

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032119\
 Data File : VX008291.D
 Acq On : 21 Mar 2019 15:23
 Operator : JC/SP
 Sample : K1963-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW302S-20190314

Quant Time: Mar 22 08:43:52 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	287425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	475245	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	401657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	160625	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	202571	46.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.60%	
35) Dibromofluoromethane	5.50	113	152014	47.78	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.56%	
50) Toluene-d8	8.71	98	584654	48.47	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	11.13	95	184596	44.45	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.90%	

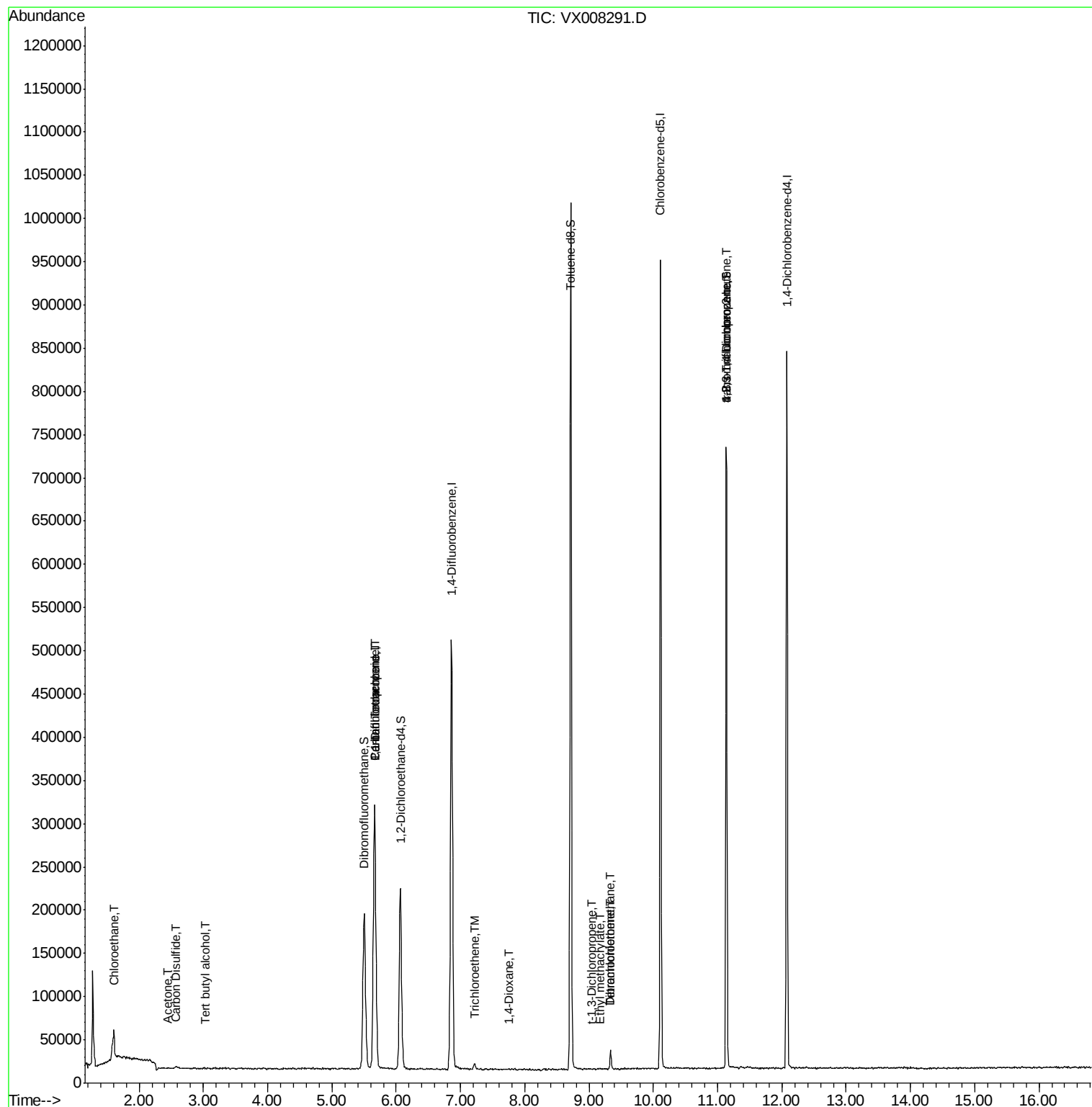
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.60	64	36893	13.497	ug/l #	53
11) Tert butyl alcohol	3.03	59	867	0.936	ug/l #	94
13) Acrolein	2.28	56	133	Below Cal	#	13
16) Acetone	2.45	43	1178	0.480	ug/l	93
17) Carbon Disulfide	2.57	76	1344	0.792	ug/l #	44
36) 1,1-Dichloropropene	5.67	75	23550	4.256	ug/l #	50
38) Carbon Tetrachloride	5.67	117	27767	5.632	ug/l #	17
44) Trichloroethene	7.21	130	2622	0.655	ug/l	98
49) 1,4-Dioxane	7.76	88	341	3.466	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	112	1.439	ug/l #	43
56) Ethyl methacrylate	9.18	69	177	0.551	ug/l #	1
60) Dibromochloromethane	9.34	129	3597	0.953	ug/l #	12
64) Tetrachloroethene	9.34	164	3958	1.092	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	97154	21.505	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	97154	54.684	ug/l #	12

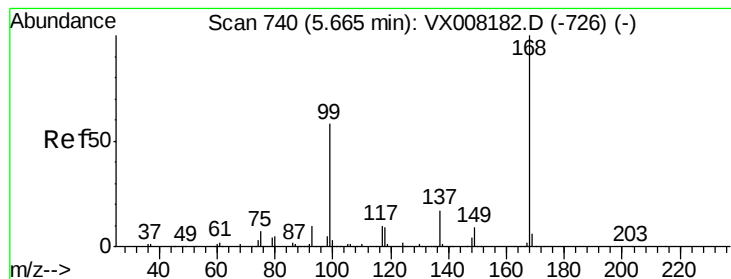
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX032119\
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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: VX008291.D

Acq: 21 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

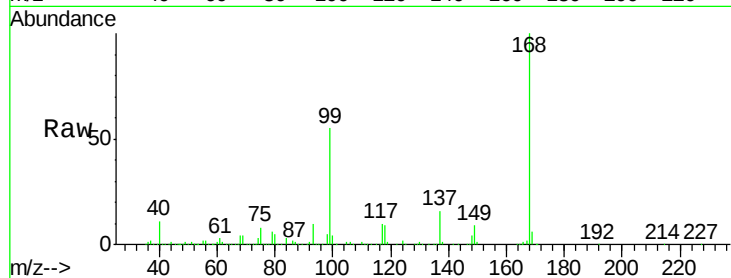
BPS1-TT-MW302S-20190314

Tot Ion:168 Resp: 287425

Ion Ratio Lower Upper

168 100

99 55.3 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

120000

100000

80000

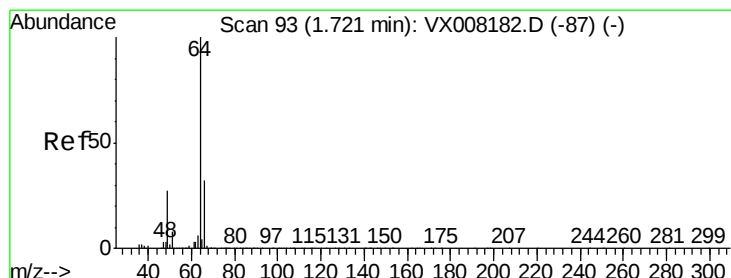
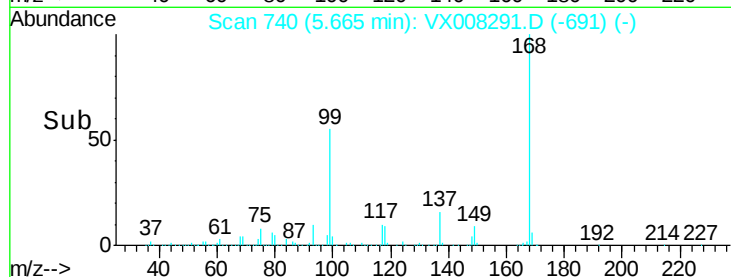
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 13.497 ug/l

RT: 1.60 min Scan# 74

Delta R.T. -0.12 min

Lab File: VX008291.D

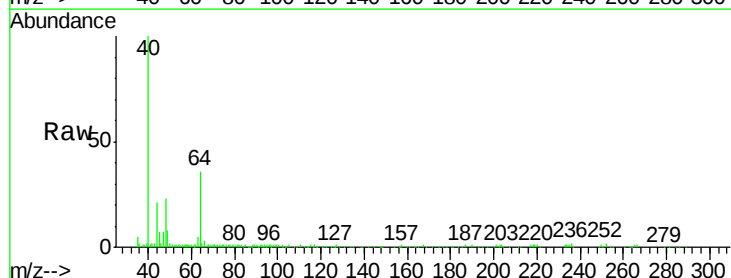
Acq: 21 Mar 2019 15:23

Tgt Ion: 64 Resp: 36893

Ion Ratio Lower Upper

64 100

66 5.3 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.60

8000

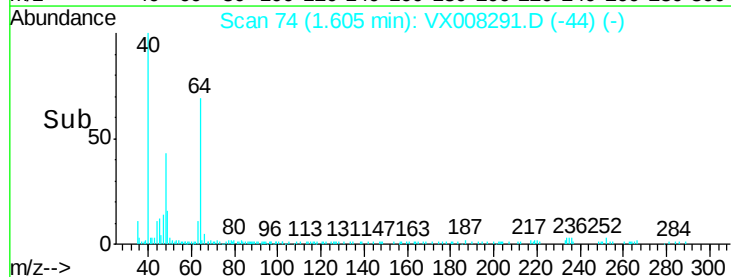
6000

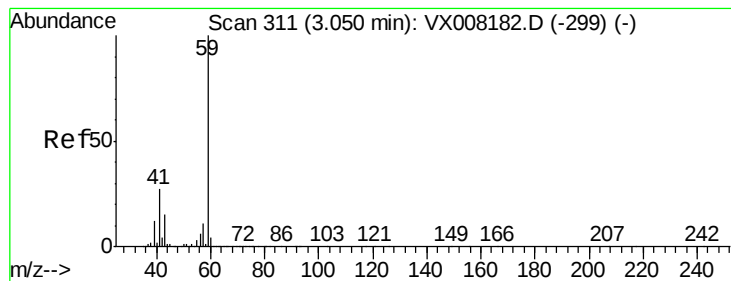
4000

2000

0

Time--> 1.40 1.50 1.60 1.70



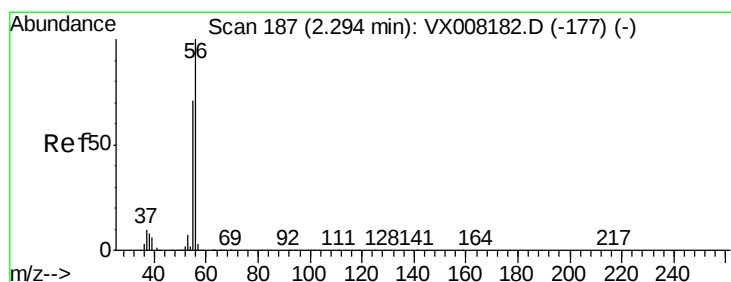
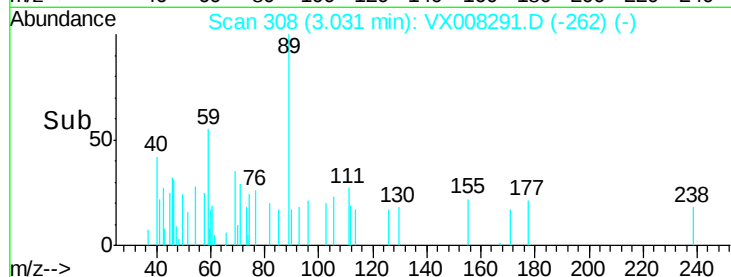
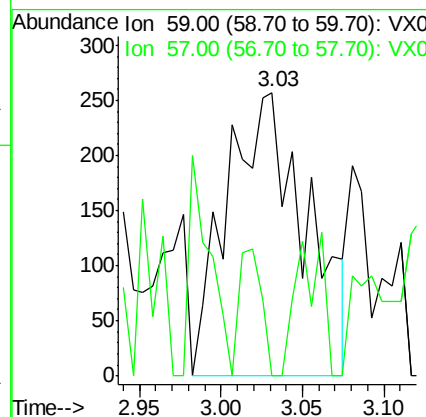
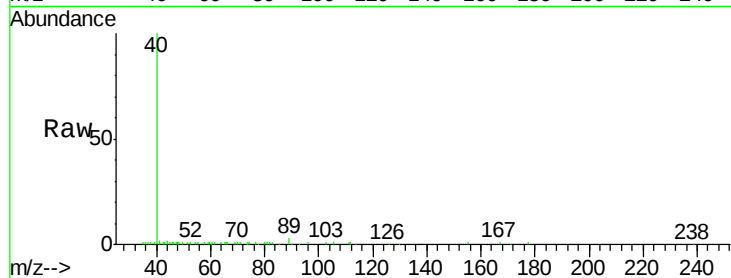


#11

Tert butyl alcohol
 Concen: 0.936 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.02 min
 Lab File: VX008291.D
 Acq: 21 Mar 2019 15:23

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW302S-20190314

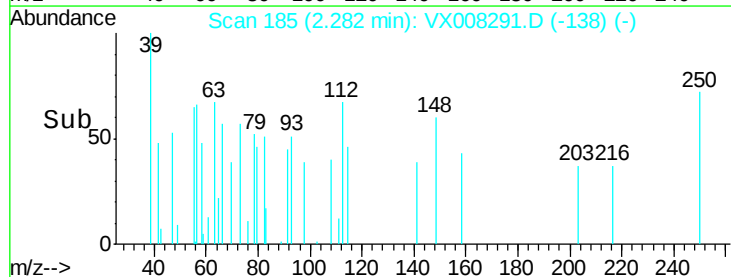
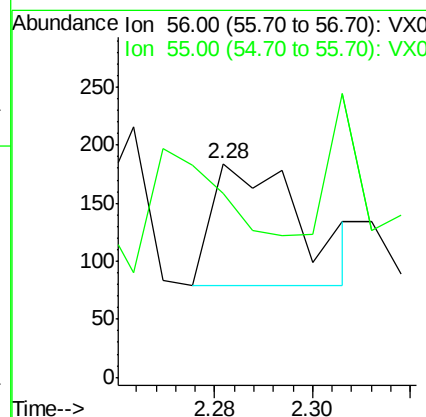
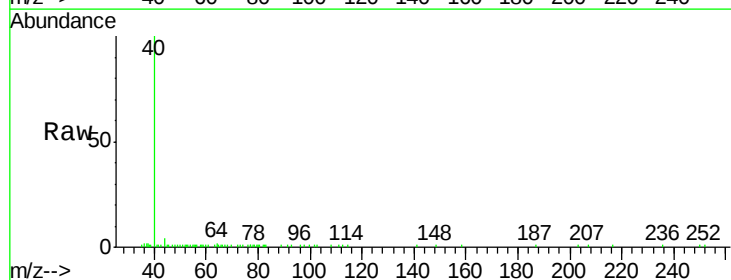
Tot Ion: 59 Resp: 867
 Ion Ratio Lower Upper
 59 100
 57 12.5 8.2 12.2#

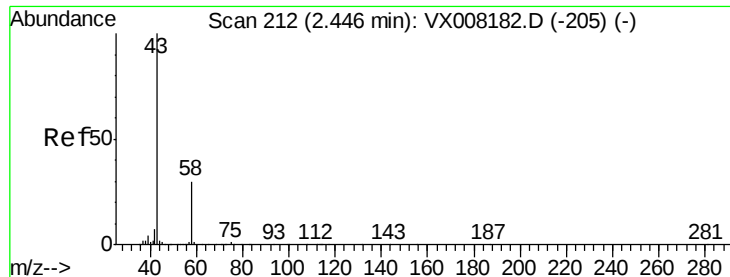


#13

Acrolein
 Concen: Below Cal
 RT: 2.28 min Scan# 185
 Delta R.T. -0.01 min
 Lab File: VX008291.D
 Acq: 21 Mar 2019 15:23

Tgt Ion: 56 Resp: 133
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.8 86.6#





#16

Acetone

Concen: 0.480 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008291.D

Acq: 21 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

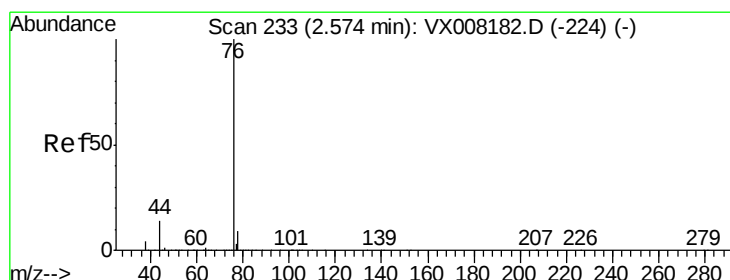
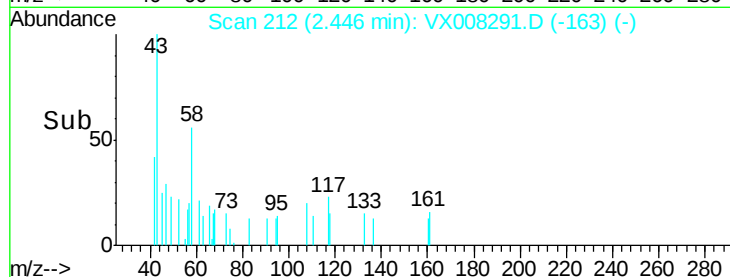
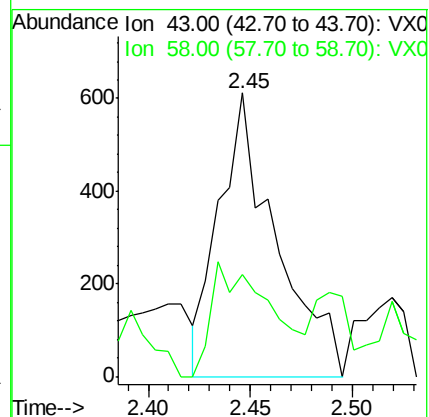
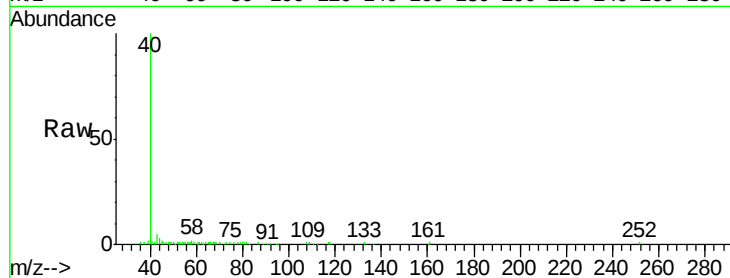
BPS1-TT-MW302S-20190314

Tot Ion: 43 Resp: 1178

Ion Ratio Lower Upper

43 100

58 35.9 25.5 38.3



#17

Carbon Disulfide

Concen: 0.792 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.00 min

Lab File: VX008291.D

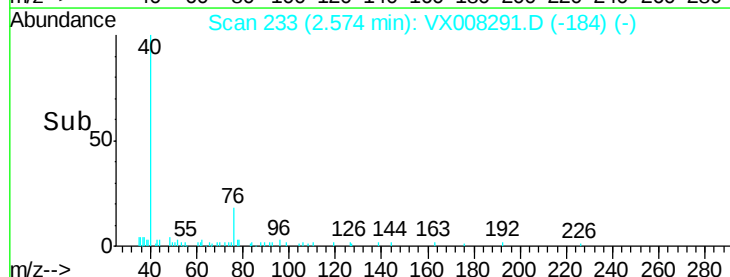
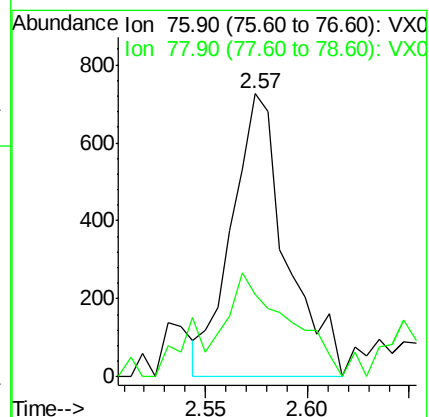
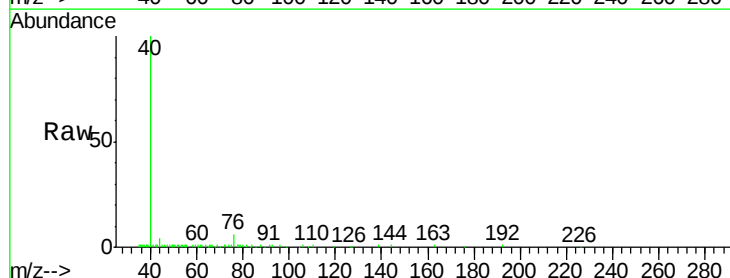
Acq: 21 Mar 2019 15:23

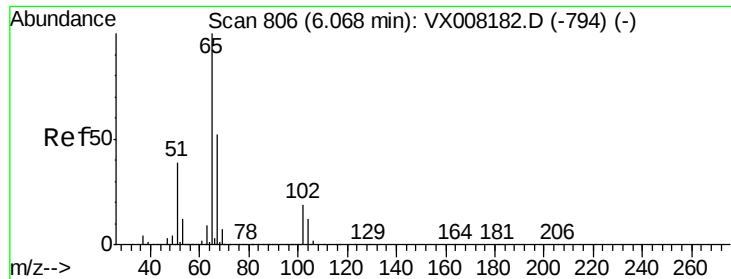
Tgt Ion: 76 Resp: 1344

Ion Ratio Lower Upper

76 100

78 29.2 7.2 10.8#





#33

1,2-Dichloroethane-d4

Concen: 46.795 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX008291.D

Acq: 21 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

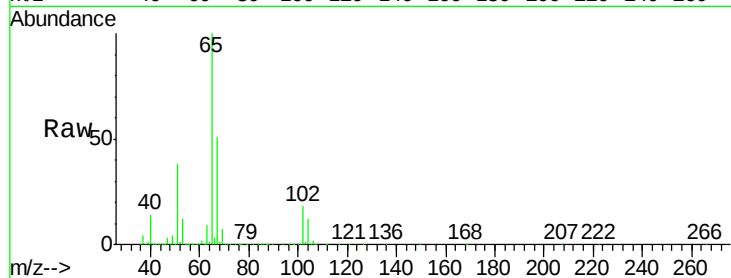
BPS1-TT-MW302S-20190314

Tot Ion: 65 Resp: 202571

Ion Ratio Lower Upper

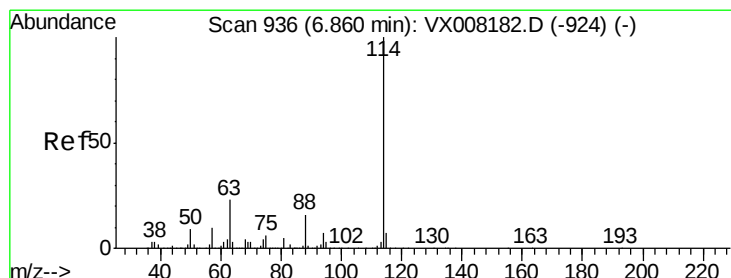
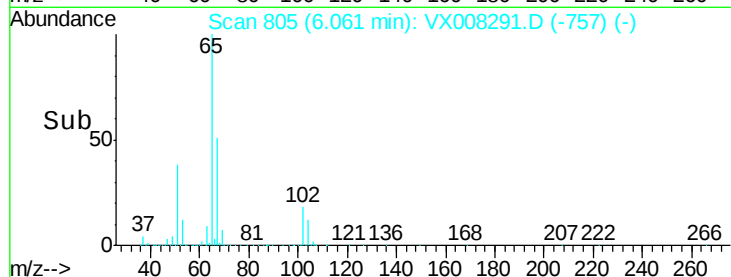
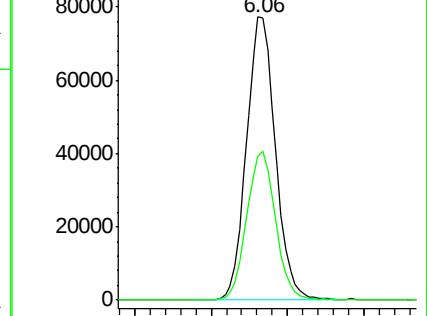
65 100

67 52.4 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: VX008291.D

Acq: 21 Mar 2019 15:23

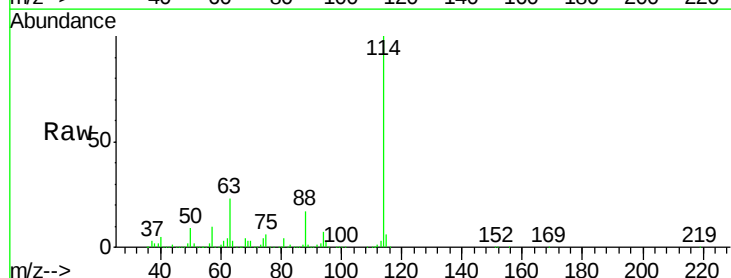
Tgt Ion: 114 Resp: 475245

Ion Ratio Lower Upper

114 100

63 22.9 0.0 39.8

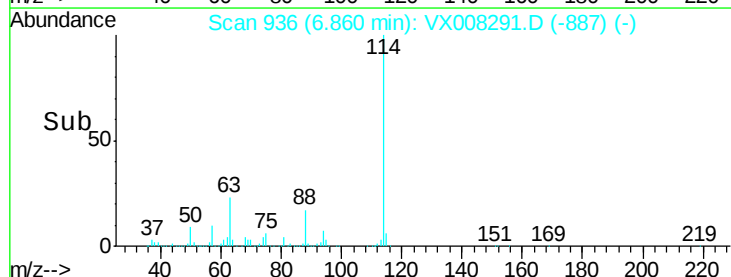
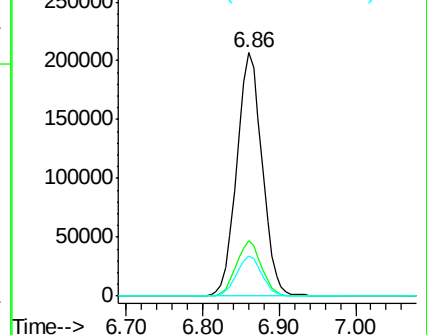
88 16.6 0.0 31.4

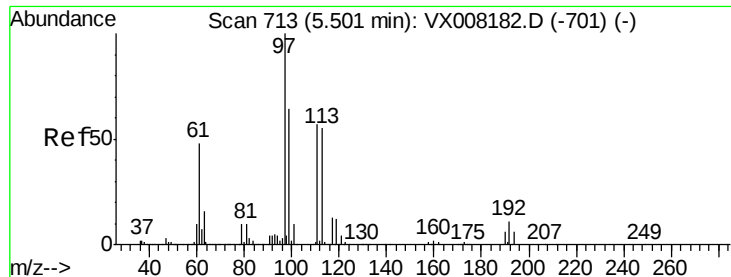


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.781 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008291.D

Acq: 21 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302S-20190314

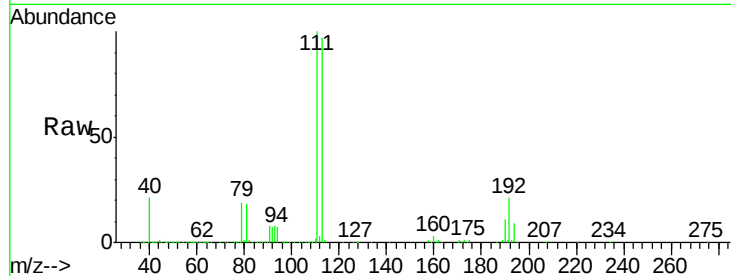
Tot Ion:113 Resp: 152014

Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

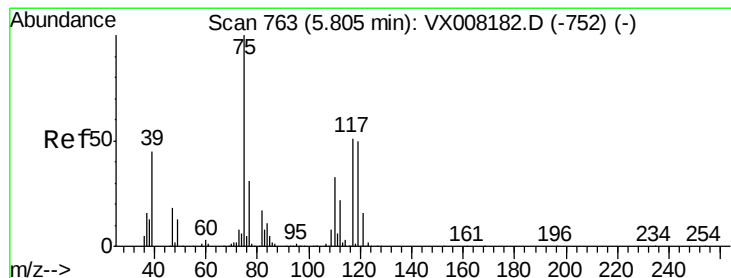
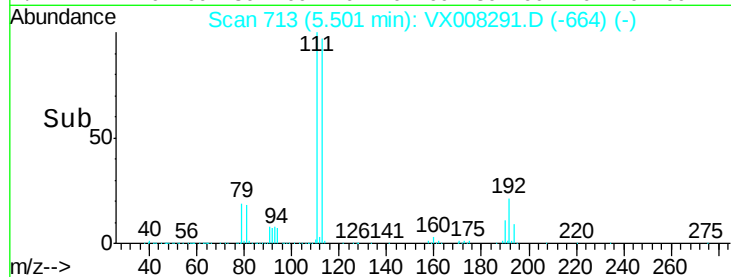
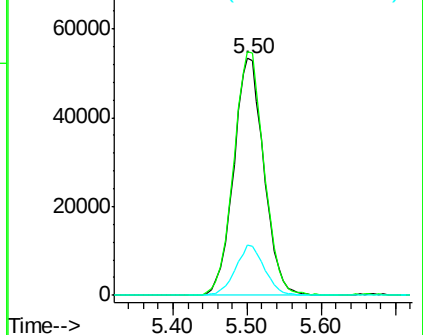
192 20.4 19.4 29.0



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: 4.256 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.14 min

Lab File: VX008291.D

Acq: 21 Mar 2019 15:23

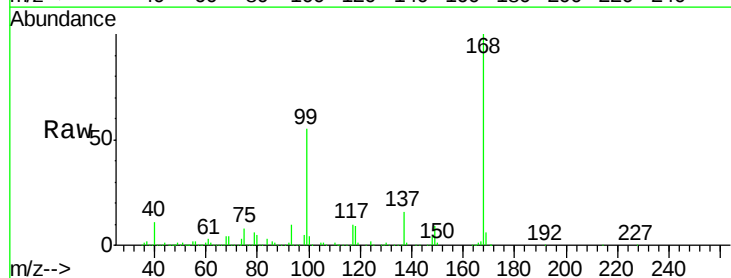
Tgt Ion: 75 Resp: 23550

Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.0#

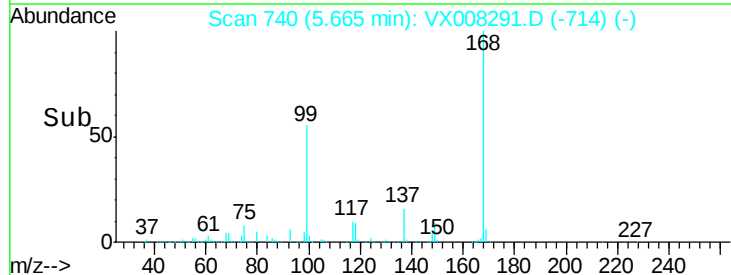
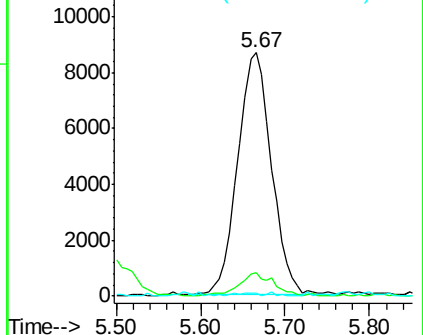
77 0.8 25.0 37.4#

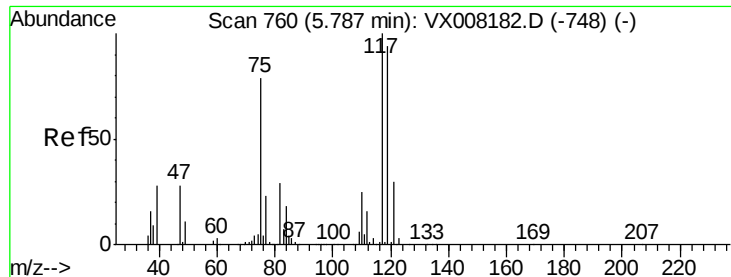


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.632 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008291.D

Acq: 21 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302S-20190314

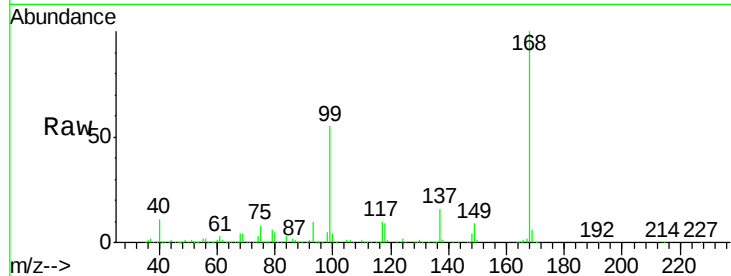
Tot Ion:117 Resp: 27767

Ion Ratio Lower Upper

117 100

119 5.8 76.2 114.2#

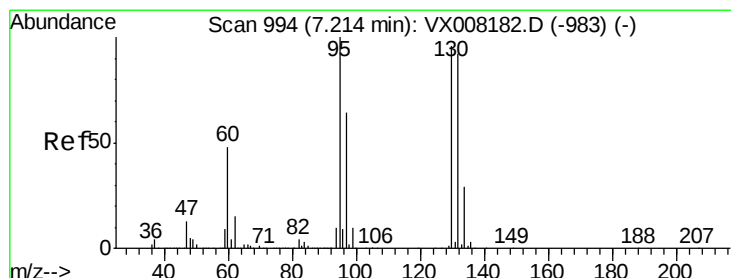
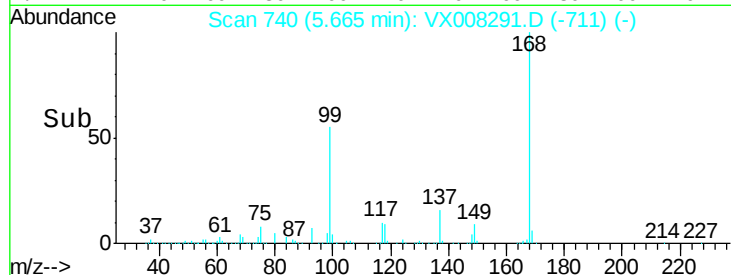
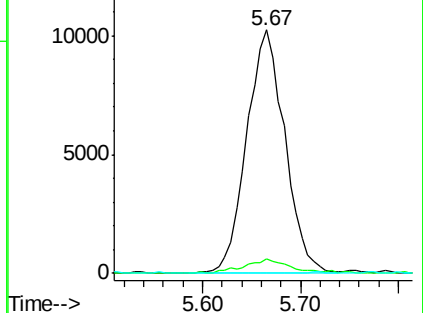
121 0.0 24.6 36.8#



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: 0.655 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX008291.D

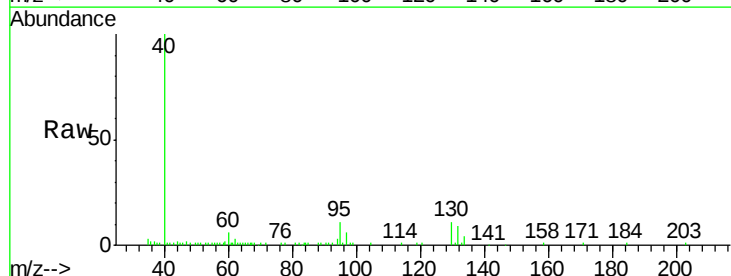
Acq: 21 Mar 2019 15:23

Tgt Ion:130 Resp: 2622

Ion Ratio Lower Upper

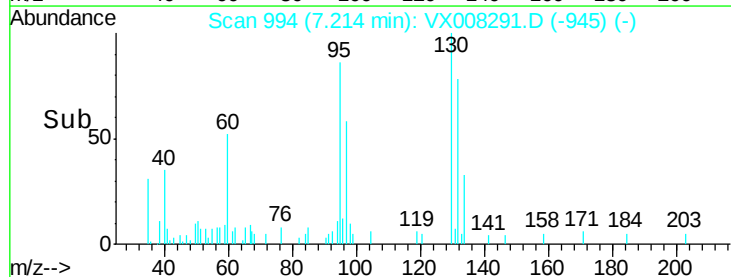
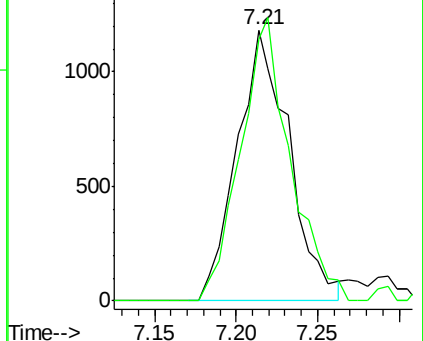
130 100

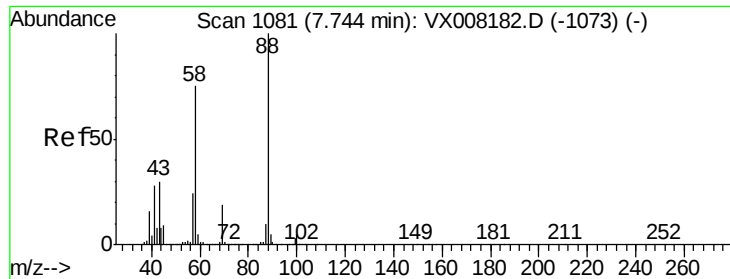
95 96.4 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#49

1,4-Dioxane

Concen: 3.466 ug/l

RT: 7.76 min Scan# 1083

Delta R.T. 0.01 min

Lab File: VX008291.D

Acq: 21 Mar 2019 15:23

Instrument :

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ClientSampleId :

BPS1-TT-MW302S-20190314

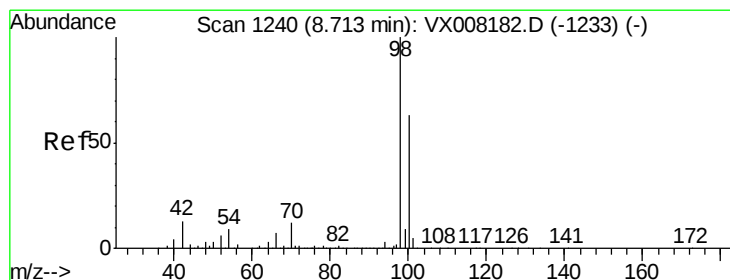
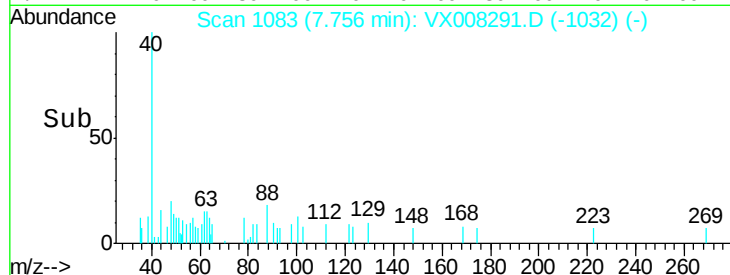
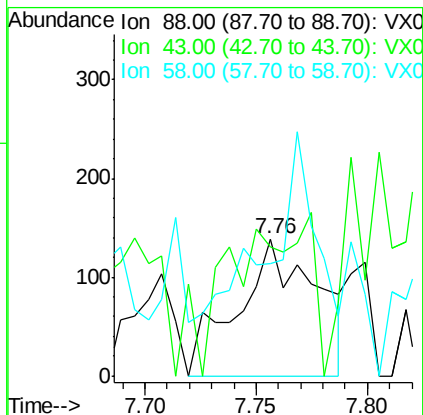
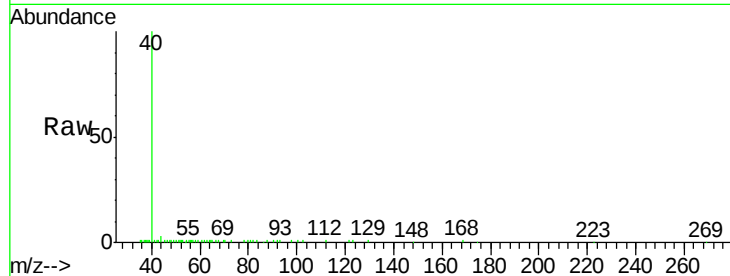
Tot Ion: 88 Resp: 341

Ion Ratio Lower Upper

88 100

43 111.1 25.1 37.7#

58 154.3 57.8 86.6#



#50

Toluene-d8

Concen: 48.471 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008291.D

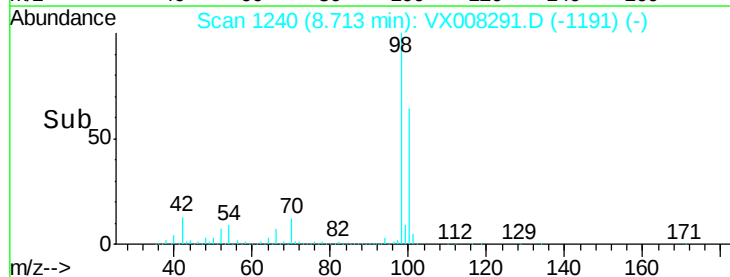
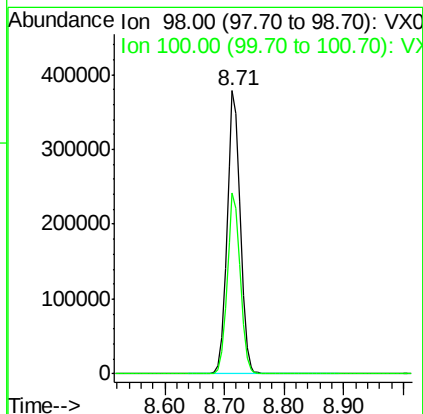
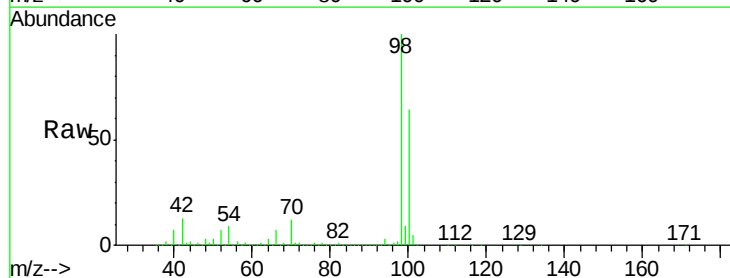
Acq: 21 Mar 2019 15:23

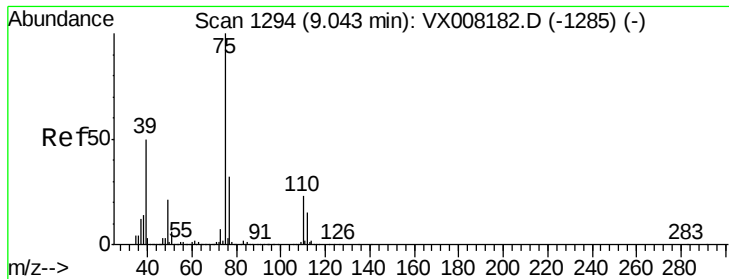
Tgt Ion: 98 Resp: 584654

Ion Ratio Lower Upper

98 100

100 63.1 51.7 77.5





#53

t-1,3-Dichloropropene

Concen: 1.439 ug/l

RT: 9.05 min Scan# 1295

Delta R.T. 0.01 min

Lab File: VX008291.D

Acq: 21 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

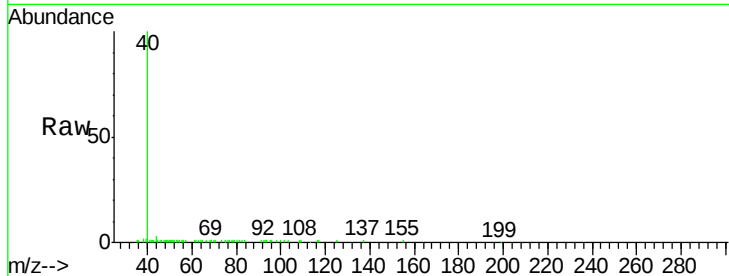
BPS1-TT-MW302S-20190314

Tot Ion: 75 Resp: 112

Ion Ratio Lower Upper

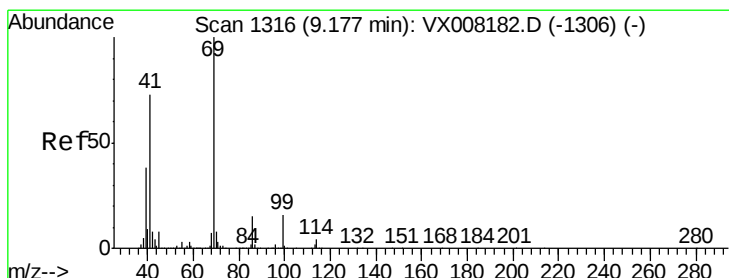
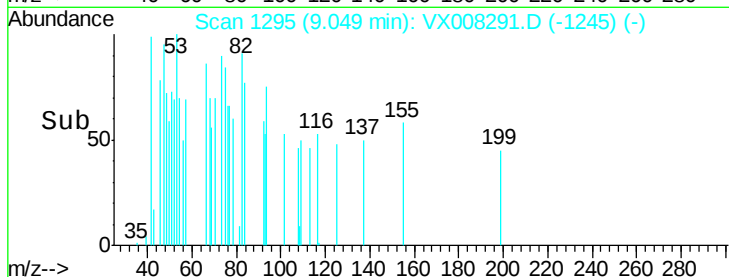
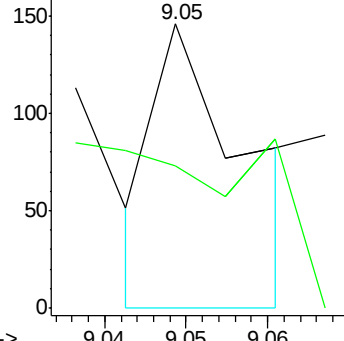
75 100

77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0



#56

Ethyl methacrylate

Concen: 0.551 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VX008291.D

Acq: 21 Mar 2019 15:23

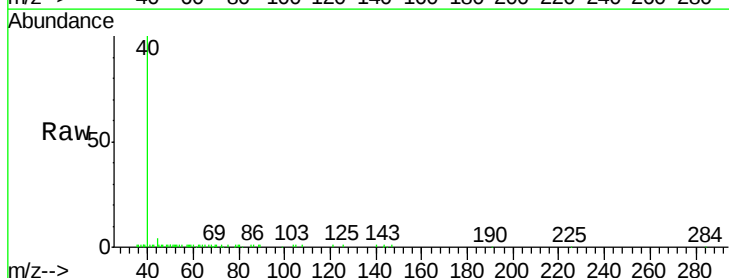
Tgt Ion: 69 Resp: 177

Ion Ratio Lower Upper

69 100

41 191.5 54.2 81.4#

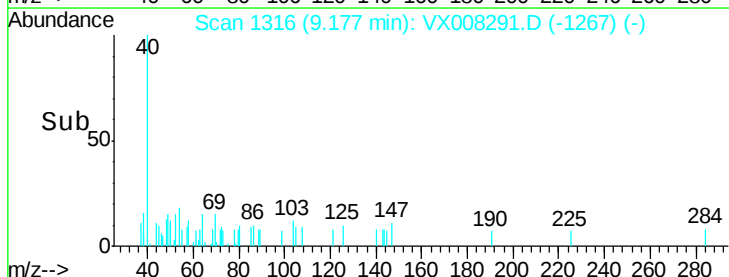
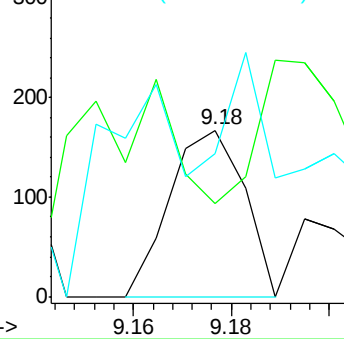
39 137.3 25.0 37.4#

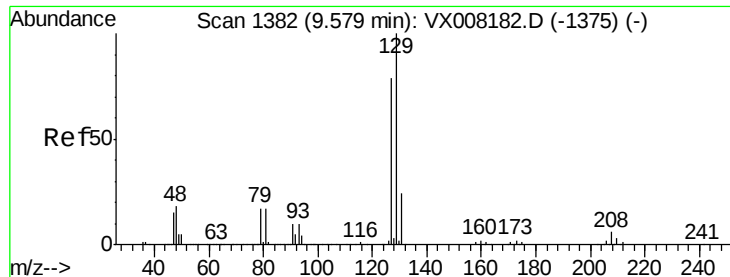


Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#60

Dibromochloromethane

Concen: 0.953 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008291.D

Acq: 21 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

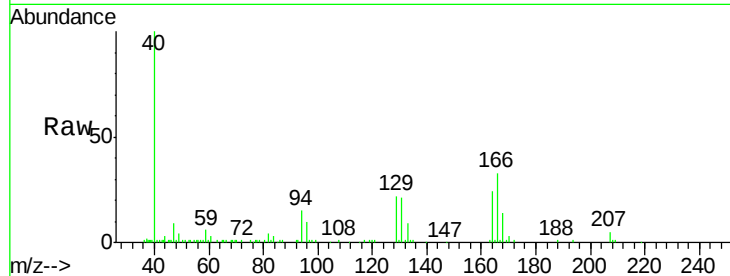
BPS1-TT-MW302S-20190314

Tot Ion:129 Resp: 3597

Ion Ratio Lower Upper

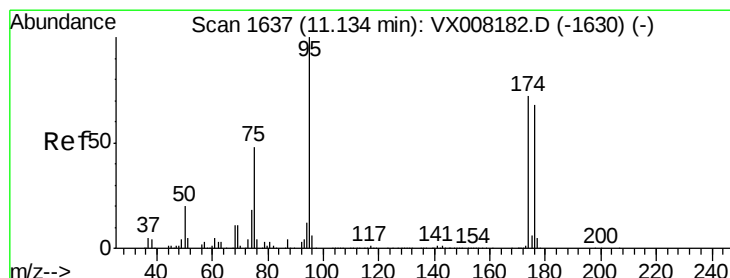
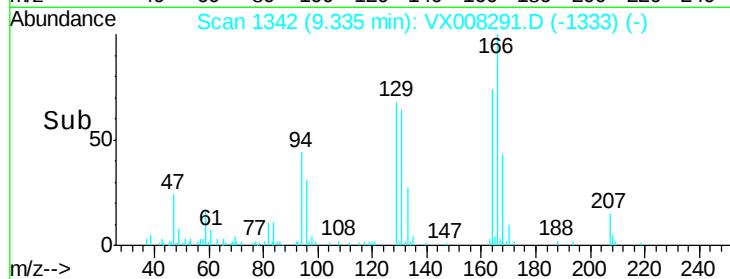
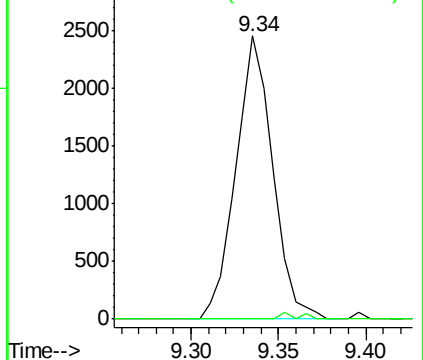
129 100

127 1.1 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.447 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008291.D

Acq: 21 Mar 2019 15:23

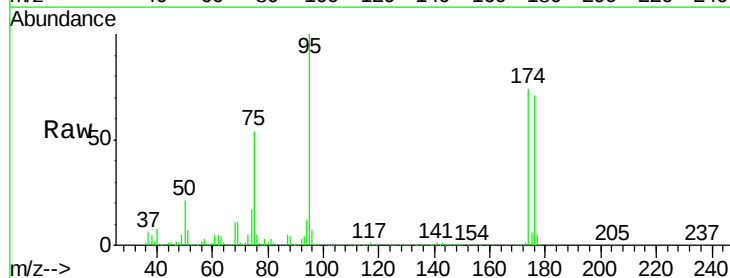
Tgt Ion: 95 Resp: 184596

Ion Ratio Lower Upper

95 100

174 80.9 0.0 182.8

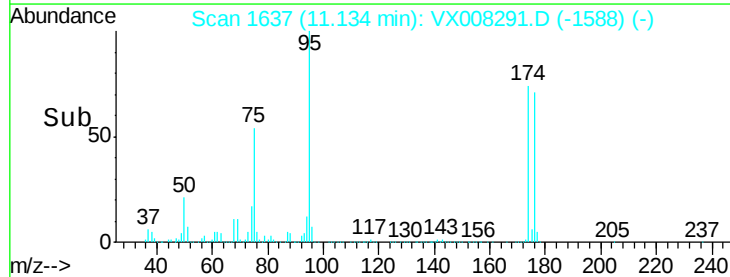
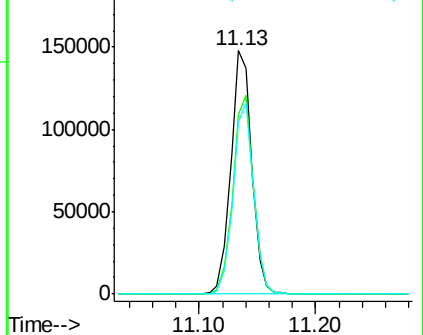
176 77.4 0.0 178.0

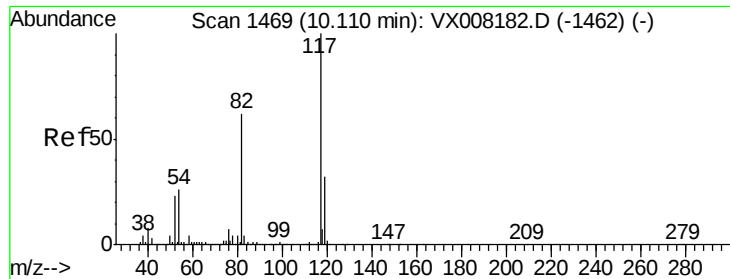


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

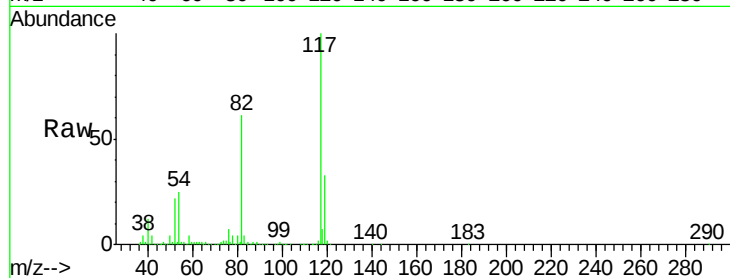




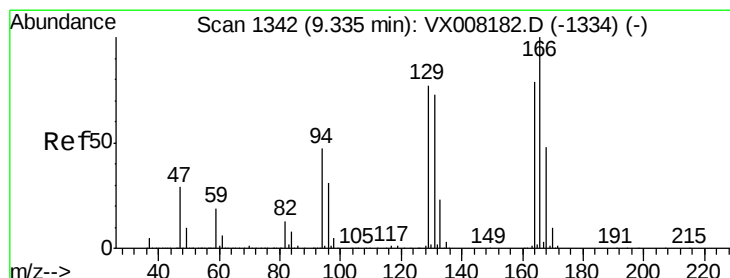
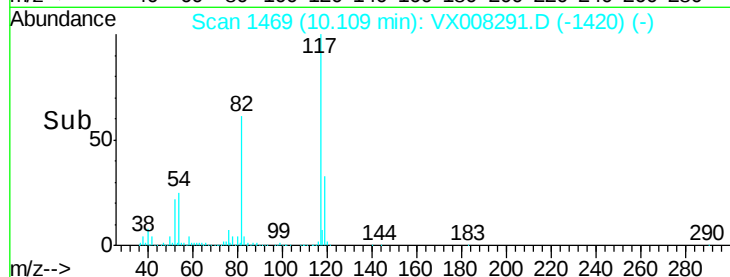
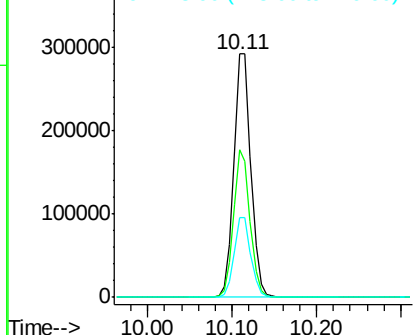
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008291.D
Acq: 21 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW302S-20190314

Tot Ion:117 Resp: 401657
Ion Ratio Lower Upper
117 100
82 60.9 44.3 66.5
119 32.8 25.3 37.9

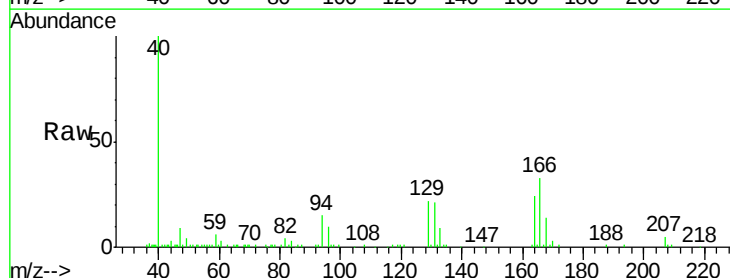


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

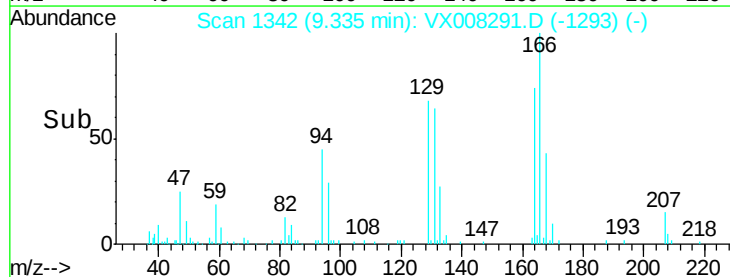
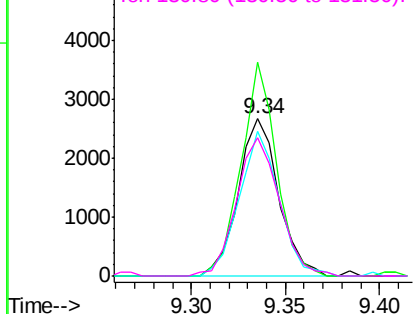


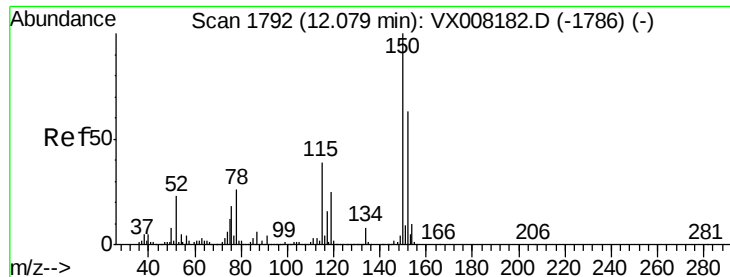
#64
Tetrachloroethene
Concen: 1.092 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008291.D
Acq: 21 Mar 2019 15:23

Tgt Ion:164 Resp: 3958
Ion Ratio Lower Upper
164 100
166 135.7 103.4 155.0
129 91.8 72.2 108.4
131 87.5 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



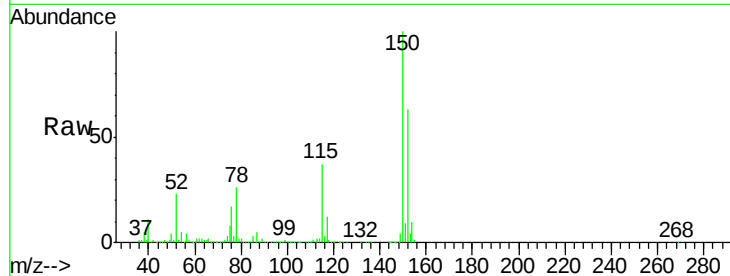


#72

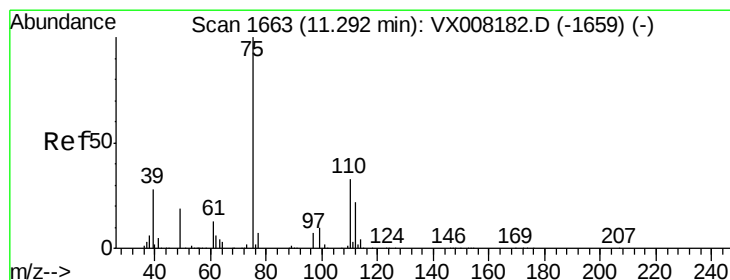
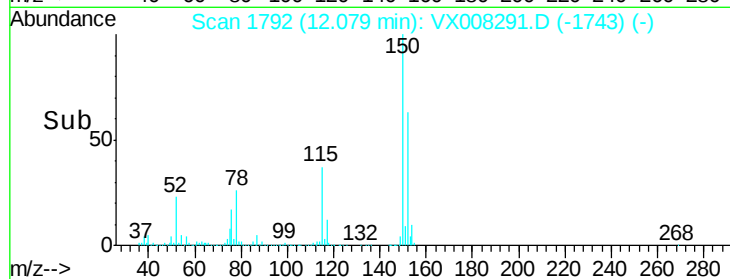
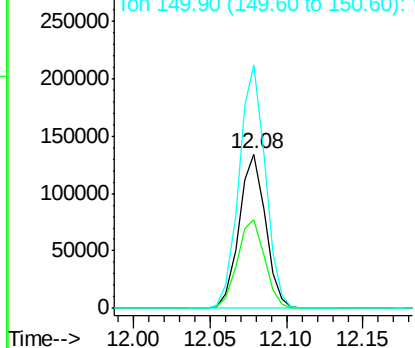
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008291.D
Acq: 21 Mar 2019 15:23

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW302S-20190314

Tot Ion:152 Resp: 160625
Ion Ratio Lower Upper
152 100
115 59.4 38.6 115.7
150 157.0 0.0 348.4



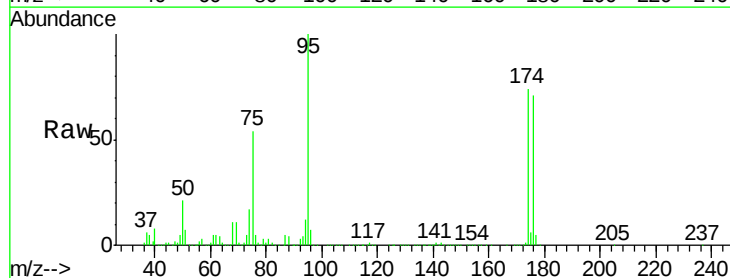
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



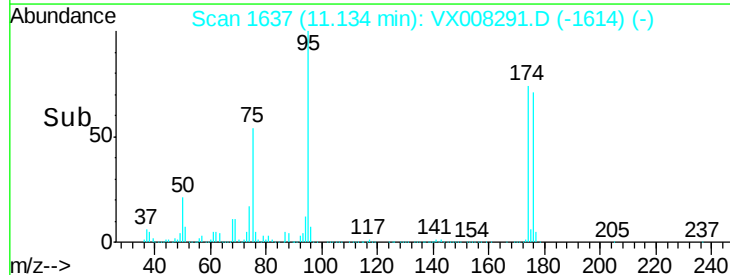
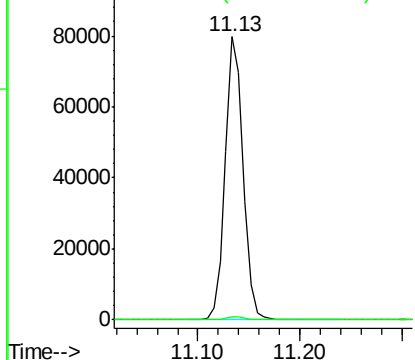
#76

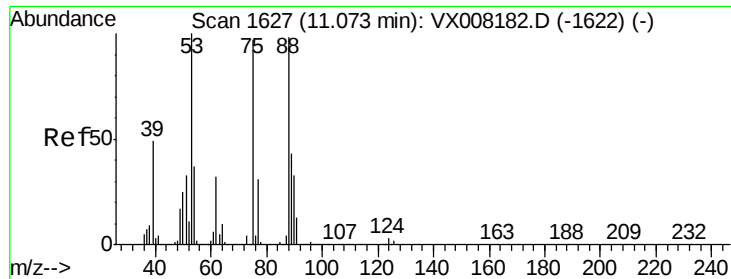
1,2,3-Trichloropropane
Concen: 21.505 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008291.D
Acq: 21 Mar 2019 15:23

Tgt Ion: 75 Resp: 97154
Ion Ratio Lower Upper
75 100
77 1.4 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: 54.684 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008291.D

Acq: 21 Mar 2019 15:23

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302S-20190314

Tot Ion: 75 Resp: 97154

Ion Ratio Lower Upper

75 100

53 0.2 76.1 114.1#

89 0.0 36.3 54.5#

