

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\
 Data File : VX008302.D
 Acq On : 21 Mar 2019 19:57
 Operator : JC/SP
 Sample : K1937-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW309I-20190313

Quant Time: Mar 22 08:46:47 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	222753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	354533	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	314314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	129567	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	143017	42.63	ug/l	0.00
Spiked Amount			Recovery	=	85.26%	
35) Dibromofluoromethane	5.50	113	108342	45.65	ug/l	0.00
Spiked Amount			Recovery	=	91.30%	
50) Toluene-d8	8.71	98	433449	48.17	ug/l	0.00
Spiked Amount			Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.13	95	139201	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	

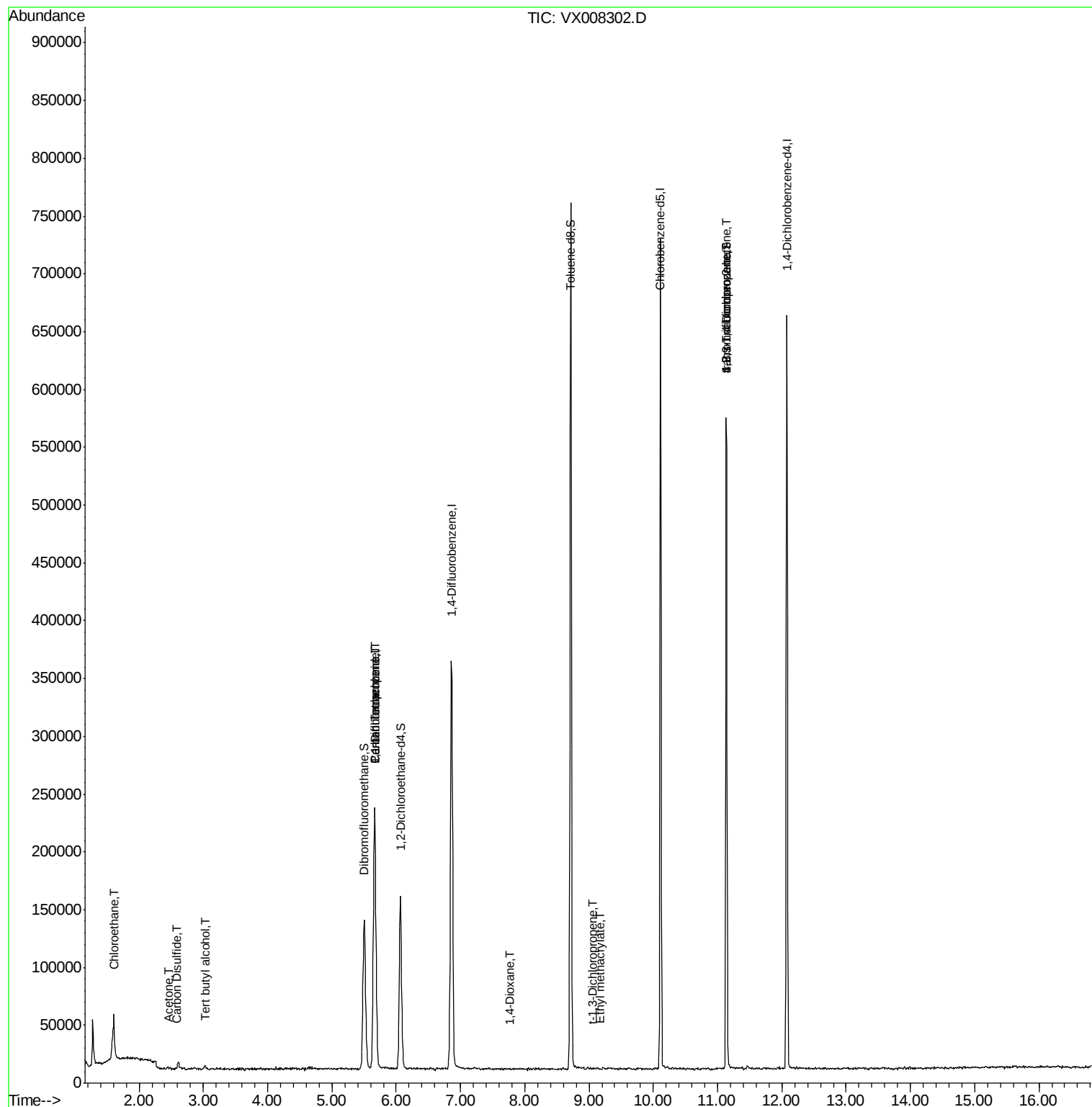
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.61	64	33385	15.759	ug/l #	50
11) Tert butyl alcohol	3.02	59	2094	2.916	ug/l #	81
13) Acrolein	2.29	56	181	Below Cal		94
16) Acetone	2.45	43	2123	1.116	ug/l #	76
17) Carbon Disulfide	2.58	76	454	0.726	ug/l #	84
36) 1,1-Dichloropropene	5.67	75	16312	3.952	ug/l #	52
38) Carbon Tetrachloride	5.67	117	20761	5.645	ug/l #	17
49) 1,4-Dioxane	7.76	88	78	1.063	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	152	1.452	ug/l #	58
56) Ethyl methacrylate	9.16	69	242	0.572	ug/l #	77
76) 1,2,3-Trichloropropane	11.13	75	74283	20.384	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	74283	51.908	ug/l #	12

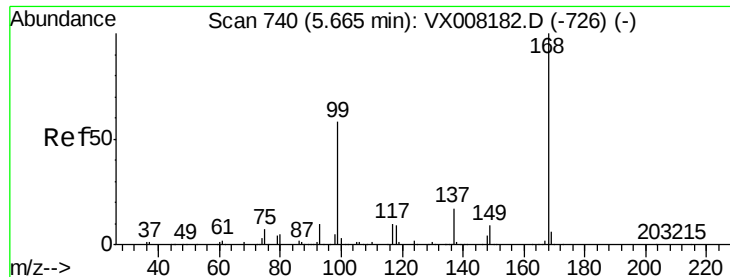
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Mar 19 13:15:13 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: VX008302.D

Acq: 21 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

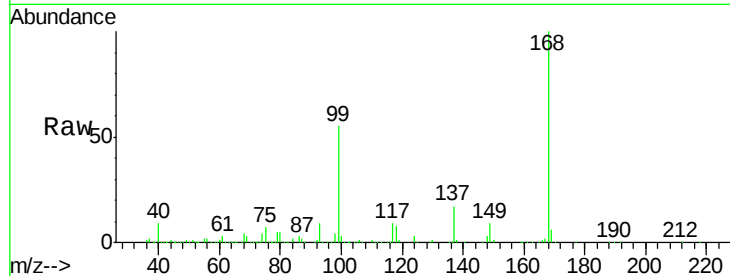
BPS1-TT-MW309I-20190313

Tot Ion:168 Resp: 222753

Ion Ratio Lower Upper

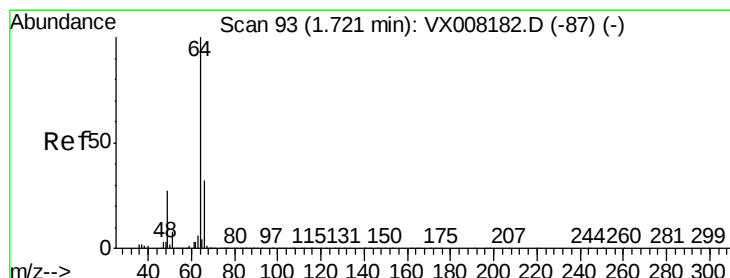
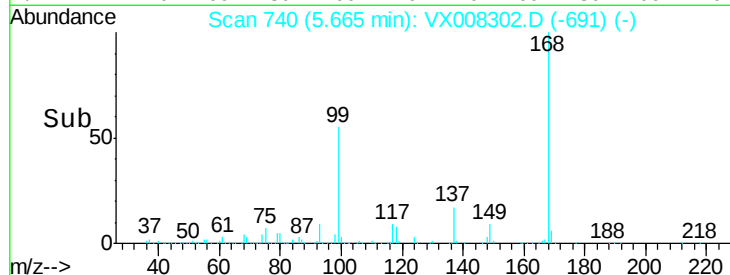
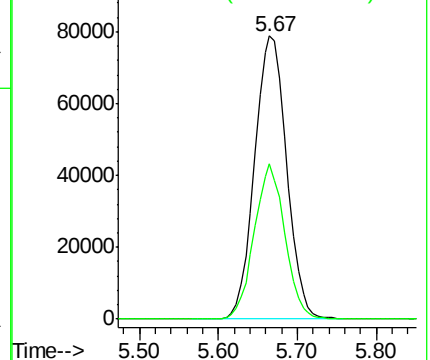
168 100

99 54.7 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: 15.759 ug/l

RT: 1.61 min Scan# 75

Delta R.T. -0.11 min

Lab File: VX008302.D

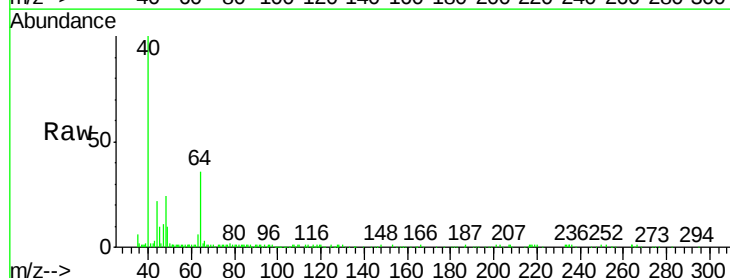
Acq: 21 Mar 2019 19:57

Tgt Ion: 64 Resp: 33385

Ion Ratio Lower Upper

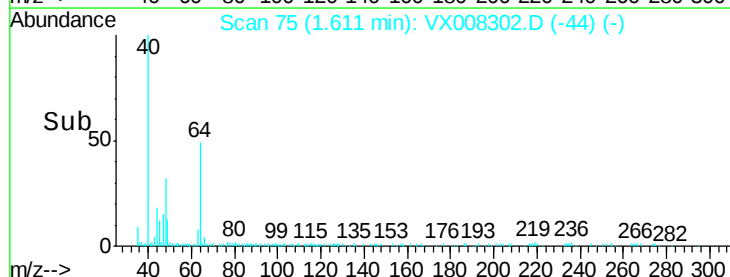
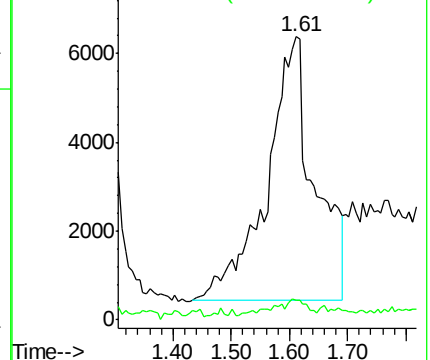
64 100

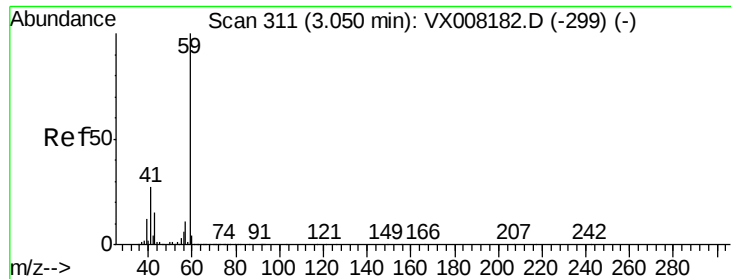
66 3.8 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



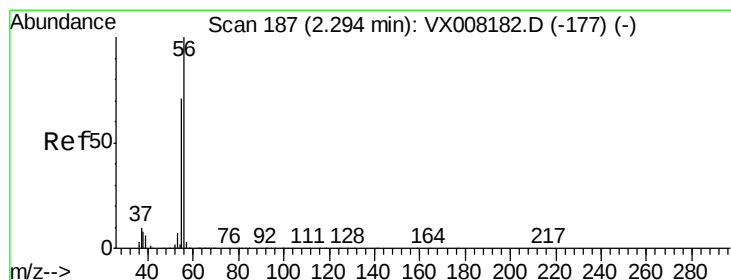
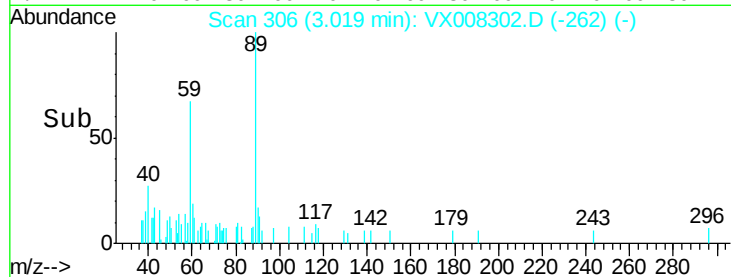
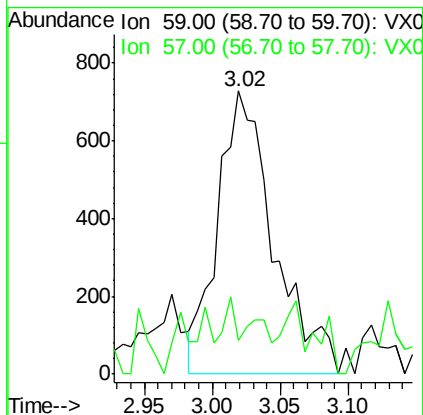
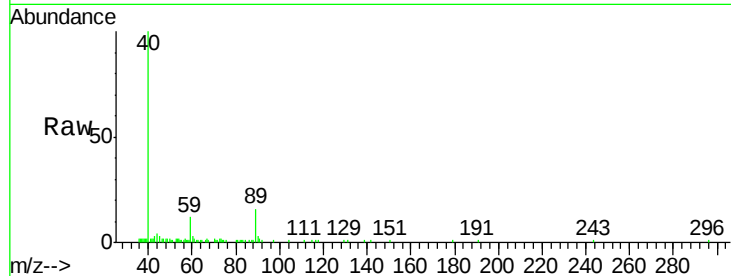


#11

Tert butyl alcohol
 Concen: 2.916 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX008302.D
 Acq: 21 Mar 2019 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW309I-20190313

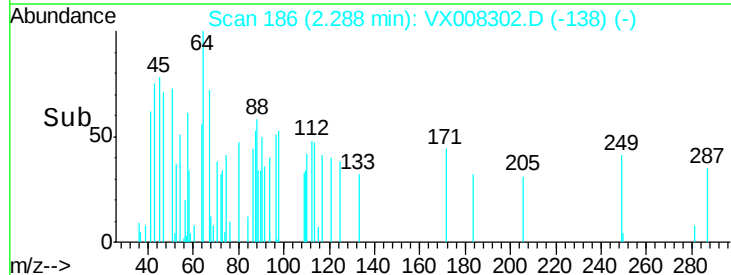
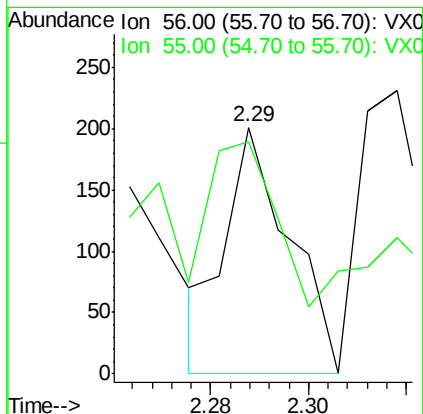
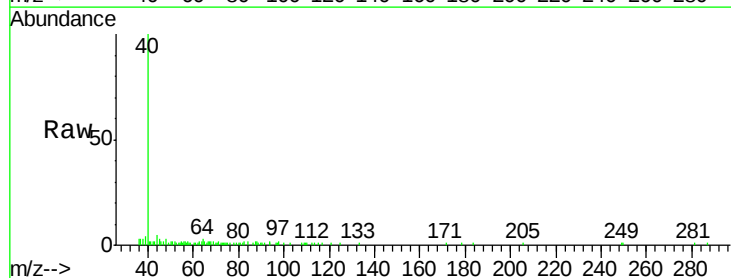
Tot Ion: 59 Resp: 2094
 Ion Ratio Lower Upper
 59 100
 57 3.2 8.2 12.2#

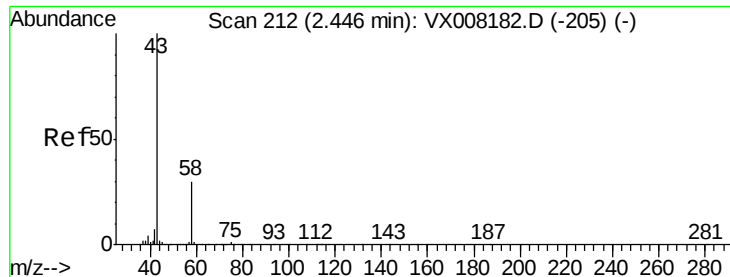


#13

Acrolein
 Concen: Below Cal
 RT: 2.29 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VX008302.D
 Acq: 21 Mar 2019 19:57

Tgt Ion: 56 Resp: 181
 Ion Ratio Lower Upper
 56 100
 55 67.4 57.8 86.6





#16

Acetone

Concen: 1.116 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX008302.D

Acq: 21 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

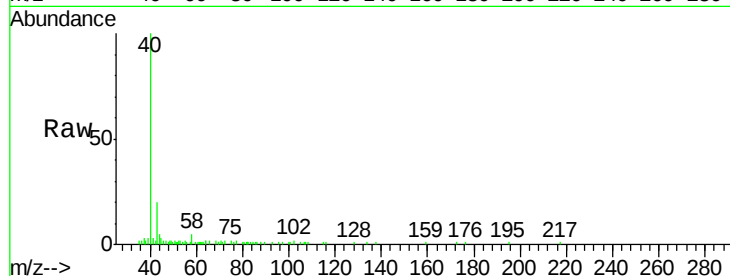
BPS1-TT-MW309I-20190313

Tot Ion: 43 Resp: 2123

Ion Ratio Lower Upper

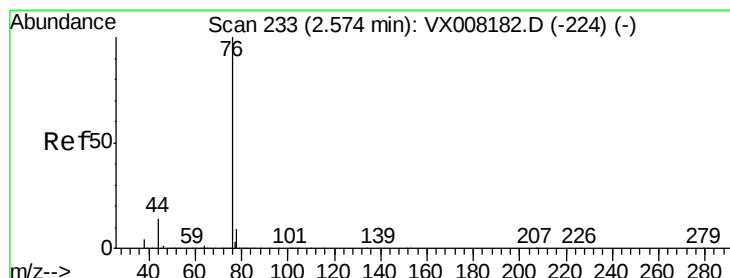
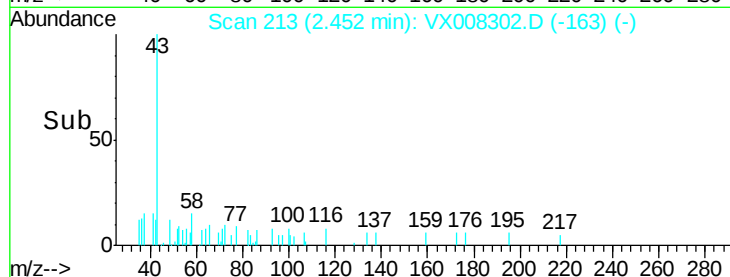
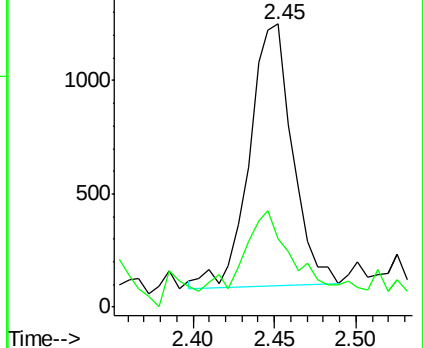
43 100

58 18.3 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.726 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008302.D

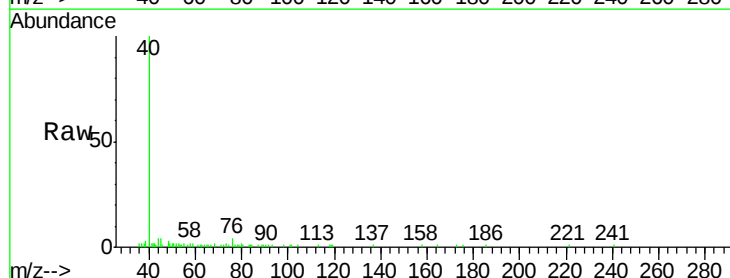
Acq: 21 Mar 2019 19:57

Tgt Ion: 76 Resp: 454

Ion Ratio Lower Upper

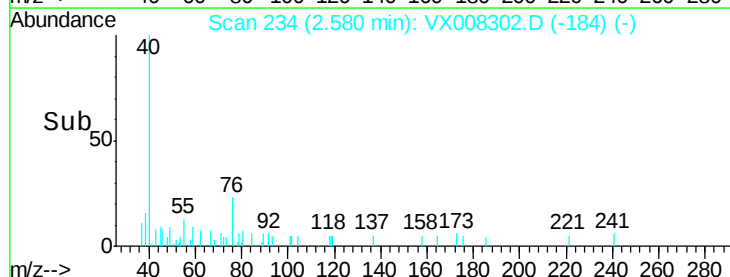
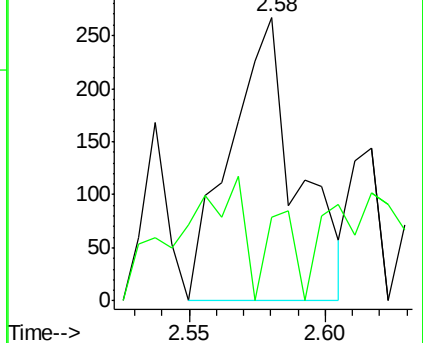
76 100

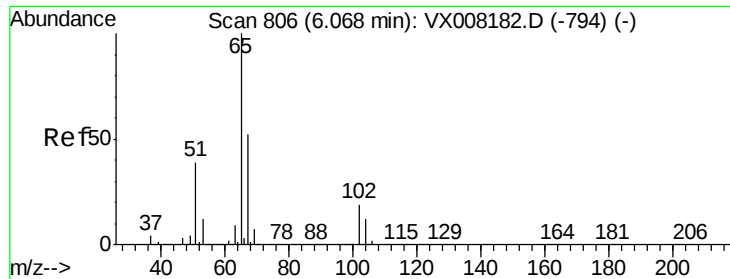
78 3.3 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 42.630 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX008302.D

Acq: 21 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

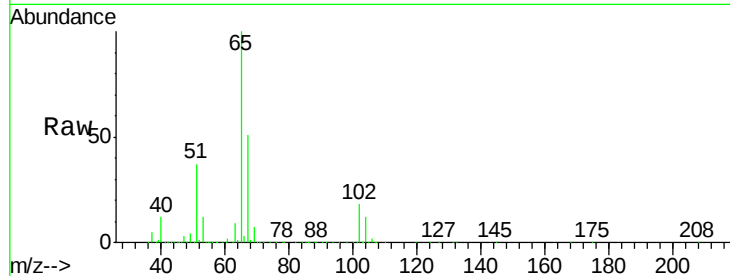
BPS1-TT-MW309I-20190313

Tot Ion: 65 Resp: 143017

Ion Ratio Lower Upper

65 100

67 52.1 0.0 110.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

60000

50000

40000

30000

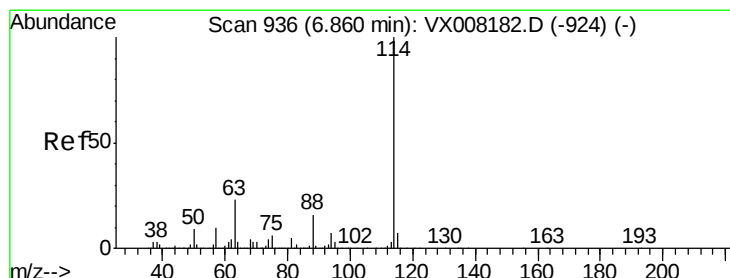
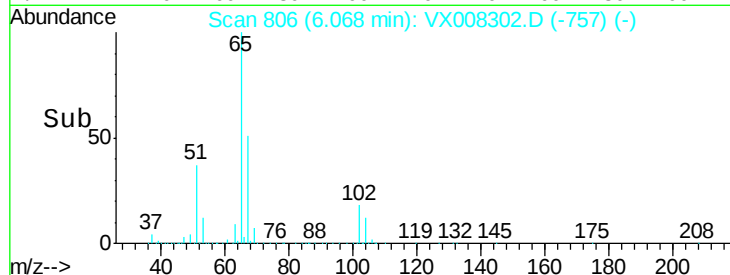
20000

10000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX008302.D

Acq: 21 Mar 2019 19:57

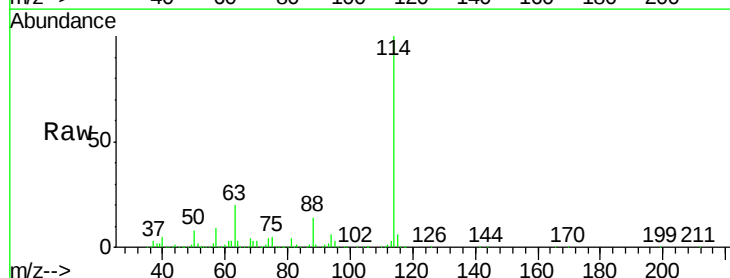
Tgt Ion: 114 Resp: 354533

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.8

88 14.1 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

200000

150000

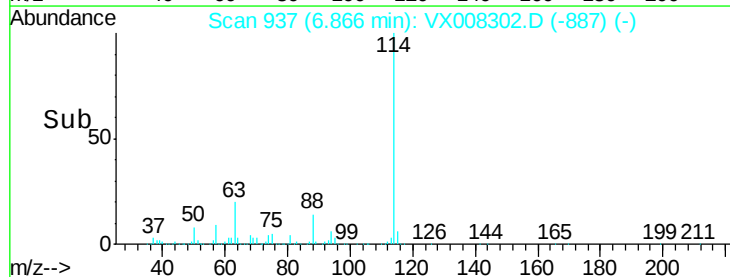
100000

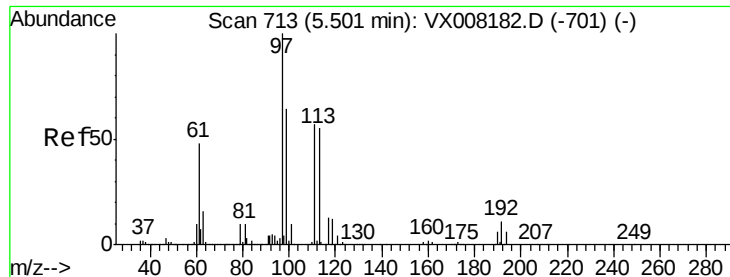
50000

0

Time-->

6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 45.649 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008302.D

Acq: 21 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309I-20190313

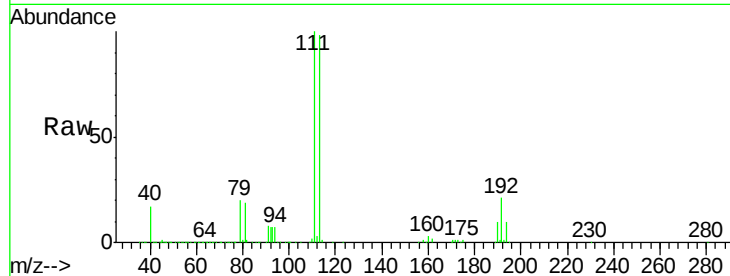
Tot Ion:113 Resp: 108342

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

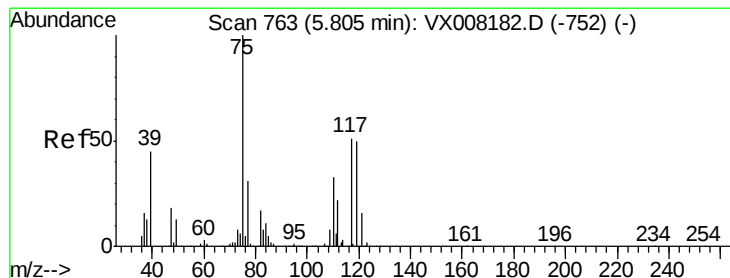
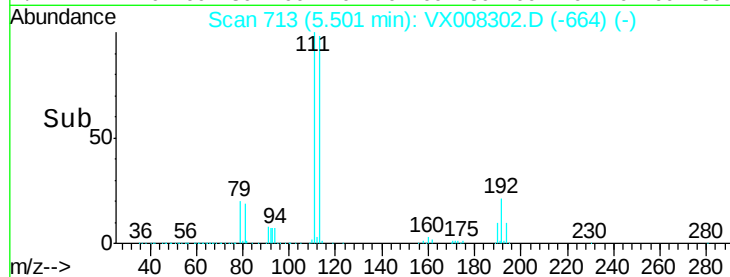
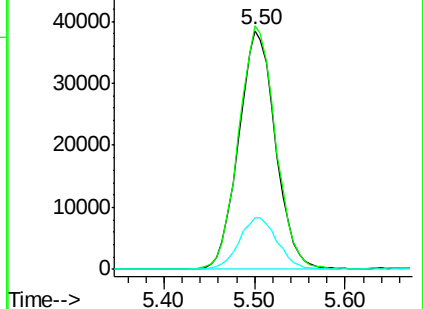
192 22.3 19.4 29.0



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: 3.952 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008302.D

Acq: 21 Mar 2019 19:57

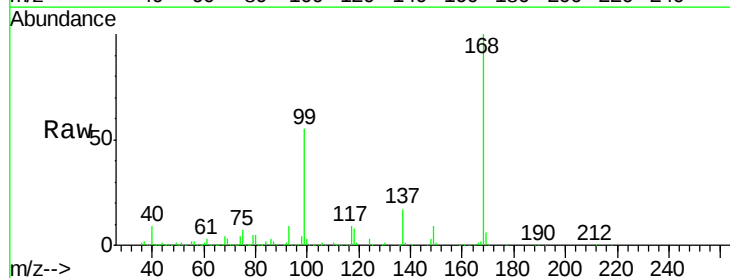
Tgt Ion: 75 Resp: 16312

Ion Ratio Lower Upper

75 100

110 10.8 18.4 55.0#

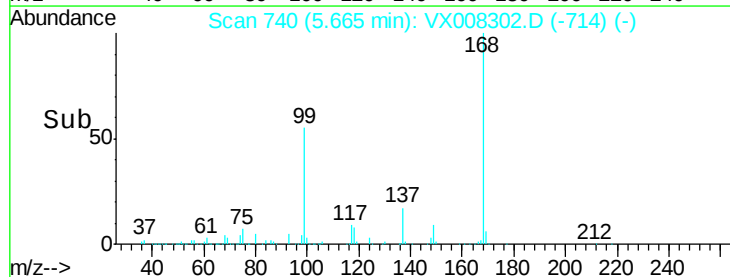
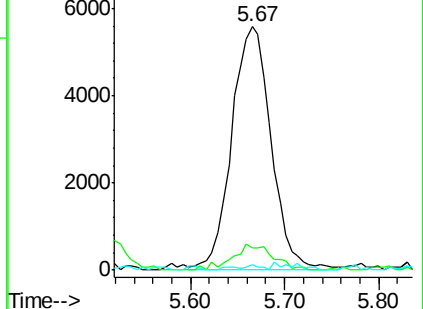
77 1.3 25.0 37.4#

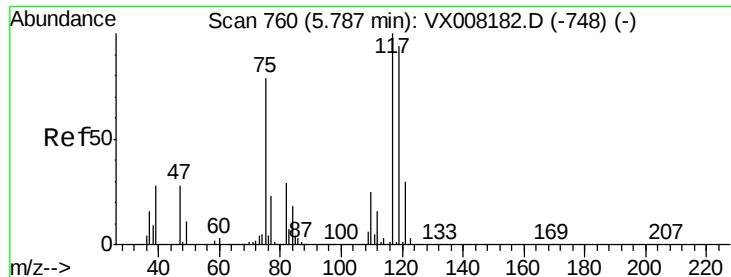


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.645 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008302.D

Acq: 21 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309I-20190313

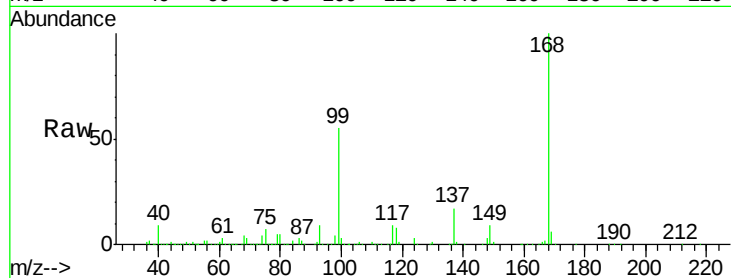
Tot Ion:117 Resp: 20761

Ion Ratio Lower Upper

117 100

119 6.3 76.2 114.2#

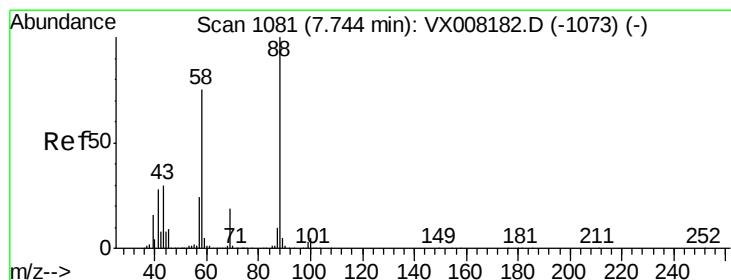
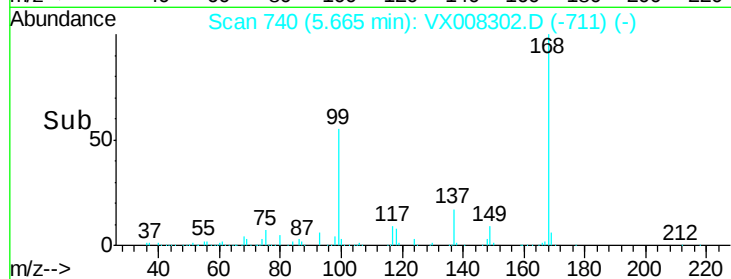
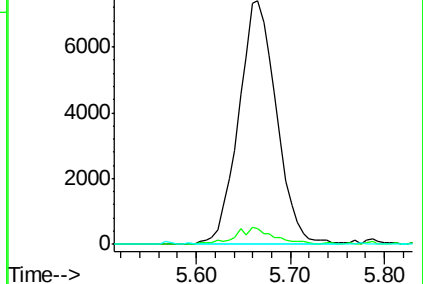
121 0.0 24.6 36.8#



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: 1.063 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX008302.D

Acq: 21 Mar 2019 19:57

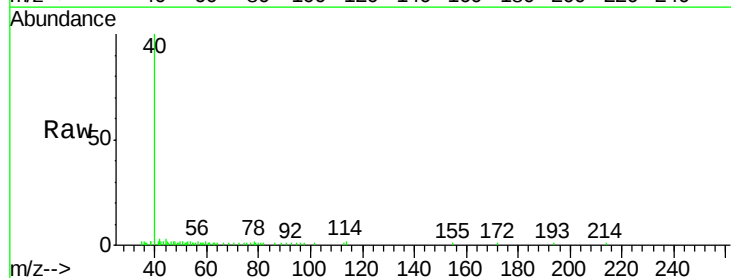
Tgt Ion: 88 Resp: 78

Ion Ratio Lower Upper

88 100

43 0.0 25.1 37.7#

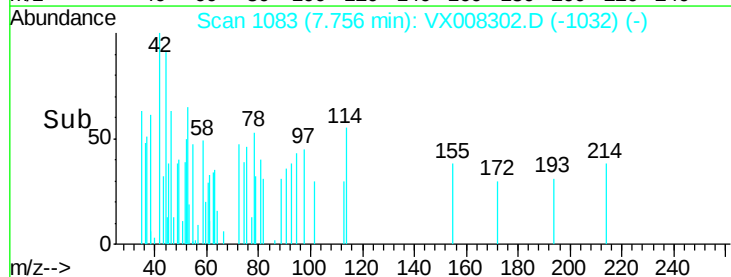
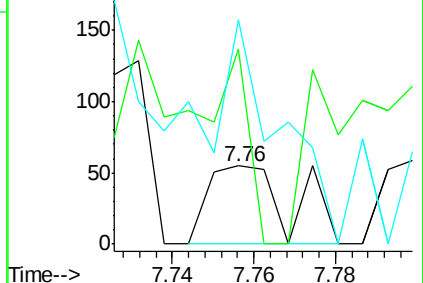
58 179.5 57.8 86.6#

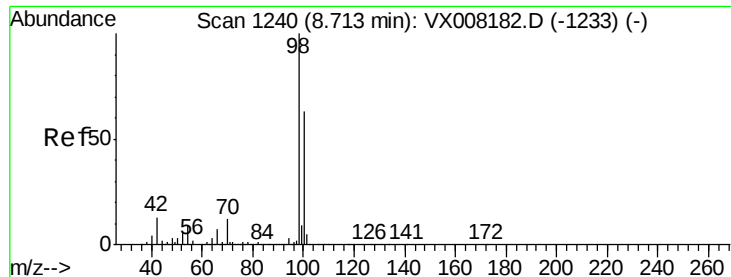


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 48.170 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008302.D

Acq: 21 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

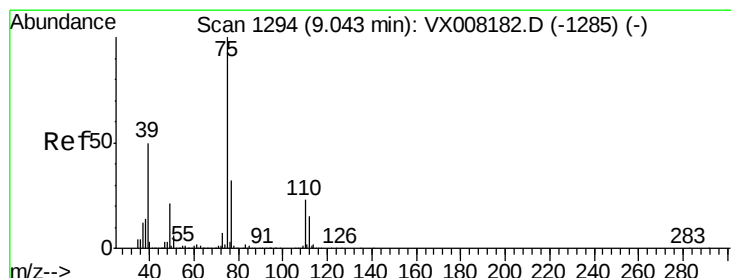
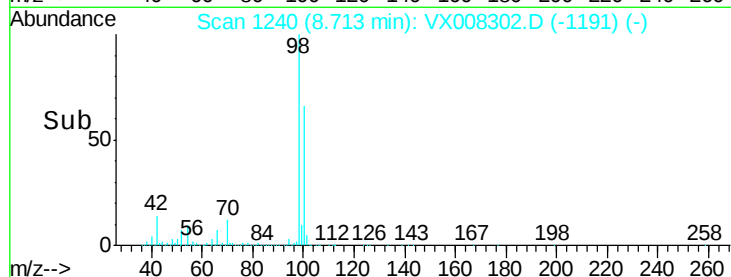
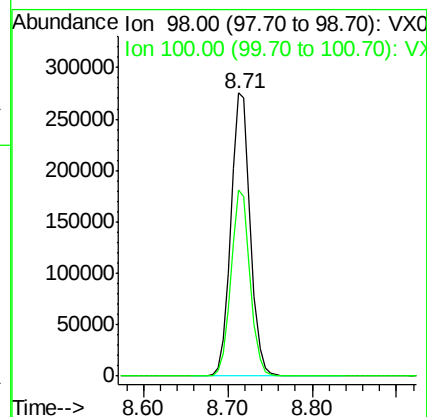
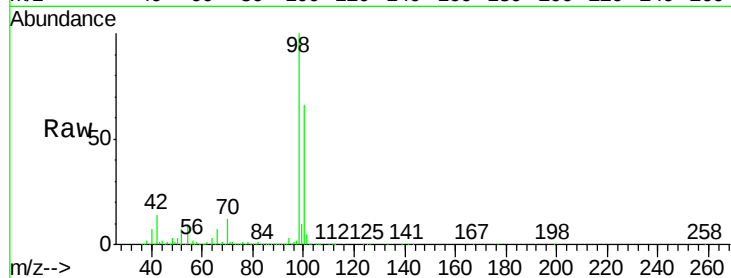
BPS1-TT-MW309I-20190313

Tot Ion: 98 Resp: 433449

Ion Ratio Lower Upper

98 100

100 64.5 51.7 77.5



#53

t-1,3-Dichloropropene

Concen: 1.452 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX008302.D

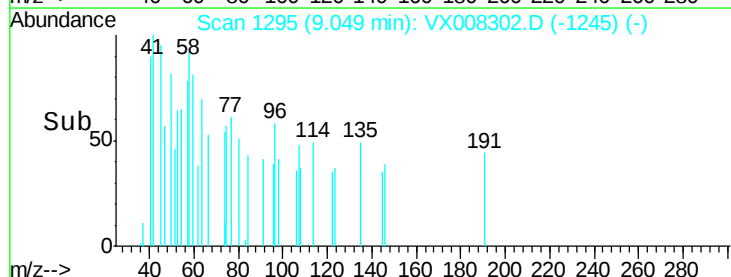
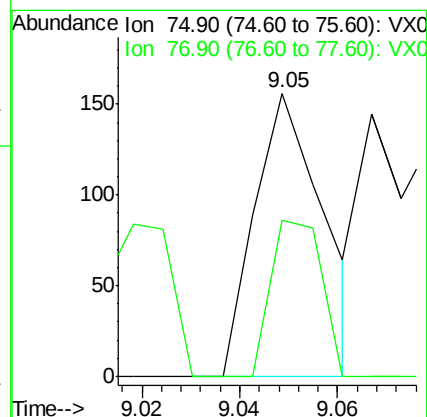
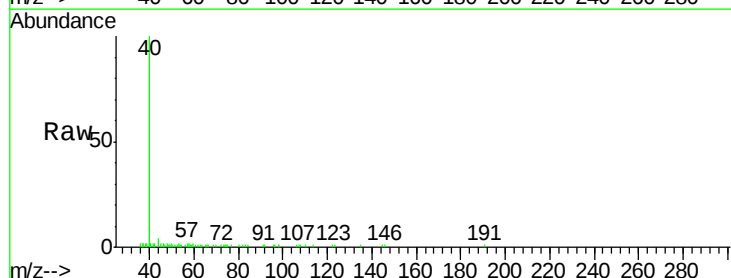
Acq: 21 Mar 2019 19:57

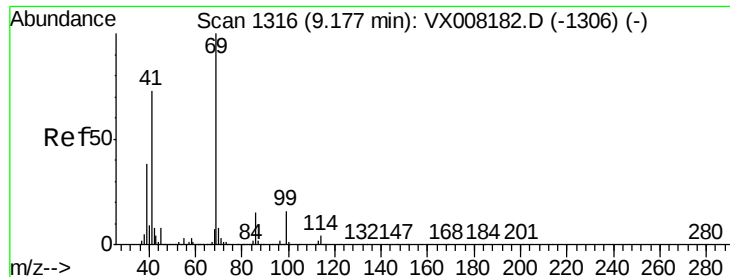
Tgt Ion: 75 Resp: 152

Ion Ratio Lower Upper

75 100

77 55.1 25.4 38.0#





#56

Ethyl methacrylate

Concen: 0.572 ug/l

RT: 9.16 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VX008302.D

Acq: 21 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309I-20190313

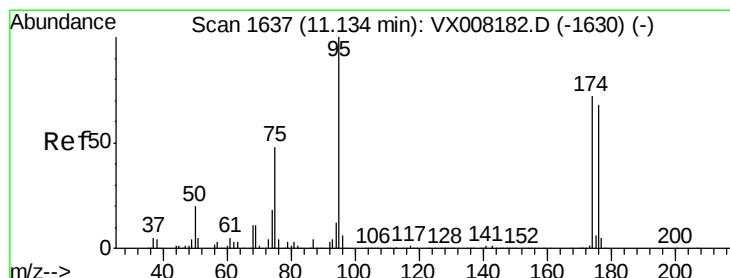
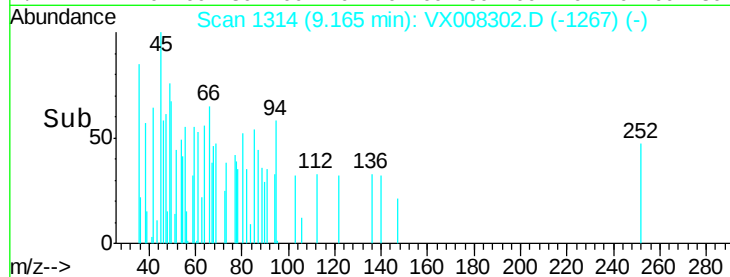
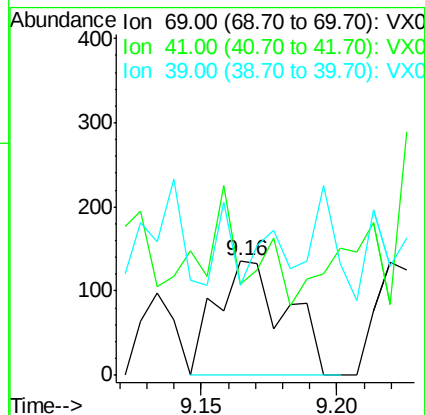
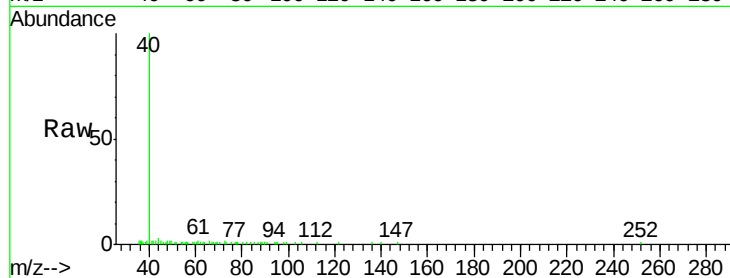
Tot Ion: 69 Resp: 242

Ion Ratio Lower Upper

69 100

41 51.2 54.2 81.4#

39 15.7 25.0 37.4#



#62

4-Bromofluorobenzene

Concen: 44.928 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008302.D

Acq: 21 Mar 2019 19:57

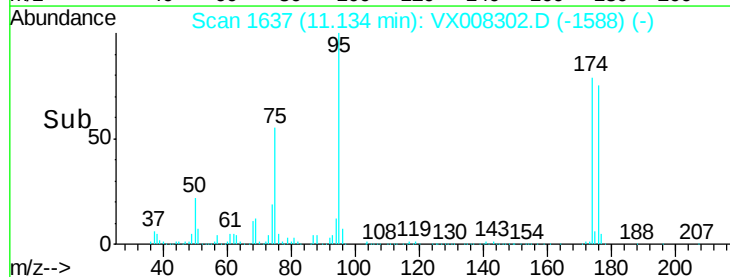
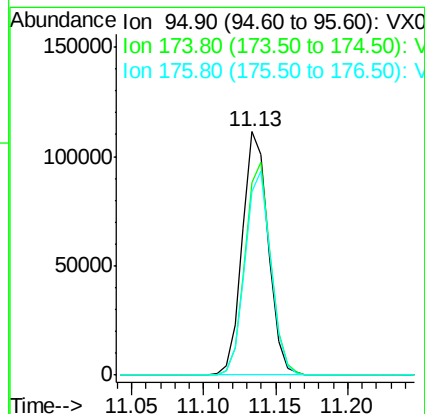
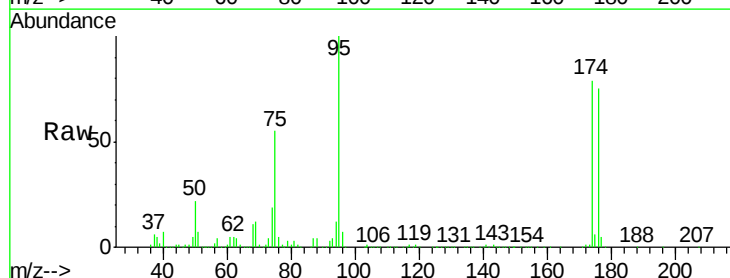
Tgt Ion: 95 Resp: 139201

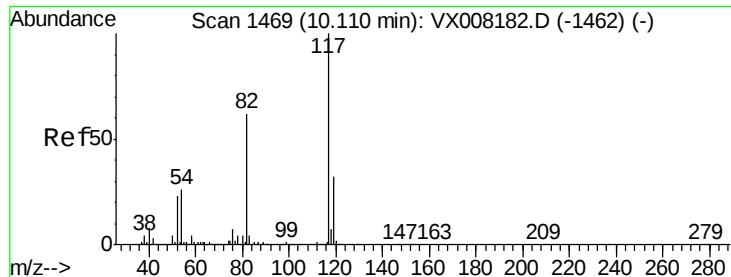
Ion Ratio Lower Upper

95 100

174 86.6 0.0 182.8

176 83.4 0.0 178.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008302.D

Acq: 21 Mar 2019 19:57

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW309I-20190313

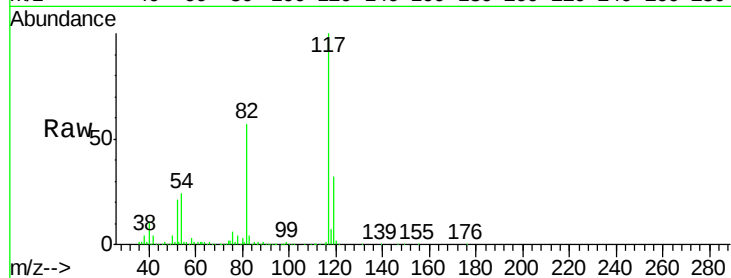
Tot Ion:117 Resp: 314314

Ion Ratio Lower Upper

117 100

82 57.1 44.3 66.5

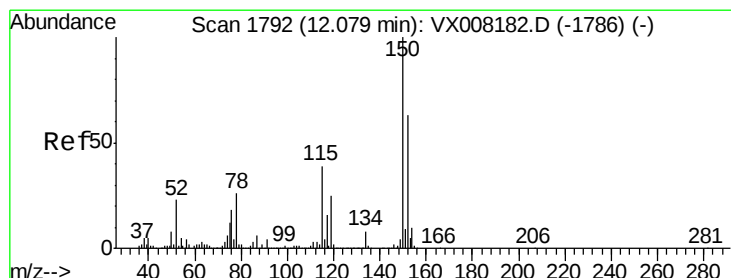
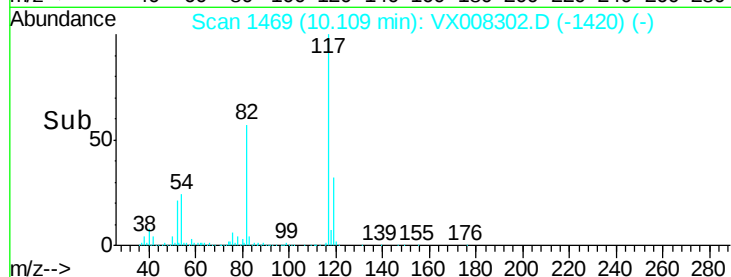
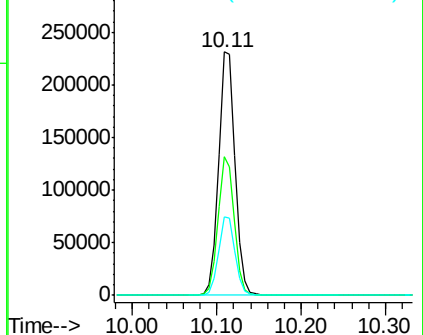
119 32.3 25.3 37.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): 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: VX008302.D

Acq: 21 Mar 2019 19:57

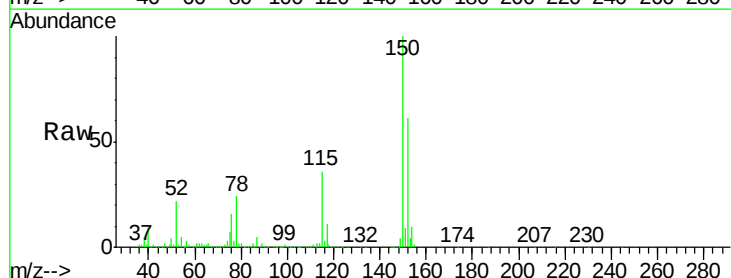
Tgt Ion:152 Resp: 129567

Ion Ratio Lower Upper

152 100

115 58.2 38.6 115.7

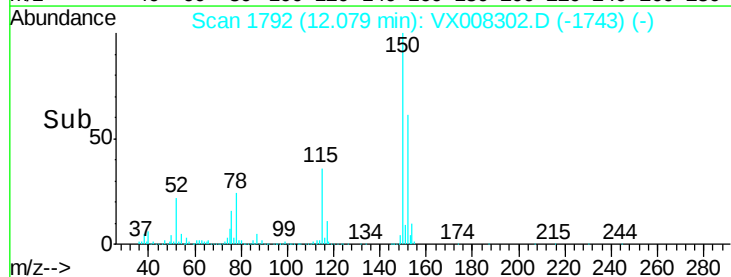
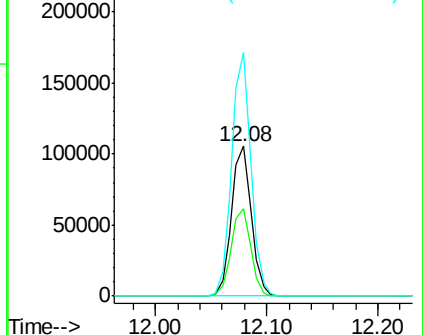
150 158.6 0.0 348.4

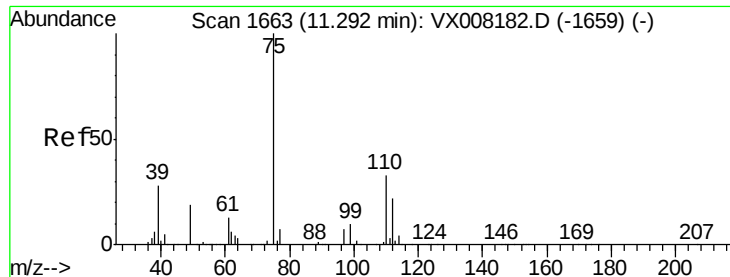


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

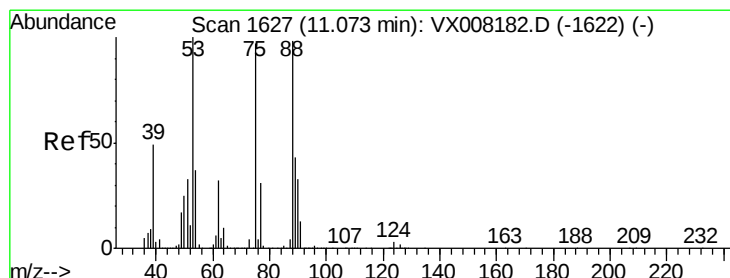
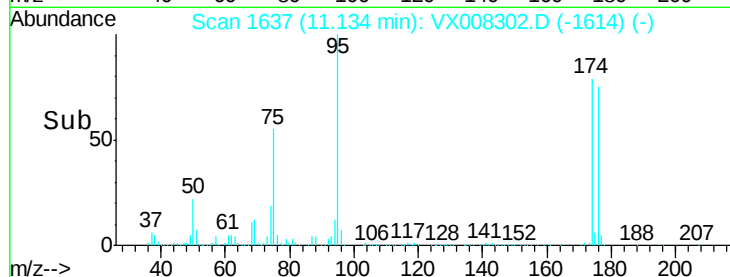
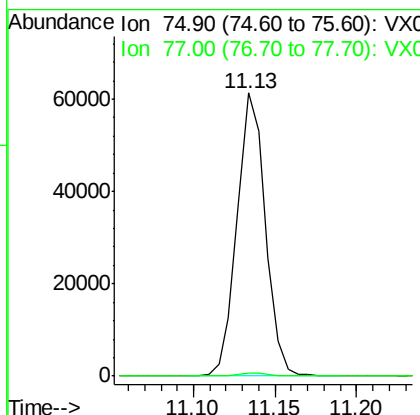
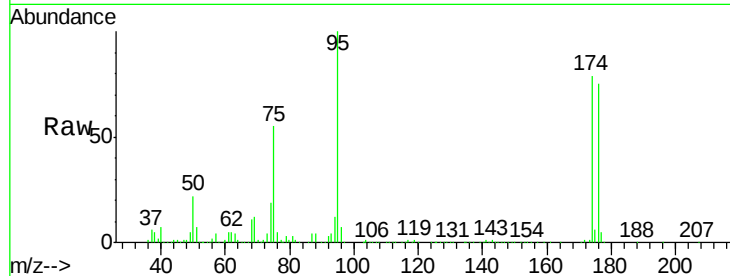




#76
 1,2,3-Trichloropropane
 Concen: 20.384 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008302.D
 Acq: 21 Mar 2019 19:57

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW309I-20190313

Tot Ion: 75 Resp: 74283
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.908 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008302.D
 Acq: 21 Mar 2019 19:57

Tgt Ion: 75 Resp: 74283
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.1 36.3 54.5#

