

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031519\
 Data File : VX008119.D
 Acq On : 15 Mar 2019 21:17
 Operator : JC/SP
 Sample : K1856-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-FW-MW03-20190310

Quant Time: Mar 16 01:10:14 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	262758	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	392673	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	375085	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	183470	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	130048	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
35) Dibromofluoromethane	5.51	113	126736	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
50) Toluene-d8	8.71	98	473054	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	
62) 4-Bromofluorobenzene	11.13	95	169297	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	

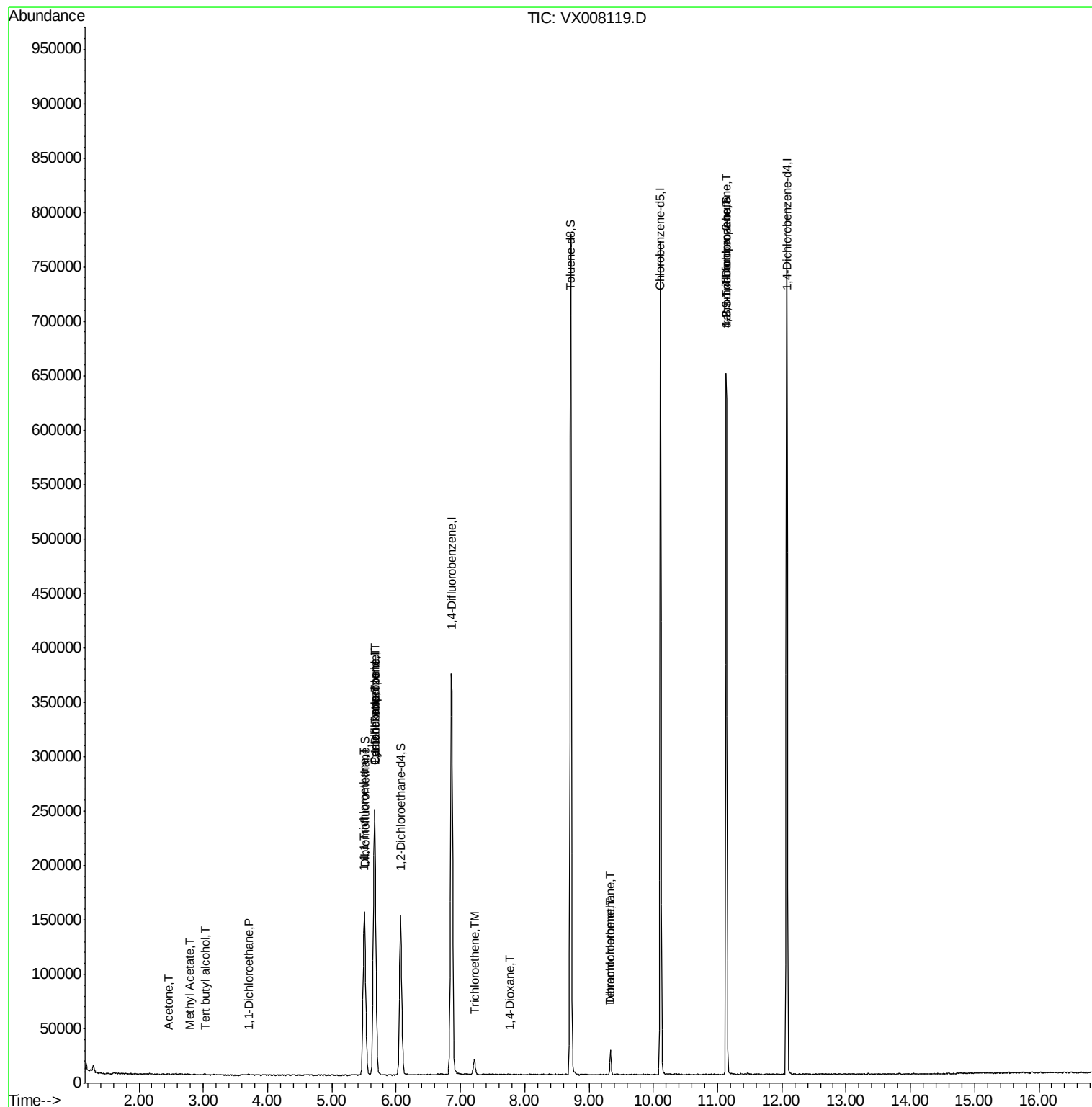
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	233	Below Cal	#	75
6) Chloroethane	1.74	64	120	Below Cal	#	43
11) Tert butyl alcohol	3.03	59	351	0.685	ug/l #	73
16) Acetone	2.45	43	691	0.552	ug/l	98
18) Methyl Acetate	2.79	43	724	0.268	ug/l	93
24) 1,1-Dichloroethane	3.70	63	1154	0.290	ug/l #	89
31) Cyclohexane	5.67	56	3518	0.928	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	2475	0.730	ug/l #	48
36) 1,1-Dichloropropene	5.67	75	14999	4.643	ug/l #	50
38) Carbon Tetrachloride	5.67	117	21111	6.789	ug/l #	17
44) Trichloroethene	7.21	130	5975	2.092	ug/l	92
49) 1,4-Dioxane	7.76	88	165	2.620	ug/l #	80
60) Dibromochloromethane	9.34	129	4109	1.556	ug/l #	11
64) Tetrachloroethene	9.34	164	5081	1.672	ug/l	89
76) 1,2,3-Trichloropropane	11.13	75	76166	23.904	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	76166	68.022	ug/l #	11

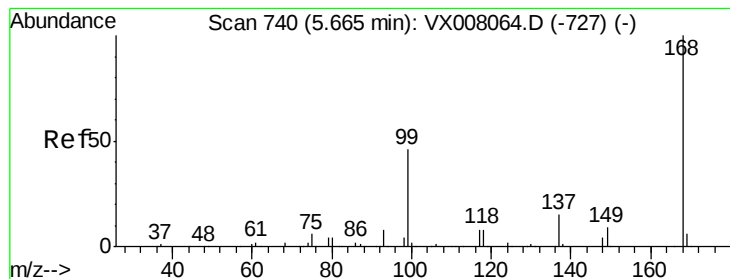
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008119.D

Acq: 15 Mar 2019 21:17

Instrument :

MSVOA_X

ClientSampleId :

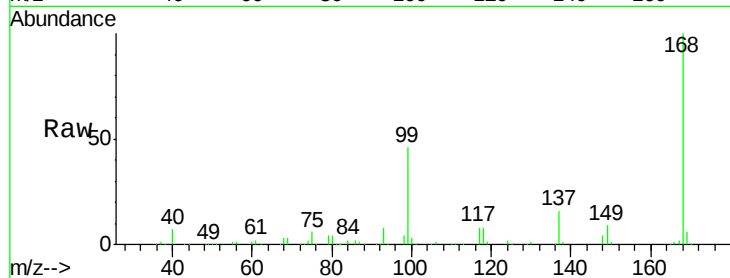
BP-FW-MW03-20190310

Tot Ion:168 Resp: 262758

Ion Ratio Lower Upper

168 100

99 45.6 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

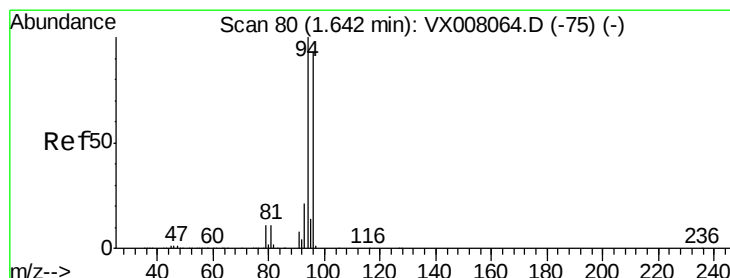
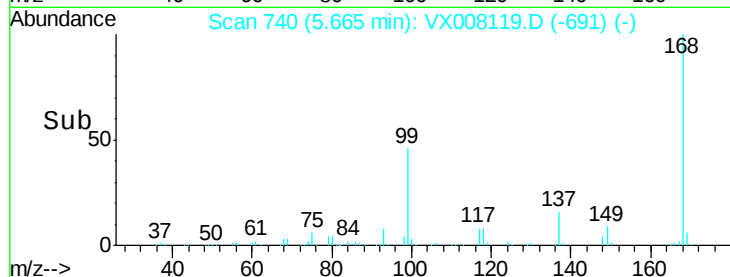
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX008119.D

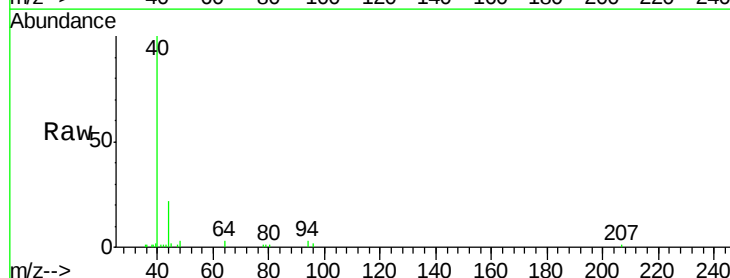
Acq: 15 Mar 2019 21:17

Tgt Ion: 94 Resp: 233

Ion Ratio Lower Upper

94 100

96 70.0 75.5 113.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

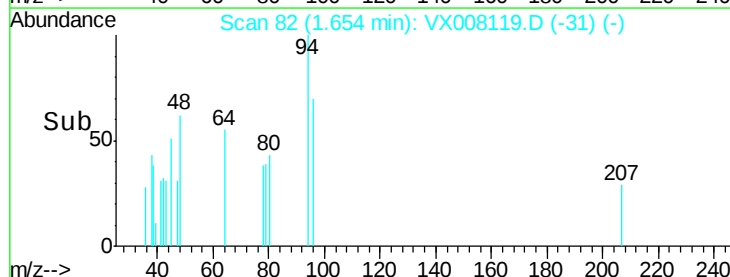
150

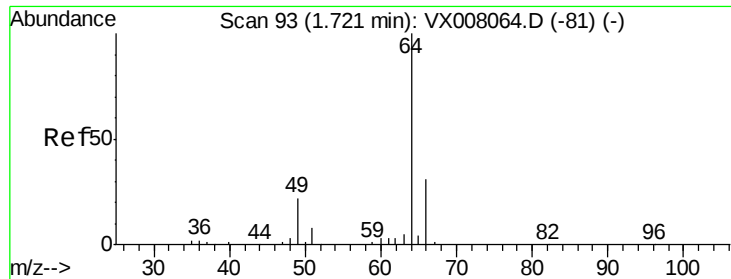
100

50

0

Time-->





#6

Chloroethane

Concen: Below Cal

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX008119.D

Acq: 15 Mar 2019 21:17

Instrument :

MSVOA_X

ClientSampleId :

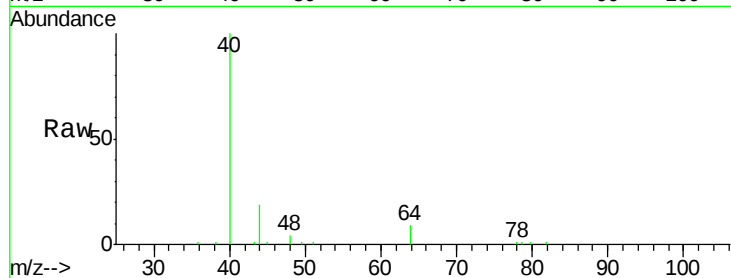
BP-FW-MW03-20190310

Tot Ion: 64 Resp: 120

Ion Ratio Lower Upper

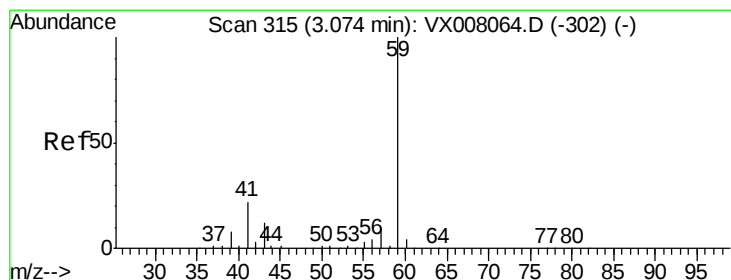
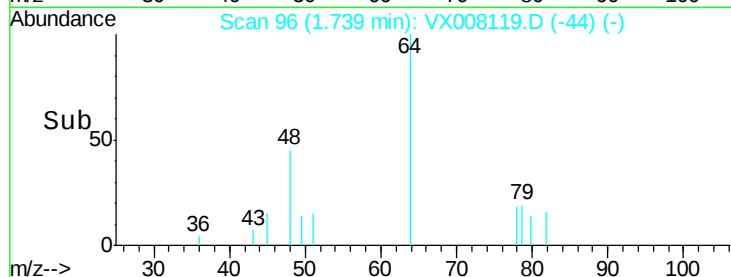
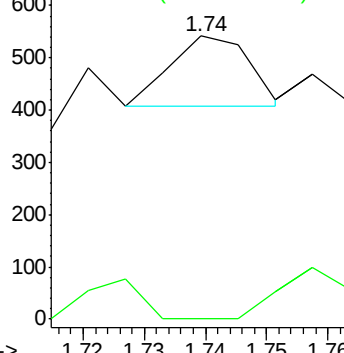
64 100

66 0.0 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#11

Tert butyl alcohol

Concen: 0.685 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX008119.D

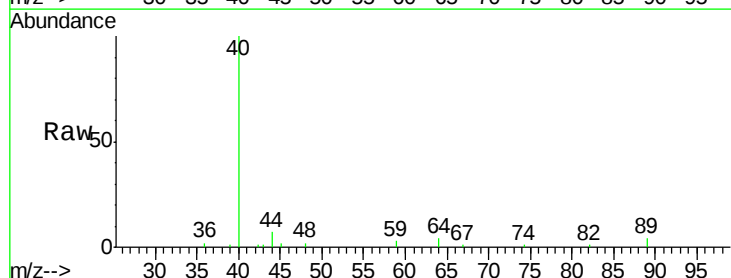
Acq: 15 Mar 2019 21:17

Tgt Ion: 59 Resp: 351

Ion Ratio Lower Upper

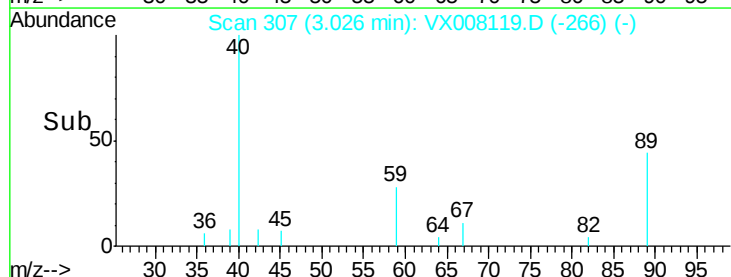
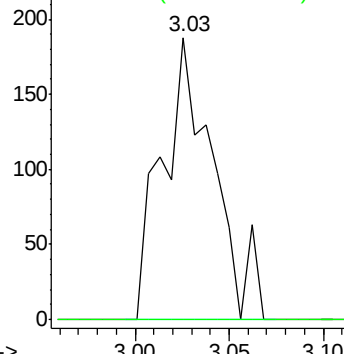
59 100

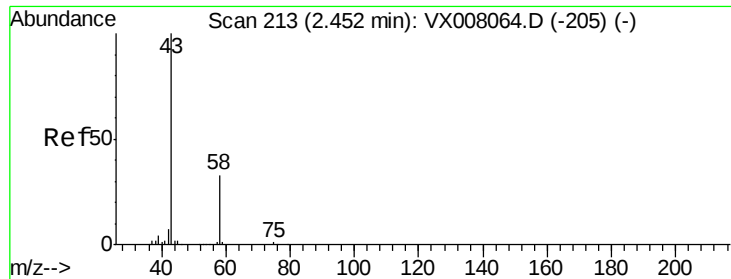
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 0.552 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.00 min

Lab File: VX008119.D

Acq: 15 Mar 2019 21:17

Instrument :

MSVOA_X

ClientSampleId :

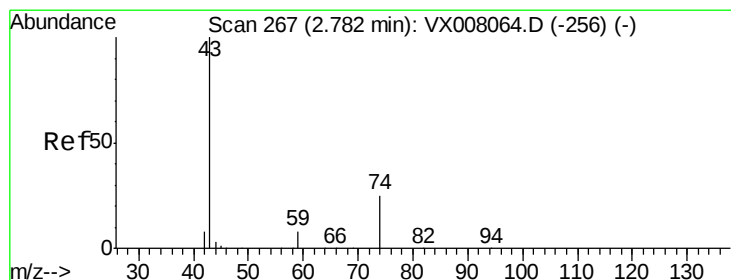
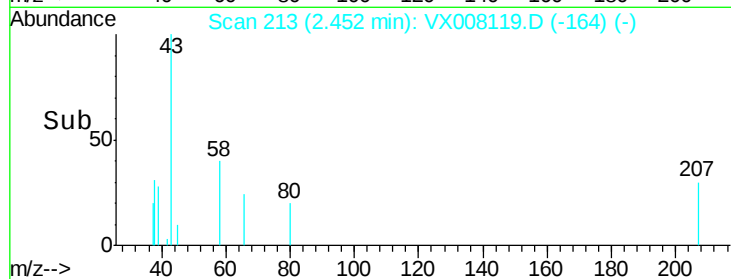
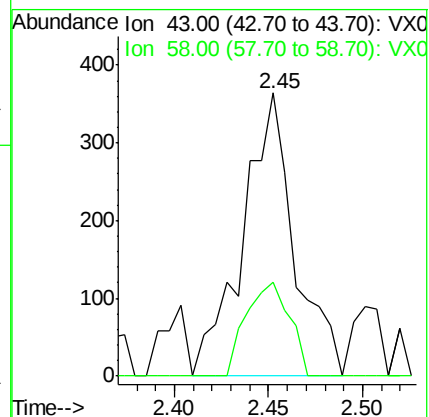
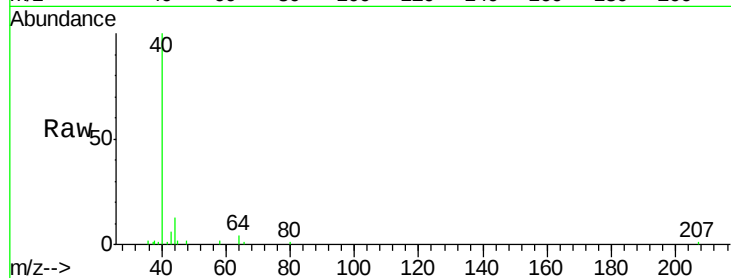
BP-FW-MW03-20190310

Tot Ion: 43 Resp: 691

Ion Ratio Lower Upper

43 100

58 33.0 25.5 38.3



#18

Methyl Acetate

Concen: 0.268 ug/l

RT: 2.79 min Scan# 268

Delta R.T. 0.01 min

Lab File: VX008119.D

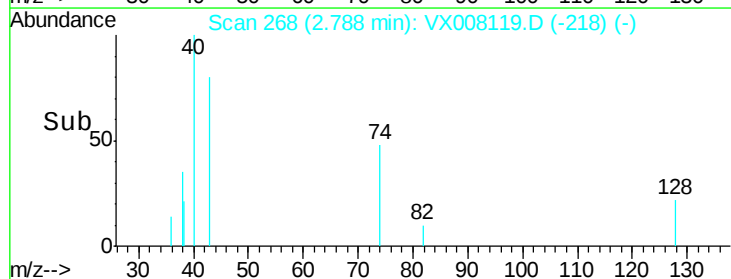
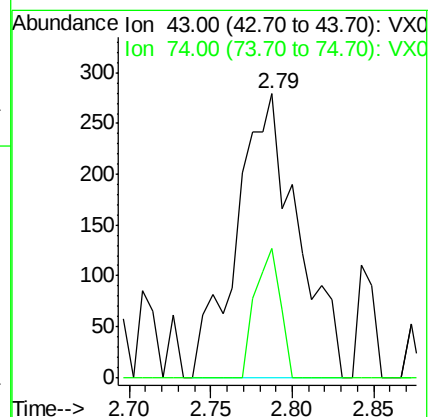
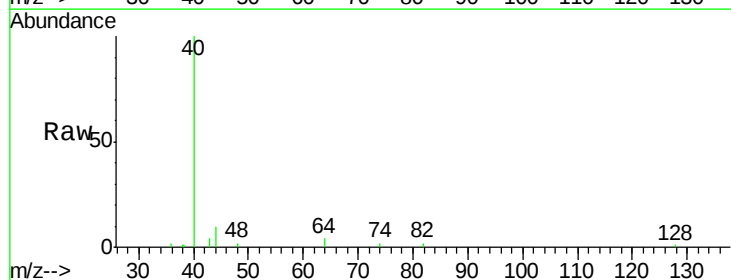
Acq: 15 Mar 2019 21:17

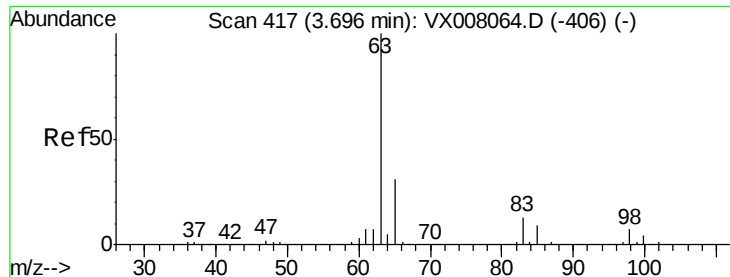
Tgt Ion: 43 Resp: 724

Ion Ratio Lower Upper

43 100

74 19.1 17.8 26.6

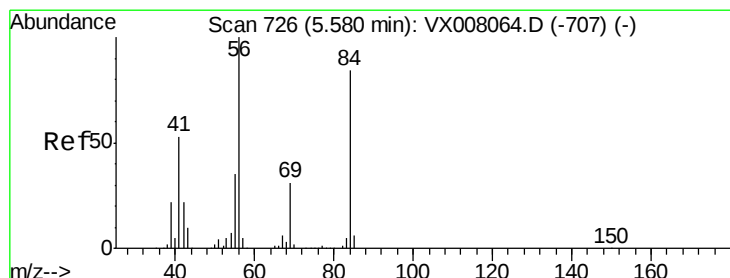
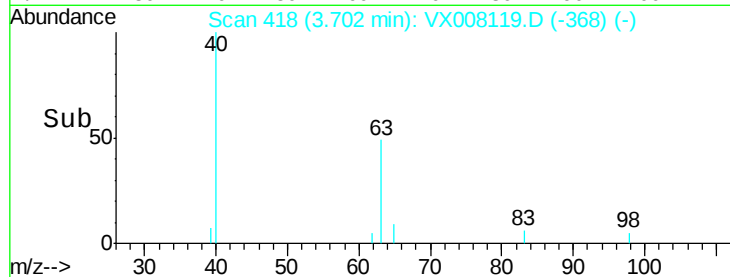
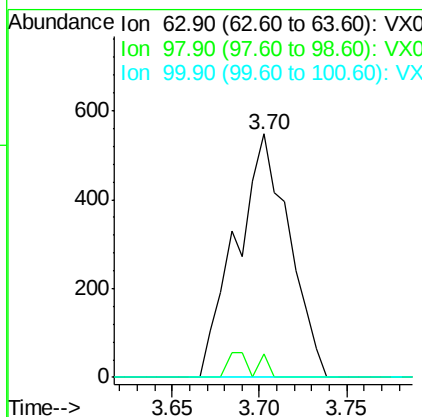
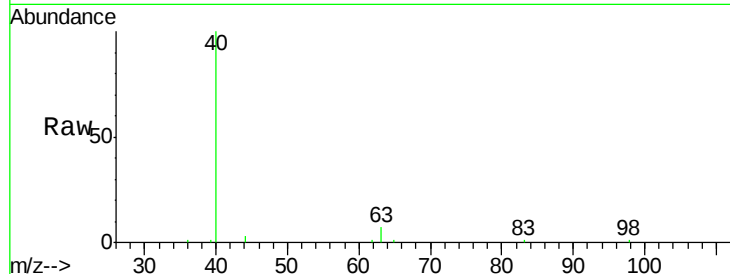




#24
 1,1-Dichloroethane
 Concen: 0.290 ug/l
 RT: 3.70 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VX008119.D
 Acq: 15 Mar 2019 21:17

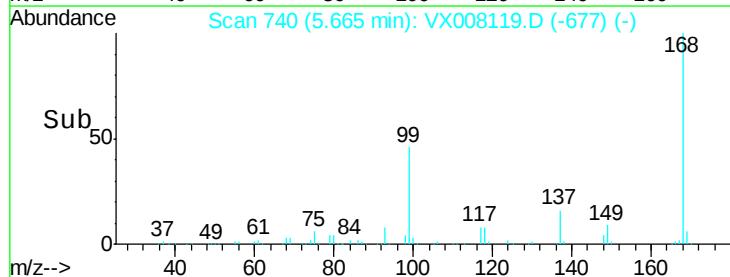
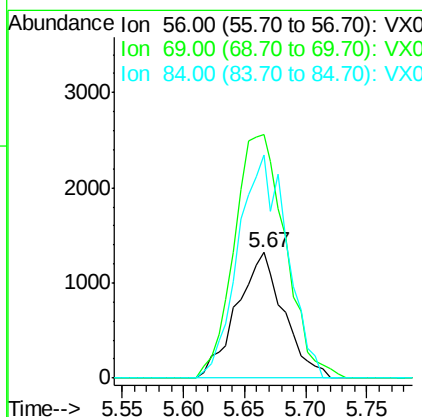
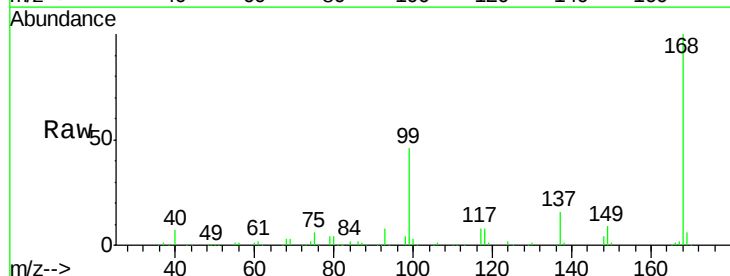
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-FW-MW03-20190310

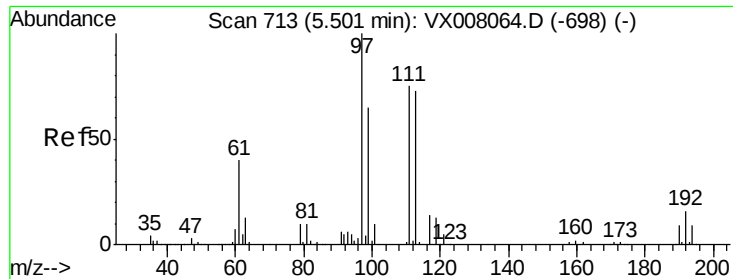
Tot Ion: 63 Resp: 1154
 Ion Ratio Lower Upper
 63 100
 98 9.5 3.3 9.8
 100 0.0 2.3 6.8#



#31
 Cyclohexane
 Concen: 0.928 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.09 min
 Lab File: VX008119.D
 Acq: 15 Mar 2019 21:17

Tgt Ion: 56 Resp: 3518
 Ion Ratio Lower Upper
 56 100
 69 193.7 24.0 36.0#
 84 178.0 65.3 97.9#





#32

1,1,1-Trichloroethane

Concen: 0.730 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX008119.D

Acq: 15 Mar 2019 21:17

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW03-20190310

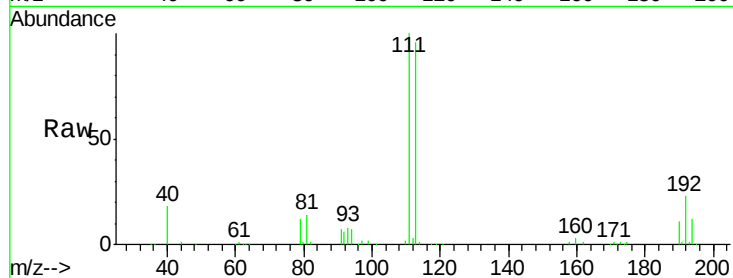
Tot Ion: 97 Resp: 2475

Ion Ratio Lower Upper

97 100

99 0.0 52.2 78.2#

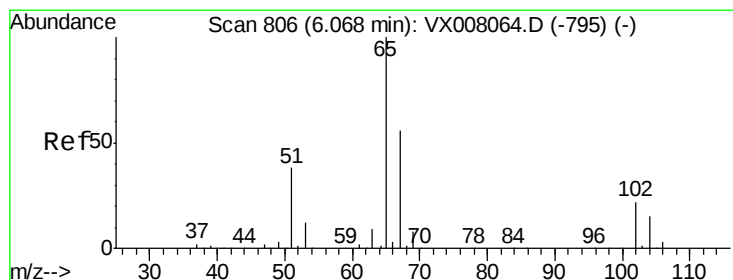
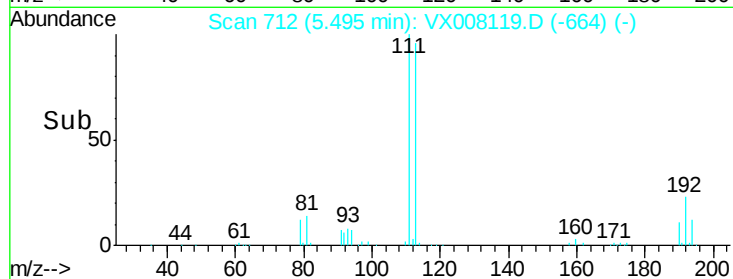
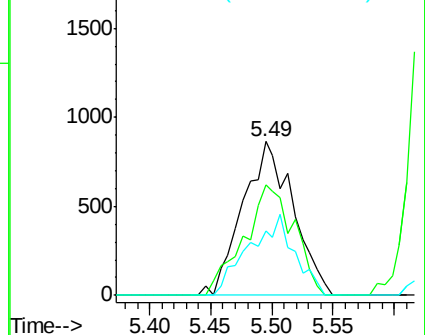
61 47.4 34.9 52.3



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: 49.065 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008119.D

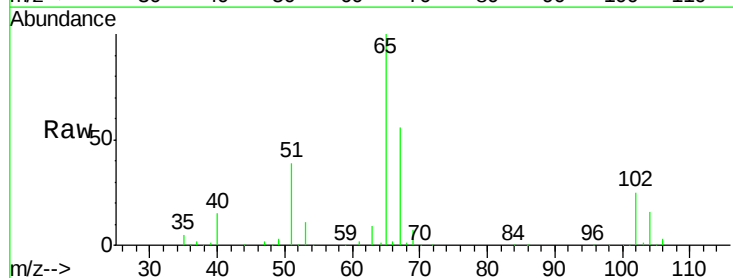
Acq: 15 Mar 2019 21:17

Tgt Ion: 65 Resp: 130048

Ion Ratio Lower Upper

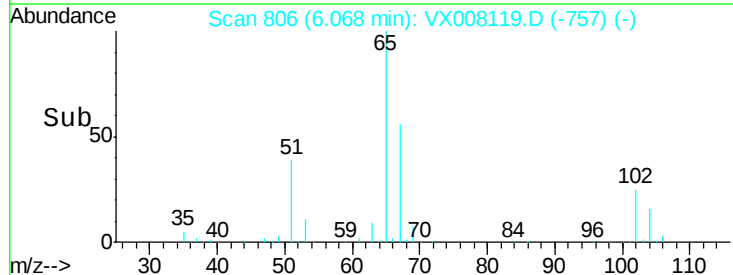
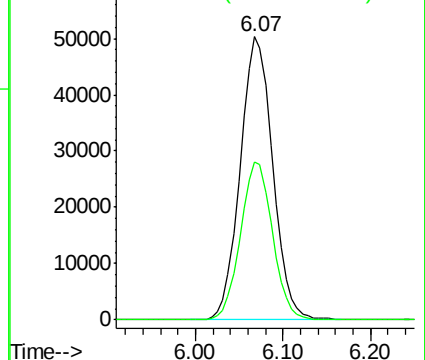
65 100

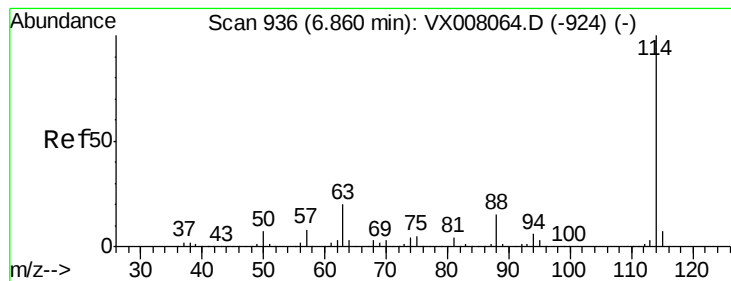
67 54.7 0.0 110.0



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: VX008119.D

Acq: 15 Mar 2019 21:17

Instrument :

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BP-FW-MW03-20190310

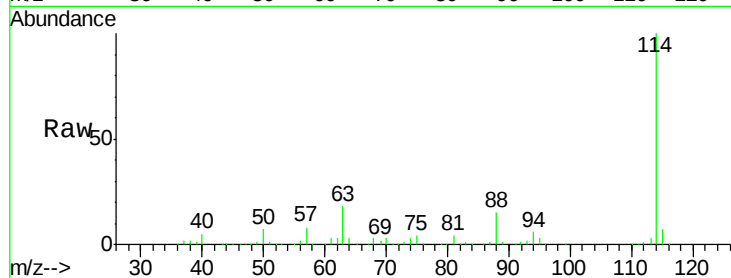
Tot Ion:114 Resp: 392673

Ion Ratio Lower Upper

114 100

63 18.3 0.0 39.8

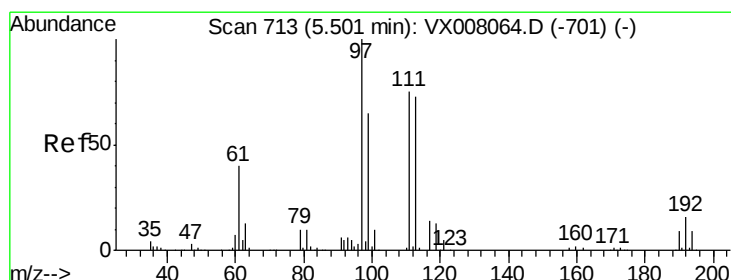
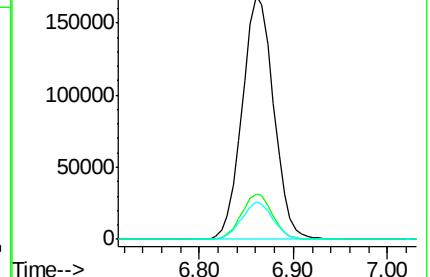
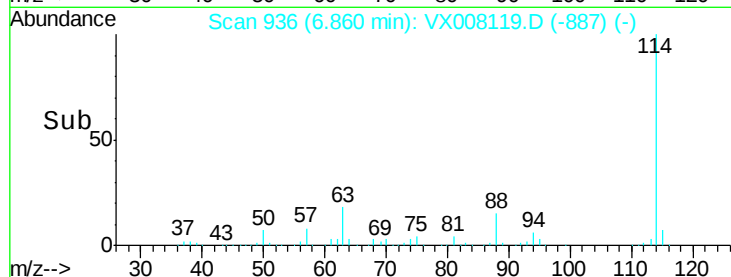
88 15.3 0.0 31.4



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: 50.896 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008119.D

Acq: 15 Mar 2019 21:17

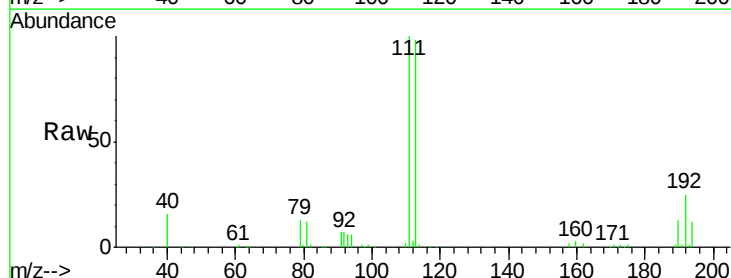
Tgt Ion:113 Resp: 126736

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

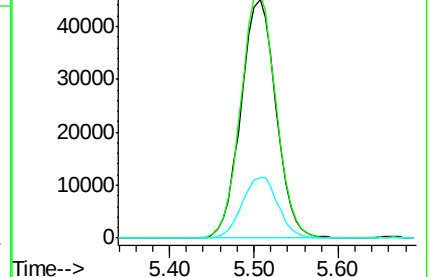
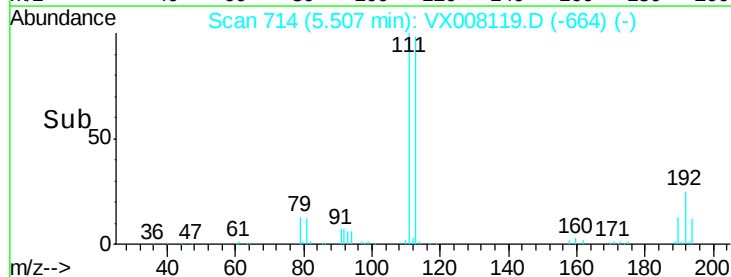
192 26.2 19.4 29.0

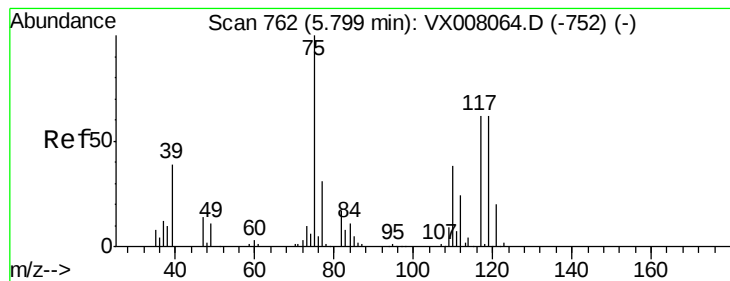


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.643 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX008119.D

Acq: 15 Mar 2019 21:17

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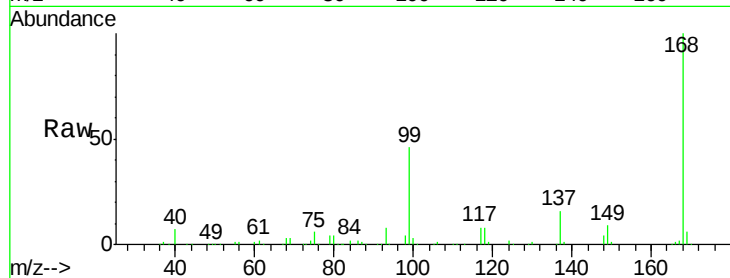
Tot Ion: 75 Resp: 14999

Ion Ratio Lower Upper

75 100

110 10.2 18.4 55.0#

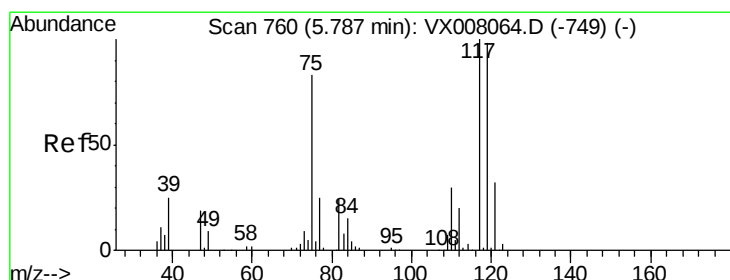
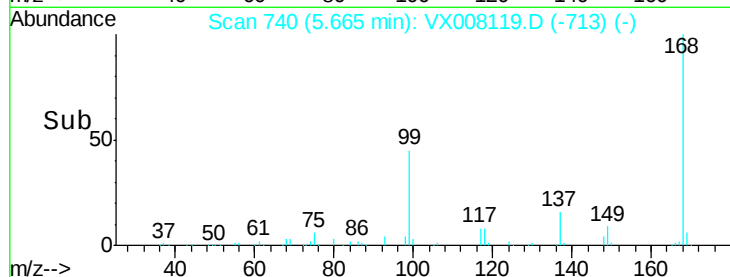
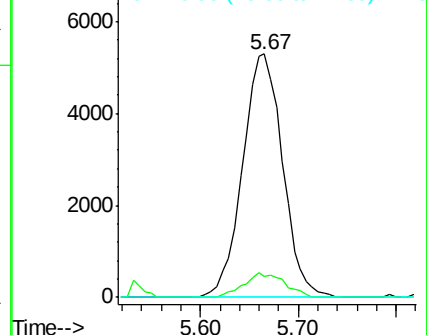
77 0.0 25.0 37.4#



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: 6.789 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008119.D

Acq: 15 Mar 2019 21:17

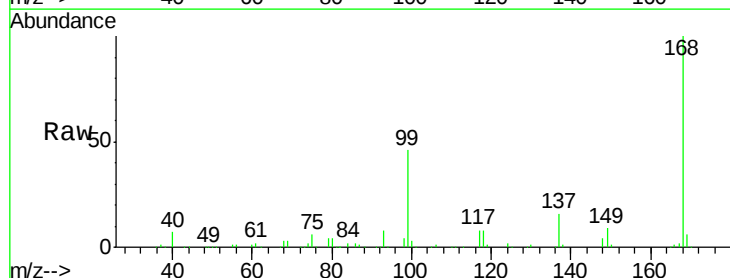
Tgt Ion: 117 Resp: 21111

Ion Ratio Lower Upper

117 100

119 6.4 76.2 114.2#

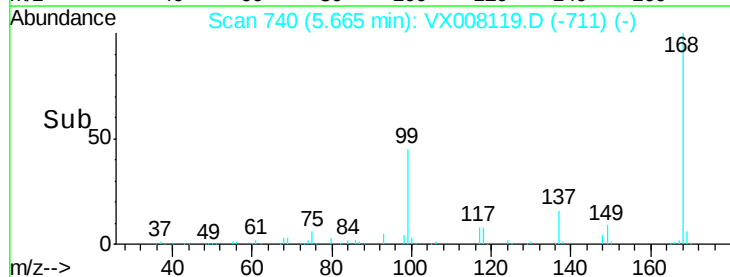
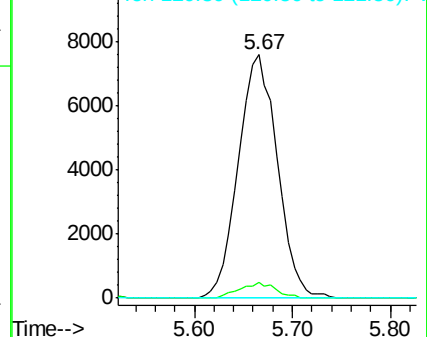
121 0.0 24.6 36.8#

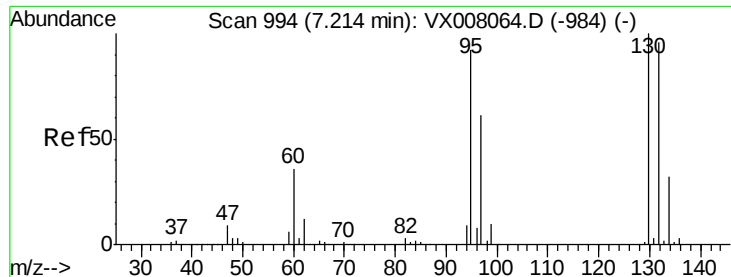


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 2.092 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008119.D

Acq: 15 Mar 2019 21:17

Instrument :

MSVOA_X

ClientSampleId :

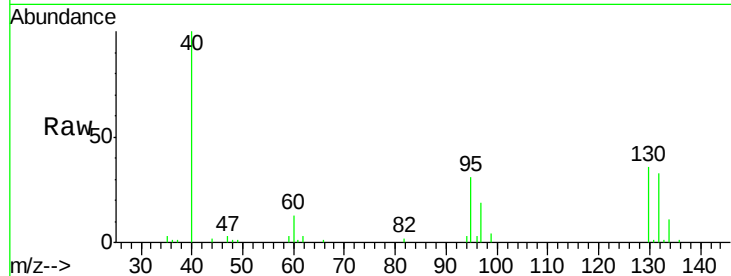
BP-FW-MW03-20190310

Tot Ion:130 Resp: 5975

Ion Ratio Lower Upper

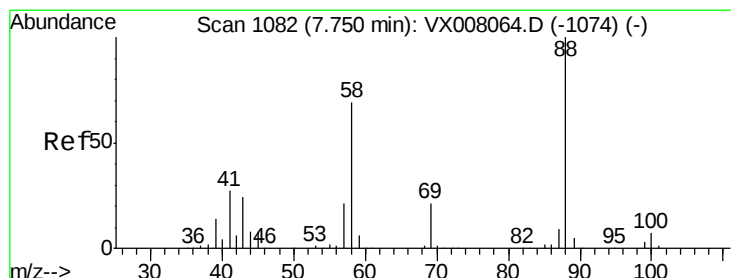
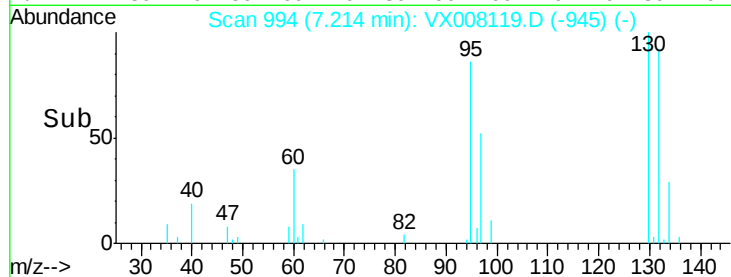
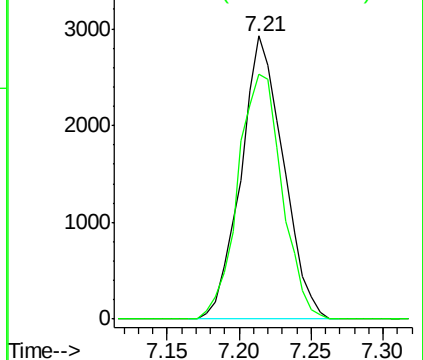
130 100

95 86.5 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 2.620 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VX008119.D

Acq: 15 Mar 2019 21:17

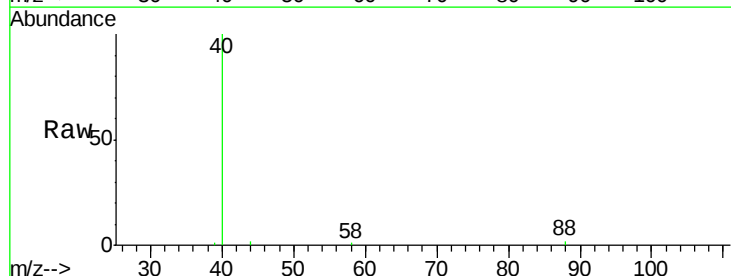
Tgt Ion: 88 Resp: 165

Ion Ratio Lower Upper

88 100

43 27.9 25.1 37.7

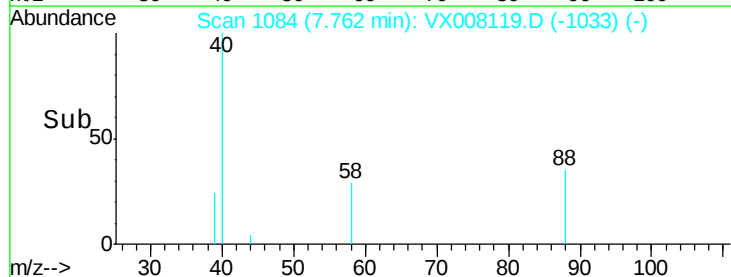
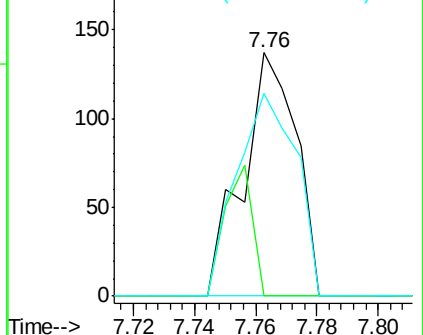
58 93.3 57.8 86.6#

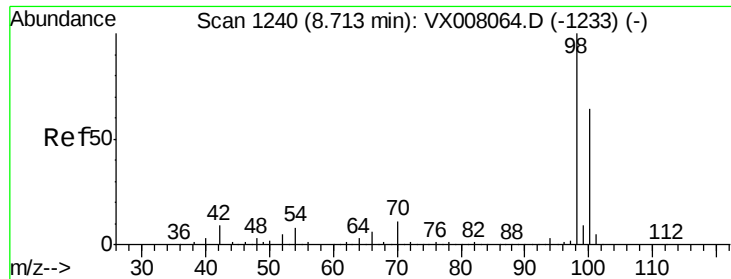


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.949 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008119.D

Acq: 15 Mar 2019 21:17

Instrument :

MSVOA_X

ClientSampleId :

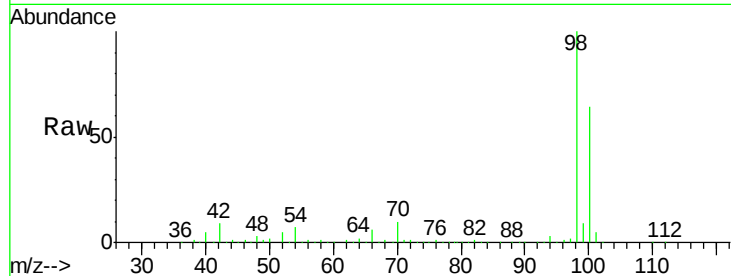
BP-FW-MW03-20190310

Tot Ion: 98 Resp: 473054

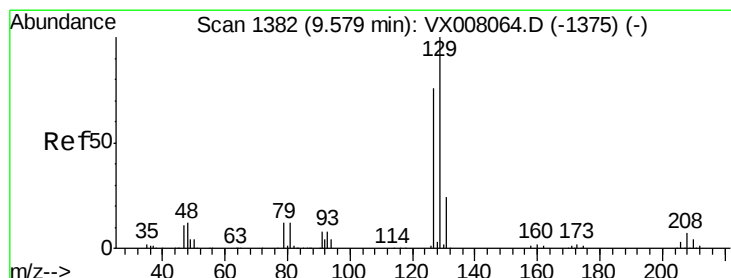
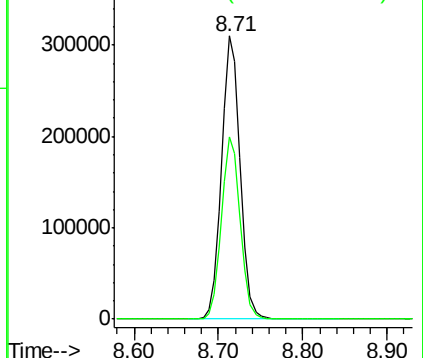
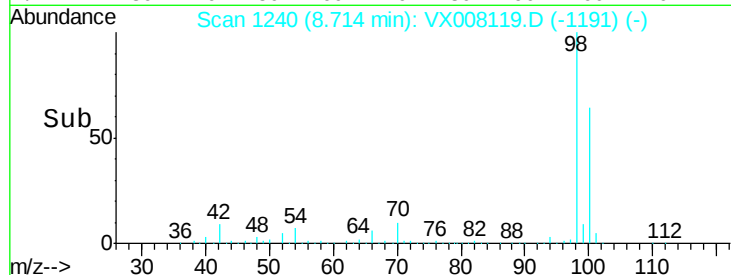
Ion Ratio Lower Upper

98 100

100 64.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX008119.D (-1191) (-)



#60

Dibromochloromethane

Concen: 1.556 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008119.D

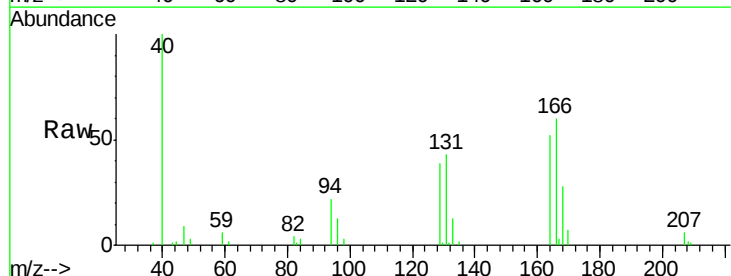
Acq: 15 Mar 2019 21:17

Tgt Ion: 129 Resp: 4109

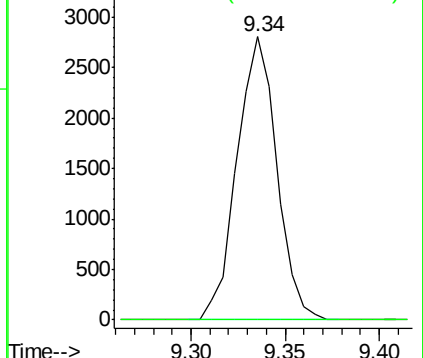
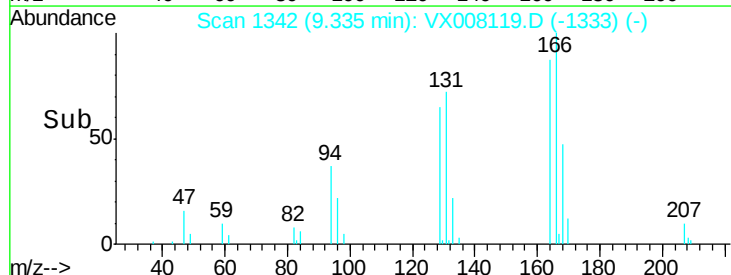
Ion Ratio Lower Upper

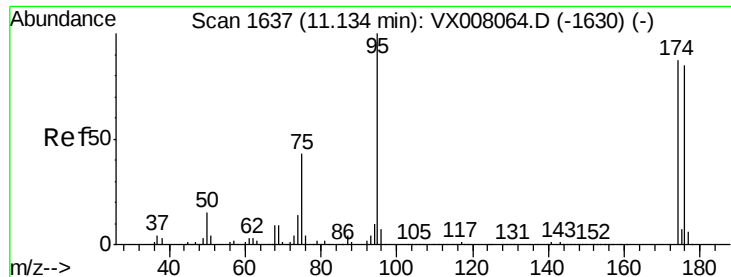
129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): VX008119.D (-1333) (-)





#62

4-Bromofluorobenzene

Concen: 49.900 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008119.D

Acq: 15 Mar 2019 21:17

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW03-20190310

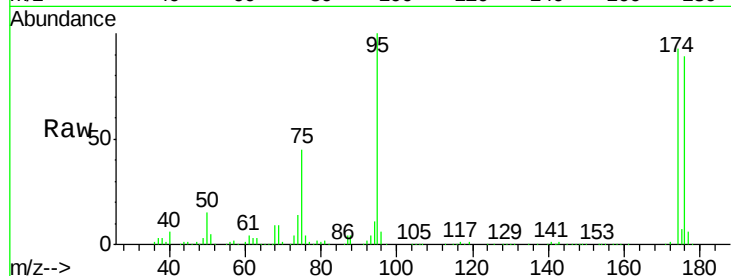
Tot Ion: 95 Resp: 169297

Ion Ratio Lower Upper

95 100

174 98.6 0.0 182.8

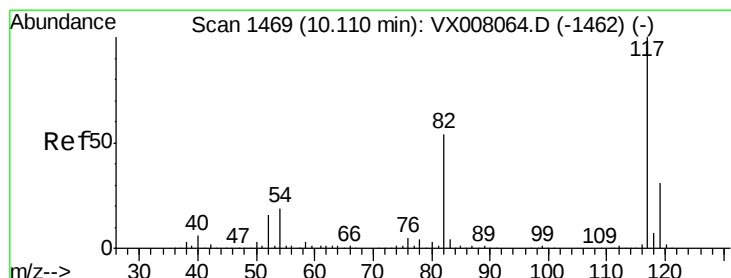
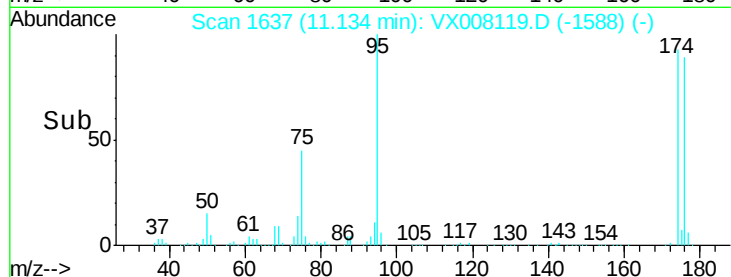
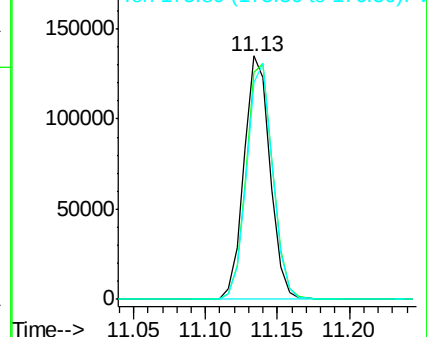
176 96.0 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008119.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008119.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008119.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX008119.D

Acq: 15 Mar 2019 21:17

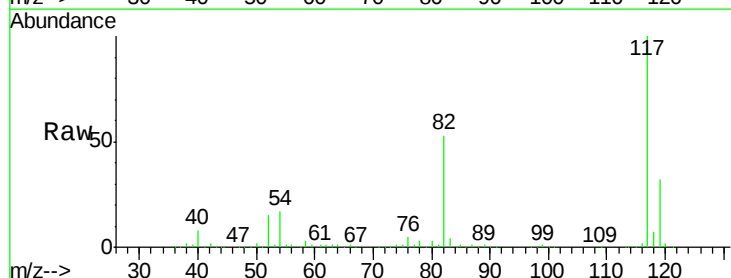
Tgt Ion: 117 Resp: 375085

Ion Ratio Lower Upper

117 100

82 52.6 44.3 66.5

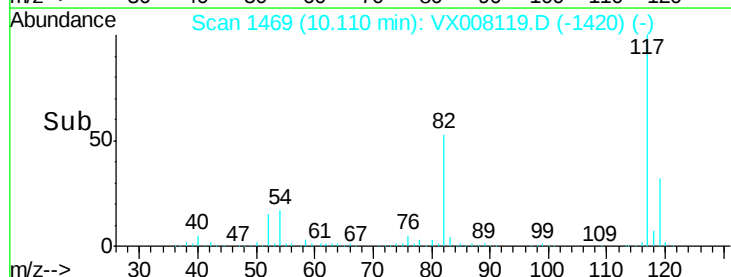
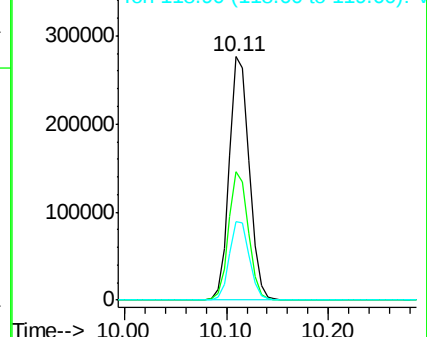
119 32.4 25.3 37.9

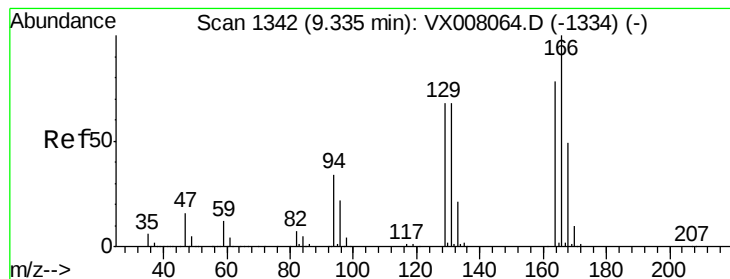


Abundance Ion 116.90 (116.60 to 117.60): VX008119.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008119.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008119.D (-1420) (-)





#64

Tetrachloroethene

Concen: 1.672 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008119.D

Acq: 15 Mar 2019 21:17

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW03-20190310

Tot Ion:164 Resp: 5081

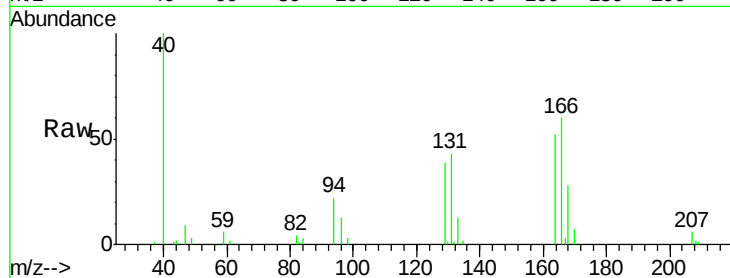
Ion Ratio Lower Upper

164 100

166 114.7 103.4 155.0

129 74.9 72.2 108.4

131 82.5 69.4 104.2

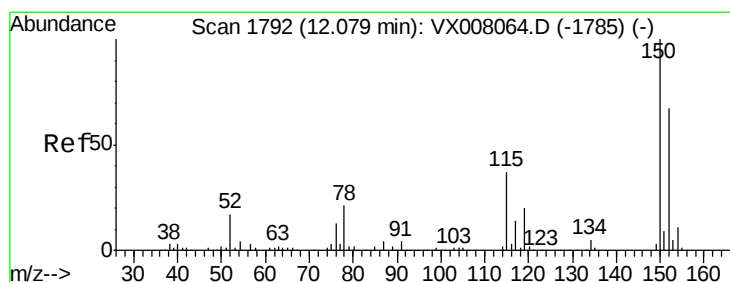
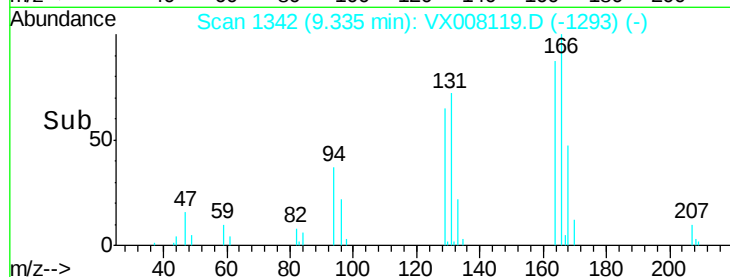
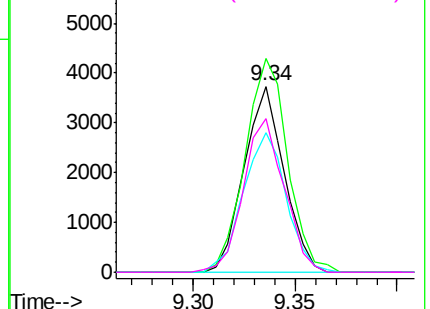


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX008119.D

Acq: 15 Mar 2019 21:17

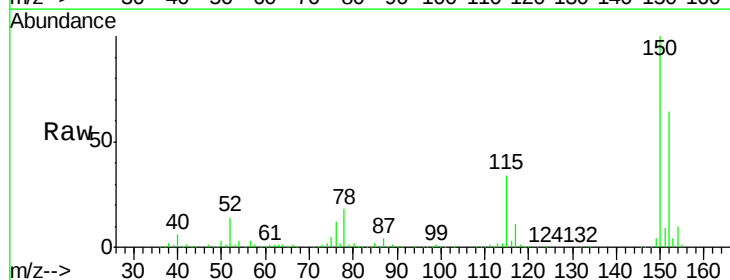
Tgt Ion:152 Resp: 183470

Ion Ratio Lower Upper

152 100

115 53.8 38.6 115.7

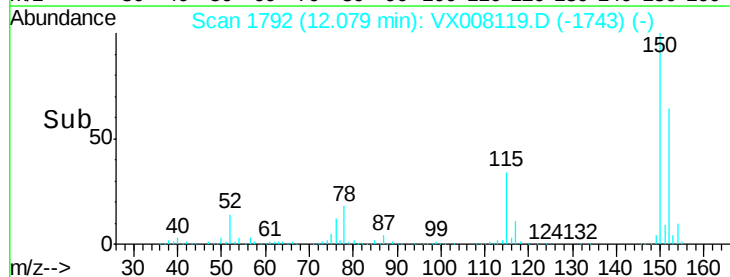
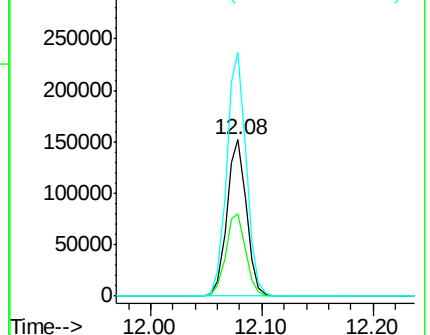
150 156.3 0.0 348.4

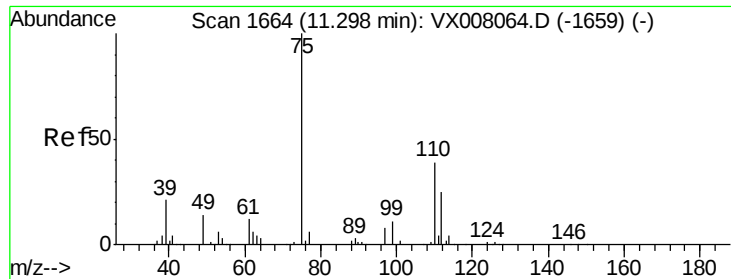


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

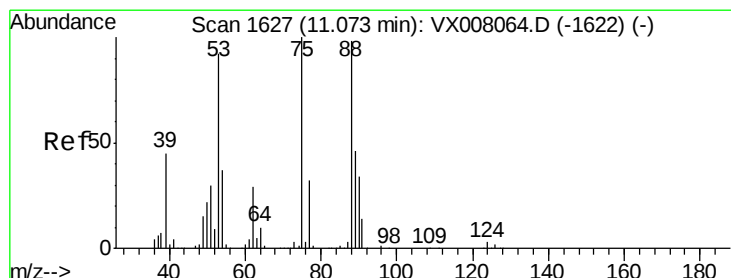
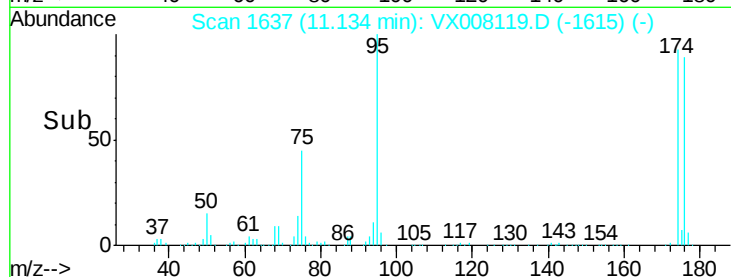
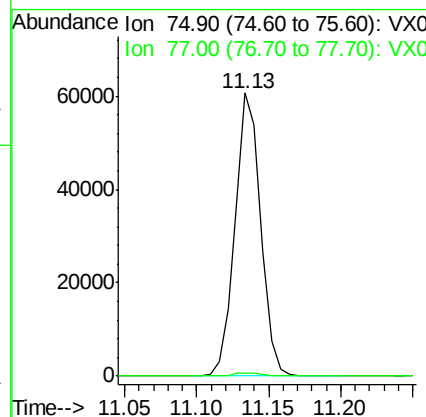
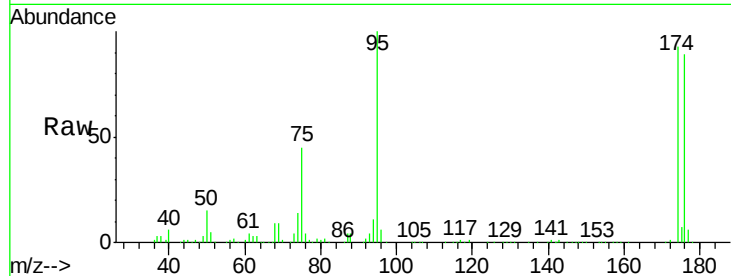




#76
 1,2,3-Trichloropropane
 Concen: 23.904 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008119.D
 Acq: 15 Mar 2019 21:17

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-FW-MW03-20190310

Tot Ion: 75 Resp: 76166
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.022 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008119.D
 Acq: 15 Mar 2019 21:17

Tgt Ion: 75 Resp: 76166
 Ion Ratio Lower Upper
 75 100
 53 0.0 76.1 114.1#
 89 0.0 36.3 54.5#

