

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX031519\
 Data File : VX008116.D
 Acq On : 15 Mar 2019 19:56
 Operator : JC/SP
 Sample : K1856-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-FW-MW01-20190310

Quant Time: Mar 16 01:08:59 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	250455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	375443	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	358701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177639	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	125056	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
35) Dibromofluoromethane	5.51	113	122465	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
50) Toluene-d8	8.71	98	451005	49.81	ug/l	0.00
Spiked Amount			Recovery	=	99.62%	
62) 4-Bromofluorobenzene	11.13	95	164405	50.68	ug/l	0.00
Spiked Amount			Recovery	=	101.36%	

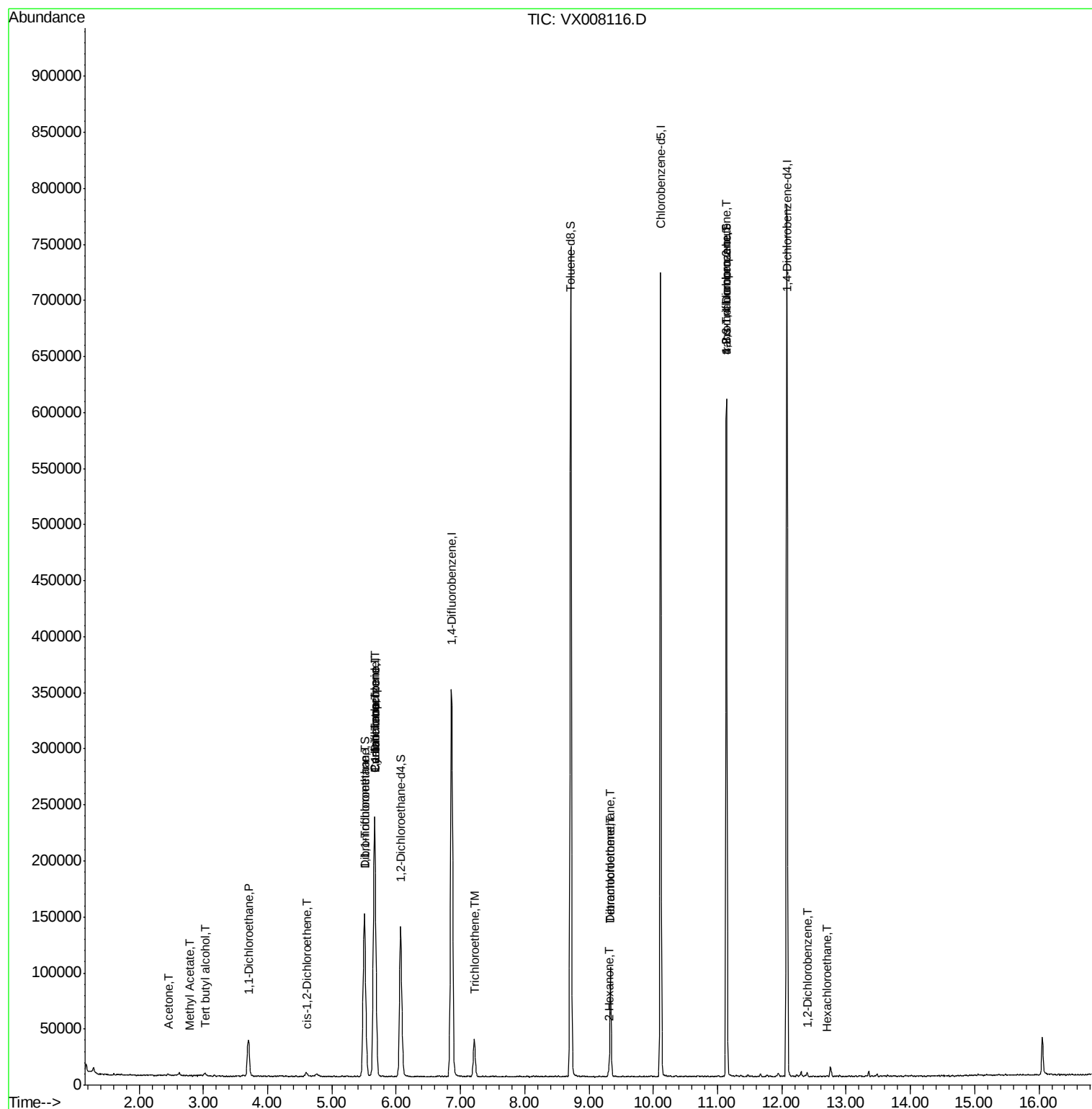
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	289	Below Cal	#	68
11) Tert butyl alcohol	3.03	59	1845	3.780	ug/l #	76
16) Acetone	2.45	43	1698	1.424	ug/l	98
18) Methyl Acetate	2.78	43	602	0.234	ug/l #	84
24) 1,1-Dichloroethane	3.70	63	37559	9.913	ug/l	97
27) cis-1,2-Dichloroethene	4.61	96	1860	0.761	ug/l	94
31) Cyclohexane	5.67	56	3451	0.955	ug/l #	1
32) 1,1,1-Trichloroethane	5.50	97	3662	1.133	ug/l #	51
36) 1,1-Dichloropropene	5.66	75	13920	4.507	ug/l #	50
38) Carbon Tetrachloride	5.67	117	19928	6.703	ug/l #	17
44) Trichloroethene	7.21	130	14176	5.191	ug/l	97
59) 2-Hexanone	9.30	43	2898	1.052	ug/l	75
60) Dibromochloromethane	9.34	129	17863	7.077	ug/l #	11
64) Tetrachloroethene	9.34	164	20350	7.002	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	73653	23.874	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	73653	67.937	ug/l #	12
90) Hexachloroethane	12.70	117	356	0.220	ug/l #	1
91) 1,2-Dichlorobenzene	12.40	146	1207	0.220	ug/l	97

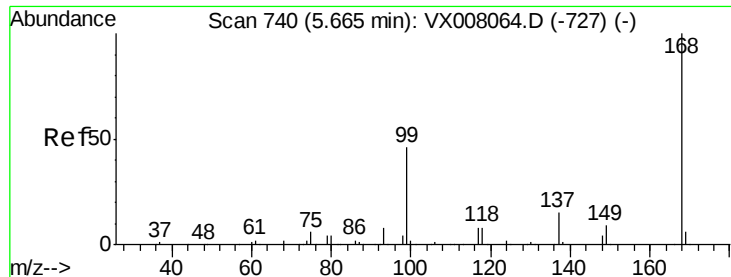
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031519\
Data File : VX008116.D
Acq On : 15 Mar 2019 19:56
Operator : JC/SP
Sample : K1856-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BP-FW-MW01-20190310

Quant Time: Mar 16 01:08:59 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

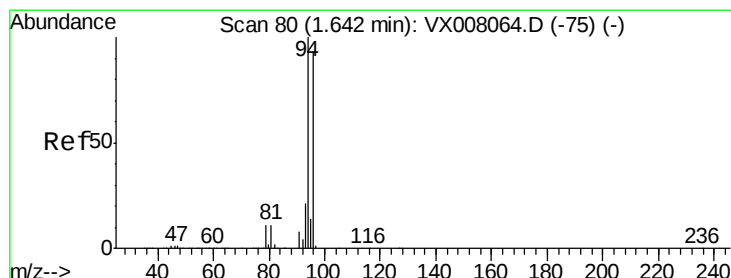
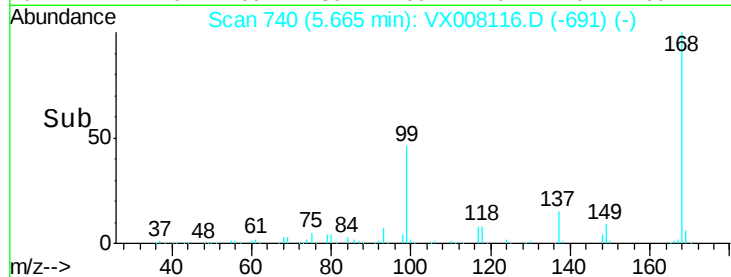
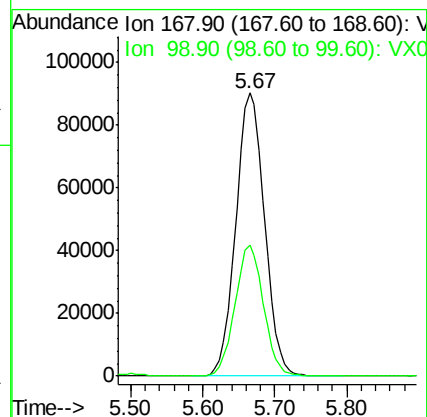
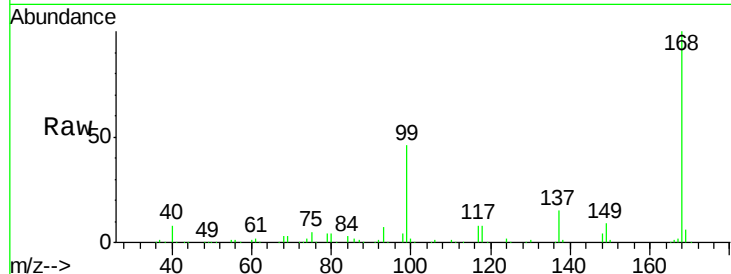




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.00 min
Lab File: VX008116.D
Acq: 15 Mar 2019 19:56

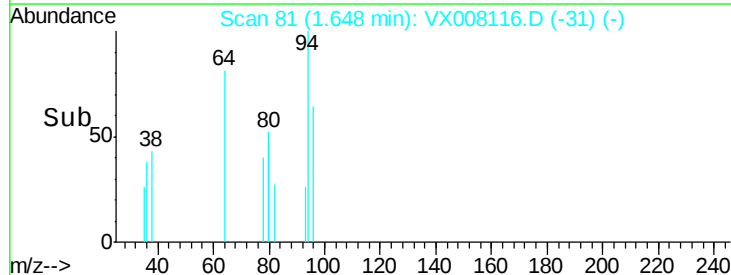
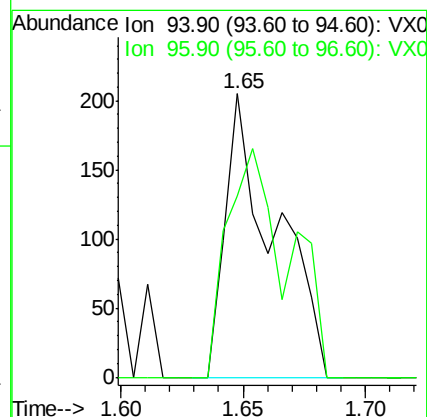
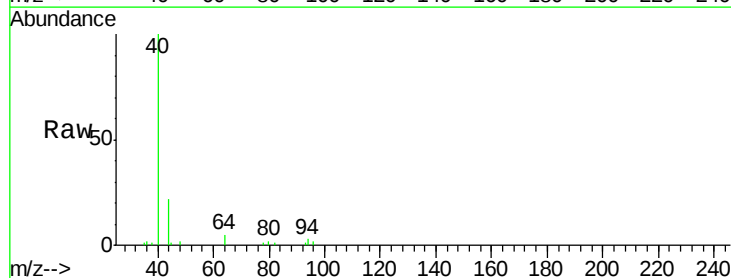
Instrument :
MSVOA_X
ClientSampleId :
BP-FW-MW01-20190310

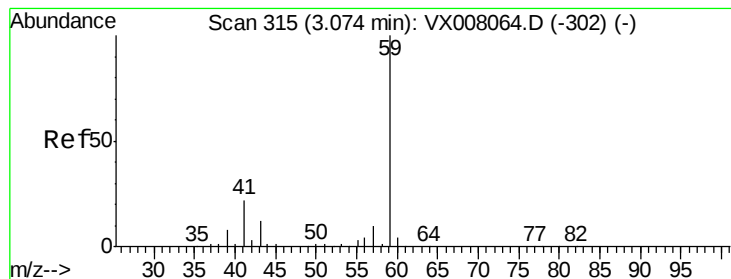
Tot Ion:168 Resp: 250455
Ion Ratio Lower Upper
168 100
99 46.2 37.6 56.4



#5
Bromomethane
Concen: Below Cal
RT: 1.65 min Scan# 81
Delta R.T. 0.01 min
Lab File: VX008116.D
Acq: 15 Mar 2019 19:56

Tgt Ion: 94 Resp: 289
Ion Ratio Lower Upper
94 100
96 63.9 75.5 113.3#



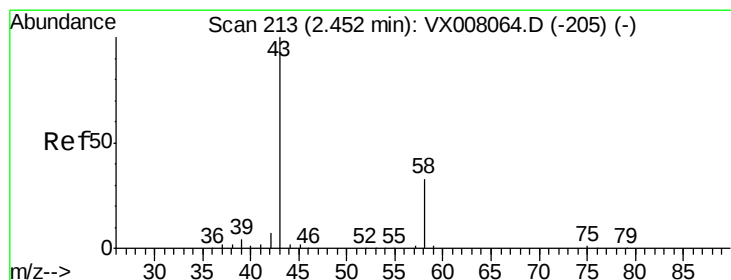
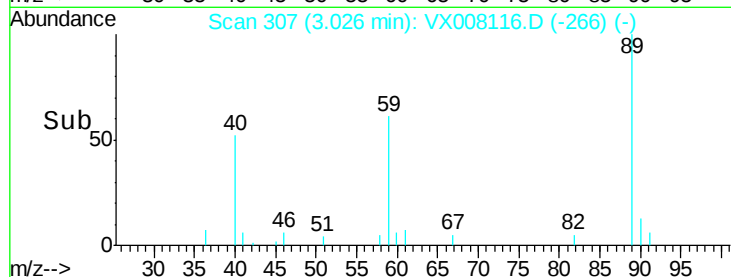
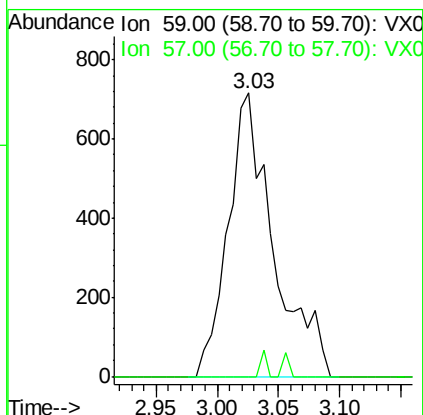
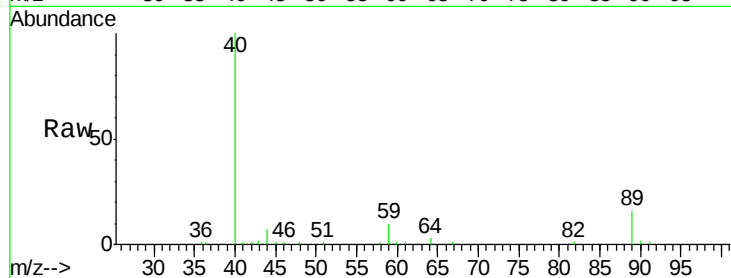


#11

Tert butyl alcohol
 Concen: 3.780 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX008116.D
 Acq: 15 Mar 2019 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-FW-MW01-20190310

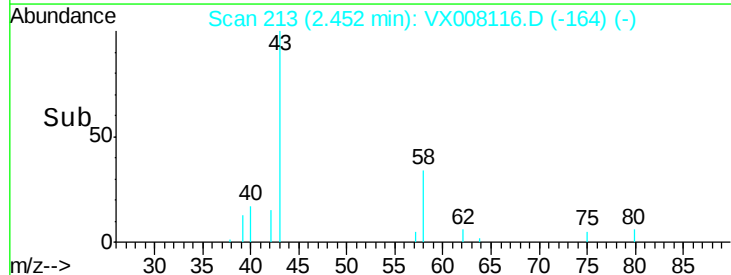
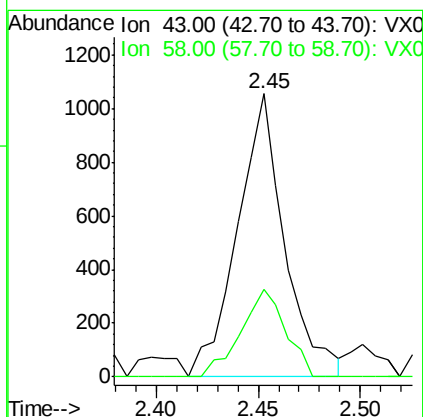
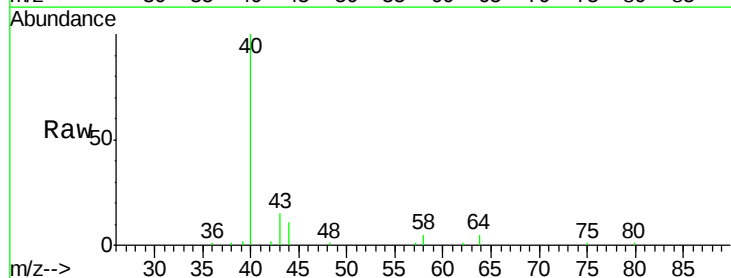
Tot Ion: 59 Resp: 1845
 Ion Ratio Lower Upper
 59 100
 57 1.3 8.2 12.2#

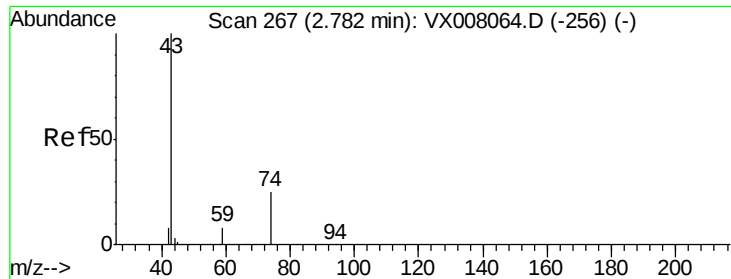


#16

Acetone
 Concen: 1.424 ug/l
 RT: 2.45 min Scan# 213
 Delta R.T. 0.00 min
 Lab File: VX008116.D
 Acq: 15 Mar 2019 19:56

Tgt Ion: 43 Resp: 1698
 Ion Ratio Lower Upper
 43 100
 58 30.7 25.5 38.3





#18

Methyl Acetate

Concen: 0.234 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX008116.D

Acq: 15 Mar 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

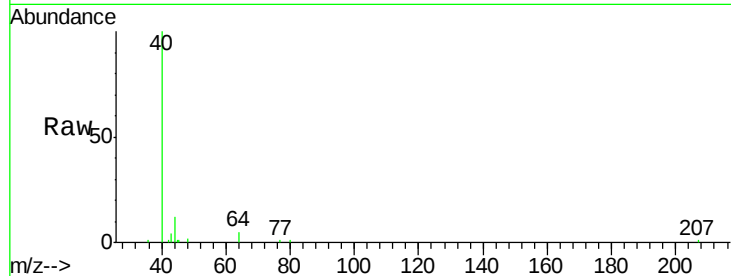
BP-FW-MW01-20190310

Tot Ion: 43 Resp: 602

Ion Ratio Lower Upper

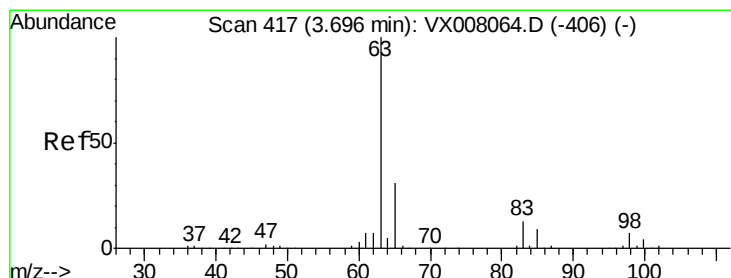
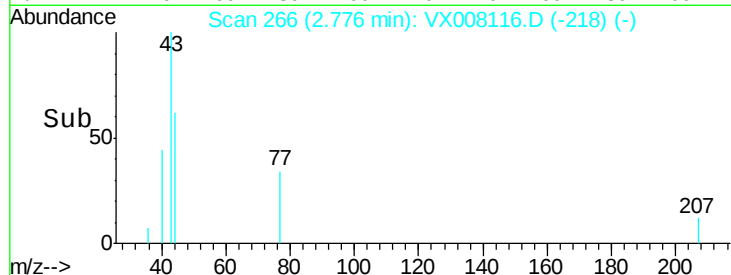
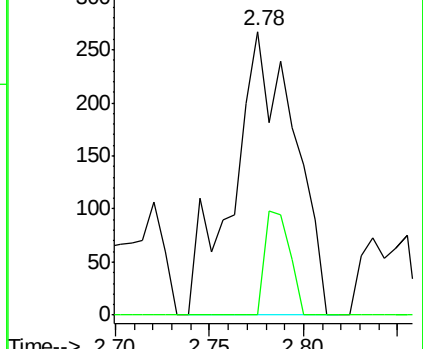
43 100

74 14.8 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0



#24

1,1-Dichloroethane

Concen: 9.913 ug/l

RT: 3.70 min Scan# 418

Delta R.T. 0.01 min

Lab File: VX008116.D

Acq: 15 Mar 2019 19:56

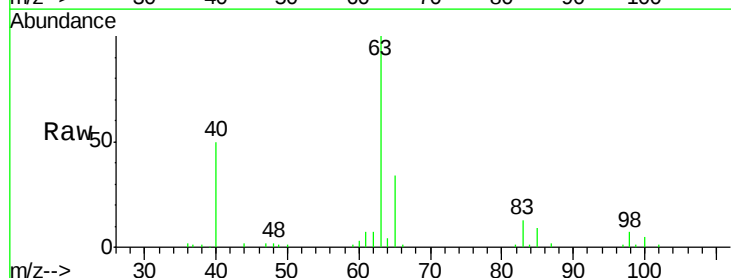
Tgt Ion: 63 Resp: 37559

Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.8

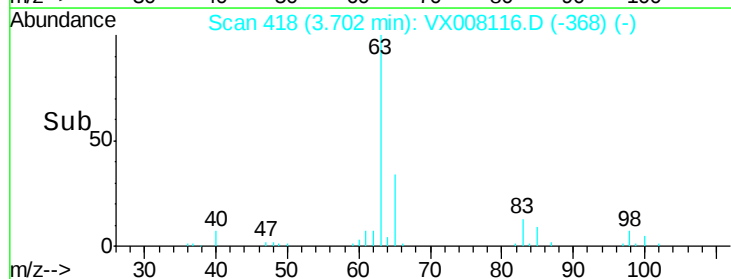
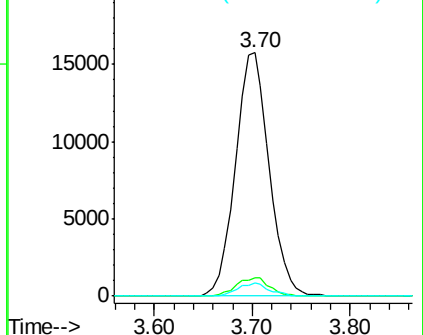
100 5.4 2.3 6.8

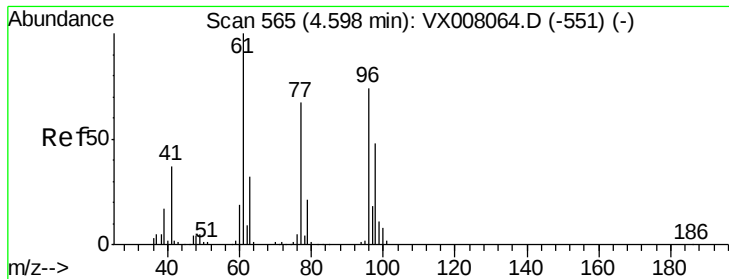


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



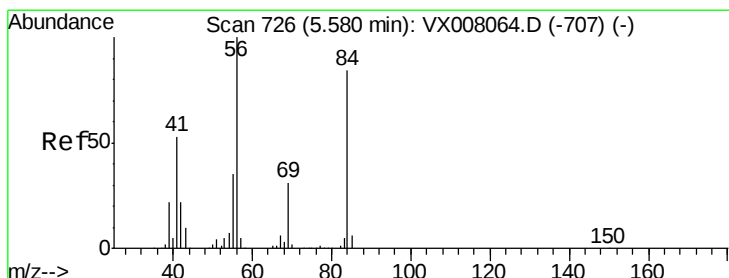
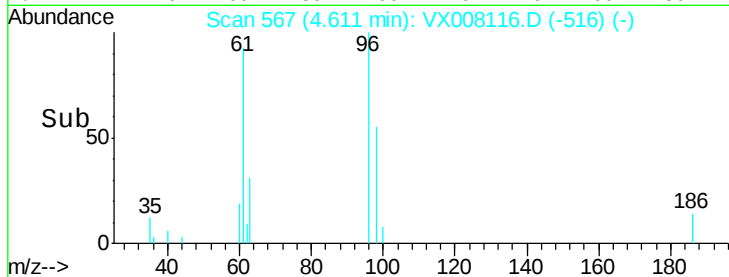
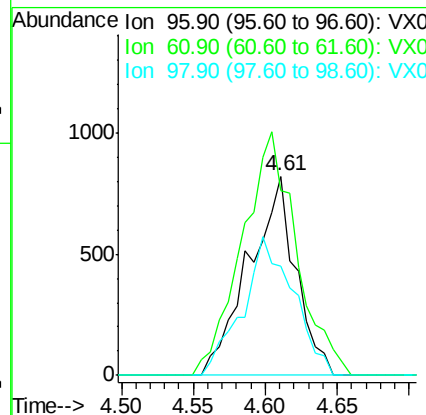
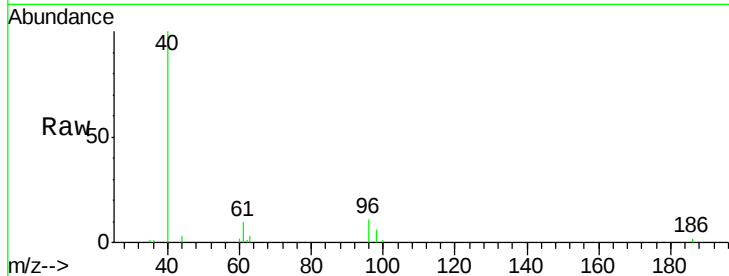


#27

cis-1,2-Dichloroethene
 Concen: 0.761 ug/l
 RT: 4.61 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VX008116.D
 Acq: 15 Mar 2019 19:56

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-FW-MW01-20190310

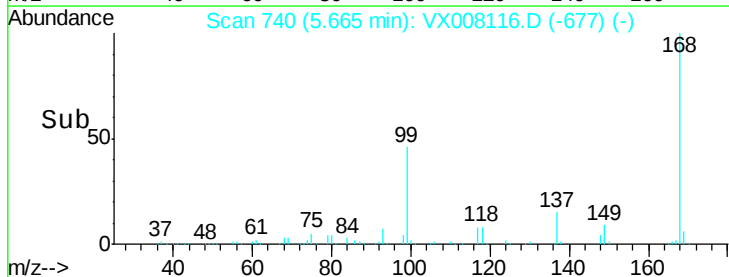
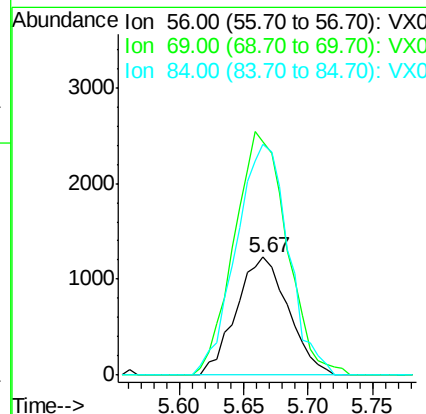
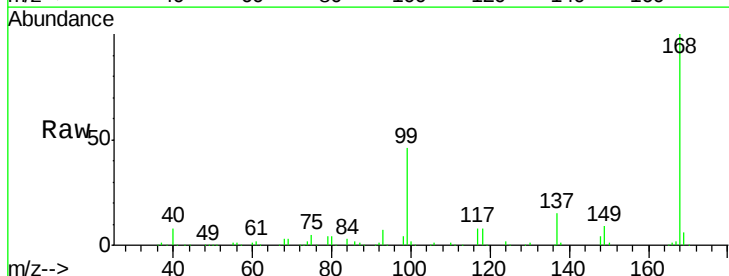
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	288.0
98	74.9	0.0	129.0

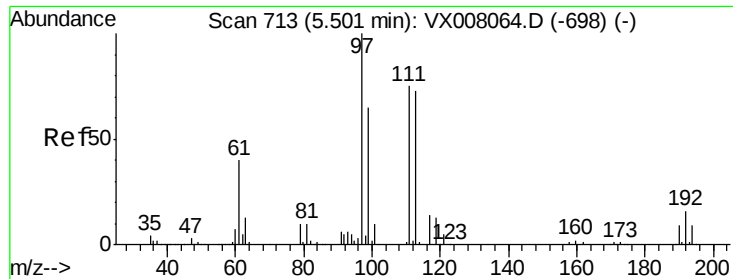


#31

Cyclohexane
 Concen: 0.955 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. 0.09 min
 Lab File: VX008116.D
 Acq: 15 Mar 2019 19:56

Tgt Ion	Ratio	Lower	Upper
56	100		
69	197.5	24.0	36.0#
84	195.4	65.3	97.9#





#32

1,1,1-Trichloroethane

Concen: 1.133 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008116.D

Acq: 15 Mar 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW01-20190310

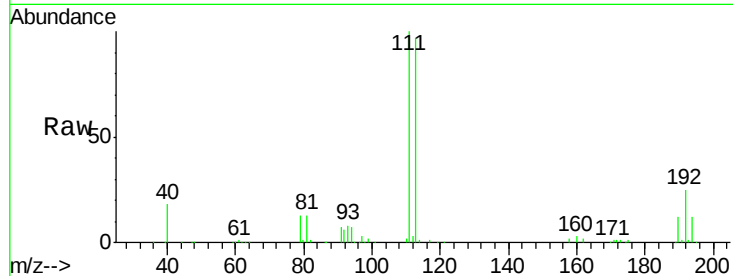
Tot Ion: 97 Resp: 3662

Ion Ratio Lower Upper

97 100

99 0.0 52.2 78.2#

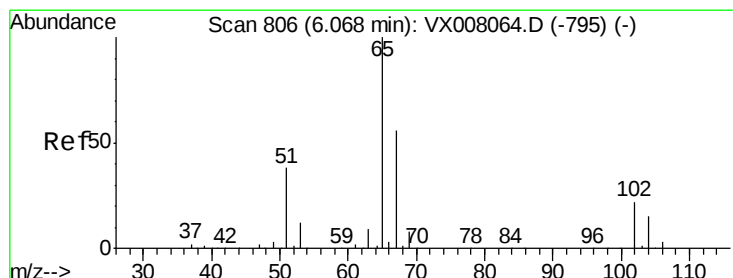
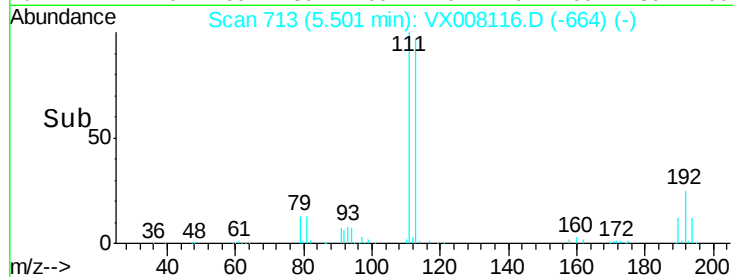
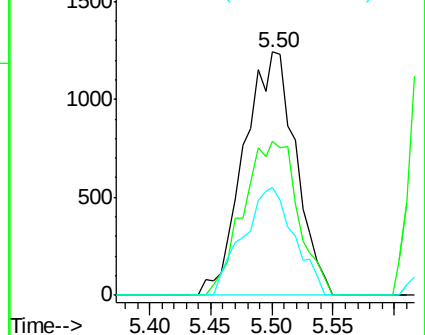
61 43.7 34.9 52.3



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: 49.499 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008116.D

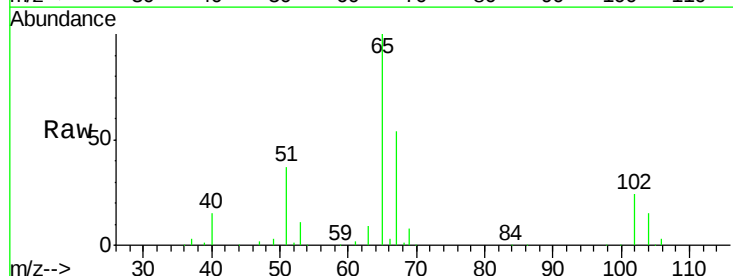
Acq: 15 Mar 2019 19:56

Tgt Ion: 65 Resp: 125056

Ion Ratio Lower Upper

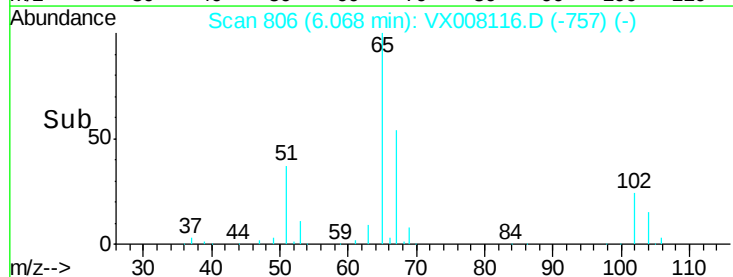
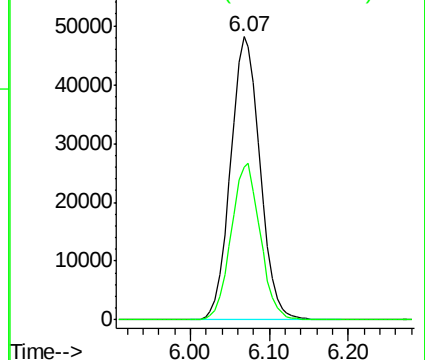
65 100

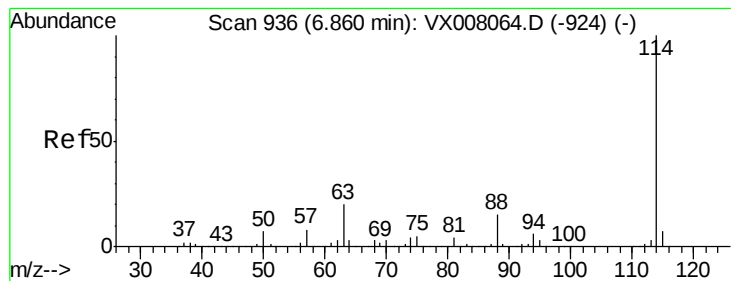
67 54.7 0.0 110.0



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: VX008116.D

Acq: 15 Mar 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW01-20190310

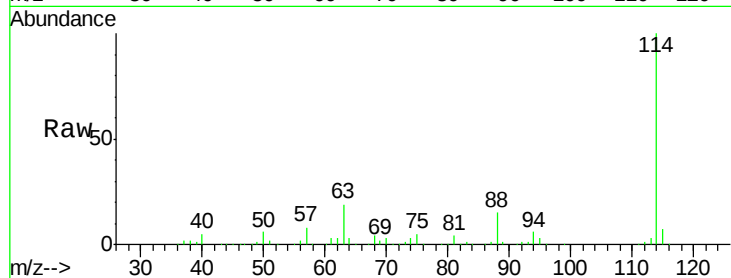
Tot Ion:114 Resp: 375443

Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.8

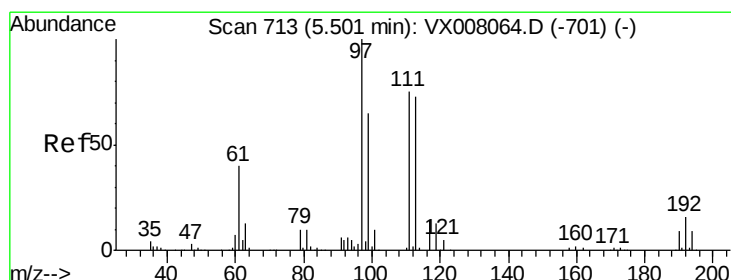
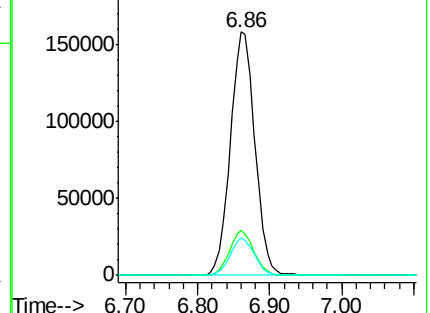
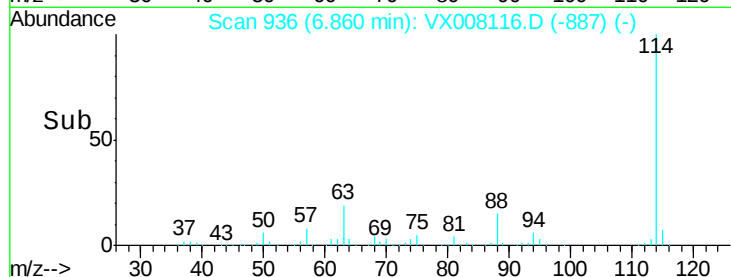
88 15.5 0.0 31.4



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: 51.437 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX008116.D

Acq: 15 Mar 2019 19:56

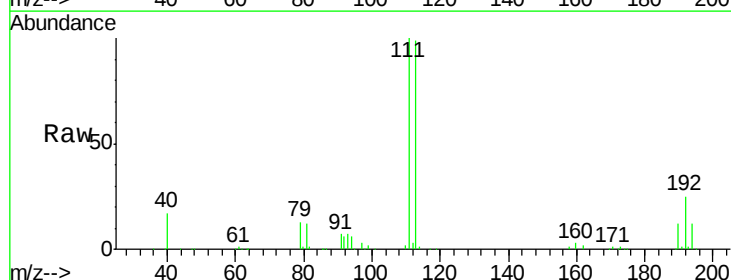
Tgt Ion:113 Resp: 122465

Ion Ratio Lower Upper

113 100

111 101.6 81.4 122.0

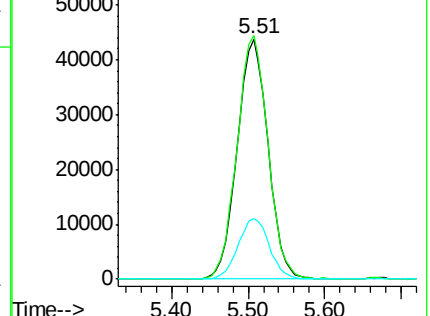
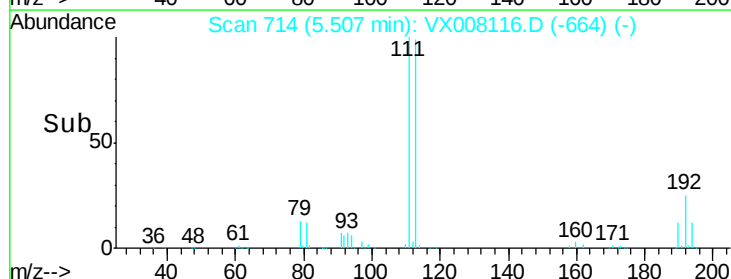
192 25.5 19.4 29.0

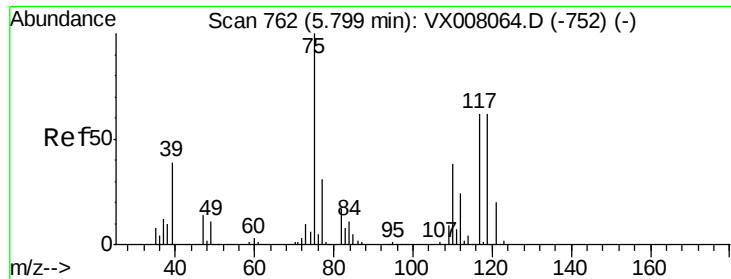


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

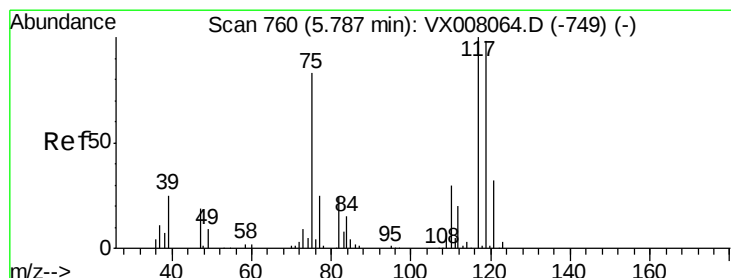
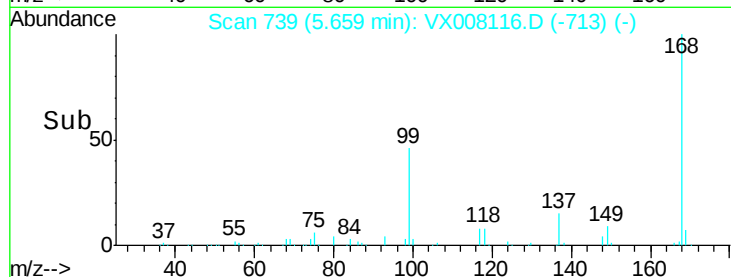
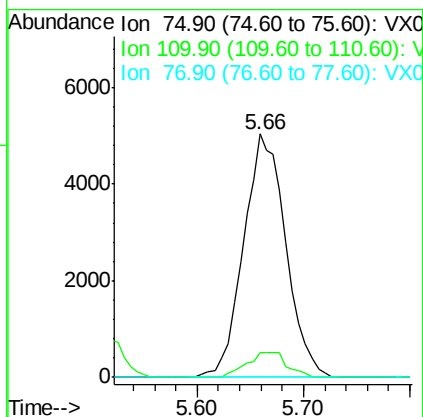
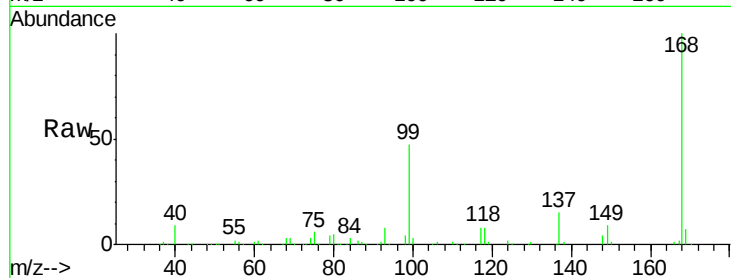




#36
 1,1-Dichloropropene
 Concen: 4.507 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX008116.D
 Acq: 15 Mar 2019 19:56

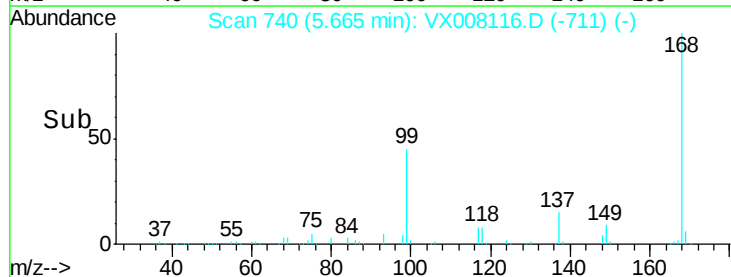
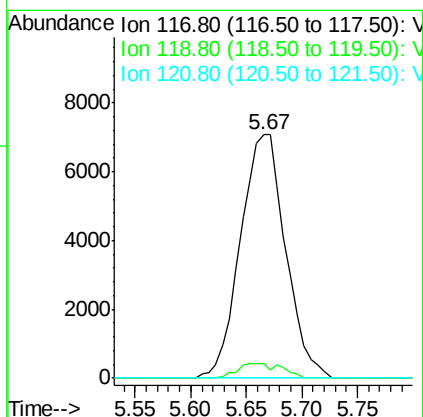
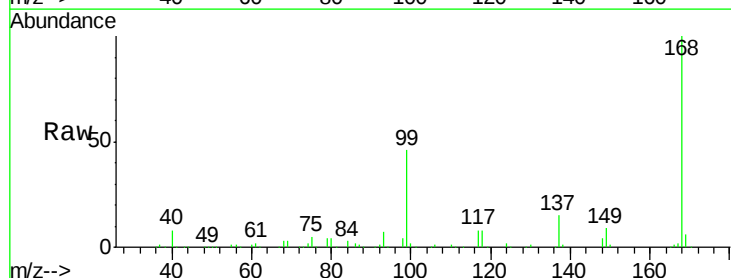
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-FW-MW01-20190310

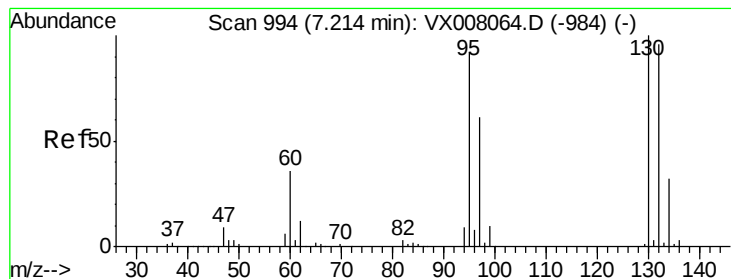
Tot Ion: 75 Resp: 13920
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.4 55.0#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.703 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX008116.D
 Acq: 15 Mar 2019 19:56

Tgt Ion: 117 Resp: 19928
 Ion Ratio Lower Upper
 117 100
 119 5.9 76.2 114.2#
 121 0.0 24.6 36.8#





#44

Trichloroethene

Concen: 5.191 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX008116.D

Acq: 15 Mar 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

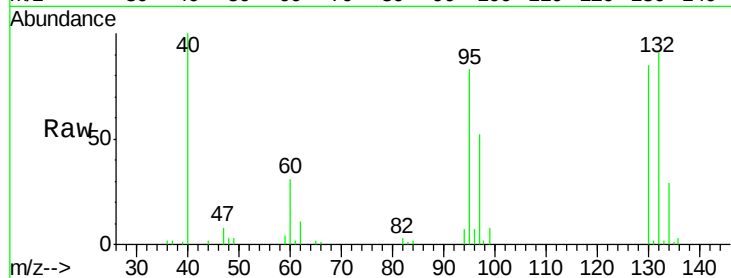
BP-FW-MW01-20190310

Tot Ion:130 Resp: 14176

Ion Ratio Lower Upper

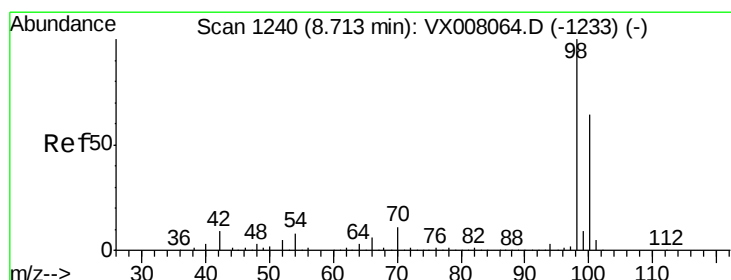
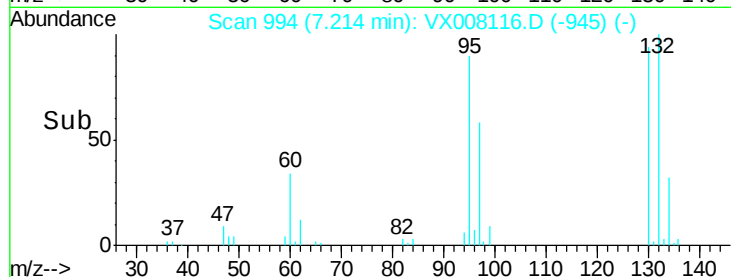
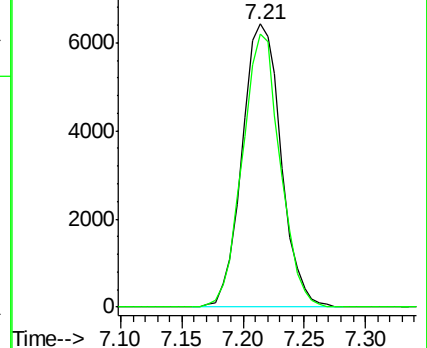
130 100

95 96.7 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: 49.807 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008116.D

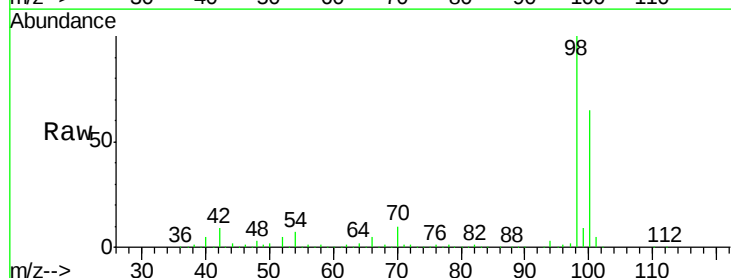
Acq: 15 Mar 2019 19:56

Tgt Ion: 98 Resp: 451005

Ion Ratio Lower Upper

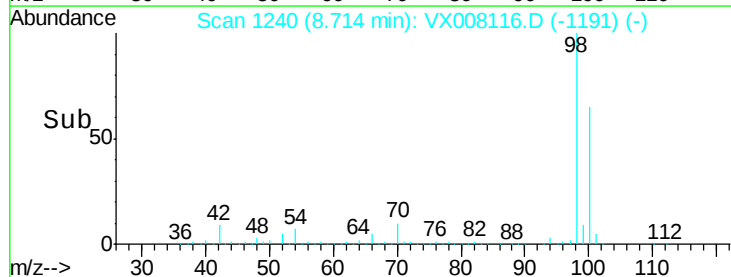
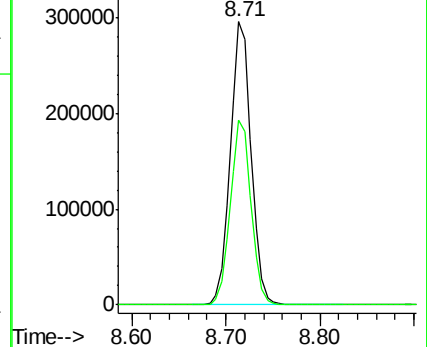
98 100

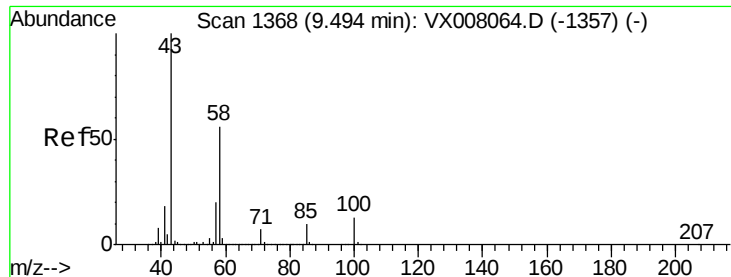
100 65.1 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

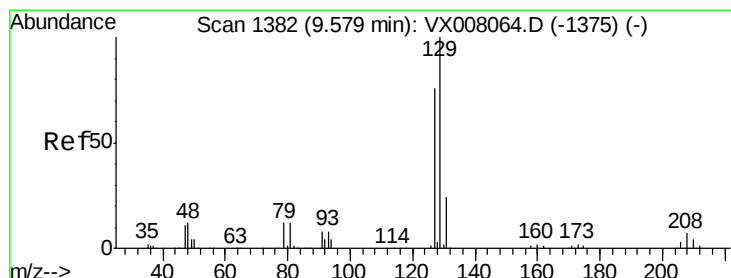
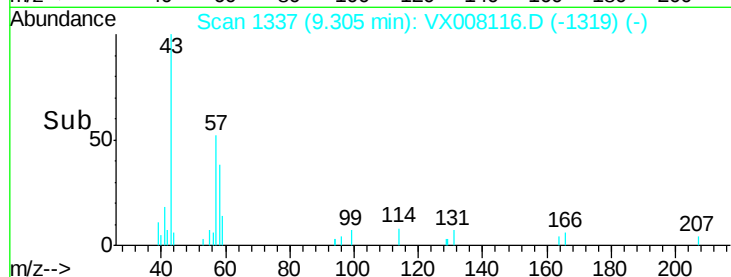
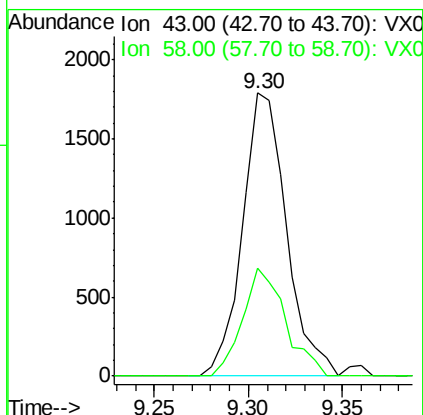
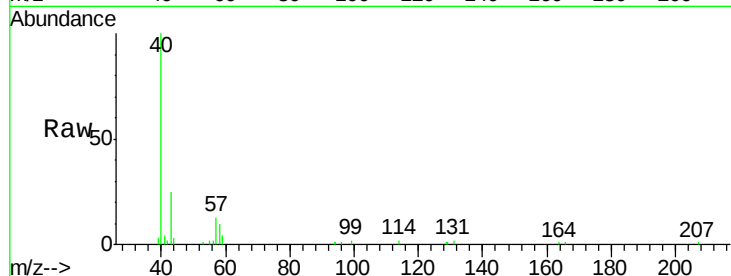




#59
2-Hexanone
Concen: 1.052 ug/l
RT: 9.30 min Scan# 1337
Delta R.T. -0.19 min
Lab File: VX008116.D
Acq: 15 Mar 2019 19:56

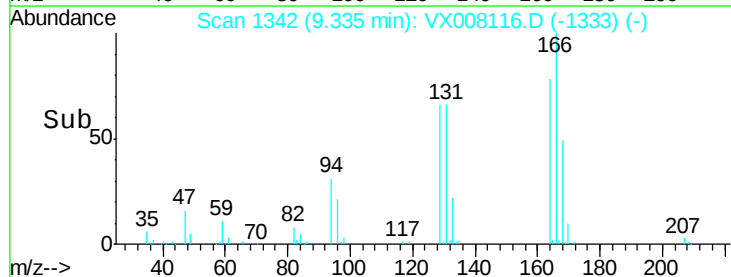
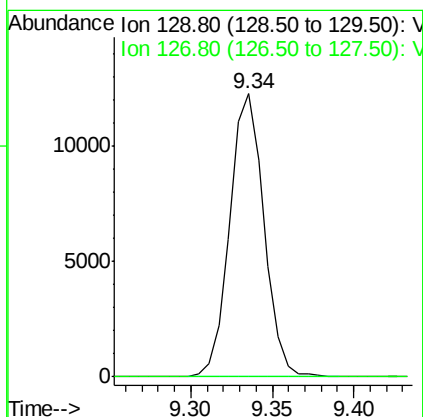
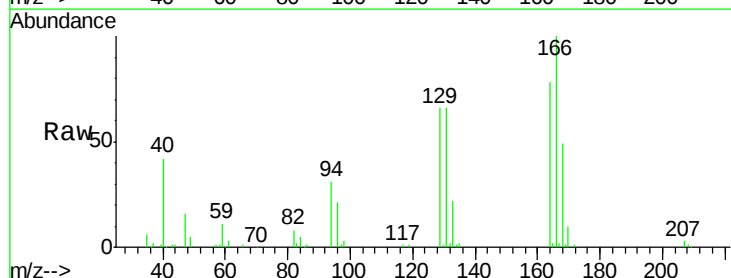
Instrument :
MSVOA_X
ClientSampleId :
BP-FW-MW01-20190310

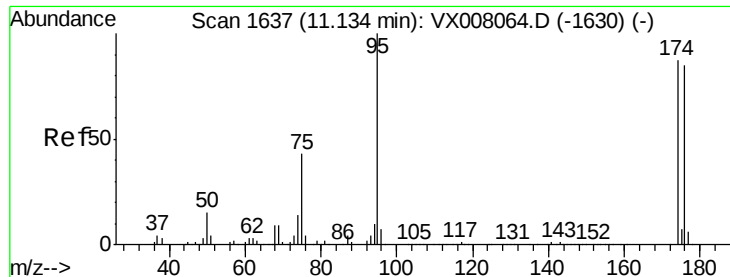
Tot Ion: 43 Resp: 2898
Ion Ratio Lower Upper
43 100
58 37.0 27.6 82.7



#60
Dibromochloromethane
Concen: 7.077 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX008116.D
Acq: 15 Mar 2019 19:56

Tgt Ion: 129 Resp: 17863
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#





#62

4-Bromofluorobenzene

Concen: 50.682 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008116.D

Acq: 15 Mar 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW01-20190310

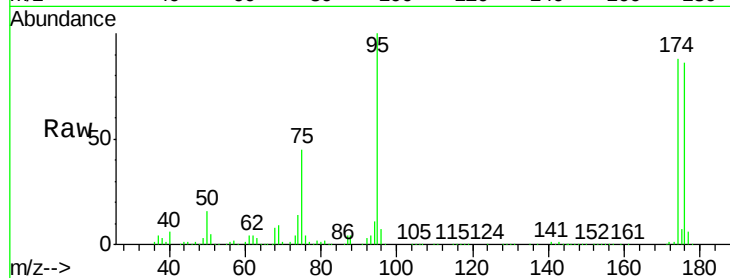
Tot Ion: 95 Resp: 164405

Ion Ratio Lower Upper

95 100

174 97.4 0.0 182.8

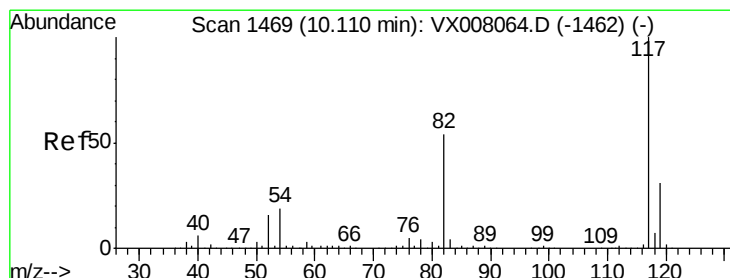
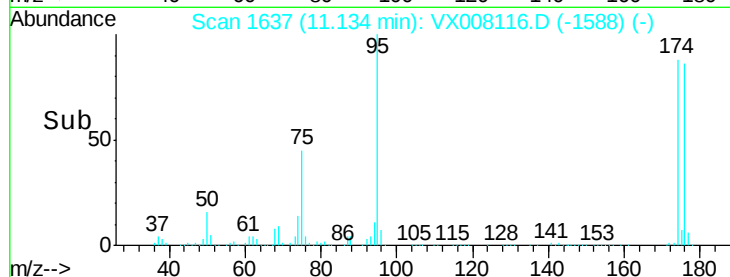
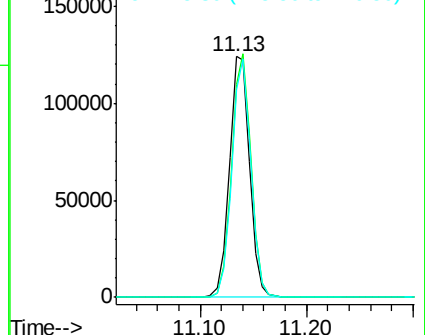
176 94.1 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008116.D

Acq: 15 Mar 2019 19:56

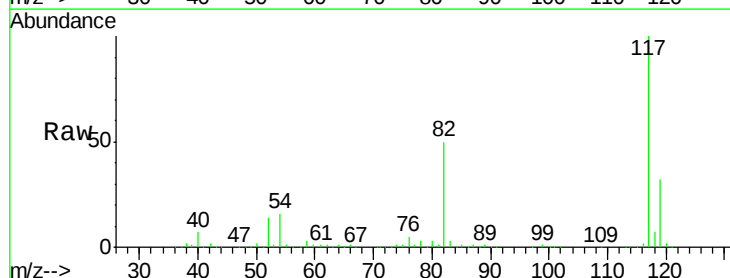
Tgt Ion: 117 Resp: 358701

Ion Ratio Lower Upper

117 100

82 49.7 44.3 66.5

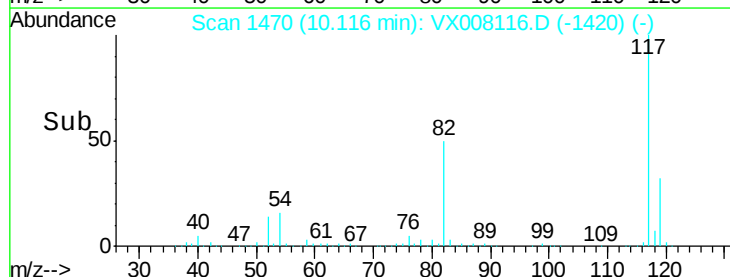
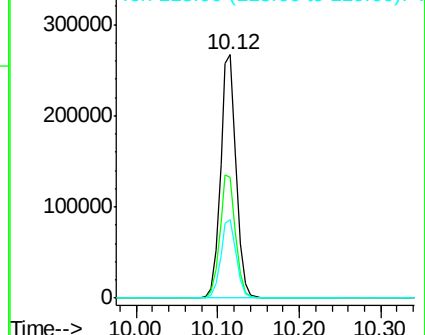
119 32.1 25.3 37.9

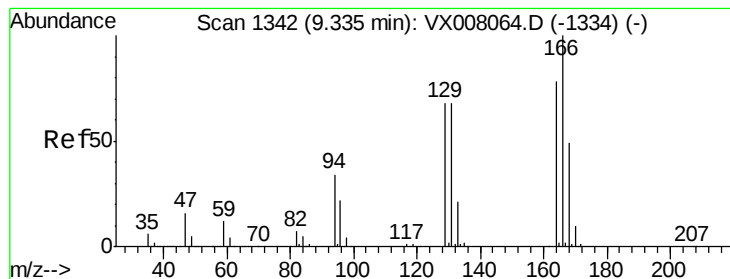


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 7.002 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008116.D

Acq: 15 Mar 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

BP-FW-MW01-20190310

Tot Ion:164 Resp: 20350

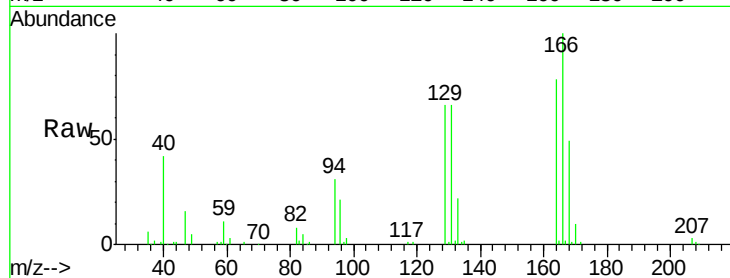
Ion Ratio Lower Upper

164 100

166 127.9 103.4 155.0

129 84.9 72.2 108.4

131 83.9 69.4 104.2

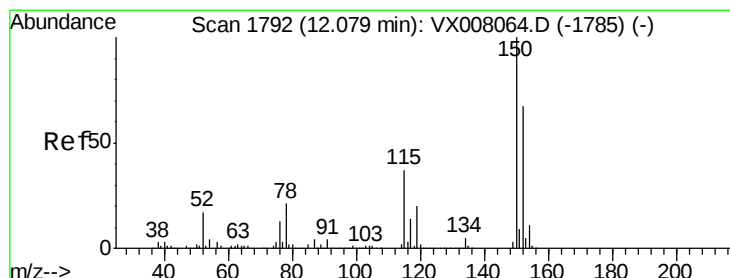
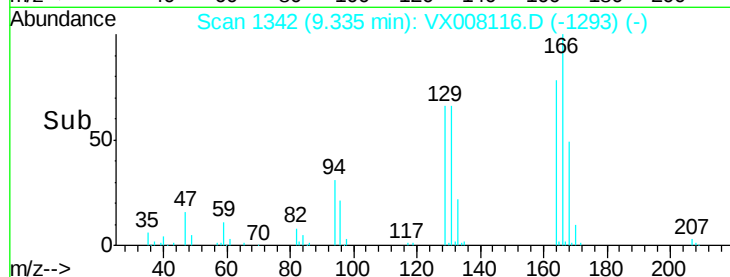
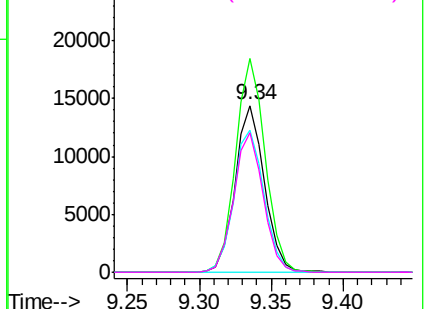


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX008116.D

Acq: 15 Mar 2019 19:56

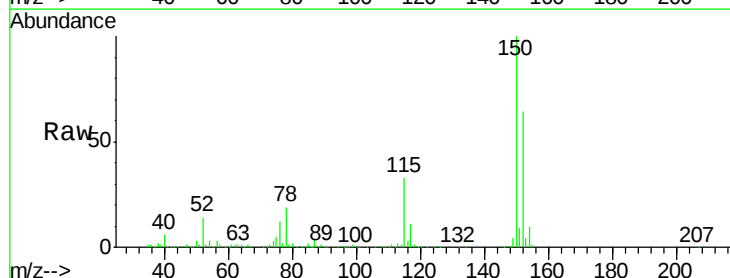
Tgt Ion:152 Resp: 177639

Ion Ratio Lower Upper

152 100

115 53.3 38.6 115.7

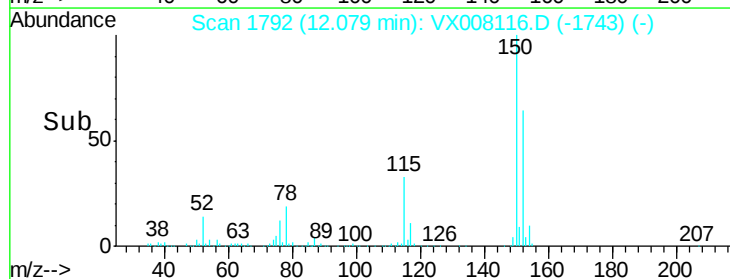
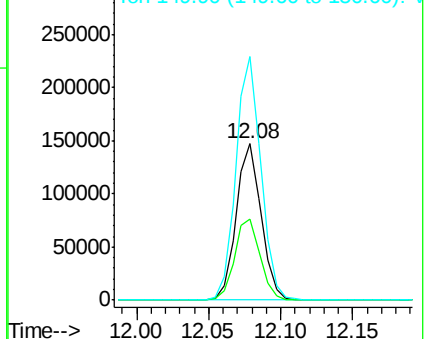
150 156.7 0.0 348.4

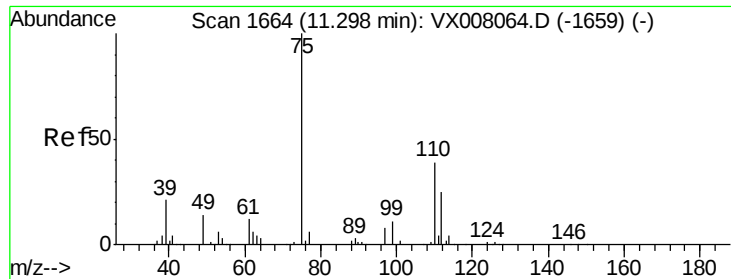


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 23.874 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008116.D

Acq: 15 Mar 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

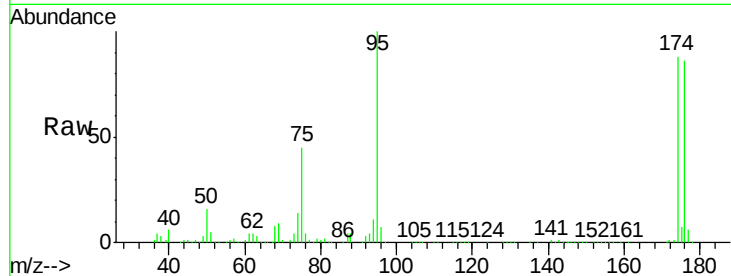
BP-FW-MW01-20190310

Tot Ion: 75 Resp: 73653

Ion Ratio Lower Upper

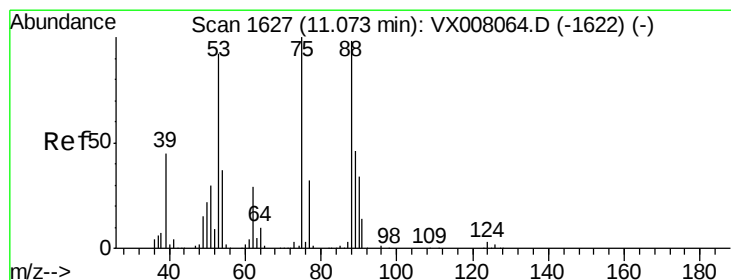
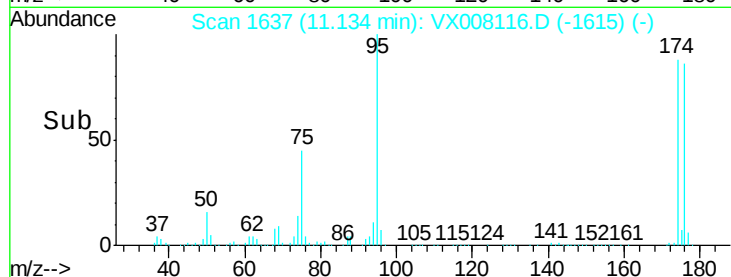
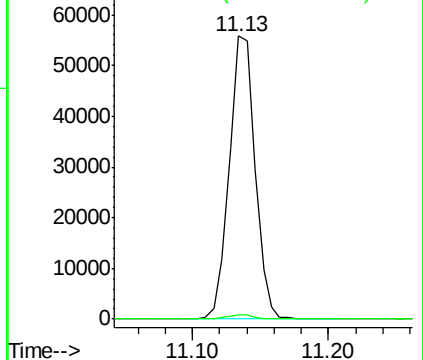
75 100

77 1.5 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: 67.937 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008116.D

Acq: 15 Mar 2019 19:56

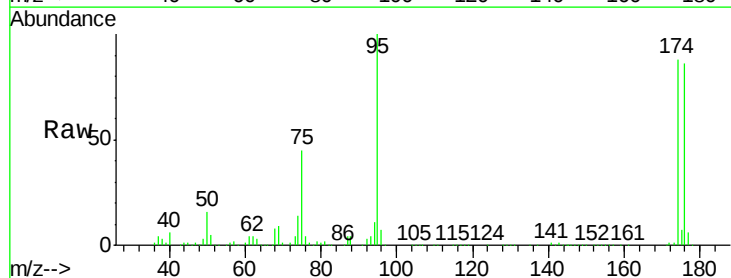
Tgt Ion: 75 Resp: 73653

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

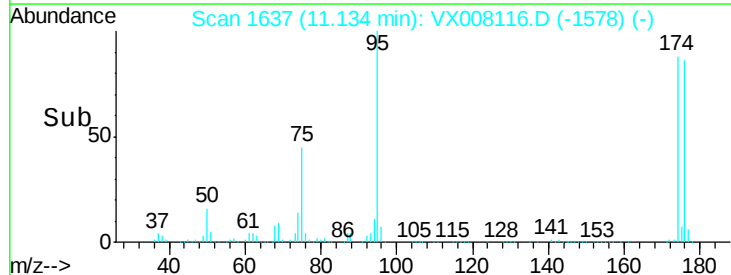
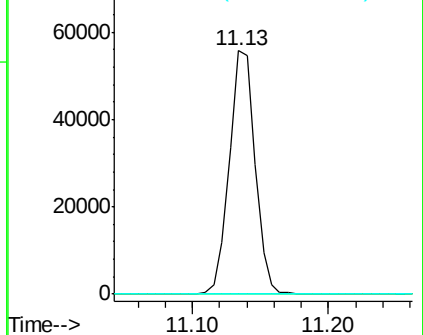
89 0.3 36.3 54.5#

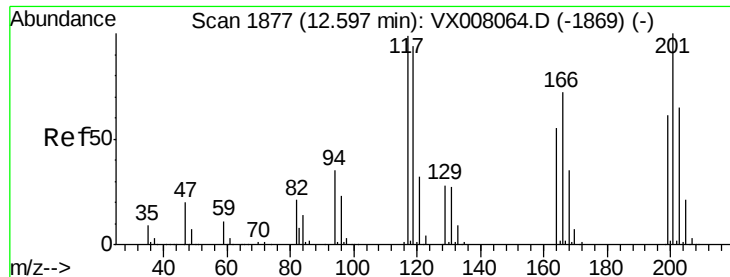


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#90

Hexachloroethane

Concen: 0.220 ug/l

RT: 12.70 min Scan# 1894

Delta R.T. 0.10 min

Lab File: VX008116.D

Acq: 15 Mar 2019 19:56

Instrument :

MSVOA_X

ClientSampleId :

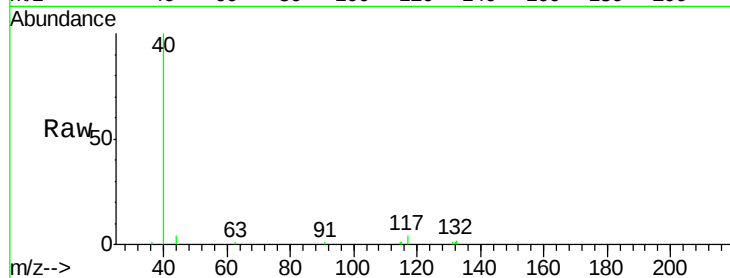
BP-FW-MW01-20190310

Tot Ion:117 Resp: 356

Ion Ratio Lower Upper

117 100

201 0.0 48.9 146.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

2500

2000

1500

1000

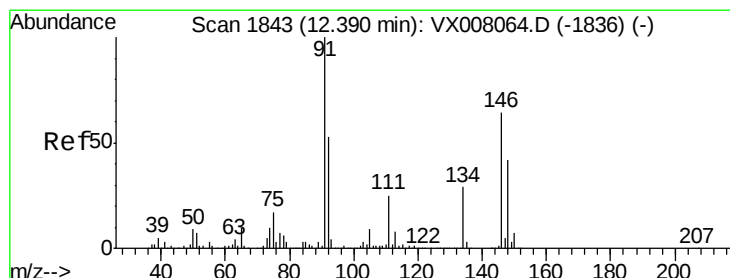
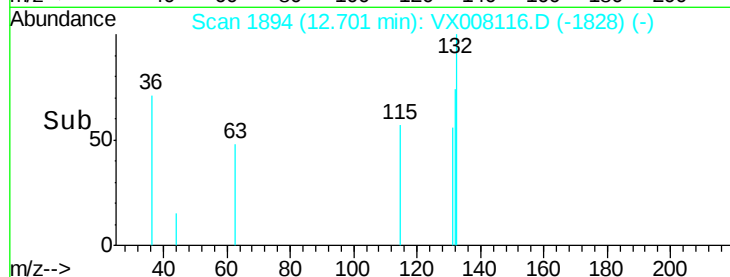
500

0

12.65

12.70

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.220 ug/l

RT: 12.40 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VX008116.D

Acq: 15 Mar 2019 19:56

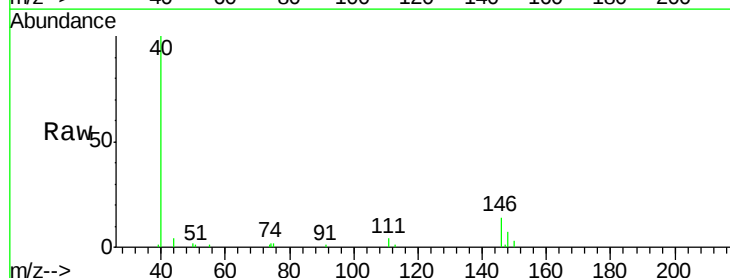
Tgt Ion:146 Resp: 1207

Ion Ratio Lower Upper

146 100

111 39.6 19.6 58.8

148 67.5 31.9 95.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

1500

1000

500

0

12.35

12.40

Time-->

