

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\
 Data File : VX008298.D
 Acq On : 21 Mar 2019 18:17
 Operator : JC/SP
 Sample : K1985-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-EB03-20190317

Quant Time: Mar 22 08:45:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 13:15:13 2019
 Response via : Initial Calibration

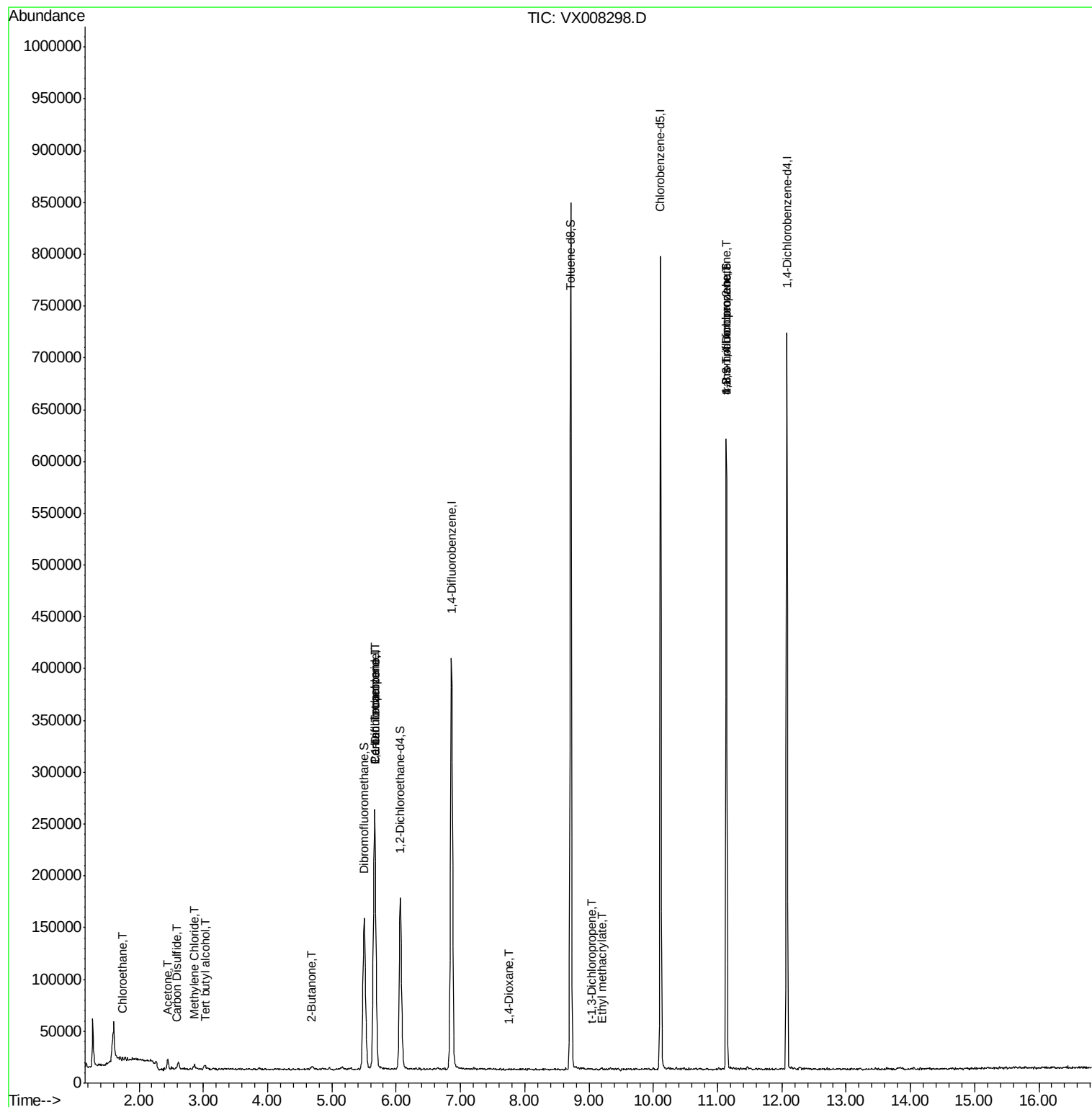
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	238369	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387665	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	338958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138253	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	159468	44.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.84%	
35) Dibromofluoromethane	5.50	113	120561	46.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.92%	
50) Toluene-d8	8.71	98	480207	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	11.13	95	153967	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.73	64	776	0.342	ug/l #	50
11) Tert butyl alcohol	3.02	59	2888	3.758	ug/l #	91
13) Acrolein	2.28	56	84	Below Cal	#	13
16) Acetone	2.45	43	10691	5.251	ug/l	90
17) Carbon Disulfide	2.58	76	815	0.760	ug/l #	1
20) Methylene Chloride	2.86	84	2323	0.684	ug/l #	78
25) 2-Butanone	4.69	43	2526	0.840	ug/l	95
36) 1,1-Dichloropropene	5.67	75	18753	4.155	ug/l #	51
38) Carbon Tetrachloride	5.67	117	23283	5.790	ug/l #	16
49) 1,4-Dioxane	7.75	88	40	0.498	ug/l #	1
53) t-1,3-Dichloropropene	9.04	75	66	1.434	ug/l #	1
56) Ethyl methacrylate	9.21	69	97	0.543	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	81341	20.918	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	81341	53.231	ug/l #	12

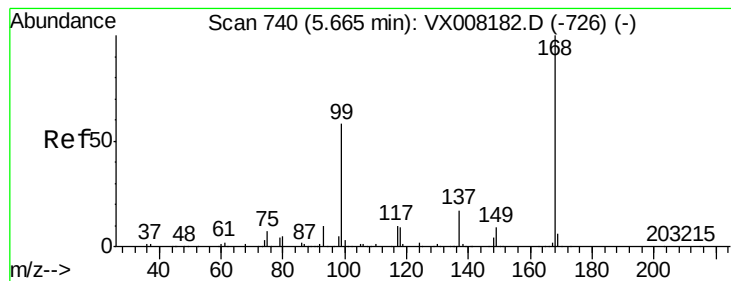
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX008298.D

Acq: 21 Mar 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

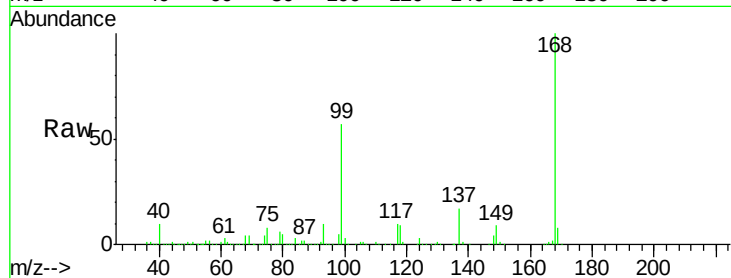
BP-EB03-20190317

Tot Ion:168 Resp: 238369

Ion Ratio Lower Upper

168 100

99 57.3 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

80000

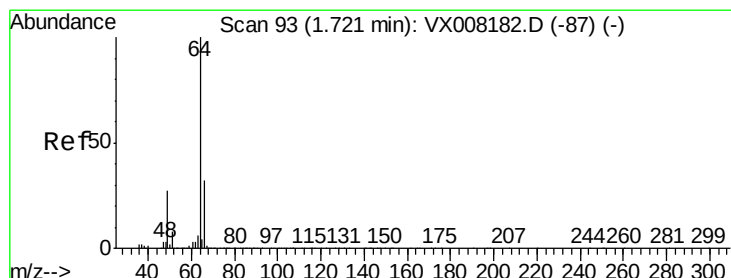
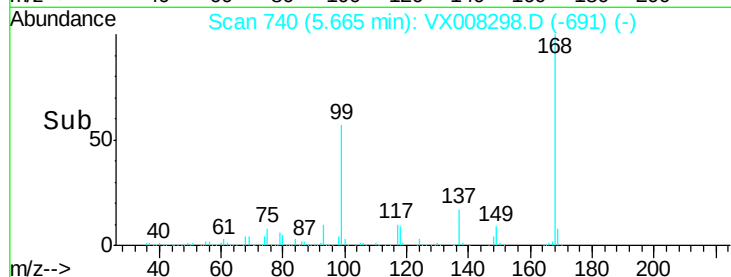
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.342 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX008298.D

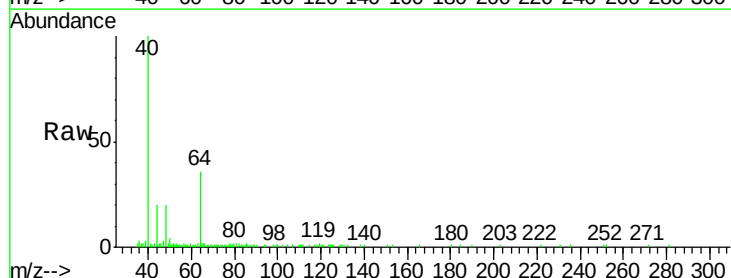
Acq: 21 Mar 2019 18:17

Tgt Ion: 64 Resp: 776

Ion Ratio Lower Upper

64 100

66 3.8 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

3000

2500

2000

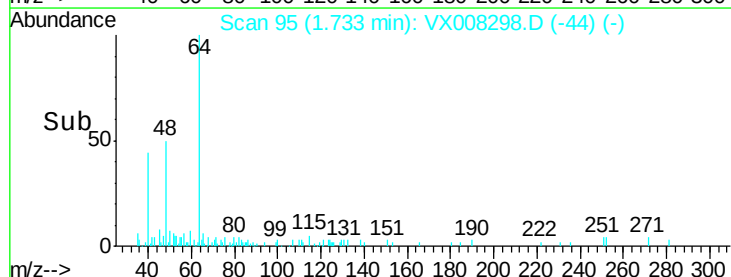
1500

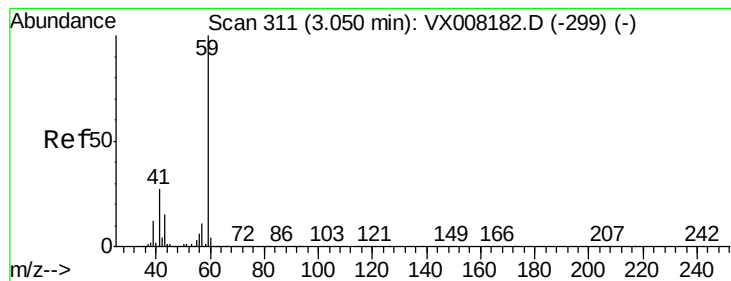
1000

500

0

Time--> 1.72 1.74 1.76



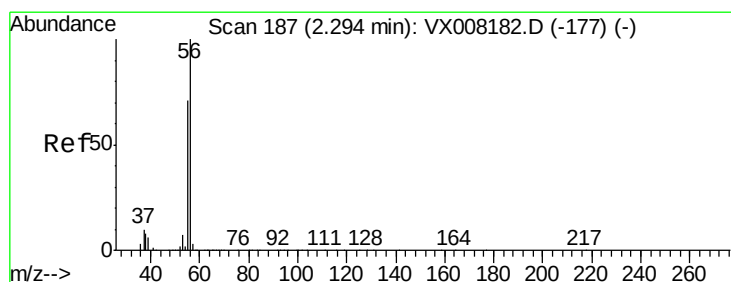
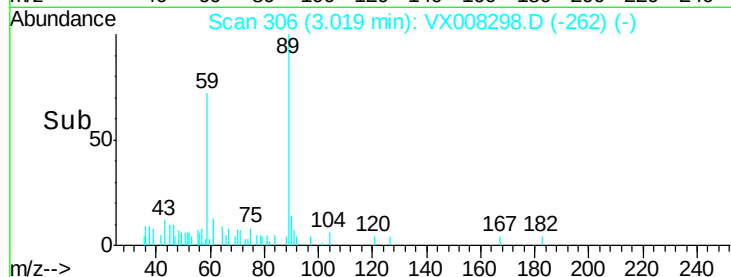
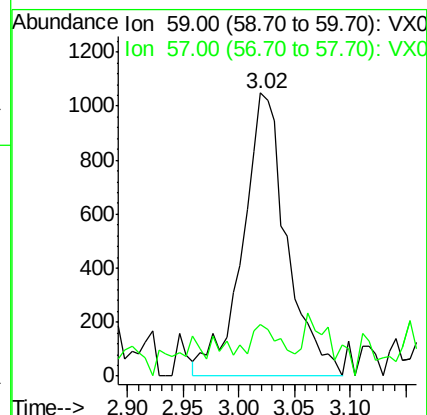
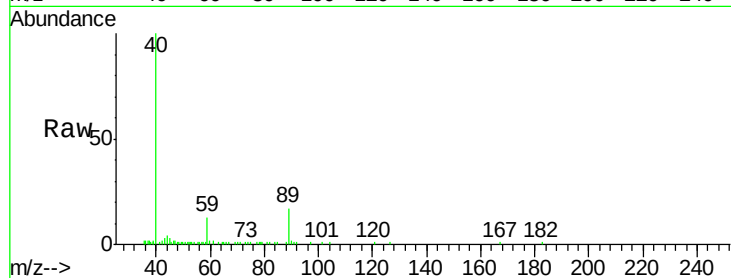


#11

Tert butyl alcohol
Concen: 3.758 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX008298.D
Acq: 21 Mar 2019 18:17

Instrument :
MSVOA_X
ClientSampleId :
BP-EB03-20190317

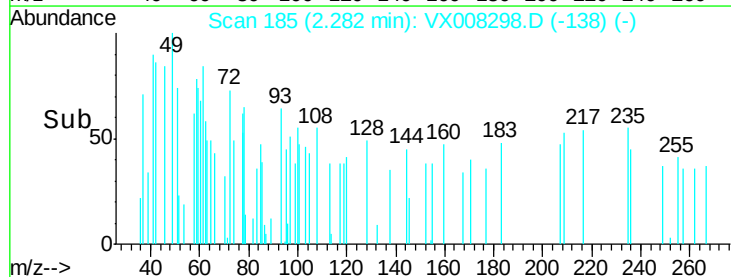
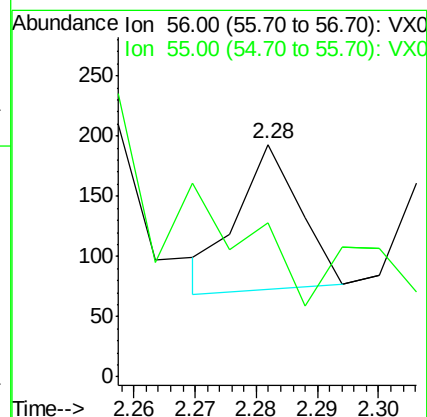
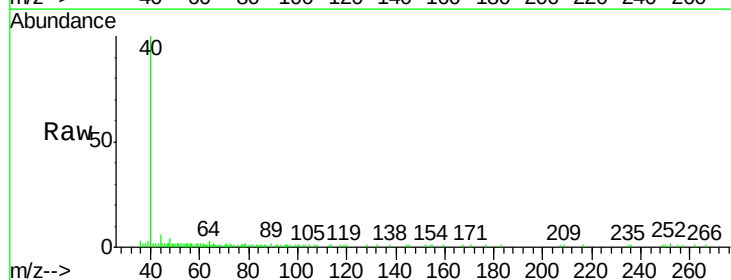
Tot Ion: 59 Resp: 2888
Ion Ratio Lower Upper
59 100
57 6.7 8.2 12.2#

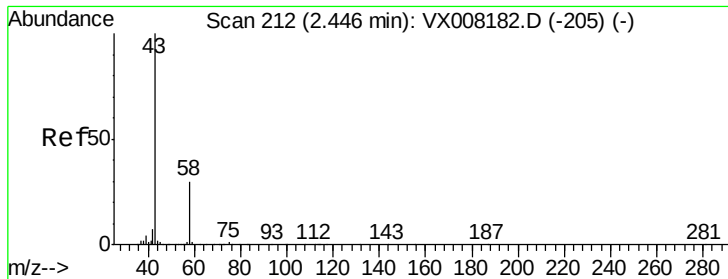


#13

Acrolein
Concen: Below Cal
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX008298.D
Acq: 21 Mar 2019 18:17

Tgt Ion: 56 Resp: 84
Ion Ratio Lower Upper
56 100
55 0.0 57.8 86.6#

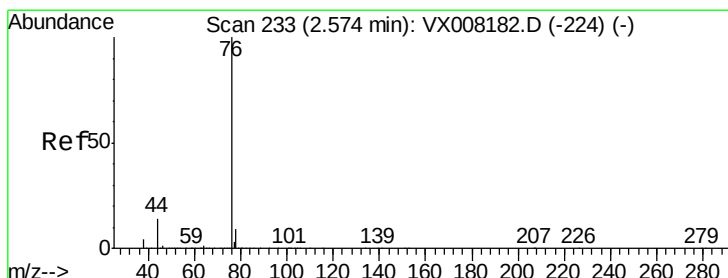
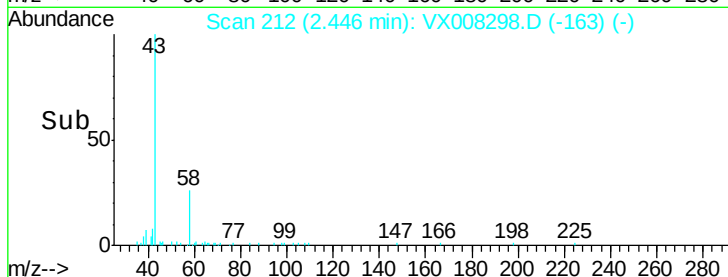
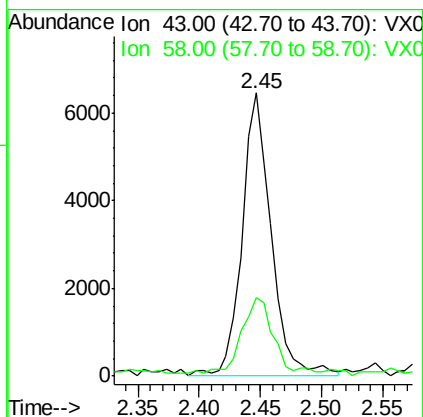
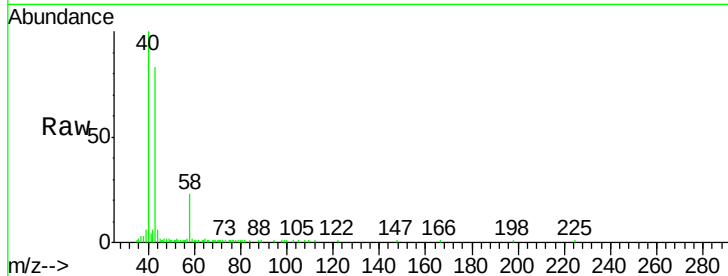




#16
Acetone
Concen: 5.251 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX008298.D
Acq: 21 Mar 2019 18:17

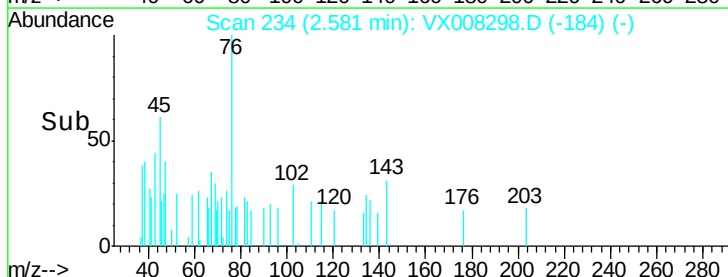
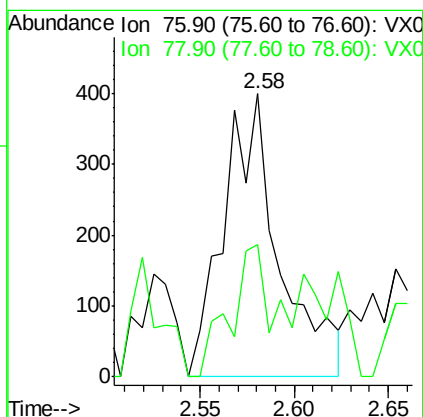
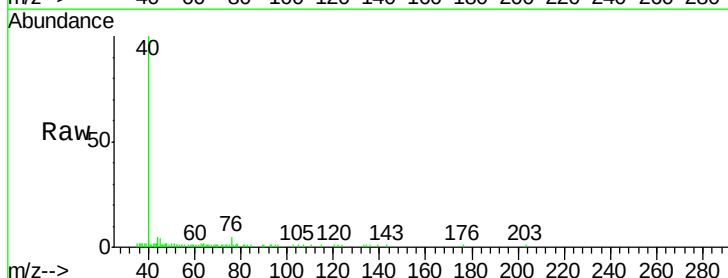
Instrument :
MSVOA_X
ClientSampleId :
BP-EB03-20190317

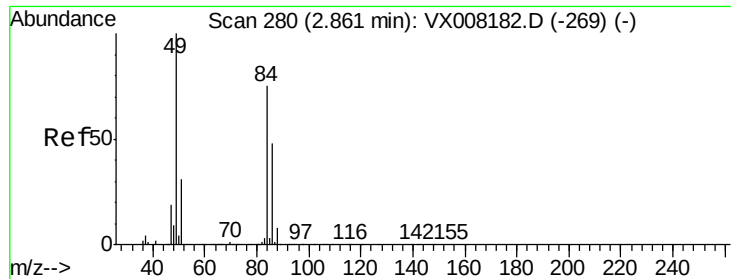
Tot Ion: 43 Resp: 10691
Ion Ratio Lower Upper
43 100
58 26.5 25.5 38.3



#17
Carbon Disulfide
Concen: 0.760 ug/l
RT: 2.58 min Scan# 234
Delta R.T. 0.01 min
Lab File: VX008298.D
Acq: 21 Mar 2019 18:17

Tgt Ion: 76 Resp: 815
Ion Ratio Lower Upper
76 100
78 62.4 7.2 10.8#

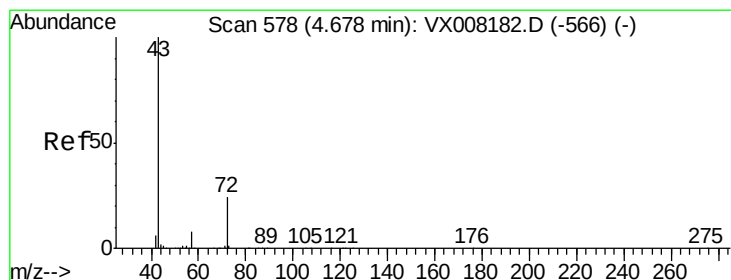
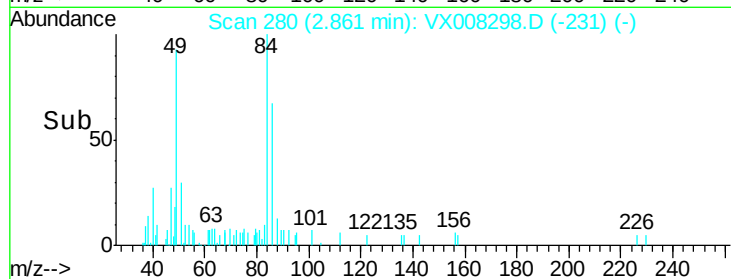
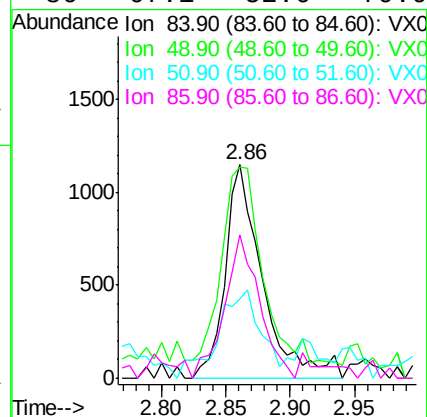
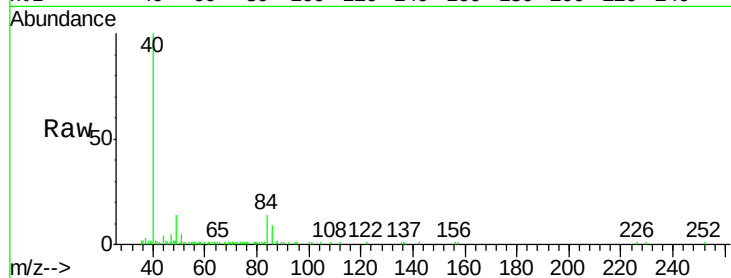




#20
Methylene Chloride
Concen: 0.684 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX008298.D
Acq: 21 Mar 2019 18:17

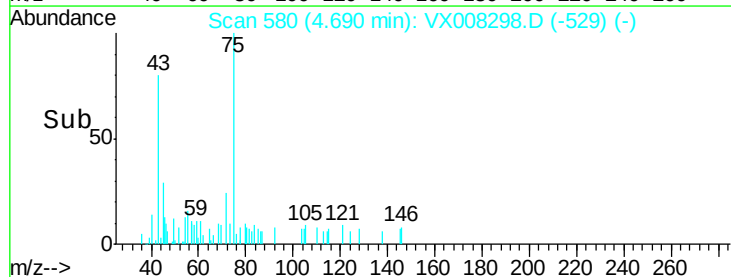
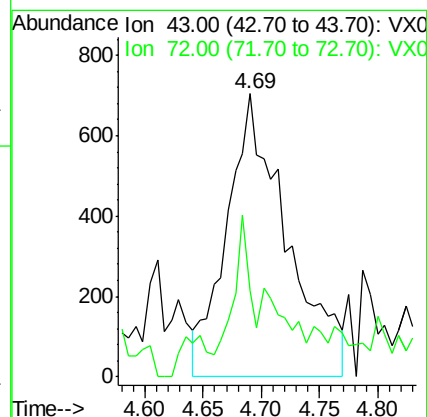
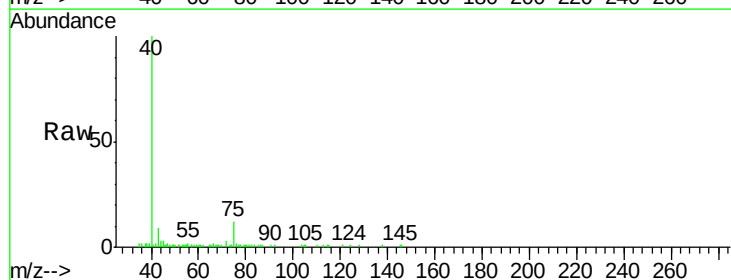
Instrument :
MSVOA_X
ClientSampleId :
BP-EB03-20190317

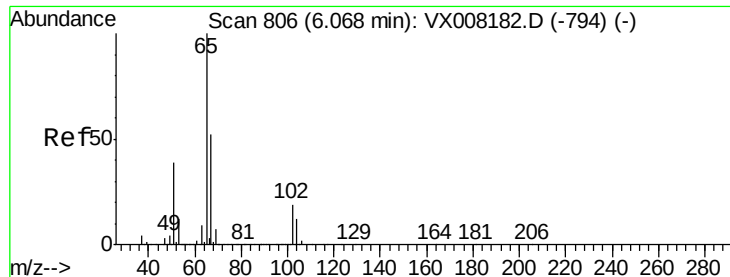
Tot Ion:	84	Resp:	2323
Ion	Ratio	Lower	Upper
84	100		
49	84.6	99.3	148.9#
51	28.6	31.3	46.9#
86	67.1	52.6	79.0



#25
2-Butanone
Concen: 0.840 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.01 min
Lab File: VX008298.D
Acq: 21 Mar 2019 18:17

Tgt Ion:	43	Resp:	2526
Ion	Ratio	Lower	Upper
43	100		
72	22.3	19.9	29.9

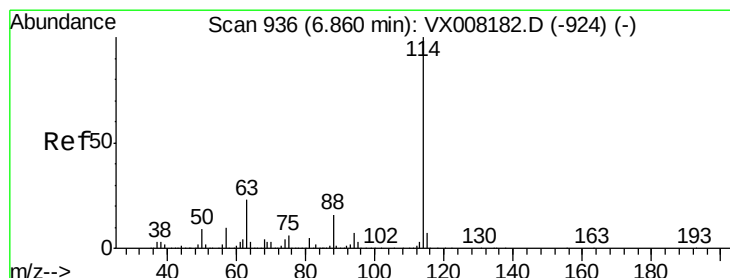
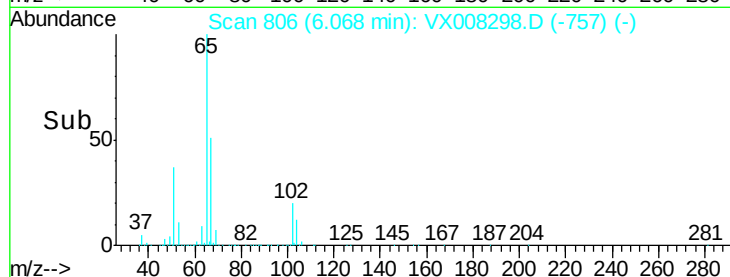
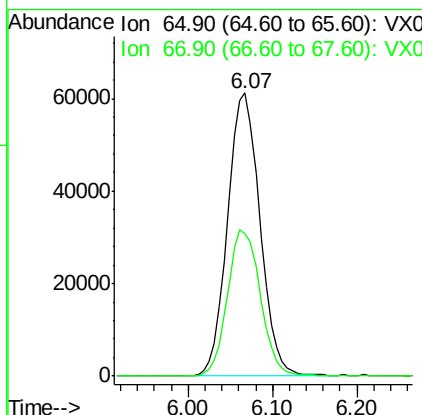
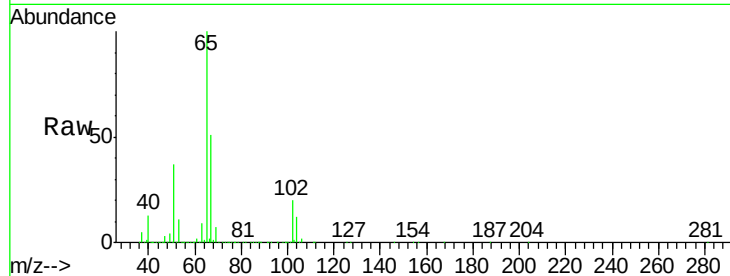




#33
 1,2-Dichloroethane-d4
 Concen: 44.419 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX008298.D
 Acq: 21 Mar 2019 18:17

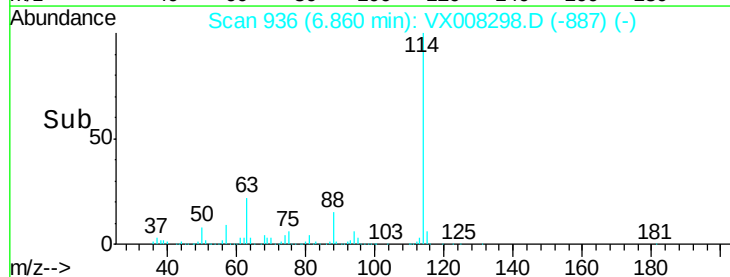
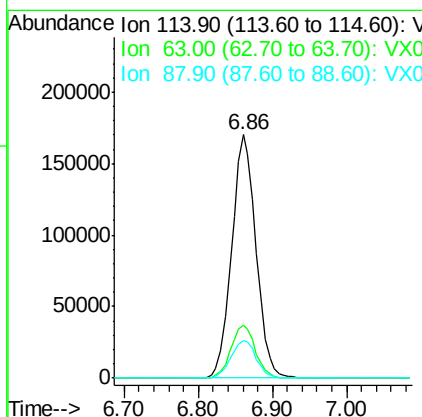
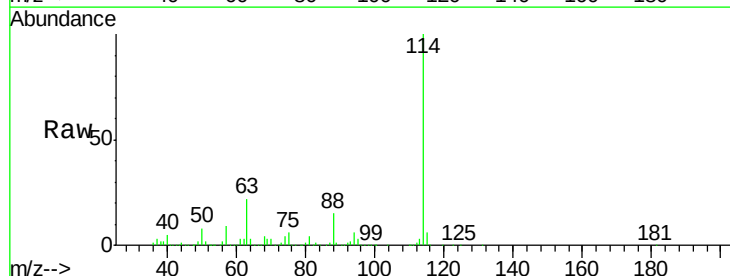
Instrument :
 MSVOA_X
 ClientSampleId :
 BP-EB03-20190317

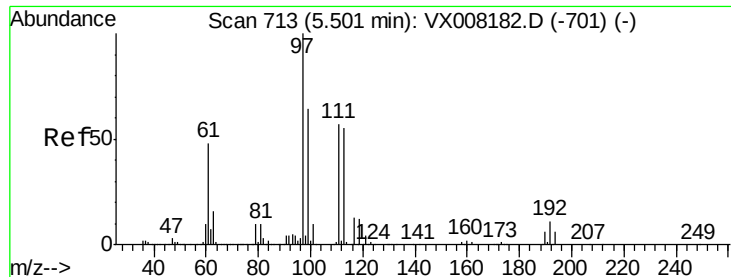
Tot Ion: 65 Resp: 159468
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008298.D
 Acq: 21 Mar 2019 18:17

Tgt Ion: 114 Resp: 387665
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 39.8
 88 15.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.456 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008298.D

Acq: 21 Mar 2019 18:17

Instrument :
MSVOA_X
ClientSampleId :
BP-EB03-20190317

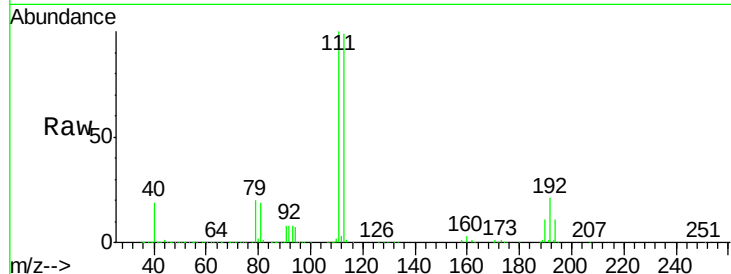
Tot Ion:113 Resp: 120561

Ion Ratio Lower Upper

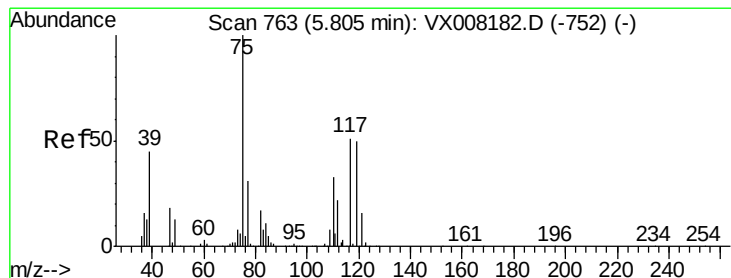
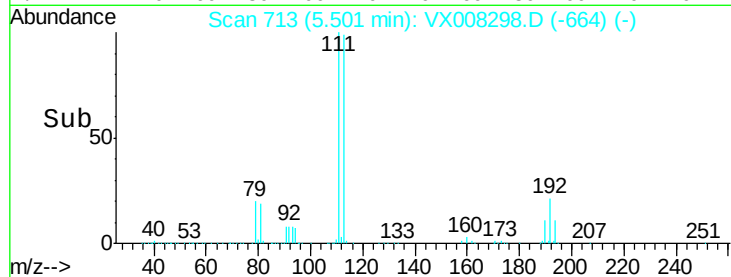
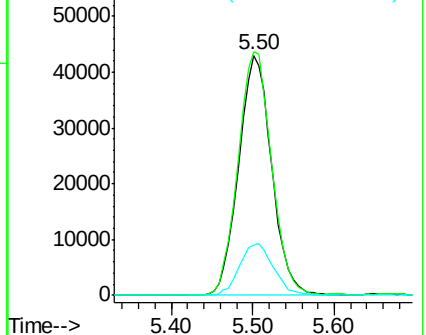
113 100

111 103.3 81.4 122.0

192 22.1 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: 4.155 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008298.D

Acq: 21 Mar 2019 18:17

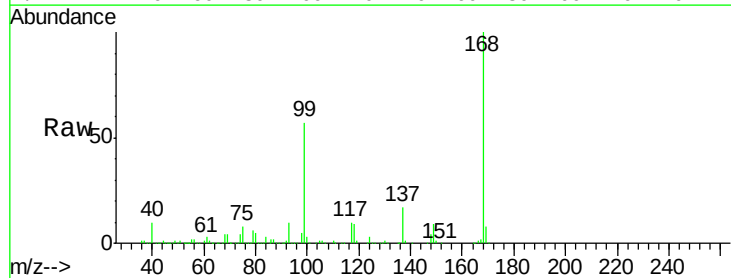
Tgt Ion: 75 Resp: 18753

Ion Ratio Lower Upper

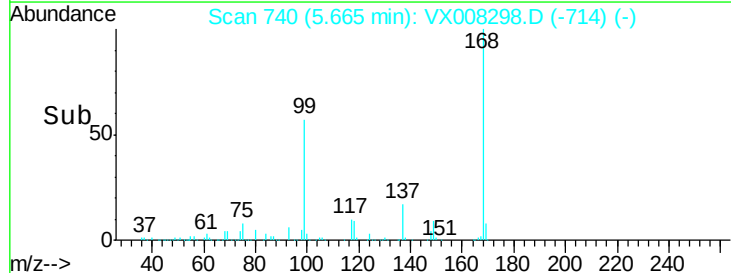
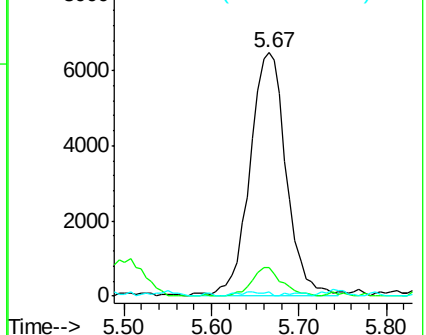
75 100

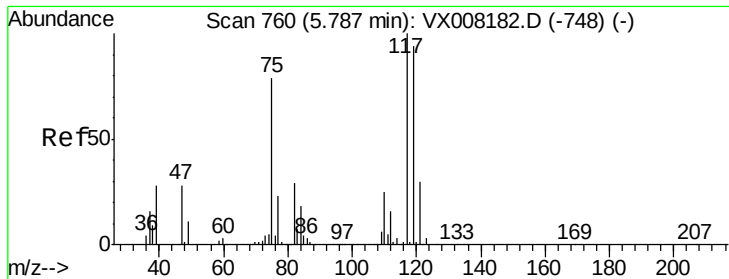
110 9.9 18.4 55.0#

77 1.5 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: 5.790 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008298.D

Acq: 21 Mar 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

BP-EB03-20190317

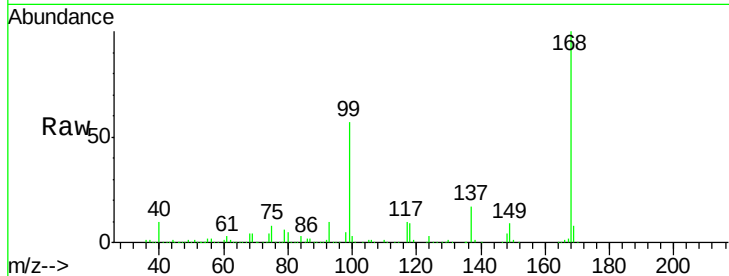
Tot Ion:117 Resp: 23283

Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.2#

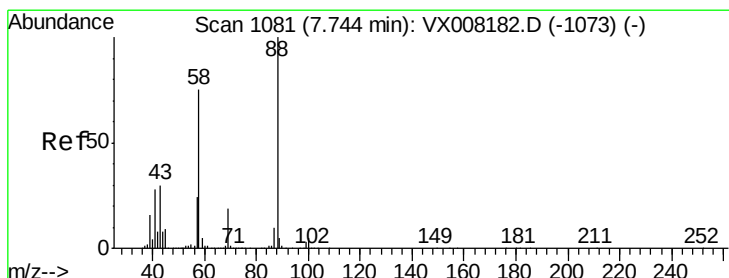
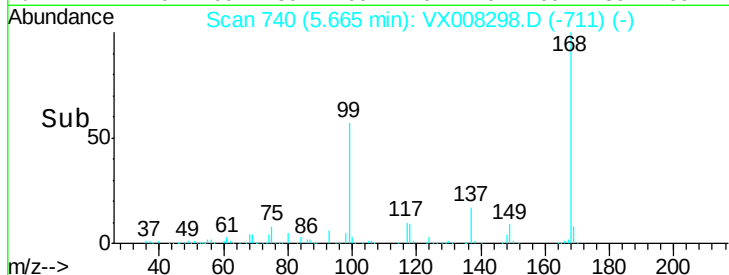
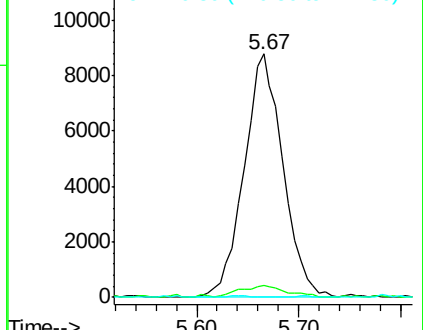
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 0.498 ug/l

RT: 7.75 min Scan# 1082

Delta R.T. 0.01 min

Lab File: VX008298.D

Acq: 21 Mar 2019 18:17

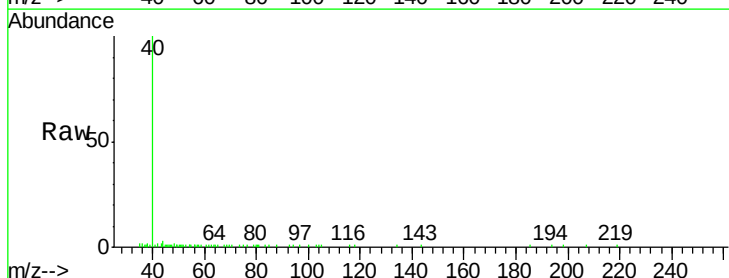
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 532.5 25.1 37.7#

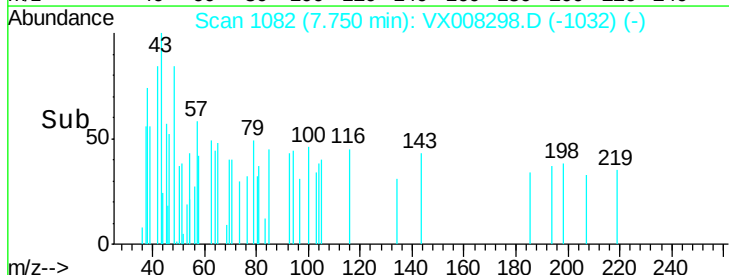
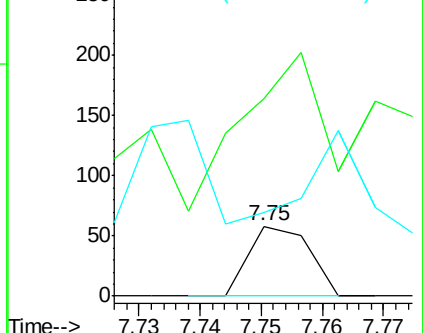
58 125.0 57.8 86.6#

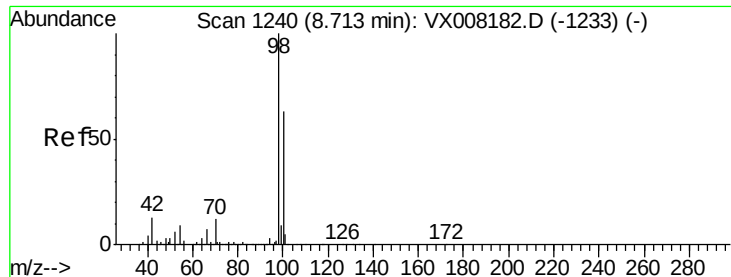


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

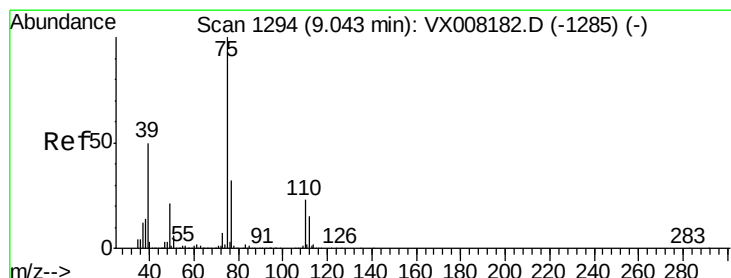
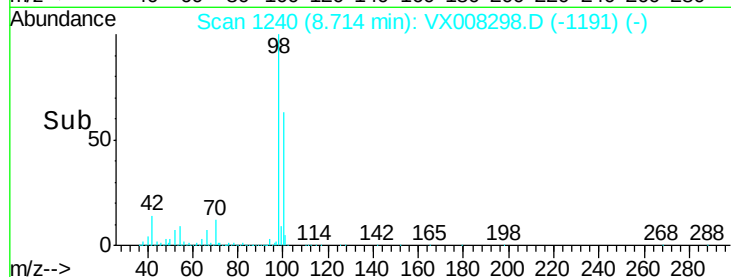
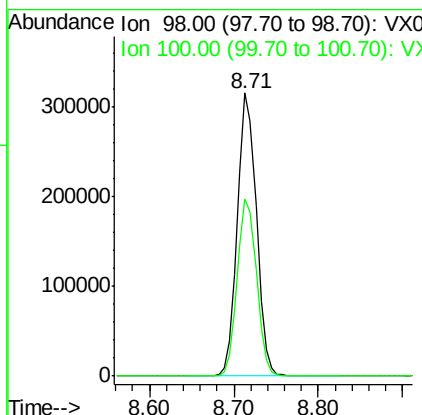
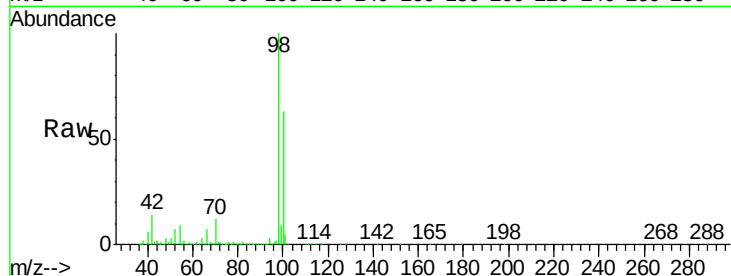




#50
Toluene-d8
Concen: 48.806 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008298.D
Acq: 21 Mar 2019 18:17

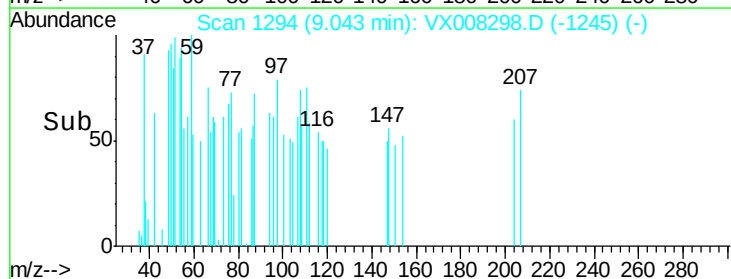
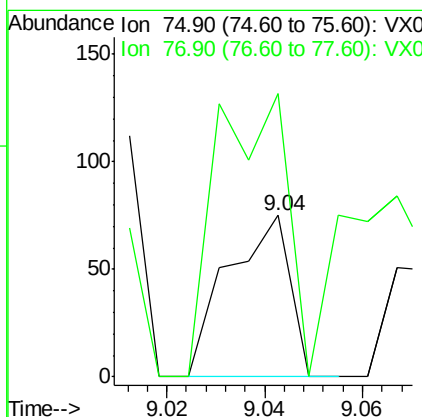
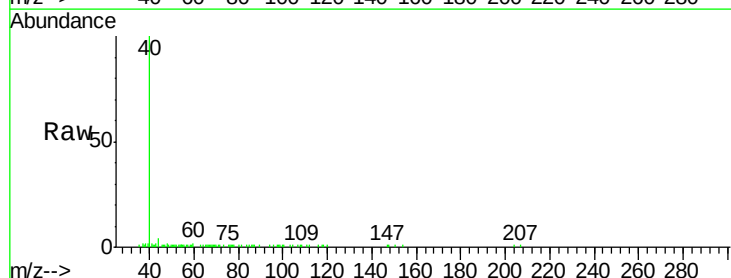
Instrument :
MSVOA_X
ClientSampleId :
BP-EB03-20190317

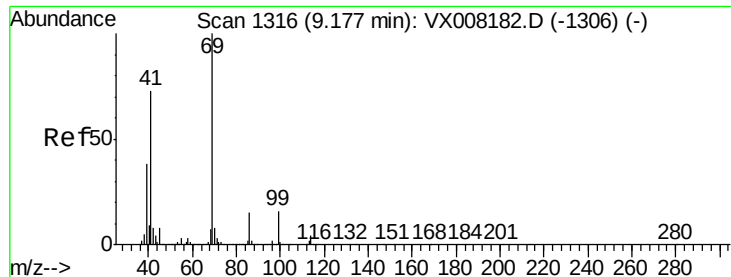
Tot Ion: 98 Resp: 480207
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.434 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX008298.D
Acq: 21 Mar 2019 18:17

Tgt Ion: 75 Resp: 66
Ion Ratio Lower Upper
75 100
77 176.0 25.4 38.0#





#56

Ethyl methacrylate

Concen: 0.543 ug/l

RT: 9.21 min Scan# 1321

Delta R.T. 0.03 min

Lab File: VX008298.D

Acq: 21 Mar 2019 18:17

Instrument :

MSVOA_X

ClientSampleId :

BP-EB03-20190317

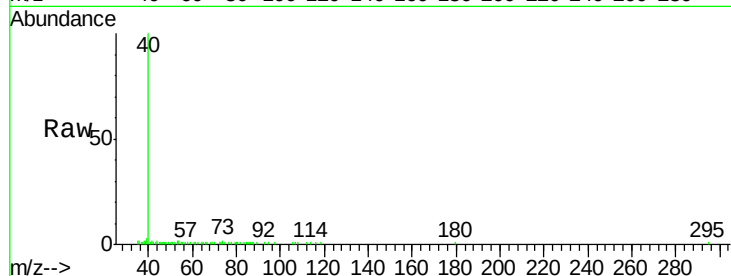
Tot Ion: 69 Resp: 97

Ion Ratio Lower Upper

69 100

41 115.5 54.2 81.4#

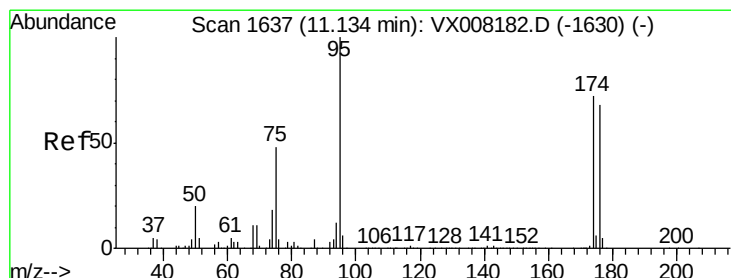
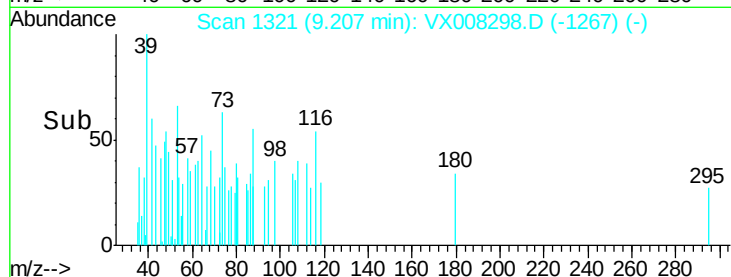
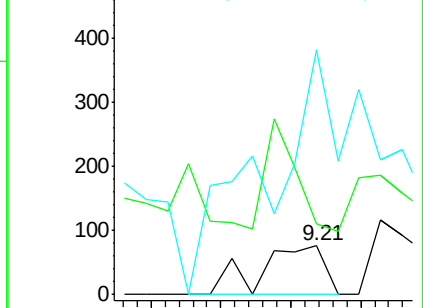
39 937.1 25.0 37.4#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.447 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008298.D

Acq: 21 Mar 2019 18:17

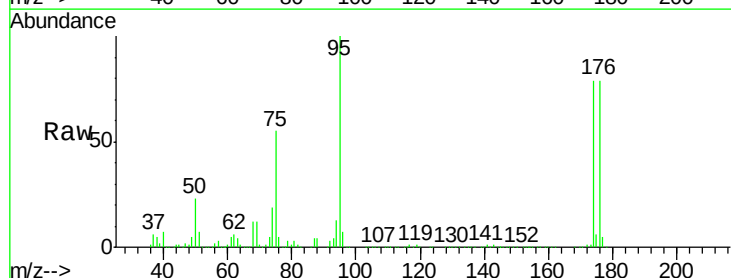
Tgt Ion: 95 Resp: 153967

Ion Ratio Lower Upper

95 100

174 82.7 0.0 182.8

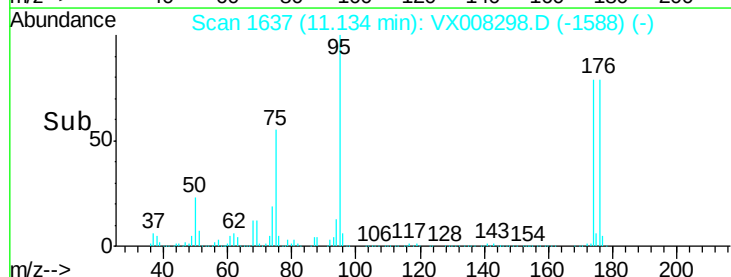
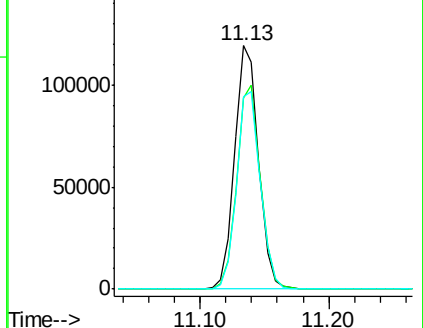
176 80.8 0.0 178.0

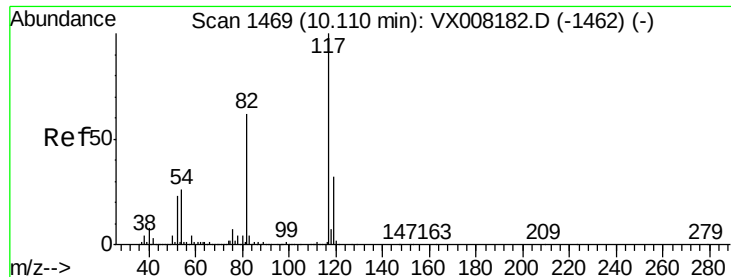


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

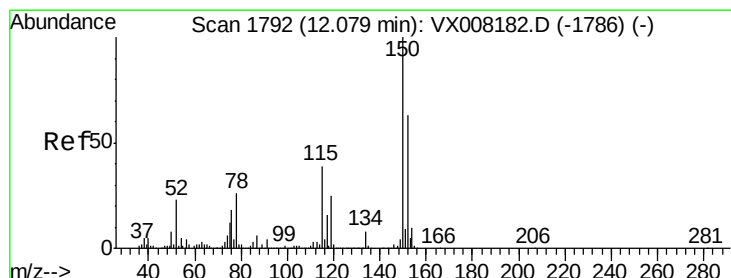
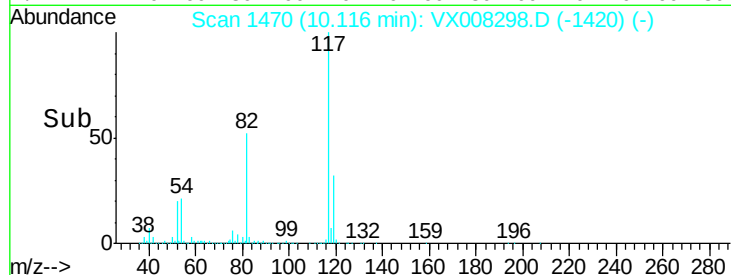
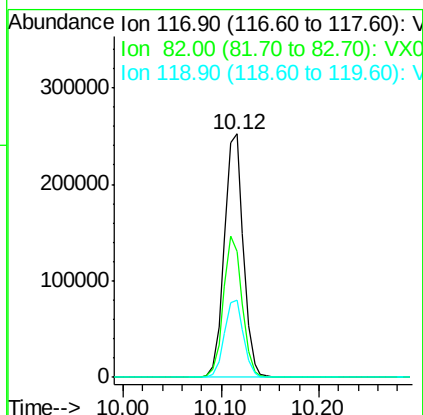
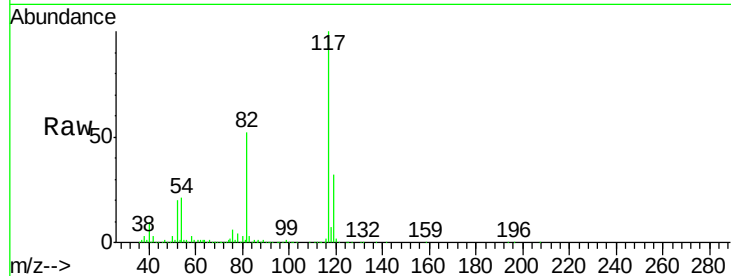




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008298.D
Acq: 21 Mar 2019 18:17

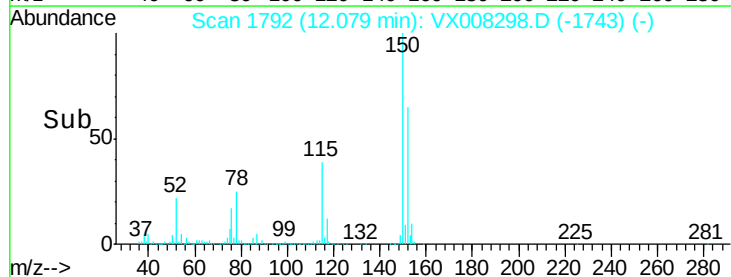
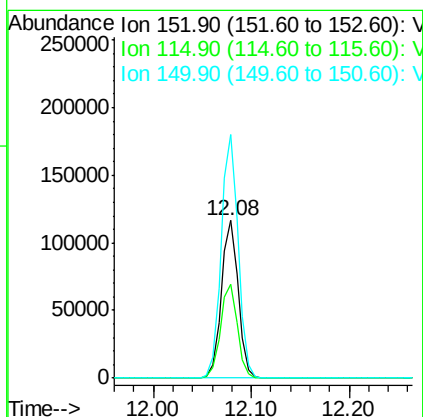
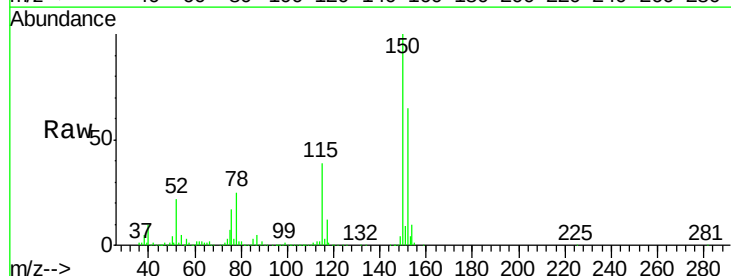
Instrument :
MSVOA_X
ClientSampleId :
BP-EB03-20190317

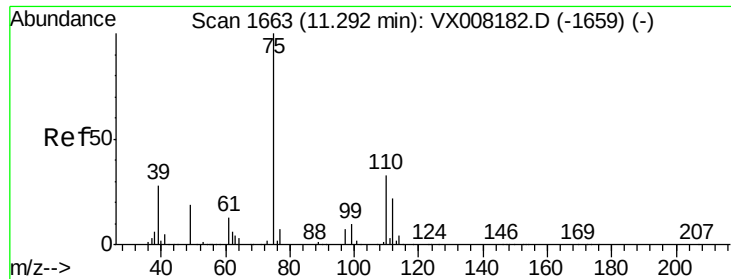
Tot Ion	Ratio	Lower	Upper
117	100		
82	51.9	44.3	66.5
119	31.9	25.3	37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008298.D
Acq: 21 Mar 2019 18:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	38.6	115.7
150	156.0	0.0	348.4

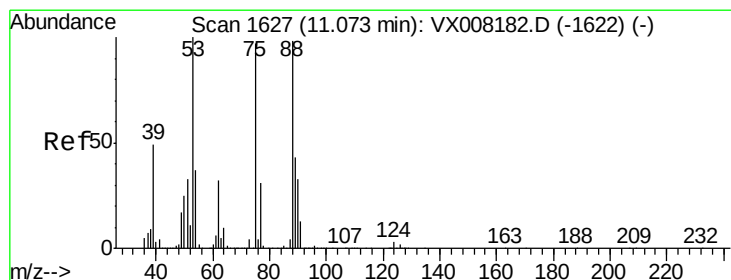
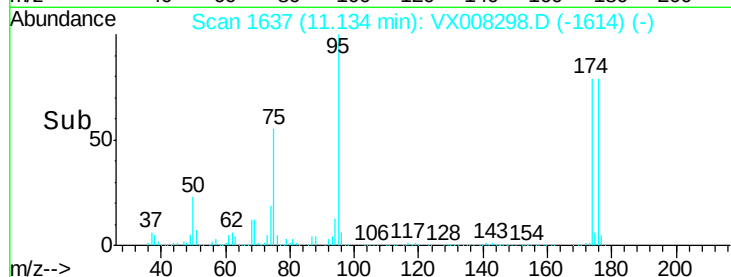
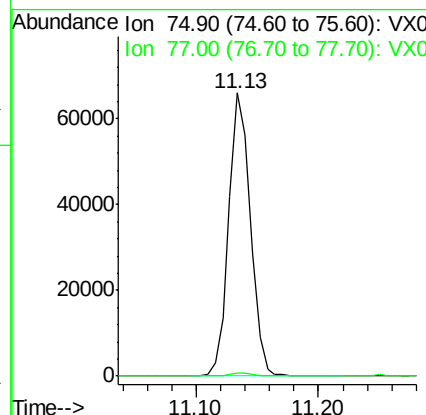
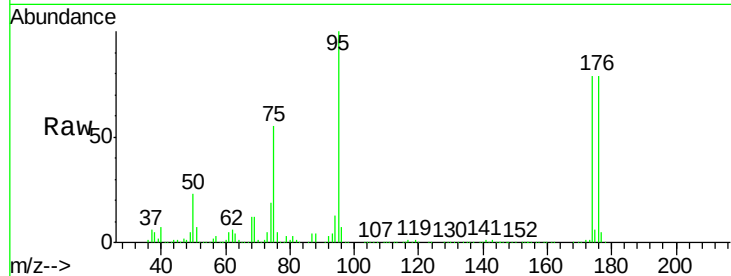




#76
 1,2,3-Trichloropropane
 Concen: 20.918 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008298.D
 Acq: 21 Mar 2019 18:17

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-EB03-20190317

Tot Ion: 75 Resp: 81341
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.231 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008298.D
 Acq: 21 Mar 2019 18:17

Tgt Ion: 75 Resp: 81341
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.1 114.1#
 89 0.1 36.3 54.5#

