upper

59 100

57 28.3 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.06

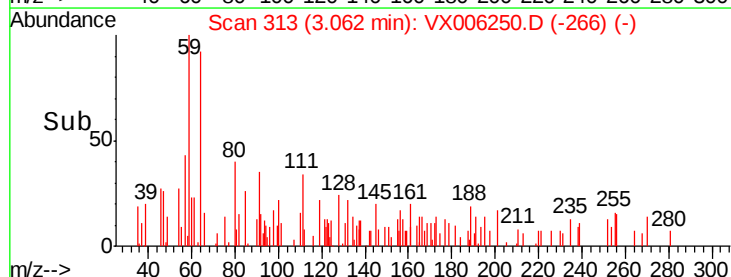
1500

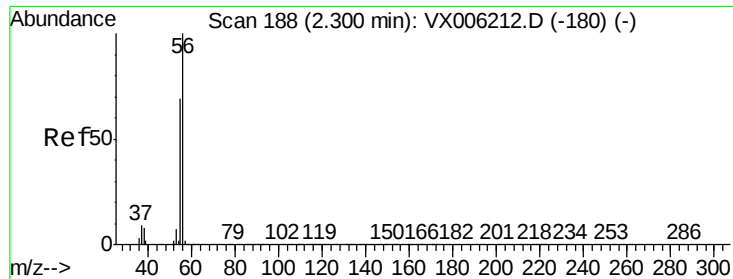
1000

500

0

Time-->

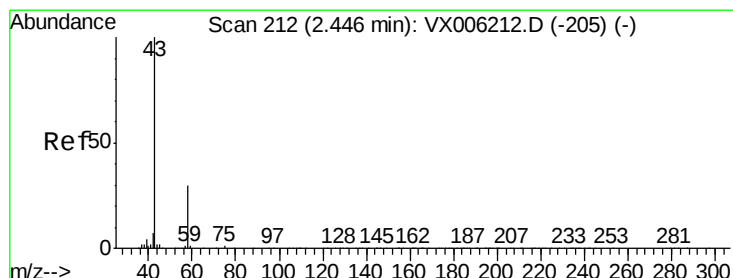
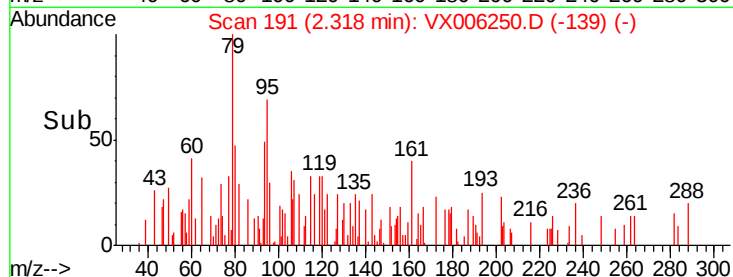
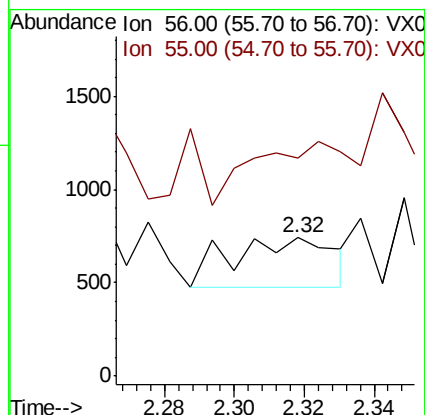
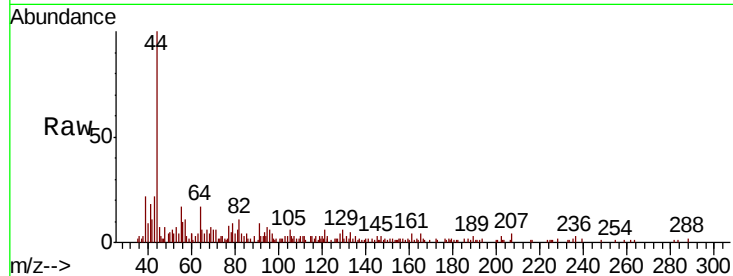




#13
Acrolein
Concen: 0.384 ug/l
RT: 2.32 min Scan# 191
Delta R.T. 0.02 min
Lab File: VX006250.D
Acq: 03 Dec 2018 13:51

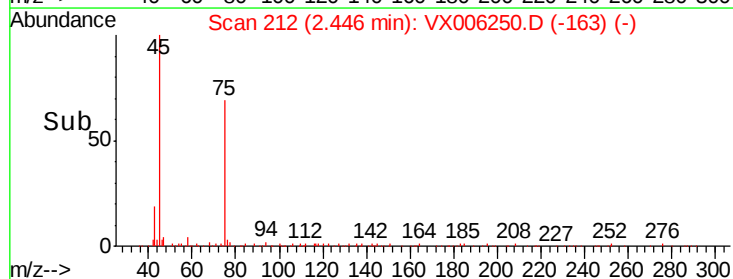
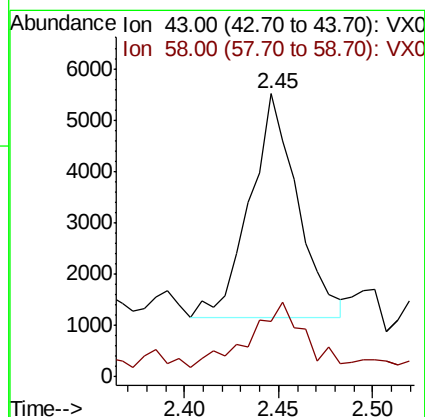
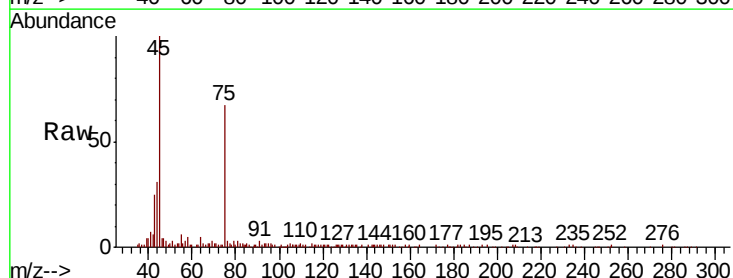
Instrument :
MSVOA_X
ClientSampleId :
MH-F

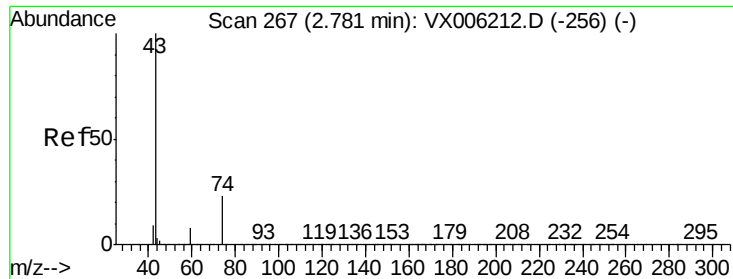
Tot Ion: 56 Resp: 535
Ion Ratio Lower Upper
56 100
55 0.0 57.8 86.6#



#16
Acetone
Concen: 1.750 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006250.D
Acq: 03 Dec 2018 13:51

Tgt Ion: 43 Resp: 7656
Ion Ratio Lower Upper
43 100
58 20.6 24.0 36.0#

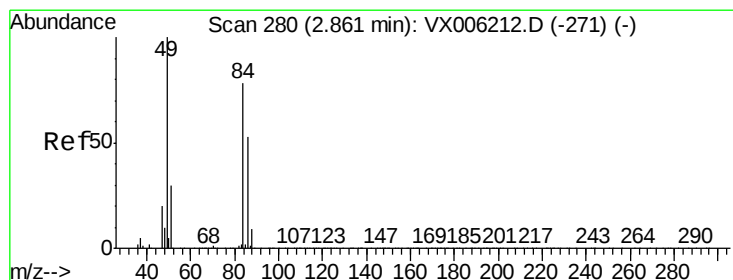
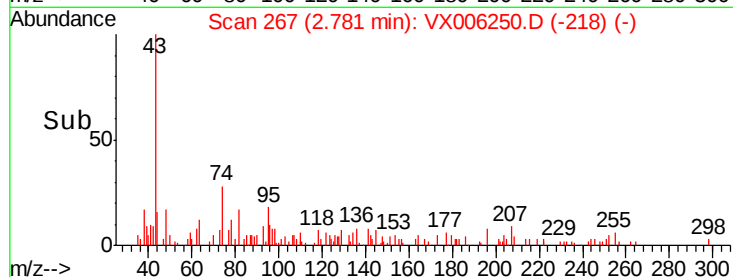
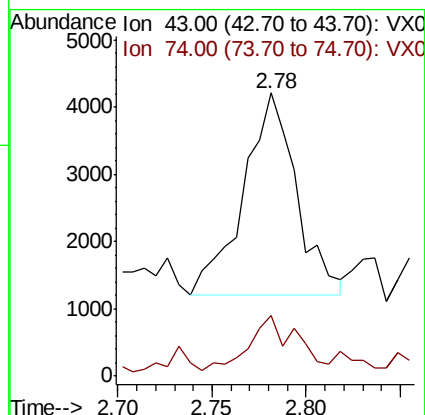
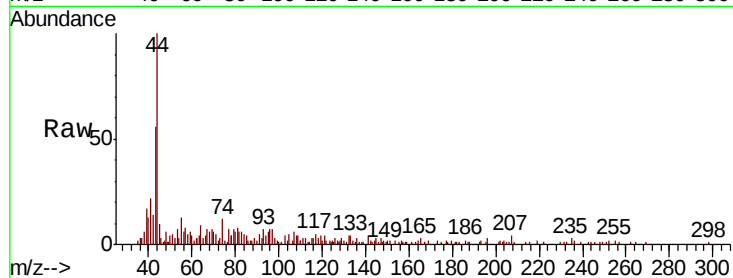




#18
Methyl Acetate
Concen: 0.404 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX006250.D
Acq: 03 Dec 2018 13:51

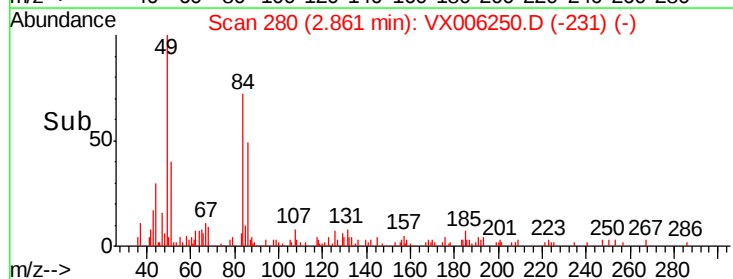
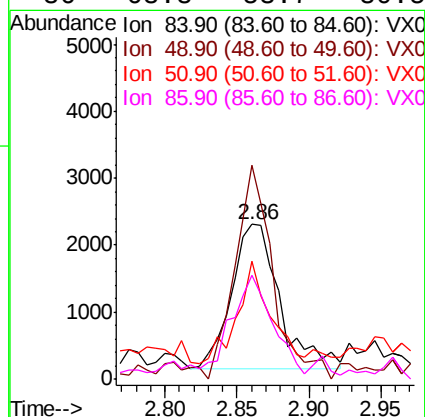
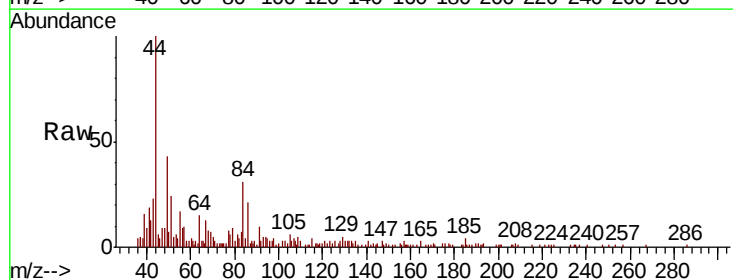
Instrument :
MSVOA_X
ClientSampled :
MH-F

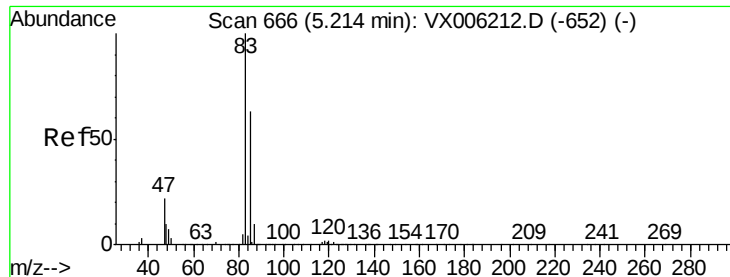
Tot Ion: 43 Resp: 5909
Ion Ratio Lower Upper
43 100
74 23.9 17.9 26.9



#20
Methylene Chloride
Concen: 0.544 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006250.D
Acq: 03 Dec 2018 13:51

Tgt Ion: 84 Resp: 5067
Ion Ratio Lower Upper
84 100
49 139.2 102.2 153.4
51 69.2 31.1 46.7#
86 68.8 53.7 80.5

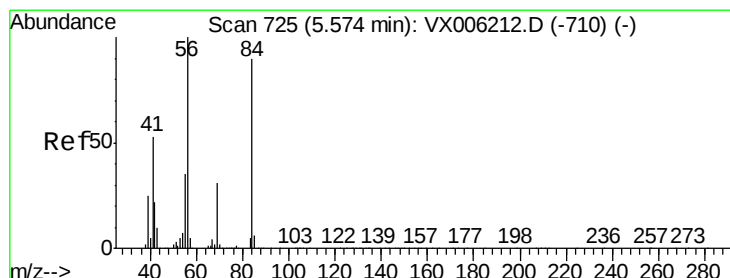
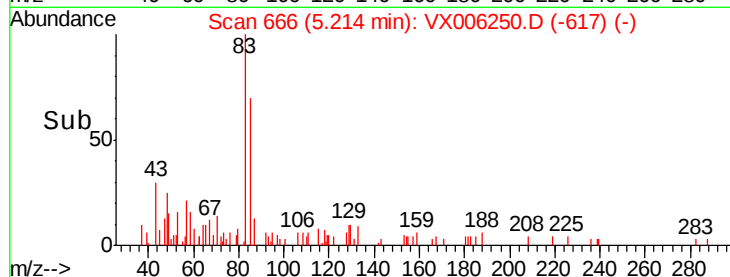
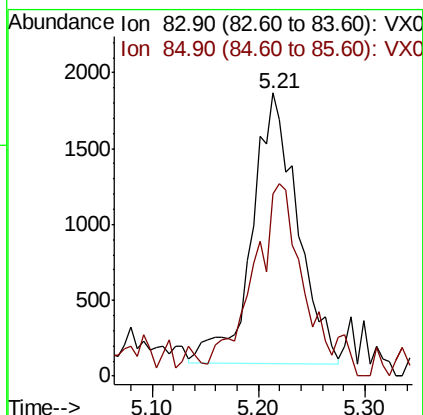
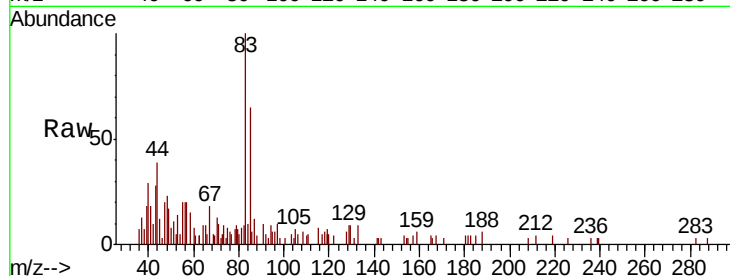




#30
Chloroform
Concen: 0.347 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX006250.D
Acq: 03 Dec 2018 13:51

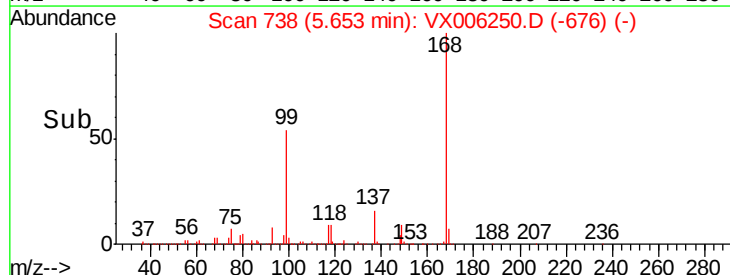
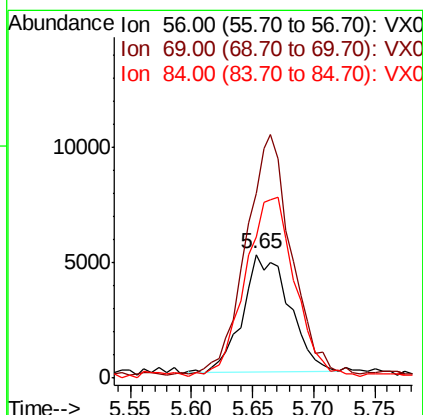
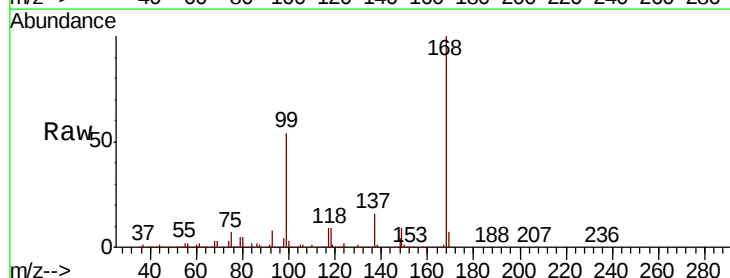
Instrument :
MSVOA_X
ClientSampleId :
MH-F

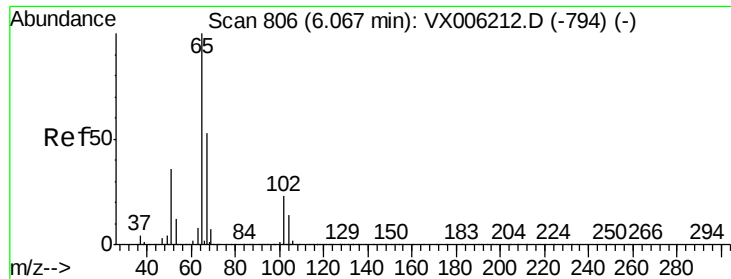
Tot Ion: 83 Resp: 5313
Ion Ratio Lower Upper
83 100
85 57.4 50.3 75.5



#31
Cyclohexane
Concen: 1.000 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX006250.D
Acq: 03 Dec 2018 13:51

Tgt Ion: 56 Resp: 13464
Ion Ratio Lower Upper
56 100
69 155.0 24.5 36.7#
84 130.5 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 48.071 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX006250.D

Acq: 03 Dec 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

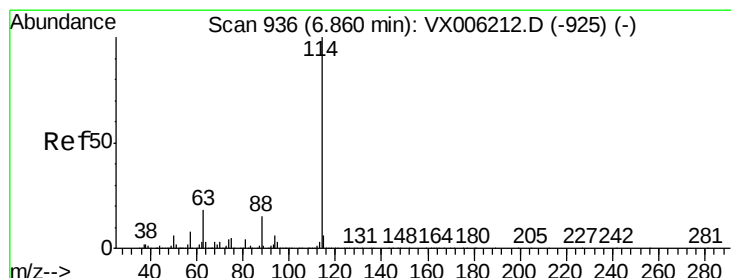
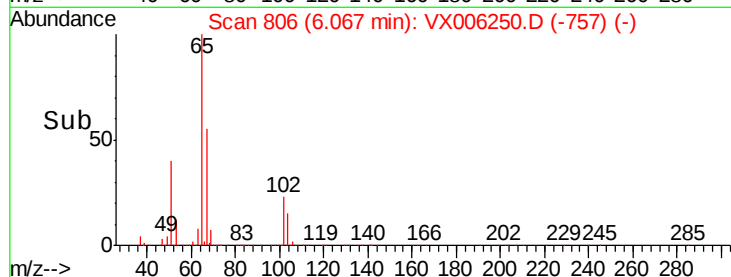
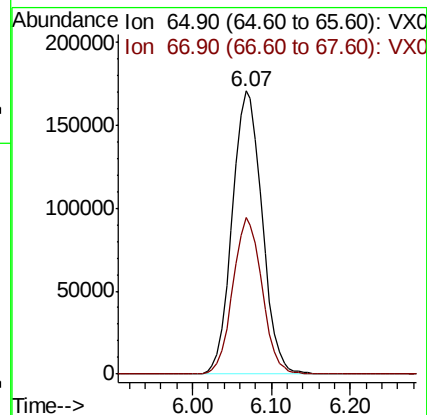
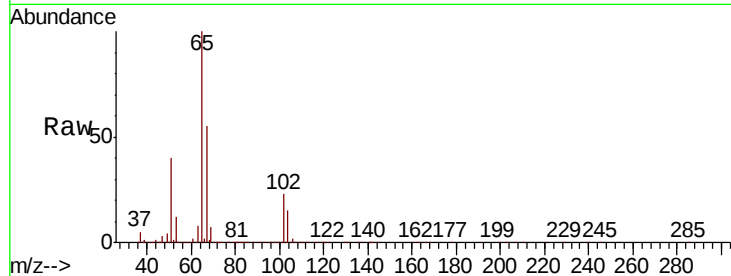
MH-F

Tot Ion: 65 Resp: 448033

Ion Ratio Lower Upper

65 100

67 53.8 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX006250.D

Acq: 03 Dec 2018 13:51

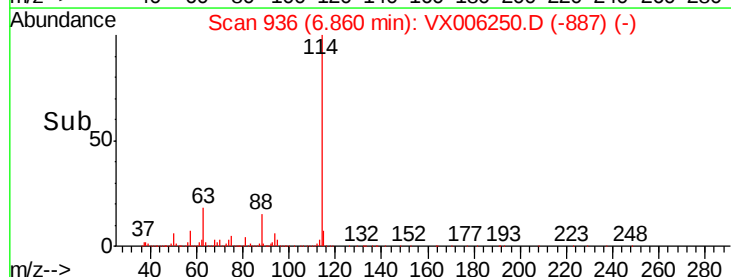
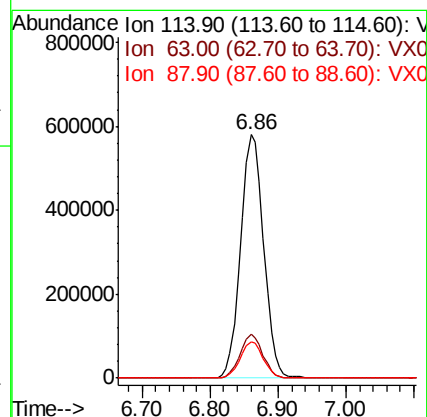
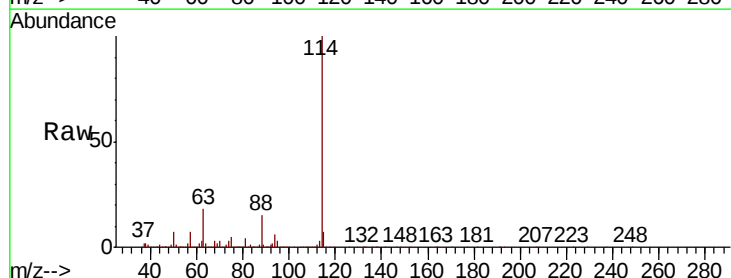
Tgt Ion: 114 Resp: 1368643

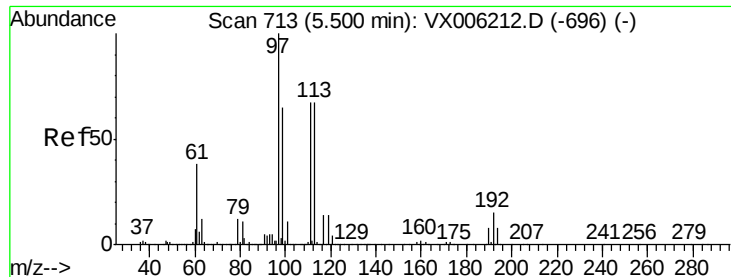
Ion Ratio Lower Upper

114 100

63 17.9 0.0 36.6

88 15.0 0.0 29.0





#35

Dibromofluoromethane

Concen: 48.949 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006250.D

Acq: 03 Dec 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

MH-F

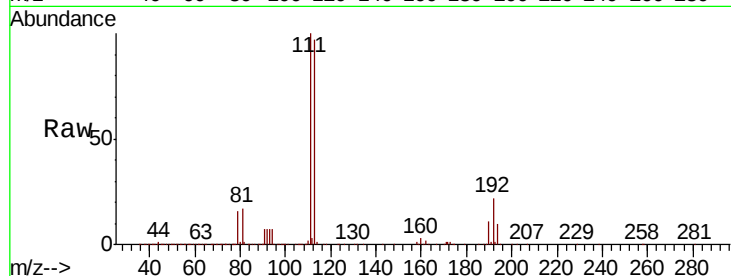
Tot Ion:113 Resp: 433762

Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

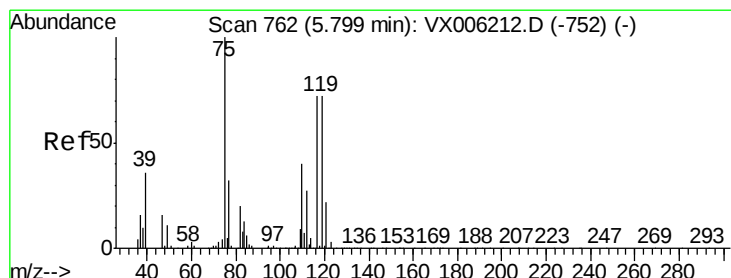
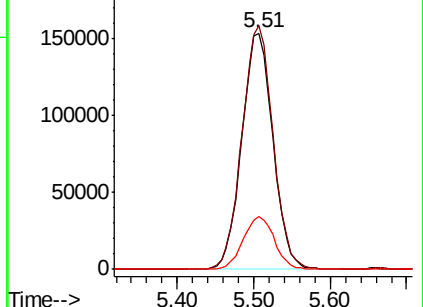
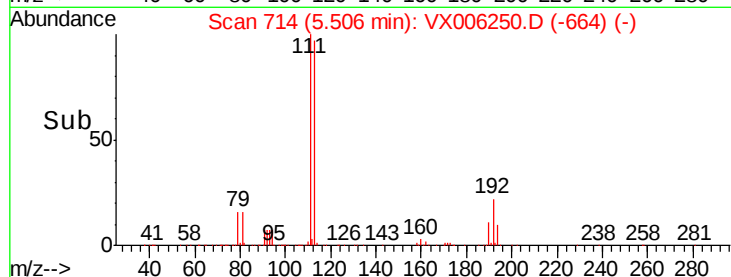
192 22.3 18.2 27.2



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: 4.783 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006250.D

Acq: 03 Dec 2018 13:51

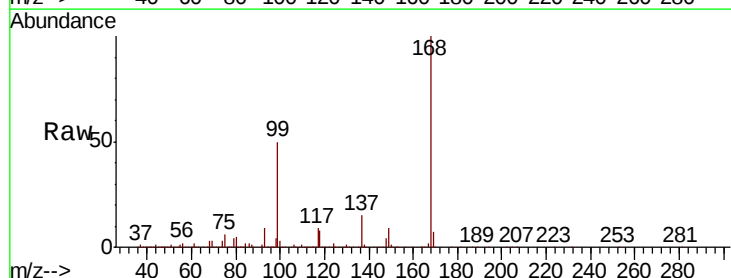
Tgt Ion: 75 Resp: 55126

Ion Ratio Lower Upper

75 100

110 10.8 20.4 61.3#

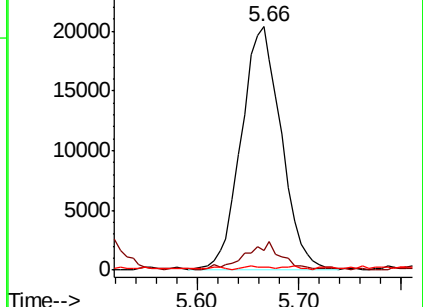
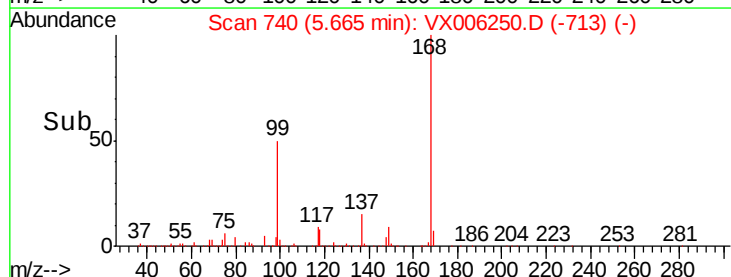
77 0.7 24.9 37.3#

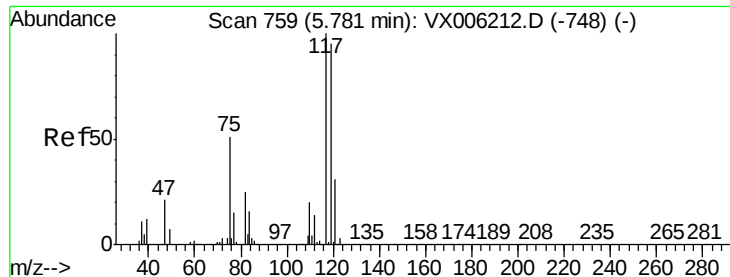


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.070 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006250.D

Acq: 03 Dec 2018 13:51

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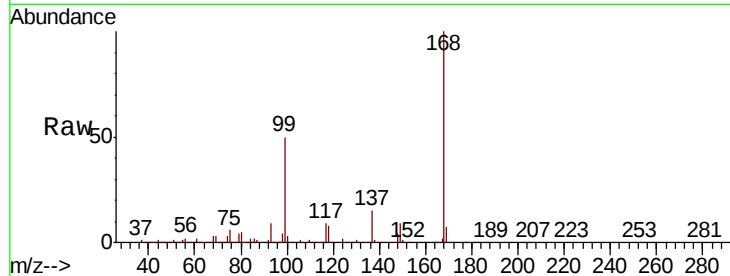
Tot Ion:117 Resp: 82304

Ion Ratio Lower Upper

117 100

119 4.0 75.8 113.8#

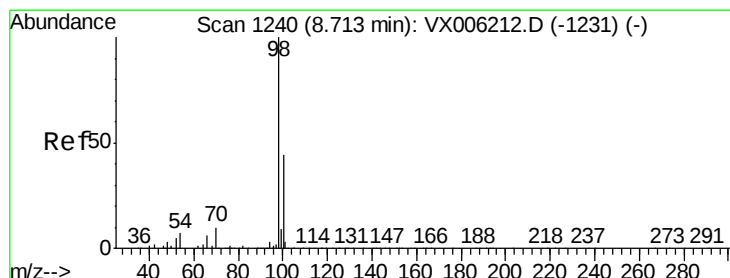
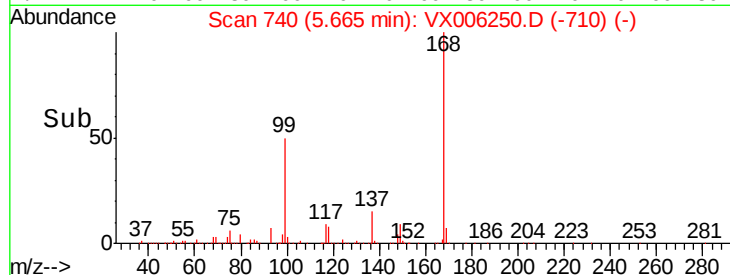
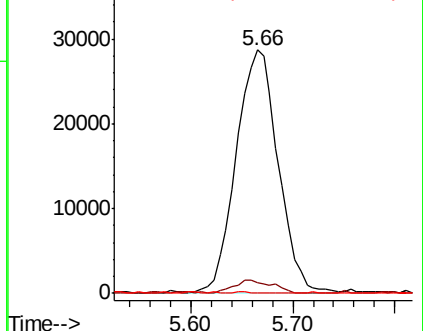
121 0.0 24.6 37.0#



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



#50

Toluene-d8

Concen: 49.664 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX006250.D

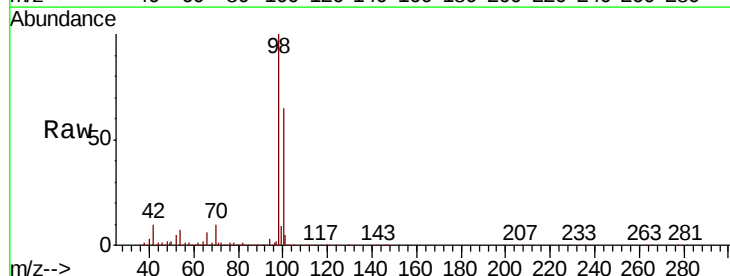
Acq: 03 Dec 2018 13:51

Tgt Ion: 98 Resp: 1600819

Ion Ratio Lower Upper

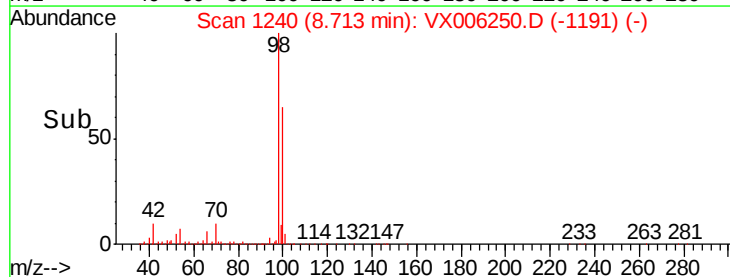
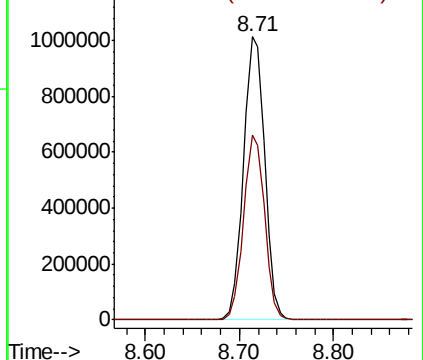
98 100

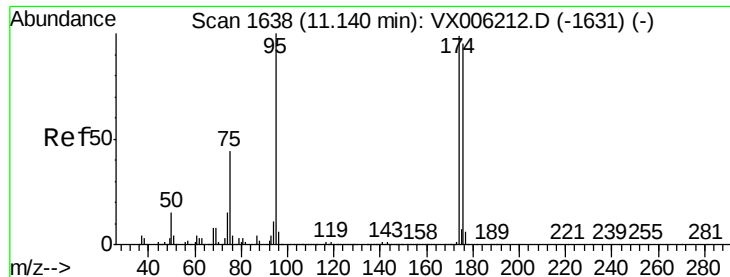
100 64.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 47.652 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX006250.D

Acq: 03 Dec 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

MH-F

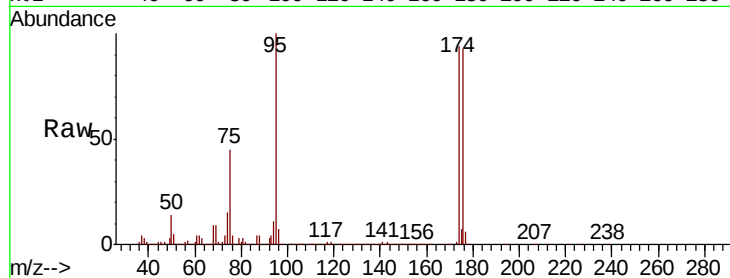
Tot Ion: 95 Resp: 578792

Ion Ratio Lower Upper

95 100

174 90.3 0.0 187.0

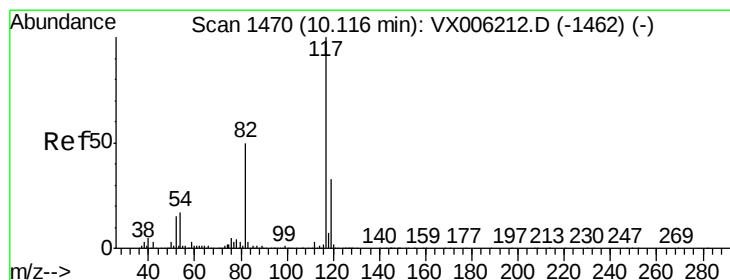
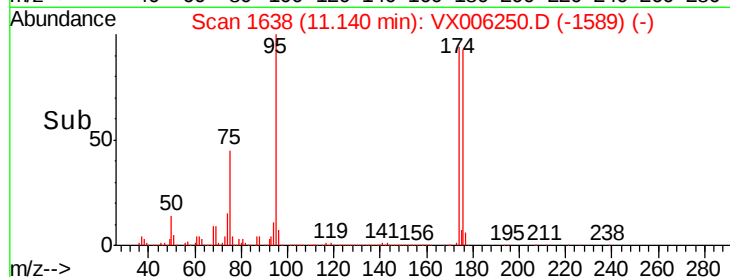
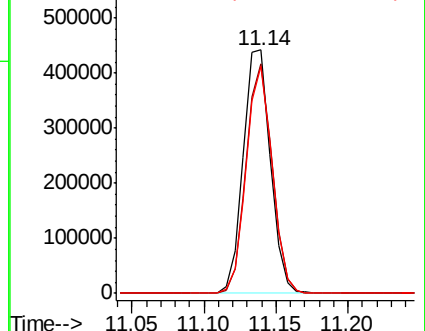
176 88.6 0.0 181.8



Abundance Ion 94.90 (94.60 to 95.60): VX006212.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006212.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006212.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX006250.D

Acq: 03 Dec 2018 13:51

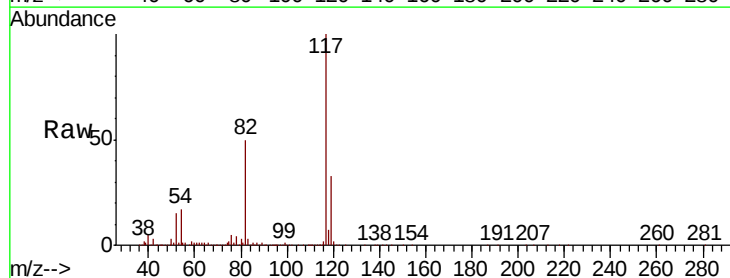
Tgt Ion: 117 Resp: 1233296

Ion Ratio Lower Upper

117 100

82 49.6 39.6 59.4

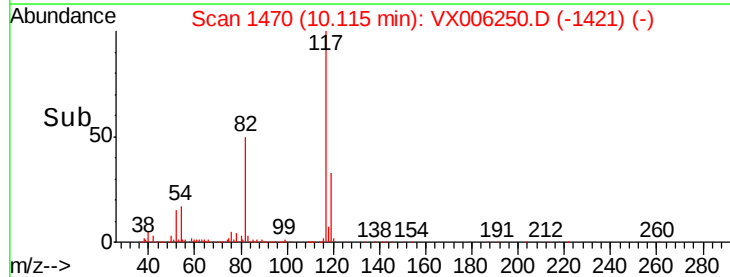
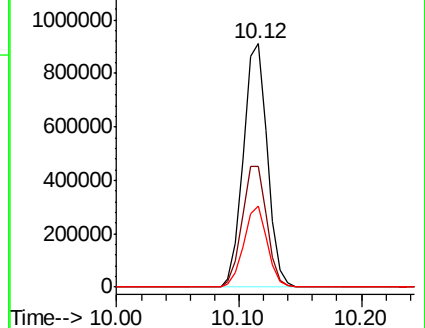
119 33.1 26.3 39.5

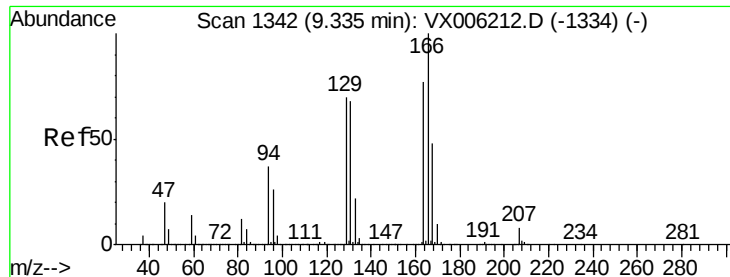


Abundance Ion 116.90 (116.60 to 117.60): VX006212.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006212.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006212.D (-1462) (-)





#64

Tetrachloroethene

Concen: 0.535 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX006250.D

Acq: 03 Dec 2018 13:51

Instrument :

MSVOA_X

ClientSampleId :

MH-F

Tot Ion:164 Resp: 4966

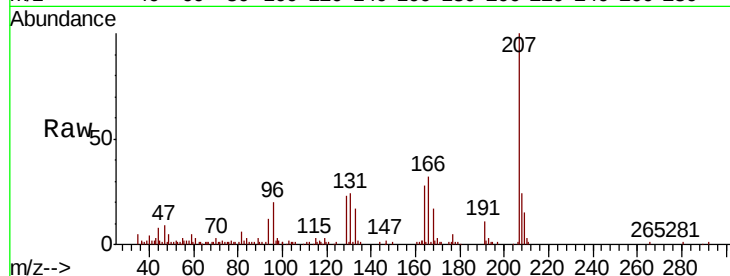
Ion Ratio Lower Upper

164 100

166 114.0 104.2 156.2

129 83.9 72.6 108.8

131 84.2 70.3 105.5

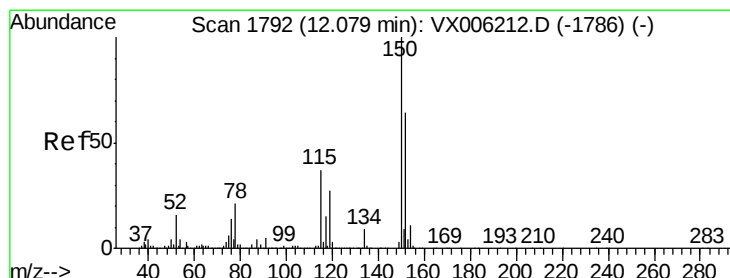
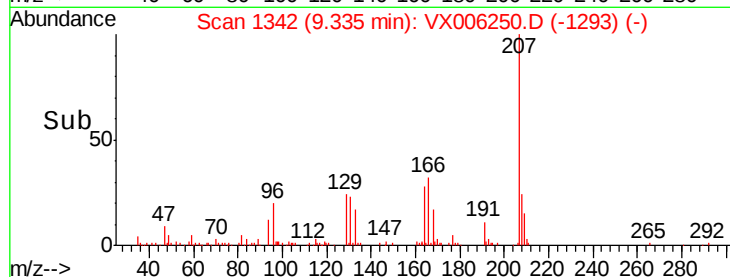
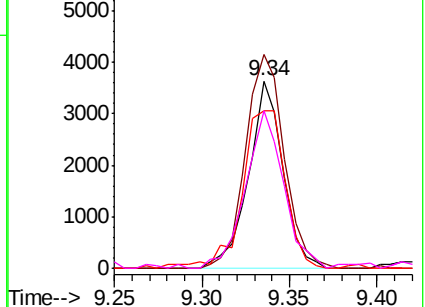


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX006250.D

Acq: 03 Dec 2018 13:51

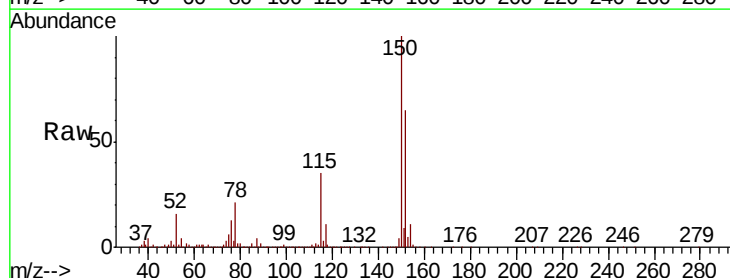
Tgt Ion:152 Resp: 596891

Ion Ratio Lower Upper

152 100

115 55.8 39.0 116.9

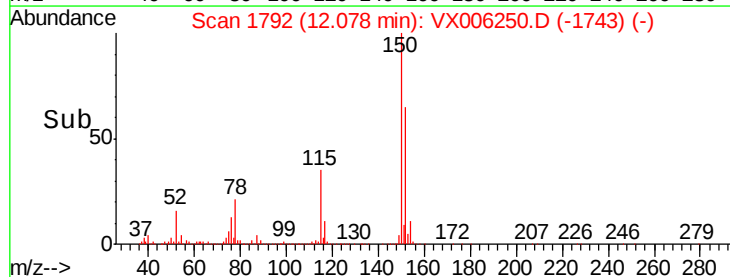
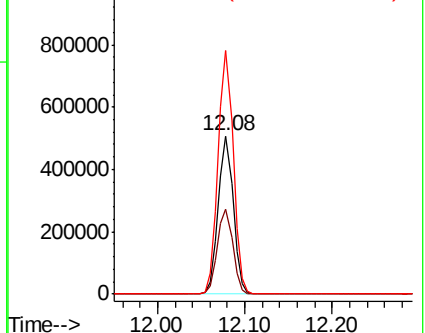
150 156.2 0.0 345.8

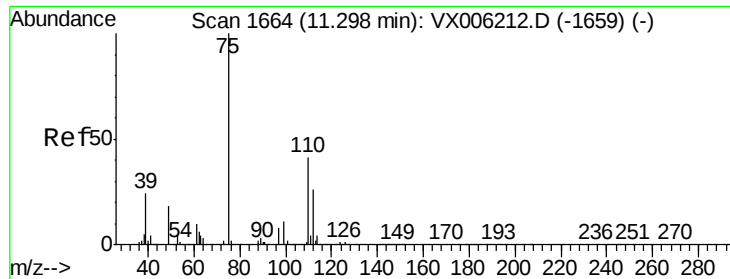


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

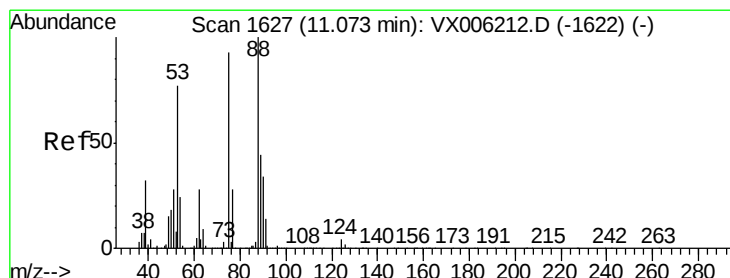
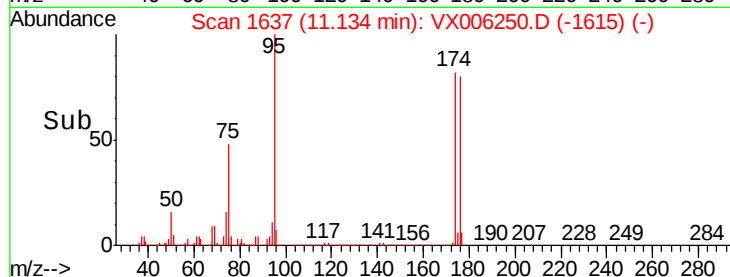
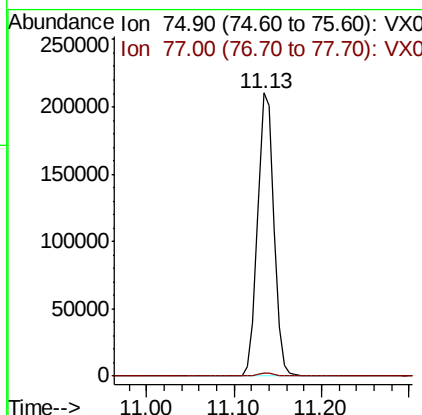
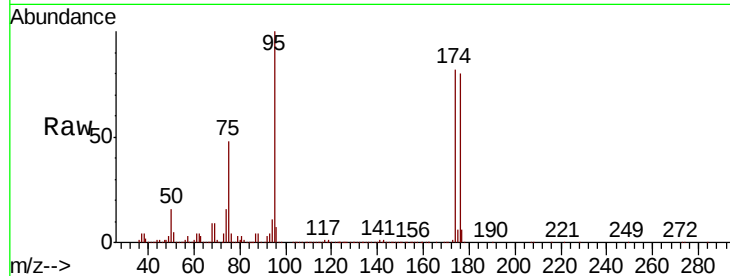




#76
 1,2,3-Trichloropropane
 Concen: 23.340 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006250.D
 Acq: 03 Dec 2018 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 MH-F

Tot Ion: 75 Resp: 268904
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.9 59.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 54.773 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006250.D
 Acq: 03 Dec 2018 13:51

Tgt Ion: 75 Resp: 268904
 Ion Ratio Lower Upper
 75 100
 53 0.0 64.4 96.6#
 89 0.1 44.2 66.4#

