

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031519\
 Data File : VX008118.D
 Acq On : 15 Mar 2019 20:50
 Operator : JC/SP
 Sample : K1856-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-FW-MW02-20190310

Quant Time: Mar 16 01:09:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 15 03:56:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	253450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382688	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	362212	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	180523	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	126076	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
35) Dibromofluoromethane	5.50	113	123781	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
50) Toluene-d8	8.71	98	457486	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	11.13	95	166209	50.27	ug/l	0.00
Spiked Amount			Recovery	=	100.54%	

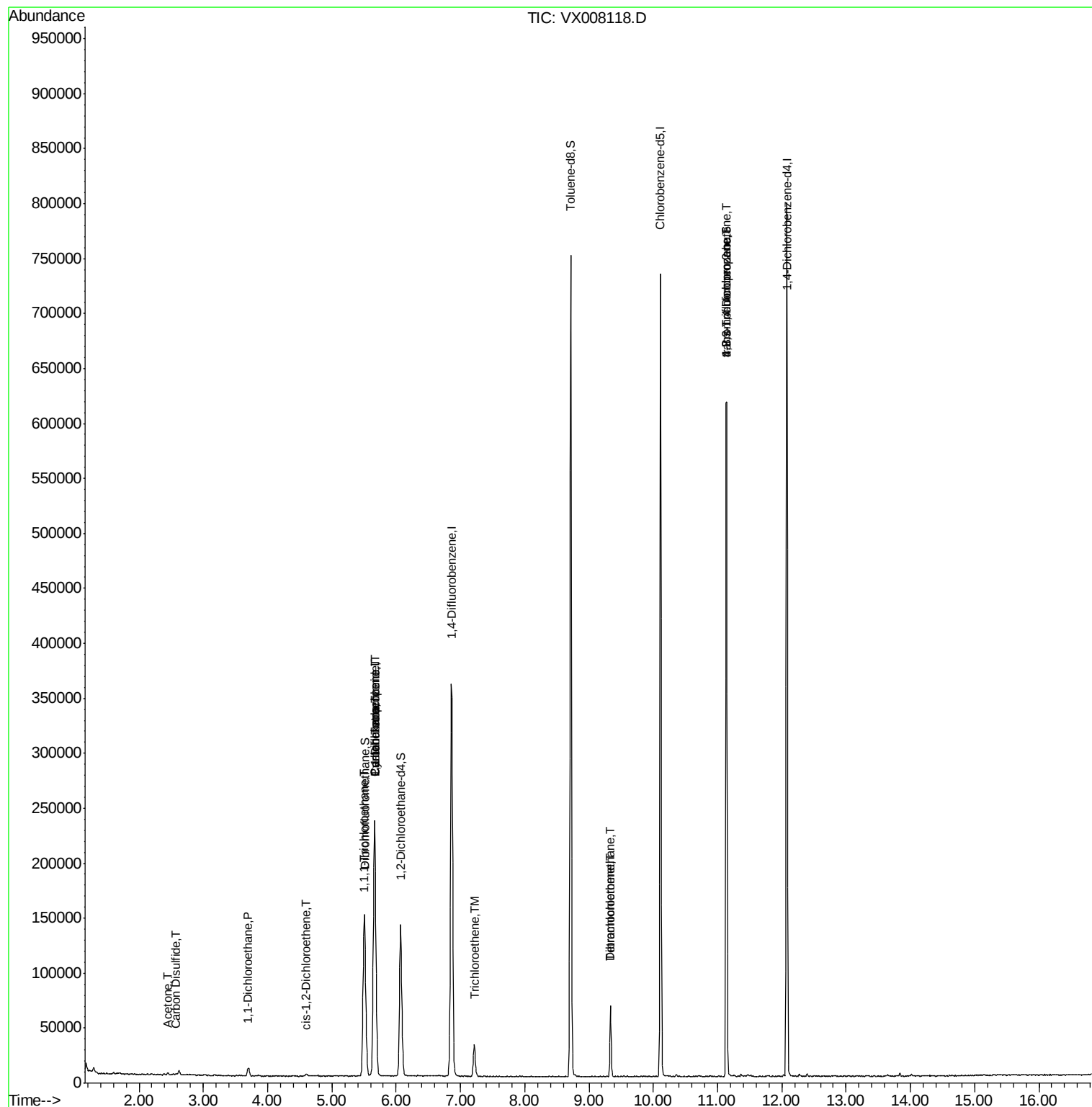
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	402	Below Cal		89
6) Chloroethane	1.71	64	60	Below Cal	#	43
16) Acetone	2.45	43	2753	2.281	ug/l	94
17) Carbon Disulfide	2.57	76	1291	0.233	ug/l	97
24) 1,1-Dichloroethane	3.70	63	8319	2.170	ug/l	95
27) cis-1,2-Dichloroethene	4.60	96	1184	0.478	ug/l	83
31) Cyclohexane	5.67	56	3509	0.960	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	5740	1.755	ug/l	99
36) 1,1-Dichloropropene	5.66	75	14228	4.519	ug/l #	49
38) Carbon Tetrachloride	5.67	117	20865	6.885	ug/l #	16
44) Trichloroethene	7.21	130	12821	4.606	ug/l	95
60) Dibromochloromethane	9.34	129	12204	4.743	ug/l #	11
64) Tetrachloroethene	9.34	164	13942	4.751	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	75909	24.212	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	75909	68.899	ug/l #	11

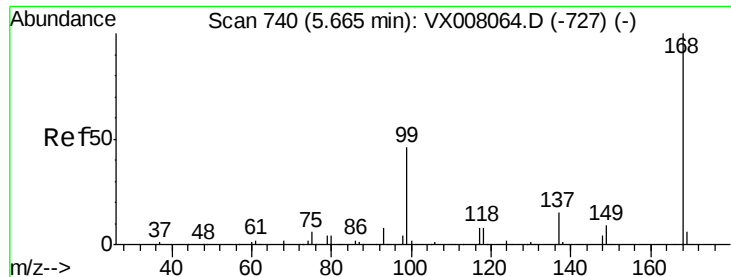
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031519\
Data File : VX008118.D
Acq On : 15 Mar 2019 20:50
Operator : JC/SP
Sample : K1856-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-FW-MW02-20190310

Quant Time: Mar 16 01:09:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X031419W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 15 03:56:35 2019
Response via : Initial Calibration

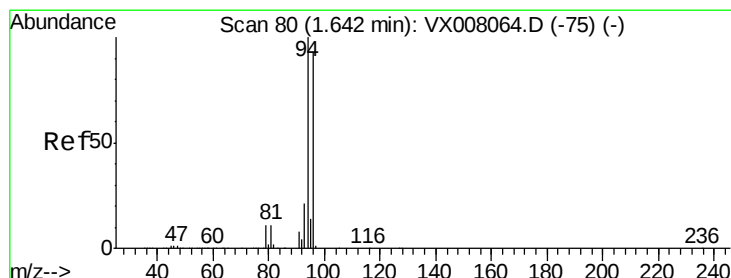
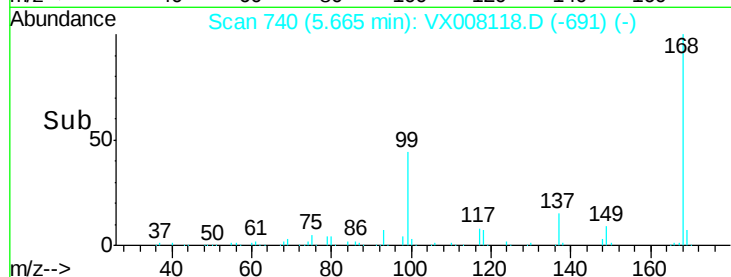
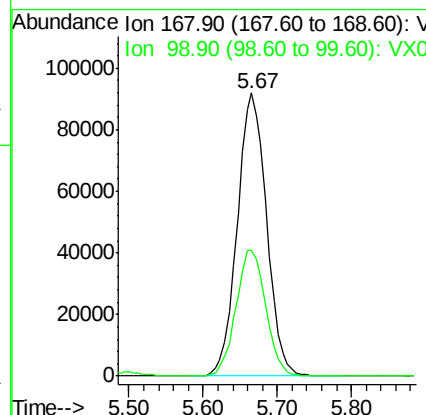
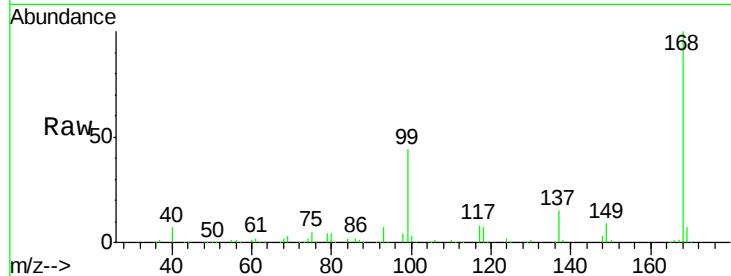




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX008118.D
Acq: 15 Mar 2019 20:50

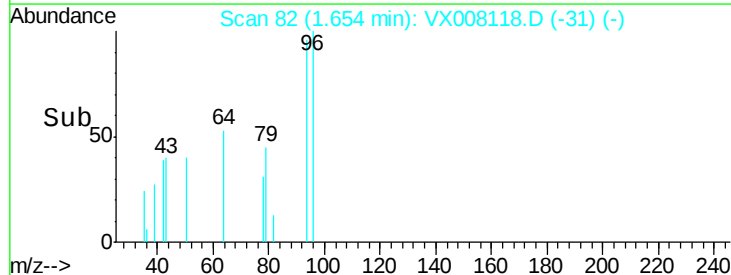
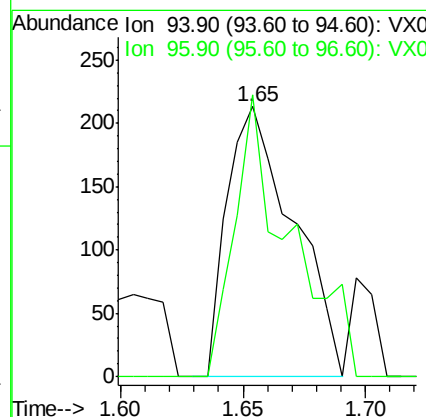
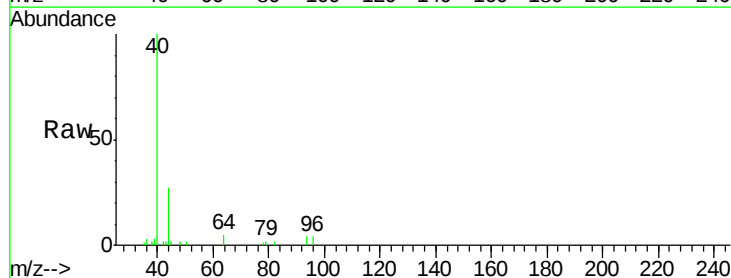
Instrument :
MSVOA_X
ClientSampleId :
BP-FW-MW02-20190310

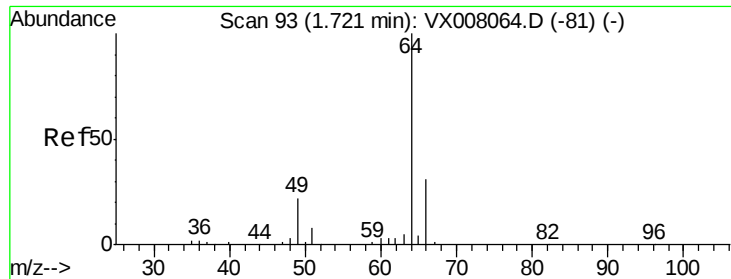
Tot Ion:168 Resp: 253450
Ion Ratio Lower Upper
168 100
99 44.4 37.6 56.4



#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 82
Delta R.T. 0.01 min
Lab File: VX008118.D
Acq: 15 Mar 2019 20:50

Tgt Ion: 94 Resp: 402
Ion Ratio Lower Upper
94 100
96 104.7 75.5 113.3





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX008118.D

Acq: 15 Mar 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

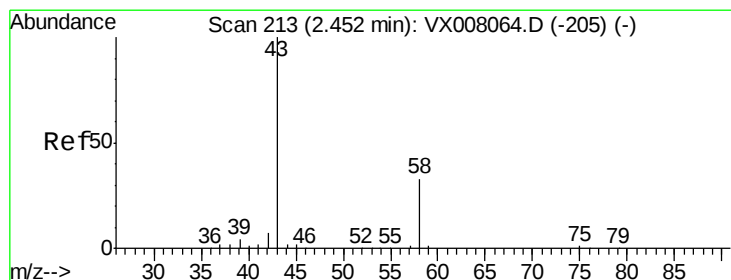
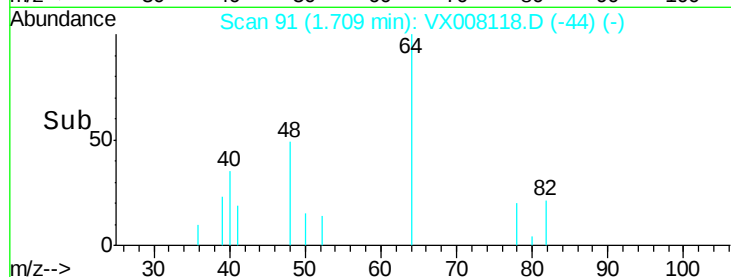
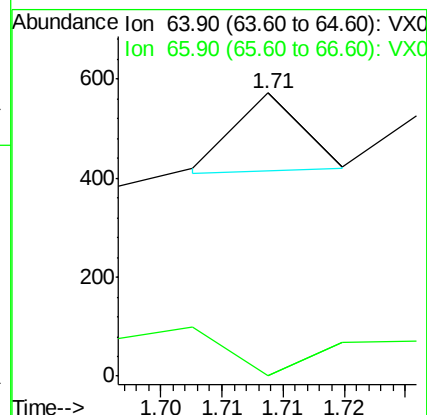
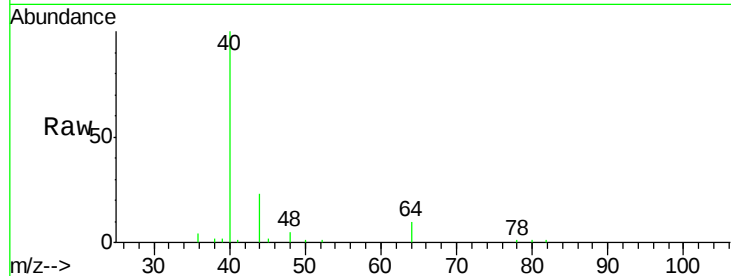
BP-FW-MW02-20190310

Tot Ion: 64 Resp: 60

Ion Ratio Lower Upper

64 100

66 0.0 25.2 37.8#



#16

Acetone

Concen: 2.281 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX008118.D

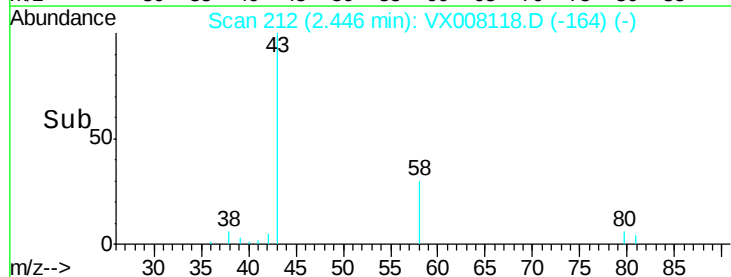
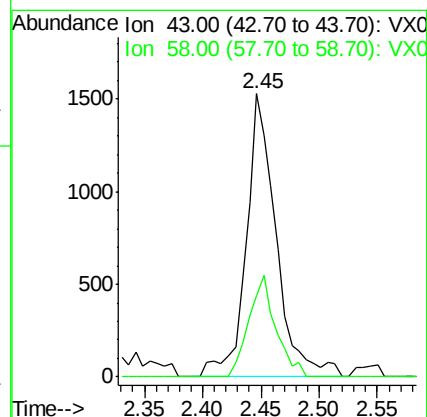
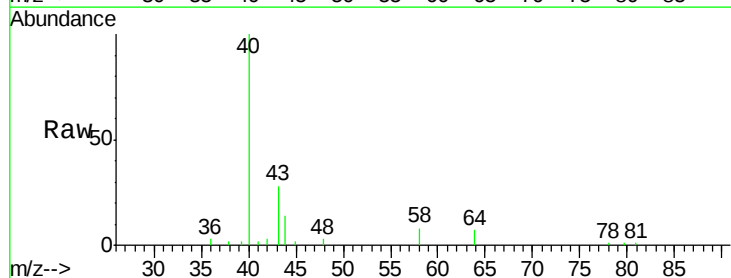
Acq: 15 Mar 2019 20:50

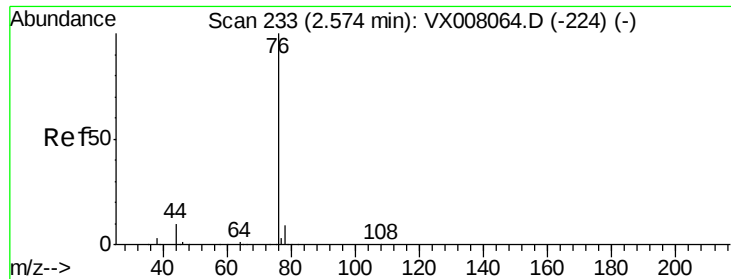
Tgt Ion: 43 Resp: 2753

Ion Ratio Lower Upper

43 100

58 28.8 25.5 38.3

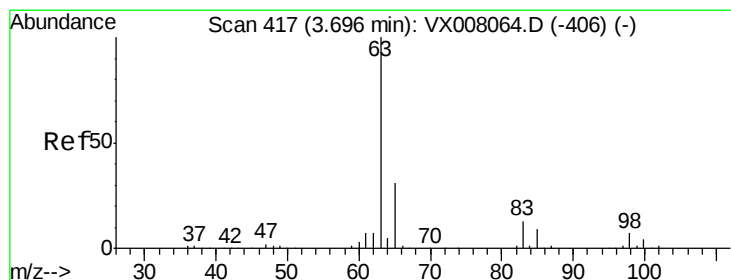
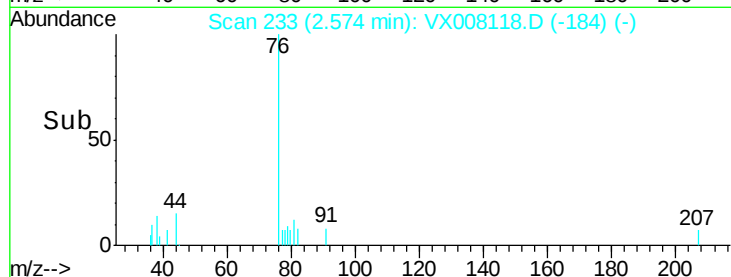
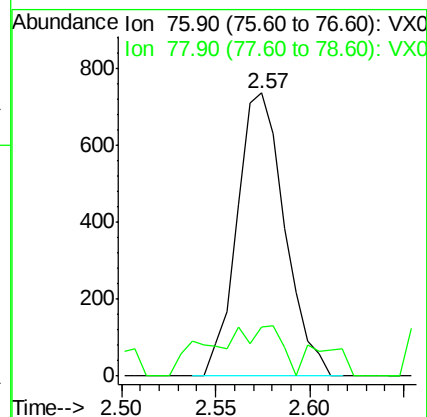
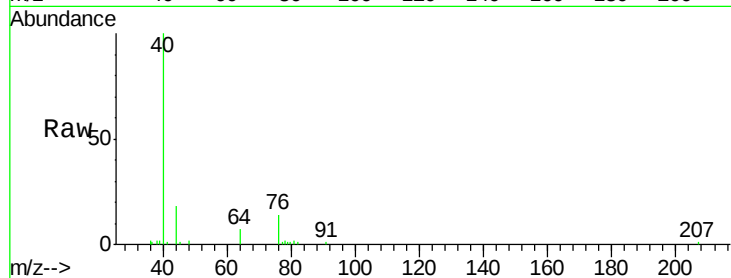




#17
Carbon Disulfide
Concen: 0.233 ug/l
RT: 2.57 min Scan# 233
Delta R.T. 0.00 min
Lab File: VX008118.D
Acq: 15 Mar 2019 20:50

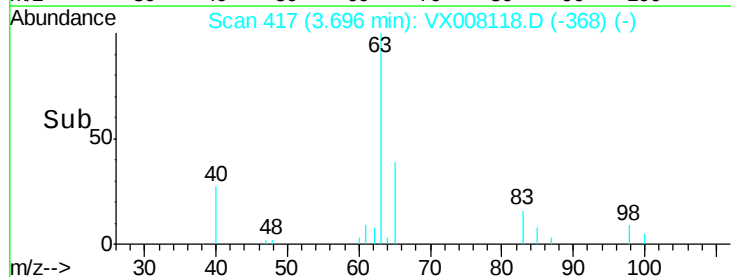
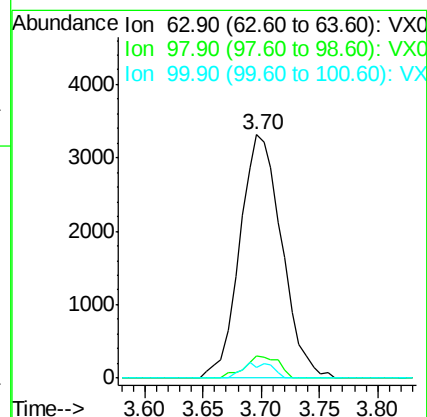
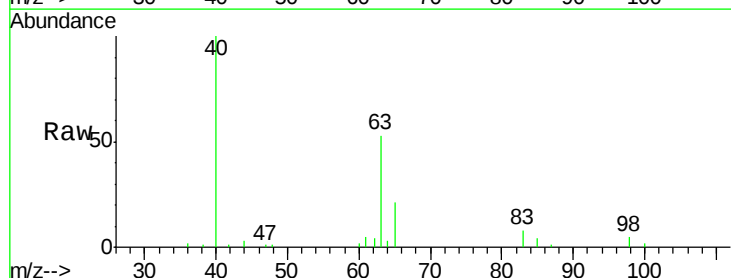
Instrument :
MSVOA_X
ClientSampleId :
BP-FW-MW02-20190310

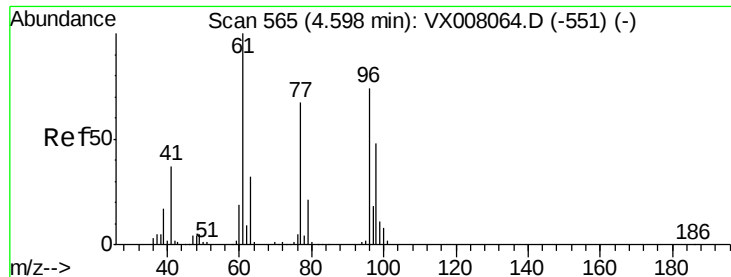
Tot Ion: 76 Resp: 1291
Ion Ratio Lower Upper
76 100
78 7.7 7.2 10.8



#24
1,1-Dichloroethane
Concen: 2.170 ug/l
RT: 3.70 min Scan# 417
Delta R.T. 0.00 min
Lab File: VX008118.D
Acq: 15 Mar 2019 20:50

Tgt Ion: 63 Resp: 8319
Ion Ratio Lower Upper
63 100
98 9.2 3.3 9.8
100 4.6 2.3 6.8





#27

cis-1,2-Dichloroethene

Concen: 0.478 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX008118.D

Acq: 15 Mar 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW02-20190310

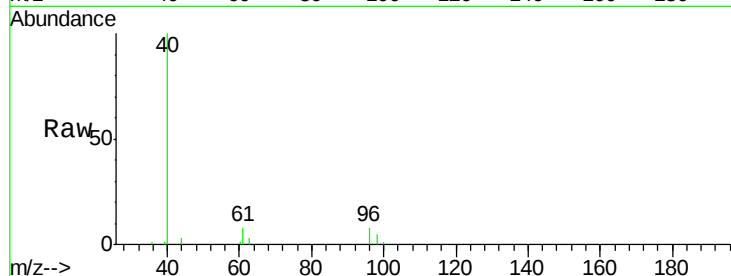
Tot Ion: 96 Resp: 1184

Ion Ratio Lower Upper

96 100

61 113.7 0.0 288.0

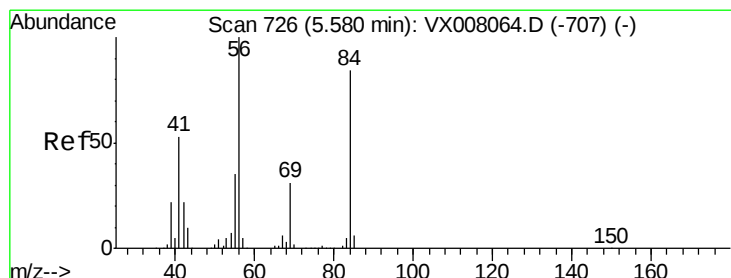
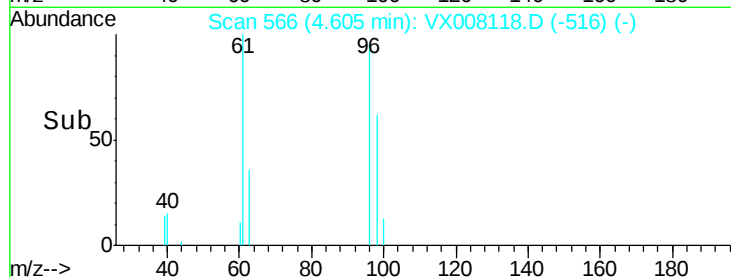
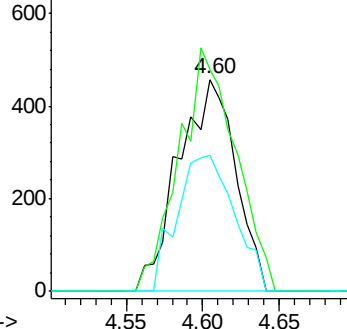
98 64.7 0.0 129.0



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



#31

Cyclohexane

Concen: 0.960 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008118.D

Acq: 15 Mar 2019 20:50

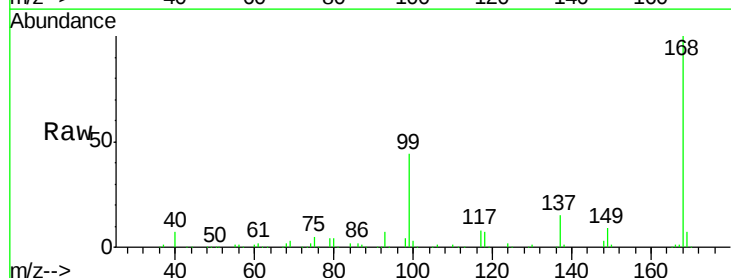
Tgt Ion: 56 Resp: 3509

Ion Ratio Lower Upper

56 100

69 184.0 24.0 36.0#

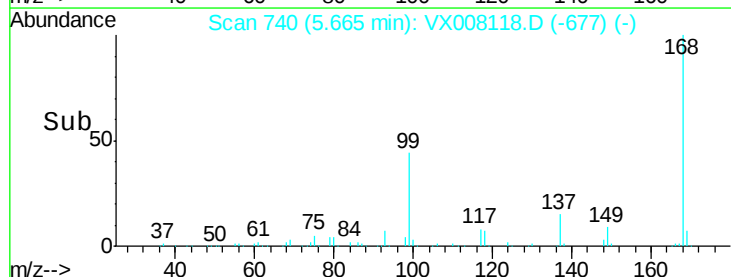
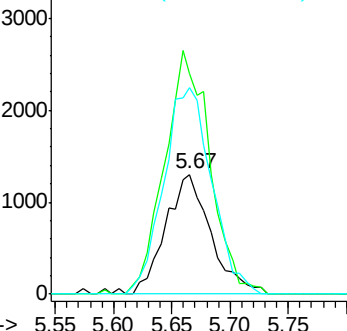
84 172.2 65.3 97.9#

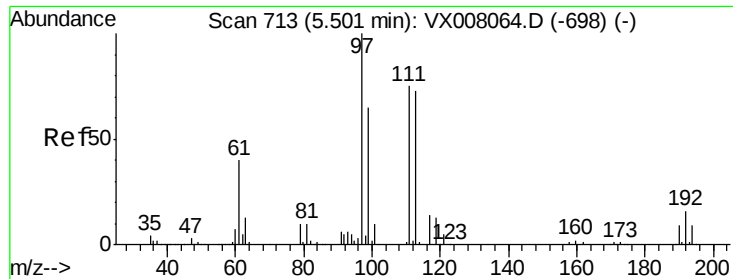


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#32

1,1,1-Trichloroethane

Concen: 1.755 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX008118.D

Acq: 15 Mar 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW02-20190310

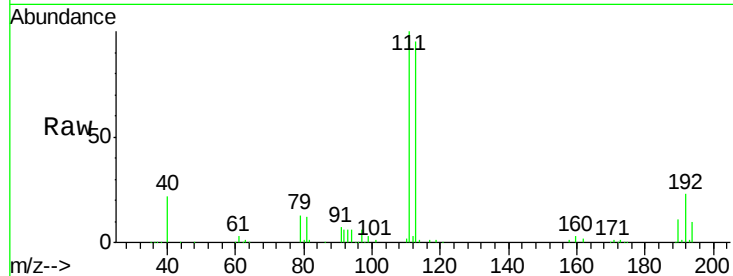
Tot Ion: 97 Resp: 5740

Ion Ratio Lower Upper

97 100

99 65.5 52.2 78.2

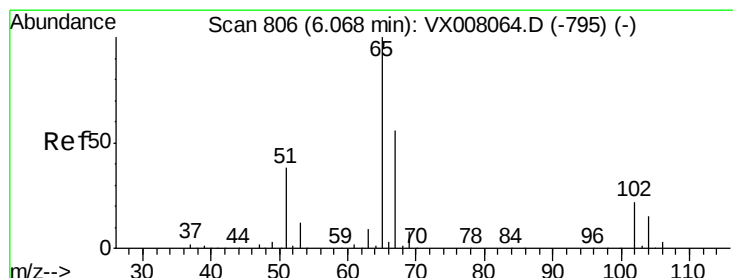
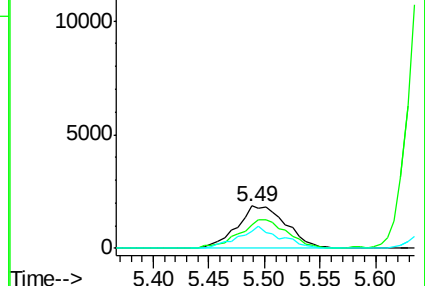
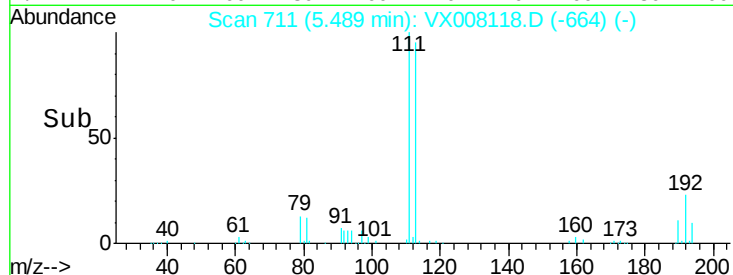
61 42.8 34.9 52.3



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: 49.313 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008118.D

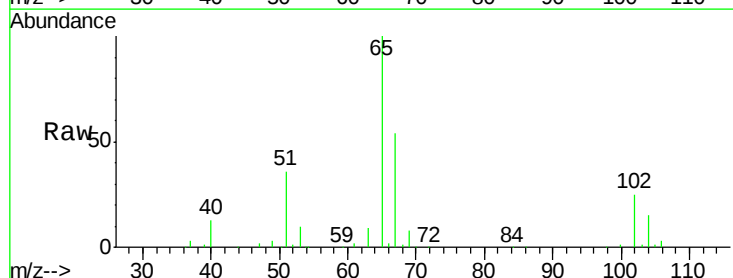
Acq: 15 Mar 2019 20:50

Tgt Ion: 65 Resp: 126076

Ion Ratio Lower Upper

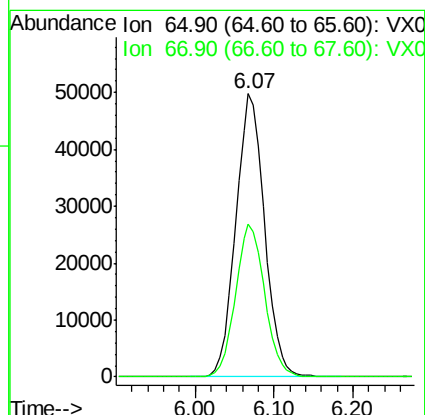
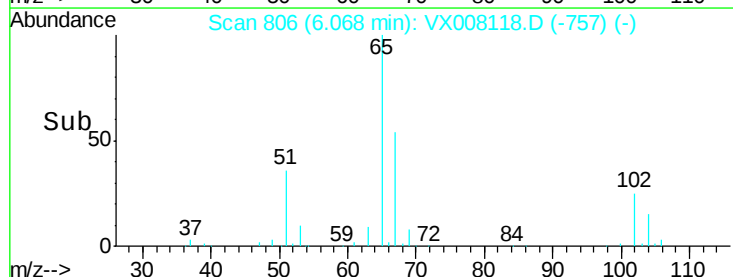
65 100

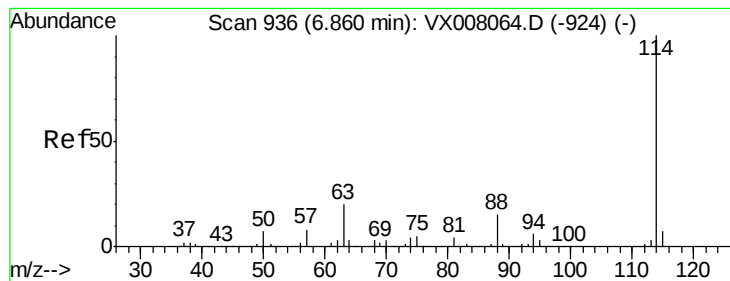
67 54.6 0.0 110.0



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: VX008118.D

Acq: 15 Mar 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW02-20190310

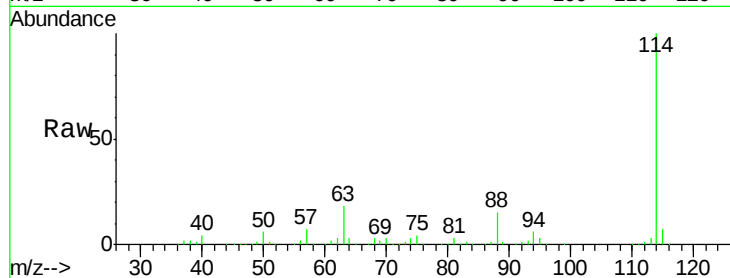
Tot Ion:114 Resp: 382688

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.8

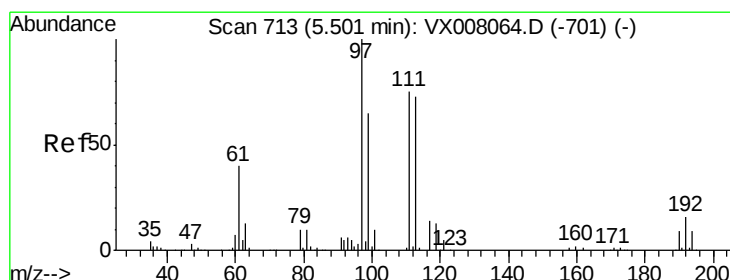
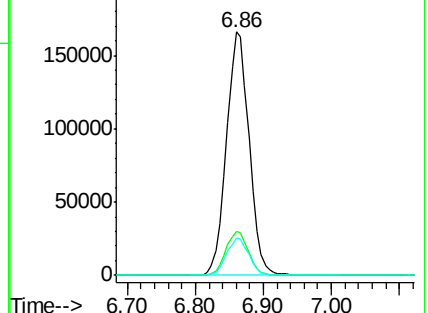
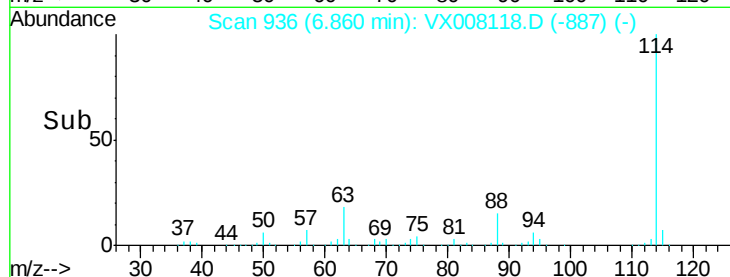
88 15.3 0.0 31.4



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: 51.006 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008118.D

Acq: 15 Mar 2019 20:50

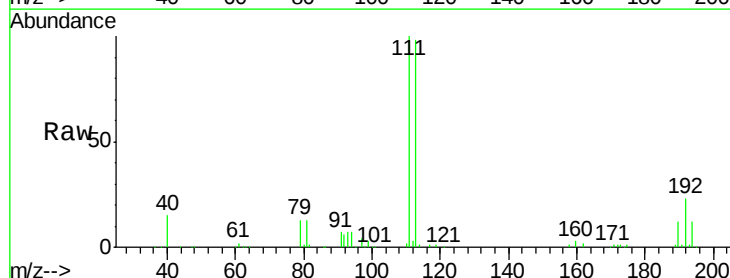
Tgt Ion:113 Resp: 123781

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

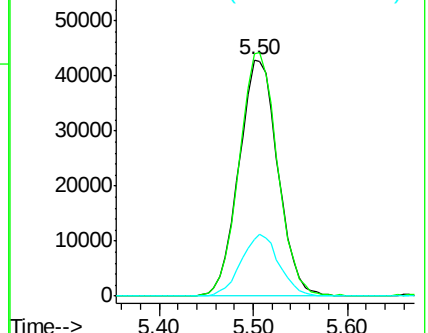
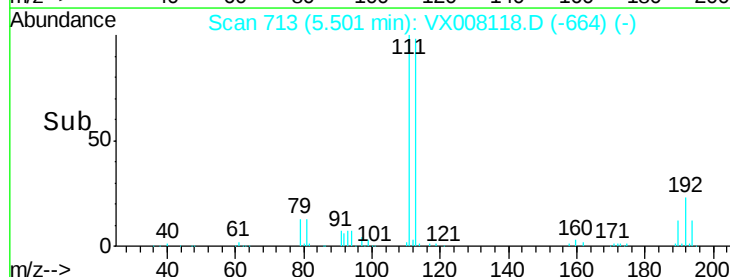
192 25.5 19.4 29.0

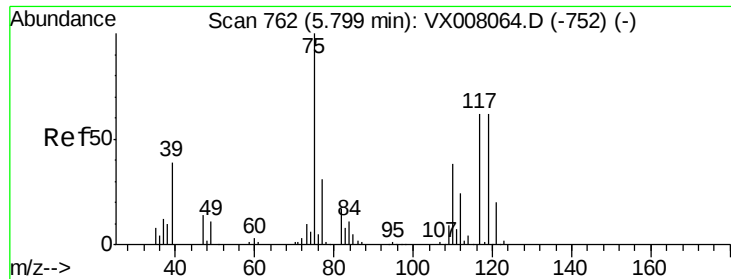


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

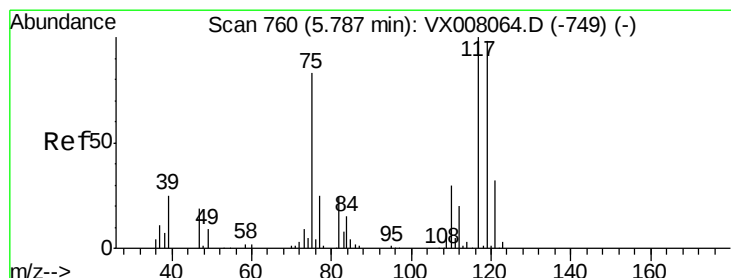
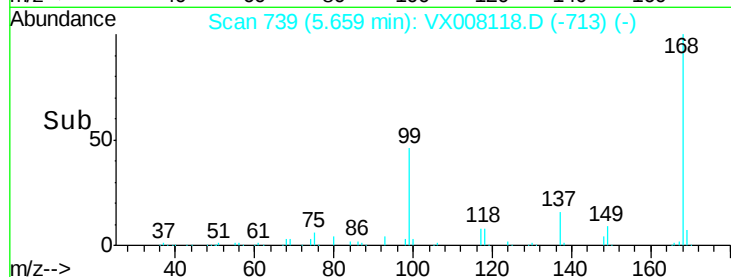
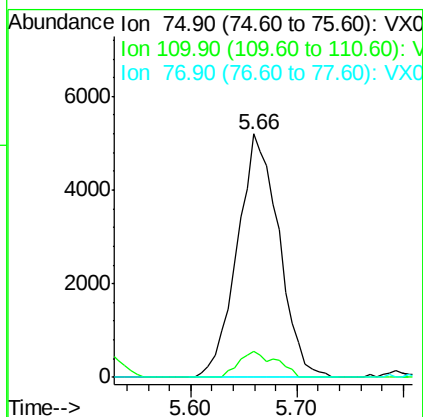
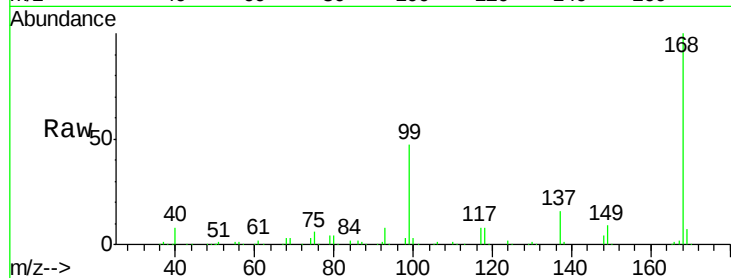




#36
 1,1-Dichloropropene
 Concen: 4.519 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008118.D
 Acq: 15 Mar 2019 20:50

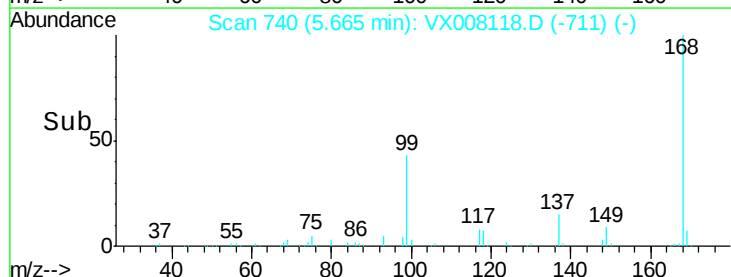
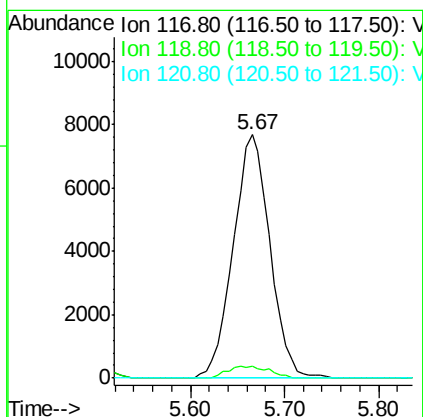
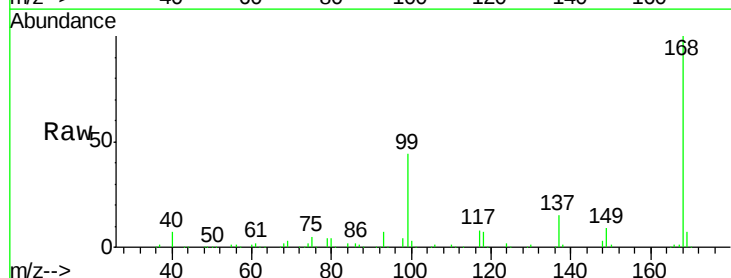
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-FW-MW02-20190310

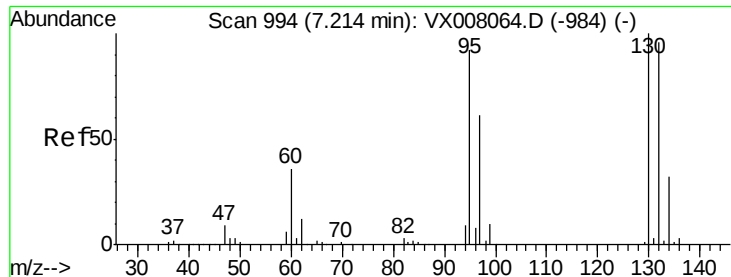
Tot Ion: 75 Resp: 14228
 Ion Ratio Lower Upper
 75 100
 110 9.7 18.4 55.0#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.885 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008118.D
 Acq: 15 Mar 2019 20:50

Tgt Ion:117 Resp: 20865
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.2 114.2#
 121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 4.606 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008118.D

Acq: 15 Mar 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

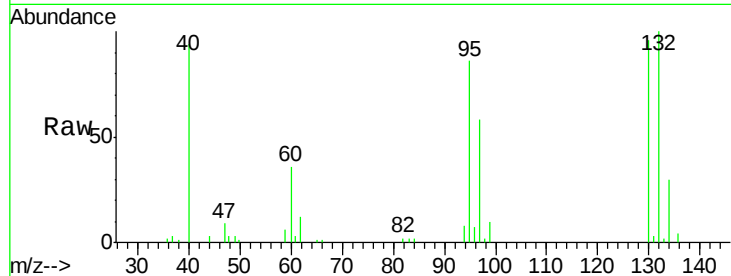
BP-FW-MW02-20190310

Tot Ion:130 Resp: 12821

Ion Ratio Lower Upper

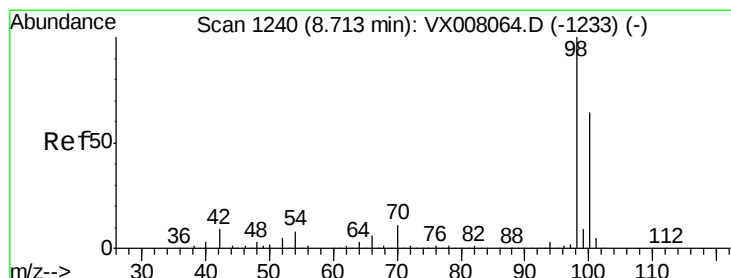
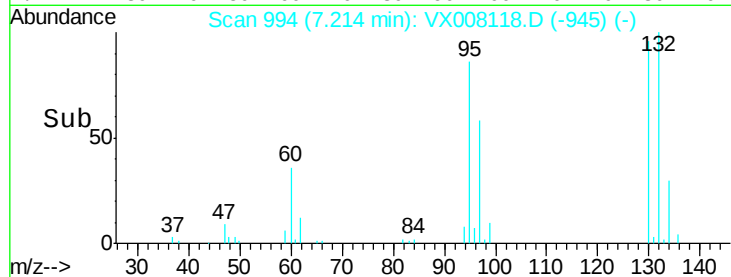
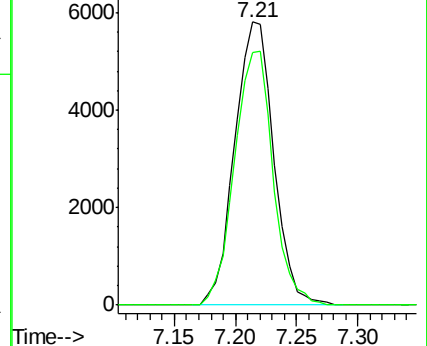
130 100

95 89.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 49.566 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008118.D

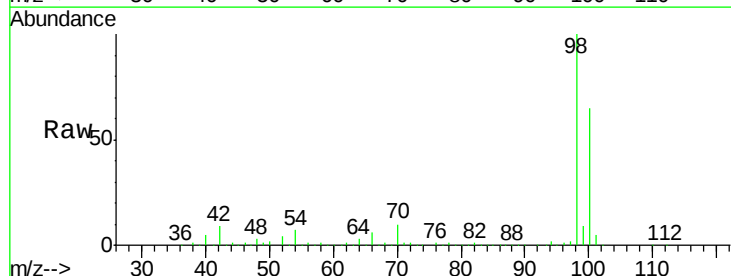
Acq: 15 Mar 2019 20:50

Tgt Ion: 98 Resp: 457486

Ion Ratio Lower Upper

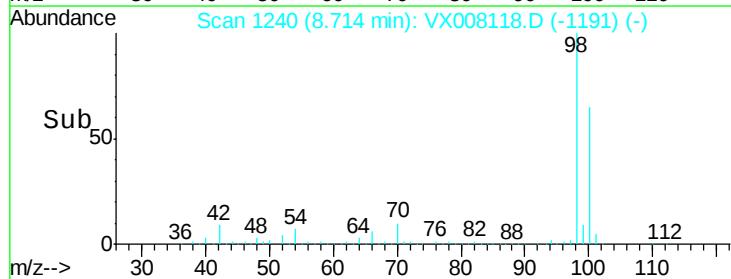
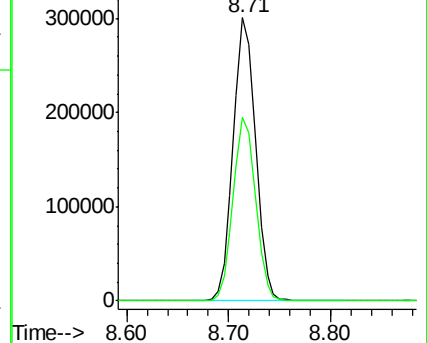
98 100

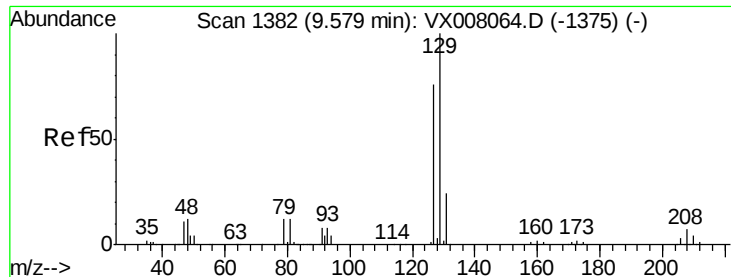
100 65.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 4.743 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008118.D

Acq: 15 Mar 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

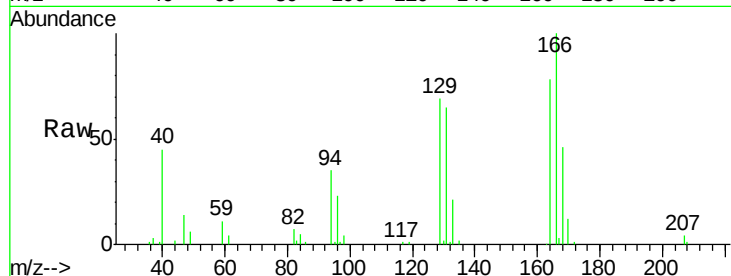
BP-FW-MW02-20190310

Tot Ion:129 Resp: 12204

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

8000

6000

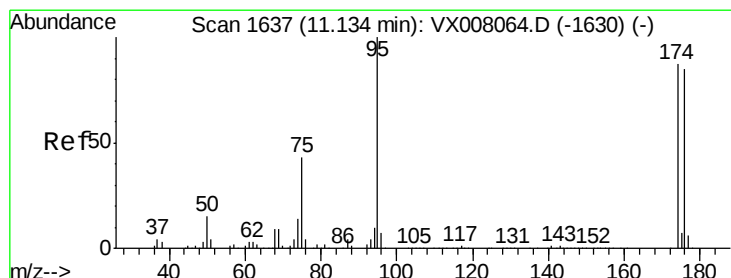
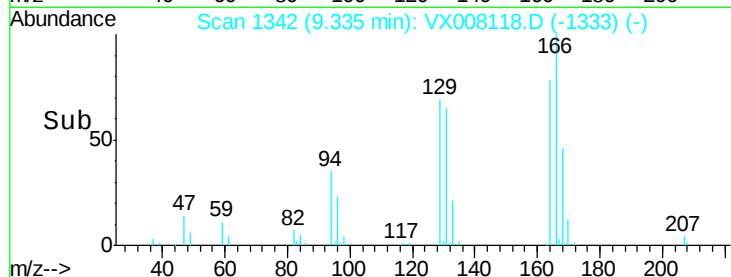
4000

2000

0

9.30 9.35 9.40

Time-->



#62

4-Bromofluorobenzene

Concen: 50.268 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008118.D

Acq: 15 Mar 2019 20:50

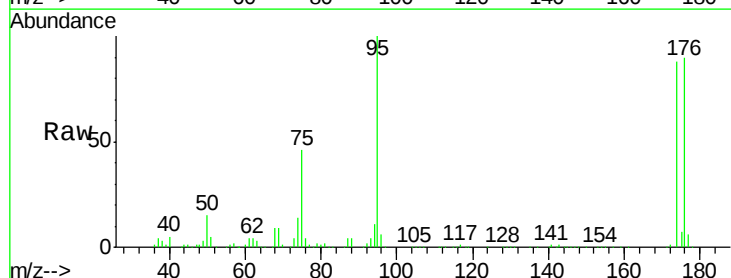
Tgt Ion: 95 Resp: 166209

Ion Ratio Lower Upper

95 100

174 98.6 0.0 182.8

176 96.7 0.0 178.0



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

11.13

150000

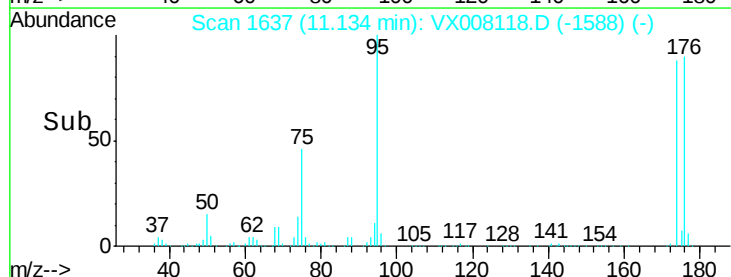
100000

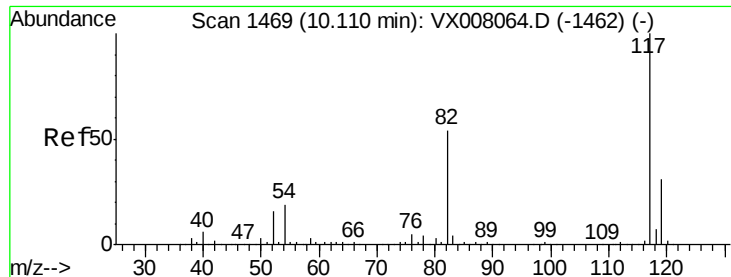
50000

0

11.10 11.20

Time-->

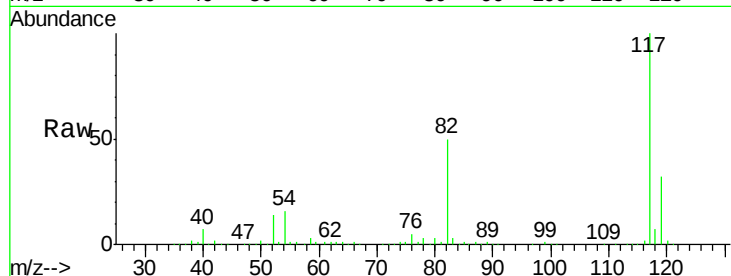




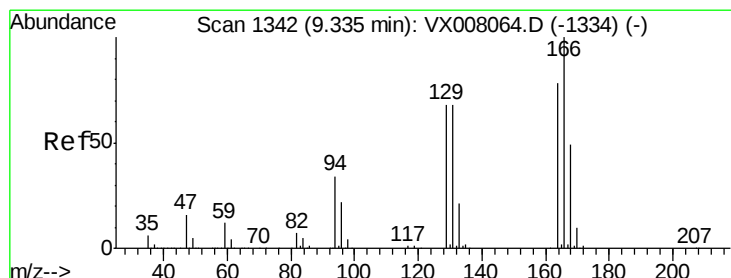
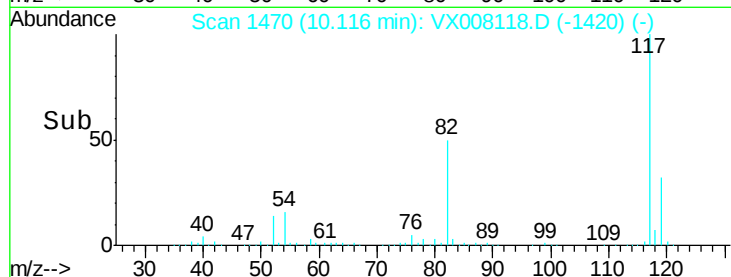
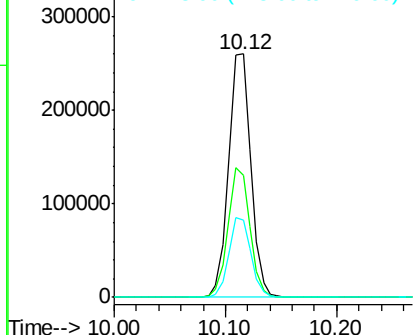
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008118.D
Acq: 15 Mar 2019 20:50

Instrument :
MSVOA_X
ClientSampleId :
BP-FW-MW02-20190310

Tot Ion:117 Resp: 362212
Ion Ratio Lower Upper
117 100
82 50.3 44.3 66.5
119 31.8 25.3 37.9



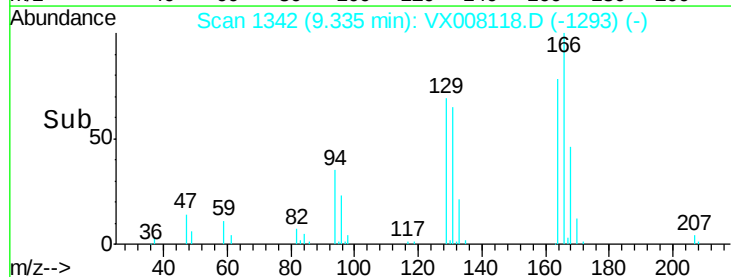
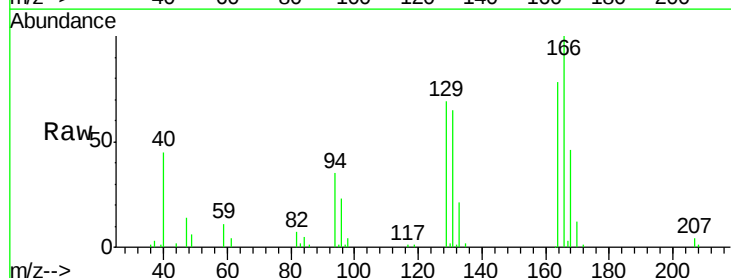
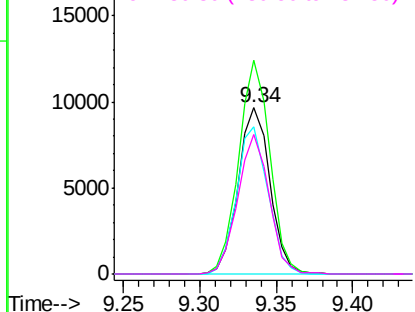
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

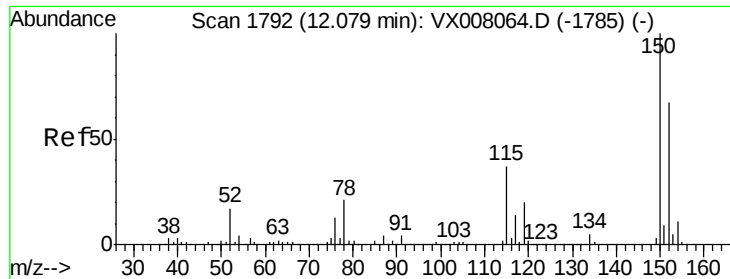


#64
Tetrachloroethene
Concen: 4.751 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX008118.D
Acq: 15 Mar 2019 20:50

Tgt Ion:164 Resp: 13942
Ion Ratio Lower Upper
164 100
166 128.5 103.4 155.0
129 88.6 72.2 108.4
131 84.0 69.4 104.2

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: VX008118.D

Acq: 15 Mar 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW02-20190310

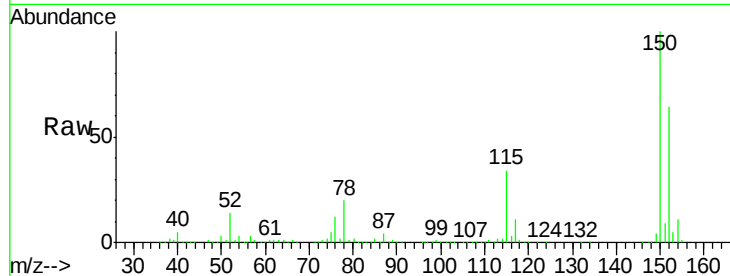
Tot Ion:152 Resp: 180523

Ion Ratio Lower Upper

152 100

115 54.0 38.6 115.7

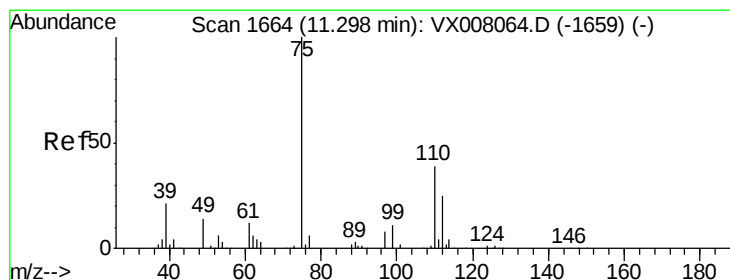
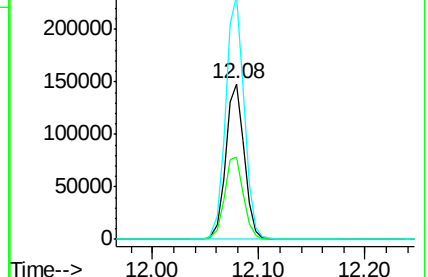
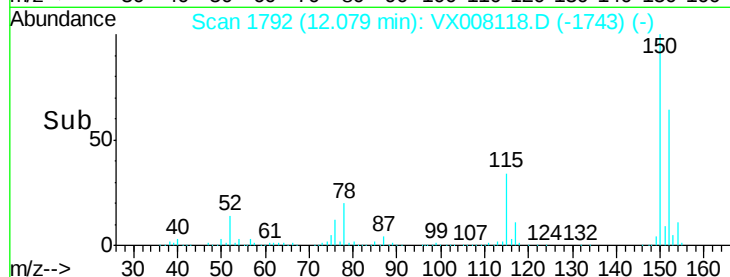
150 156.7 0.0 348.4



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: 24.212 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008118.D

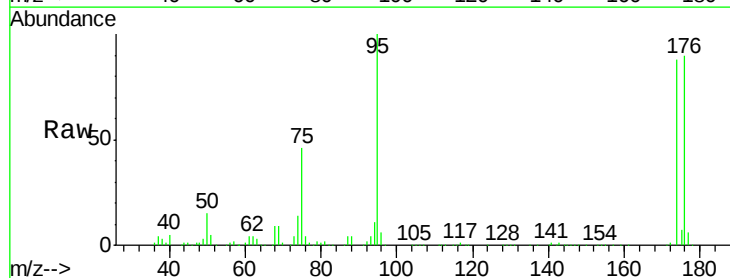
Acq: 15 Mar 2019 20:50

Tgt Ion: 75 Resp: 75909

Ion Ratio Lower Upper

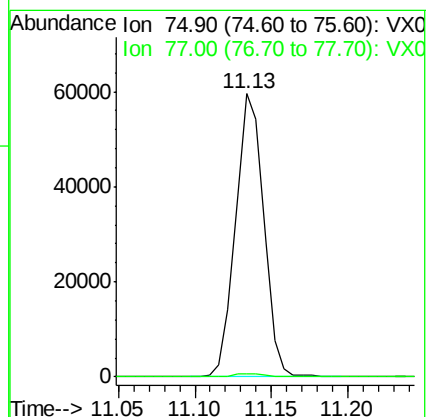
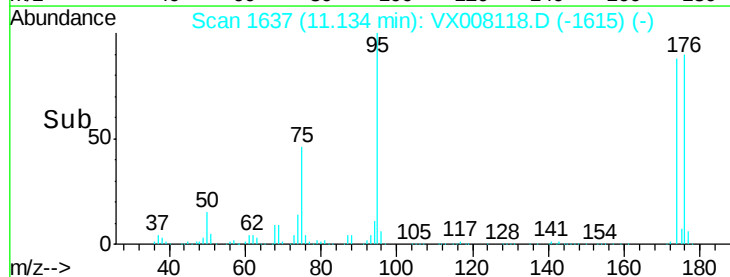
75 100

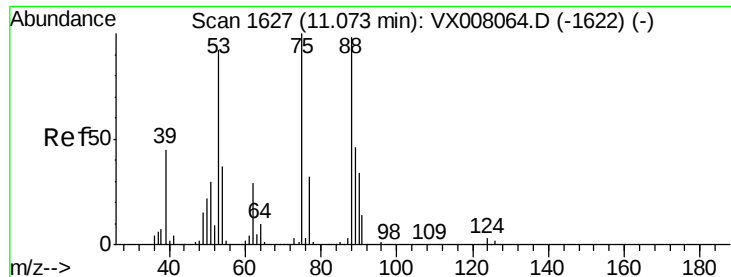
77 1.2 18.9 56.7#



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: 68.899 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008118.D

Acq: 15 Mar 2019 20:50

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW02-20190310

Tot Ion: 75 Resp: 75909

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#

