

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX032019\
 Data File : VX008246.D
 Acq On : 20 Mar 2019 16:54
 Operator : JC/SP
 Sample : K1963-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Mar 22 05:33:09 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	325329	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	531430	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	442044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170124	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	227694	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	
35) Dibromofluoromethane	5.50	113	168566	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	
50) Toluene-d8	8.71	98	652615	48.38	ug/l	0.00
Spiked Amount			Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.13	95	200107	43.09	ug/l	0.00
Spiked Amount			Recovery	=	86.18%	

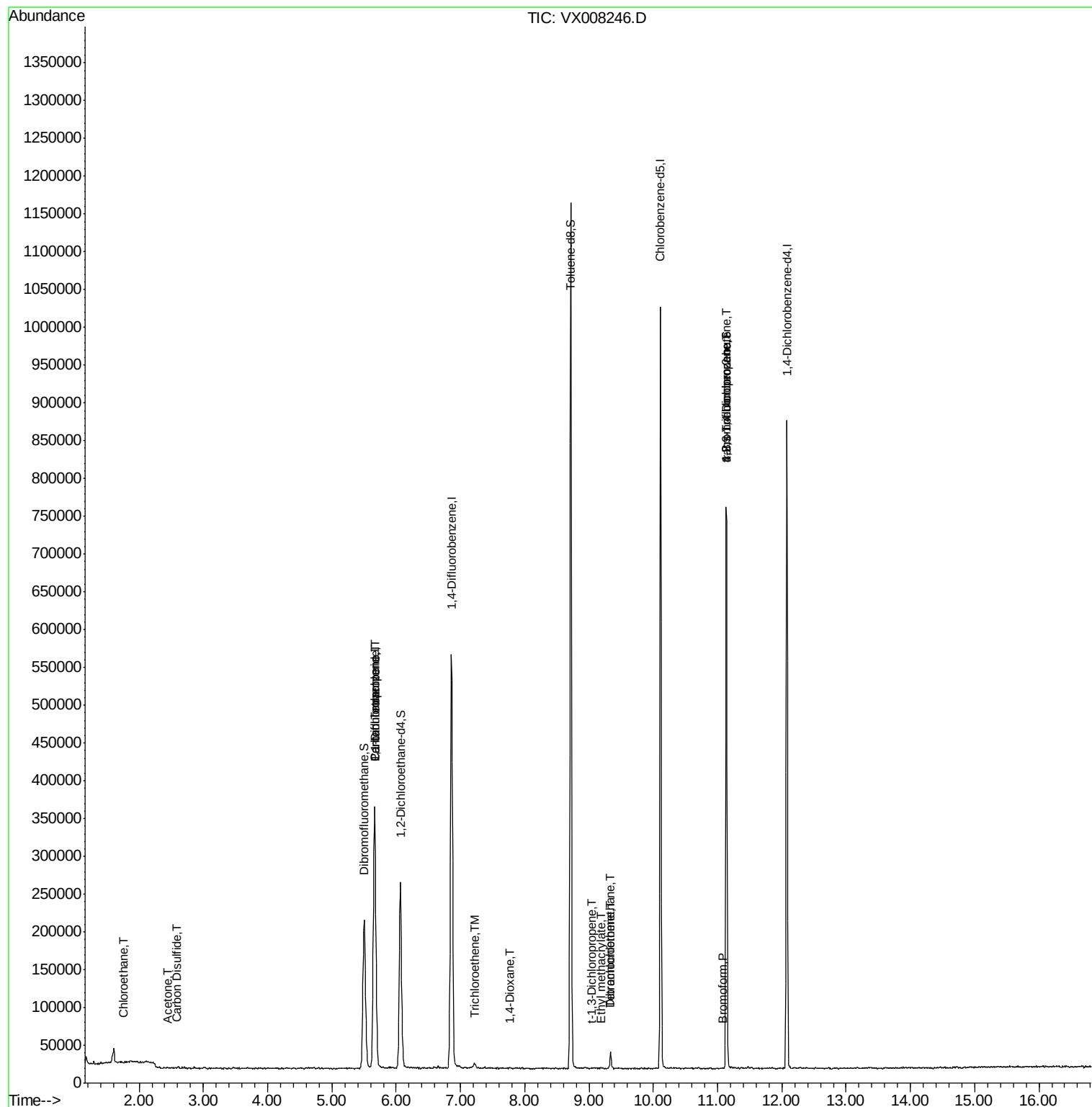
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.75	64	1126	0.364	ug/l #	46
13) Acrolein	2.31	56	65	Below Cal	#	69
16) Acetone	2.45	43	989	0.356	ug/l #	77
17) Carbon Disulfide	2.58	76	1066	0.757	ug/l #	47
36) 1,1-Dichloropropene	5.66	75	26258	4.244	ug/l #	49
38) Carbon Tetrachloride	5.67	117	31199	5.659	ug/l #	16
44) Trichloroethene	7.22	130	2765	0.618	ug/l	96
49) 1,4-Dioxane	7.76	88	335	3.045	ug/l #	1
53) t-1,3-Dichloropropene	9.05	75	376	1.472	ug/l #	46
56) Ethyl methacrylate	9.19	69	12	0.527	ug/l #	1
60) Dibromochloromethane	9.34	129	3876	0.919	ug/l #	12
64) Tetrachloroethene	9.34	164	3999	1.003	ug/l	94
71) Bromoform	11.08	173	63	2.221	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	104427	21.824	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	104427	55.474	ug/l #	12

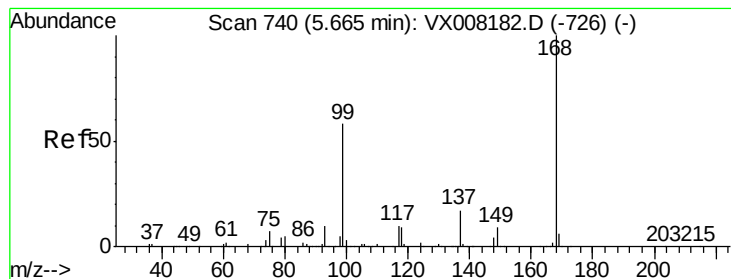
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX008246.D

Acq: 20 Mar 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

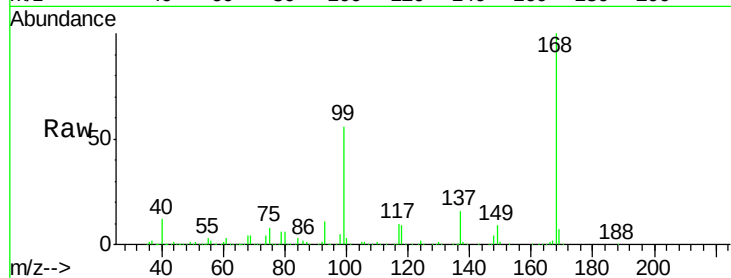
BPS1-TT-MW302S-20190314

Tot Ion:168 Resp: 325329

Ion Ratio Lower Upper

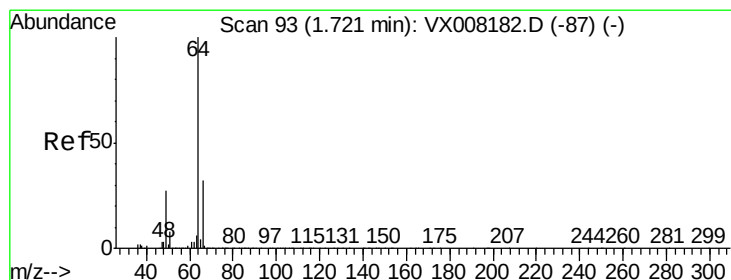
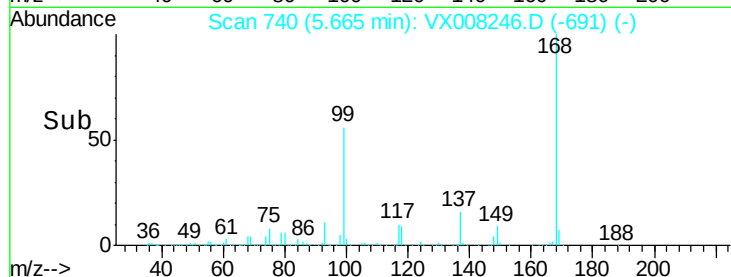
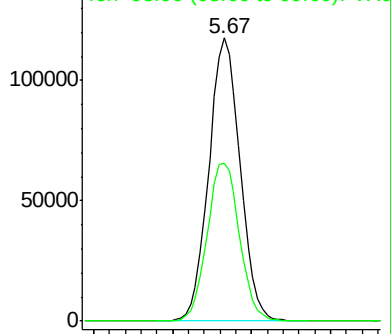
168 100

99 56.0 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: 0.364 ug/l

RT: 1.75 min Scan# 98

Delta R.T. 0.03 min

Lab File: VX008246.D

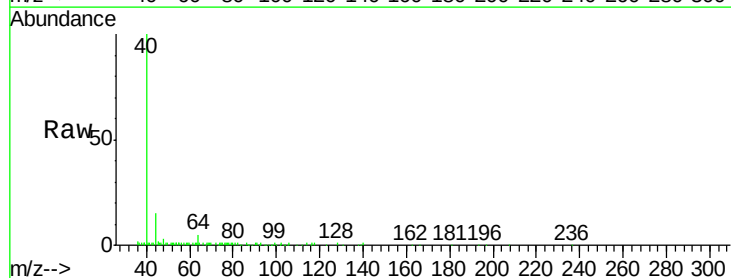
Acq: 20 Mar 2019 16:54

Tgt Ion: 64 Resp: 1126

Ion Ratio Lower Upper

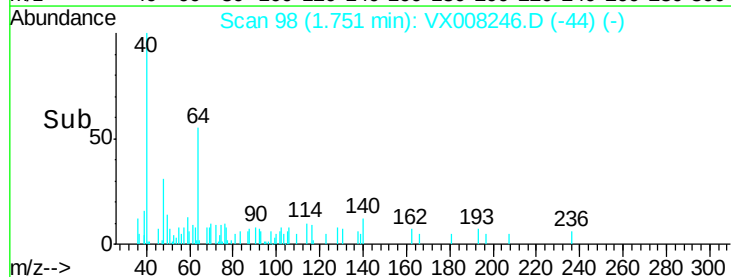
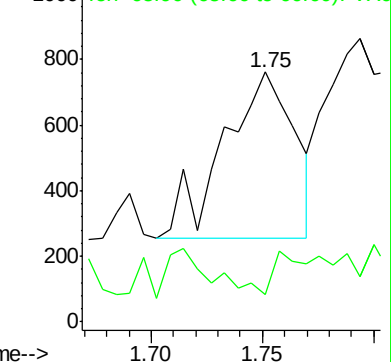
64 100

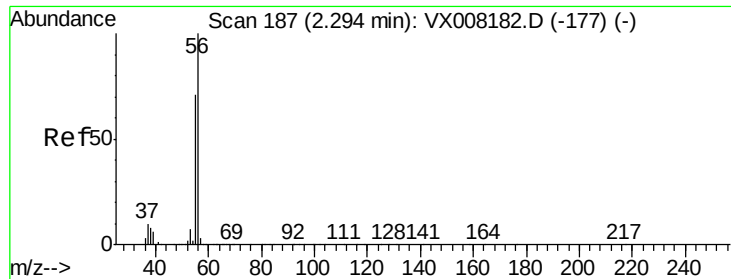
66 1.6 25.2 37.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

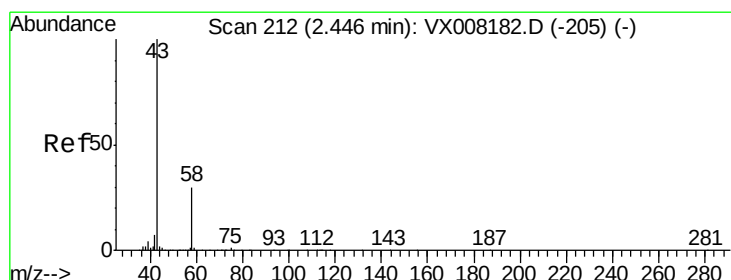
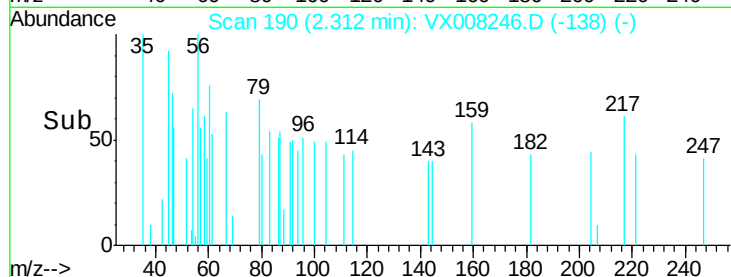
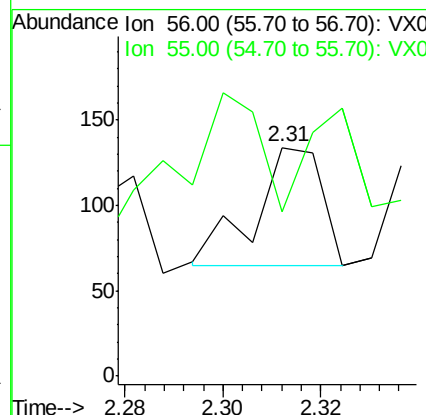
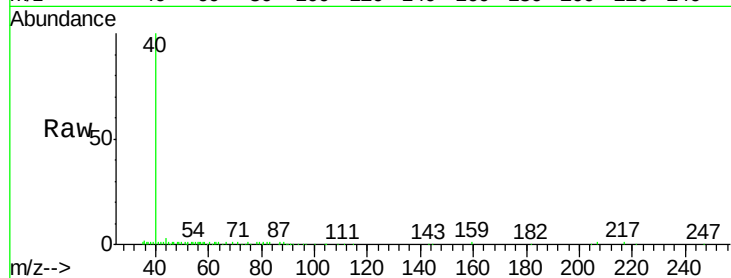




#13
Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 190
Delta R.T. 0.02 min
Lab File: VX008246.D
Acq: 20 Mar 2019 16:54

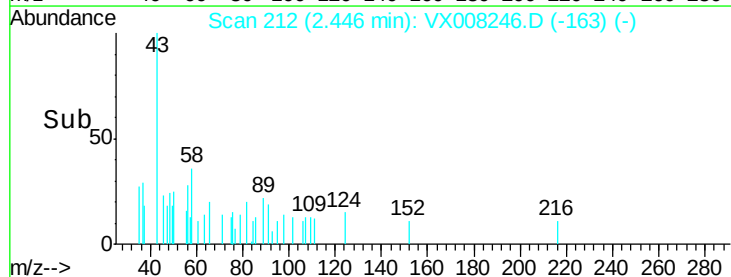
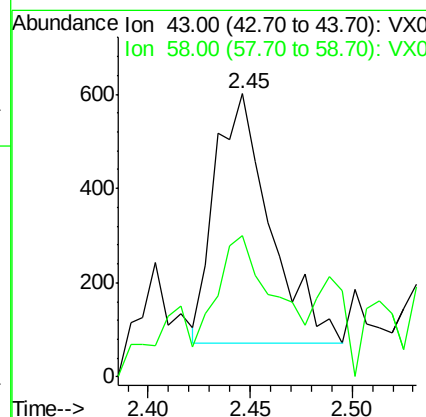
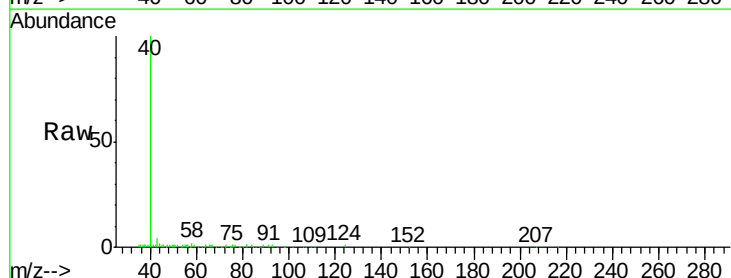
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW302S-20190314

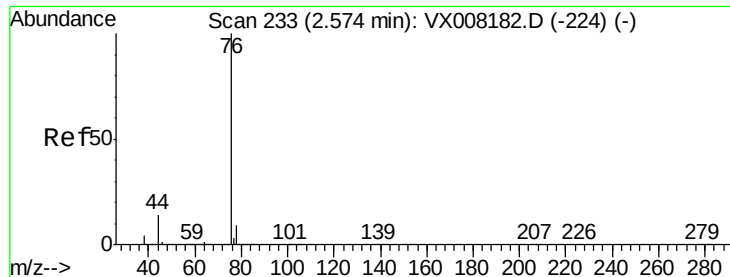
Tot Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 98.5 57.8 86.6#



#16
Acetone
Concen: 0.356 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX008246.D
Acq: 20 Mar 2019 16:54

Tgt Ion: 43 Resp: 989
Ion Ratio Lower Upper
43 100
58 44.9 25.5 38.3#





#17

Carbon Disulfide

Concen: 0.757 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

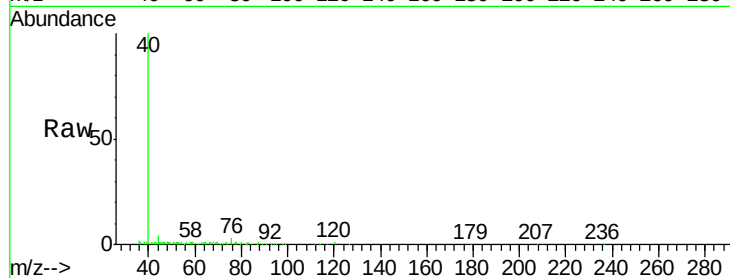
BPS1-TT-MW302S-20190314

Tot Ion: 76 Resp: 1066

Ion Ratio Lower Upper

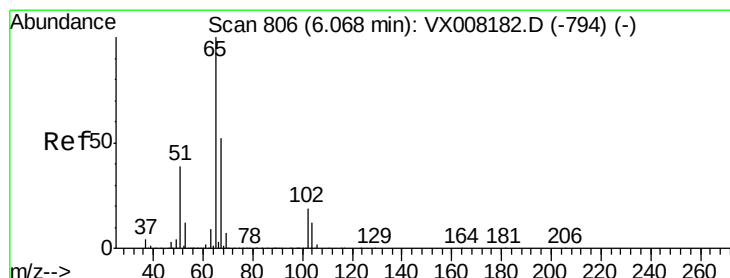
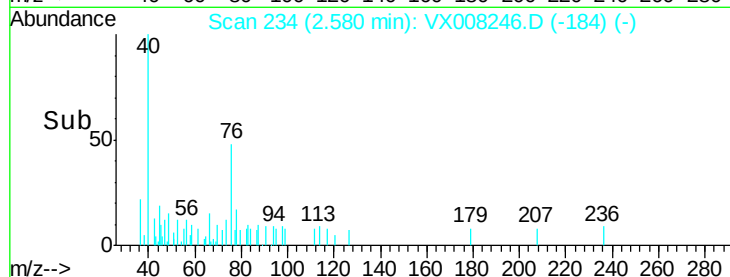
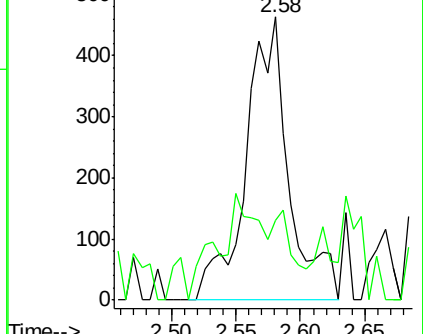
76 100

78 28.3 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: 46.471 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008246.D

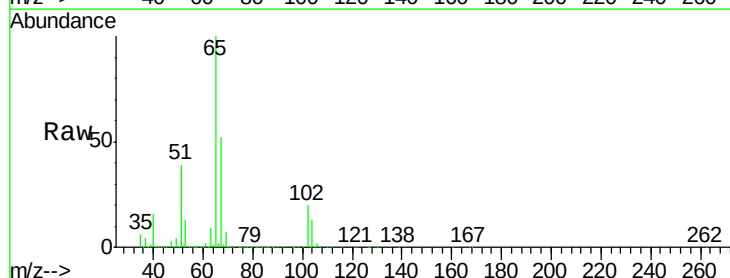
Acq: 20 Mar 2019 16:54

Tgt Ion: 65 Resp: 227694

Ion Ratio Lower Upper

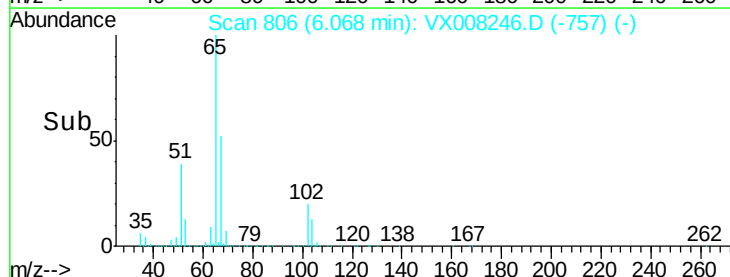
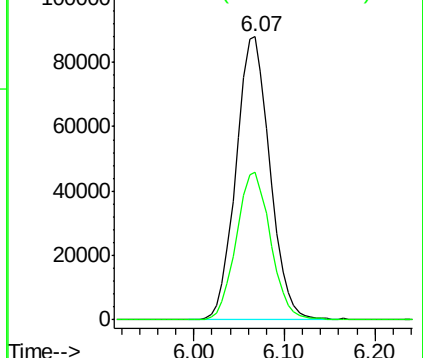
65 100

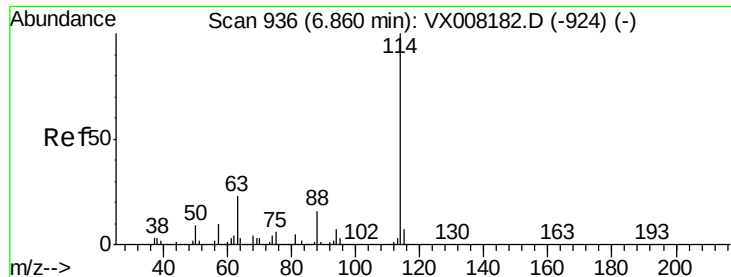
67 53.1 0.0 110.0



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: VX008246.D

Acq: 20 Mar 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302S-20190314

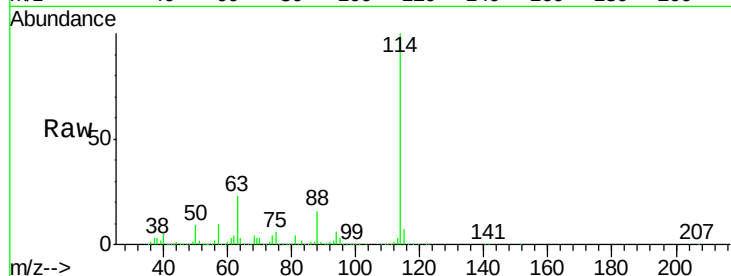
Tot Ion:114 Resp: 531430

Ion Ratio Lower Upper

114 100

63 23.2 0.0 39.8

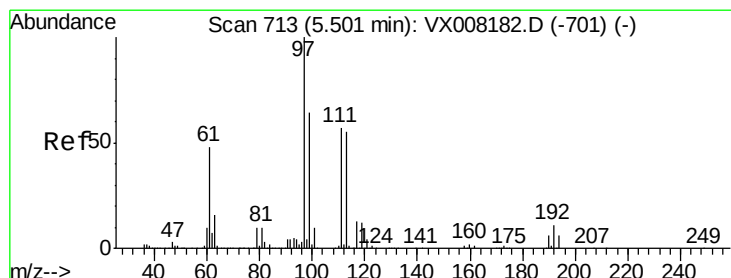
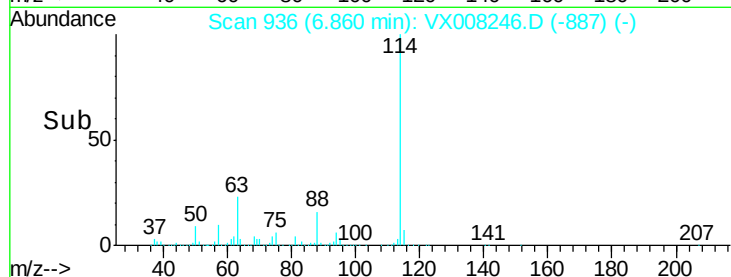
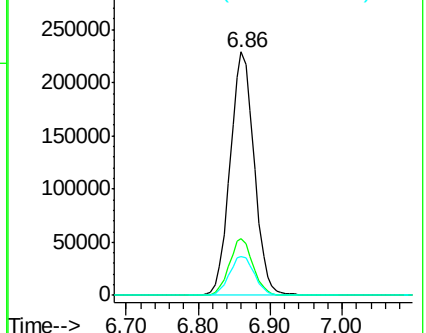
88 16.1 0.0 31.4



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



#35

Dibromofluoromethane

Concen: 47.382 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

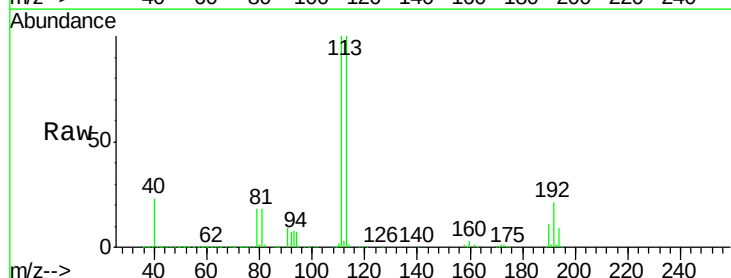
Tgt Ion:113 Resp: 168566

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

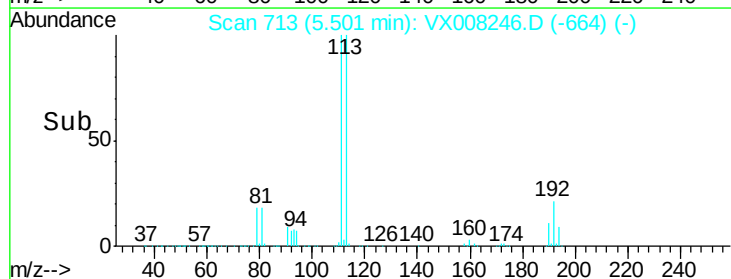
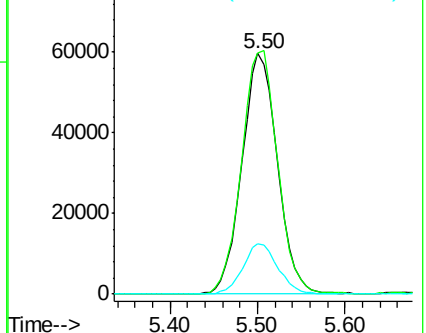
192 20.6 19.4 29.0

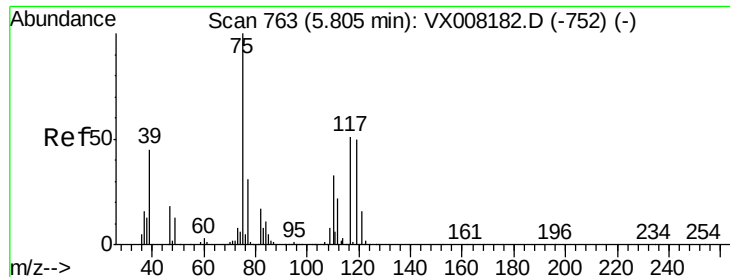


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.244 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.15 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302S-20190314

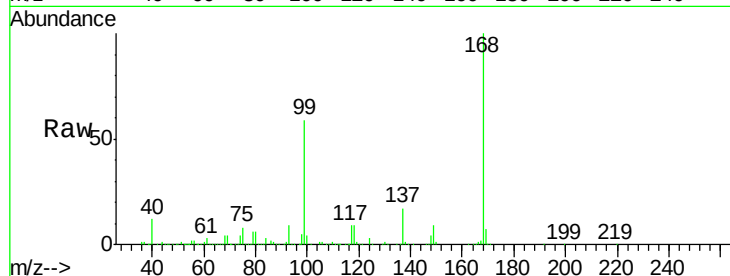
Tot Ion: 75 Resp: 26258

Ion Ratio Lower Upper

75 100

110 9.3 18.4 55.0#

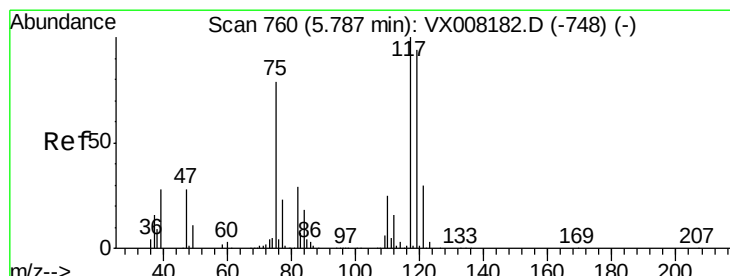
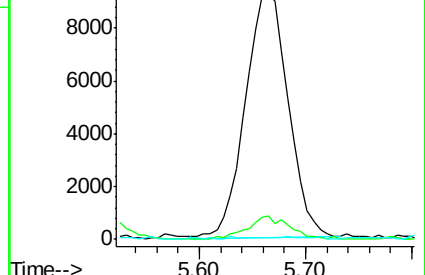
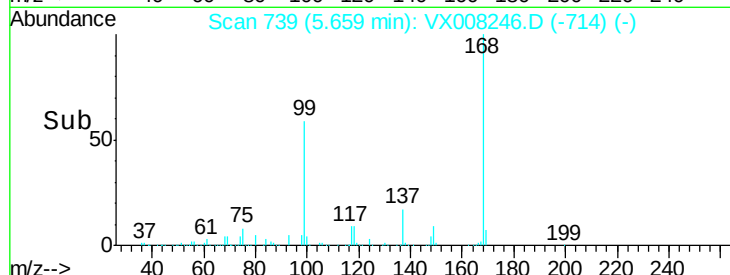
77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 5.659 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

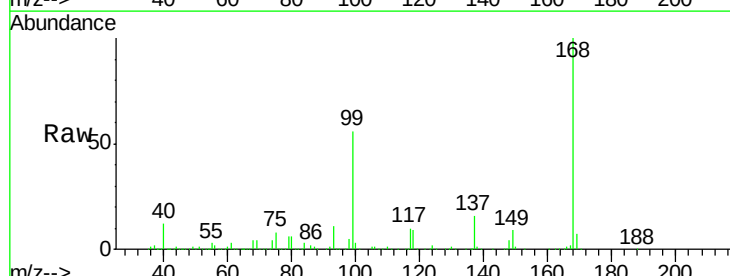
Tgt Ion:117 Resp: 31199

Ion Ratio Lower Upper

117 100

119 4.6 76.2 114.2#

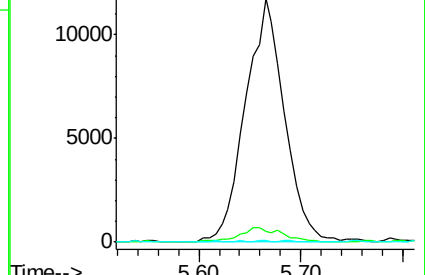
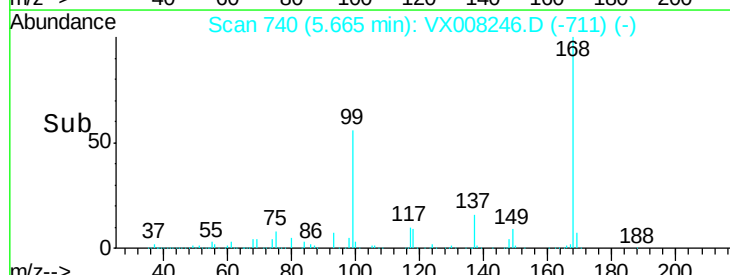
121 0.6 24.6 36.8#

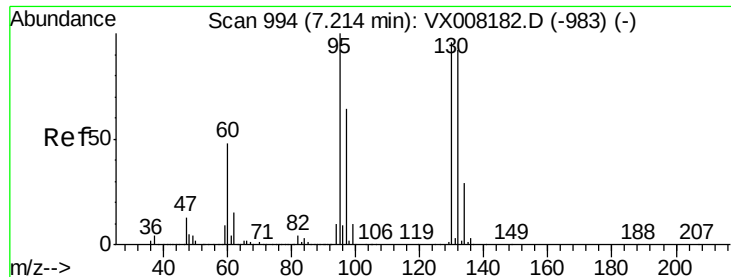


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.618 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

Instrument :

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ClientSampleId :

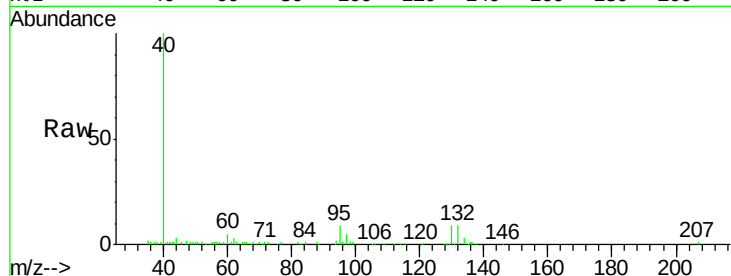
BPS1-TT-MW302S-20190314

Tot Ion:130 Resp: 2765

Ion Ratio Lower Upper

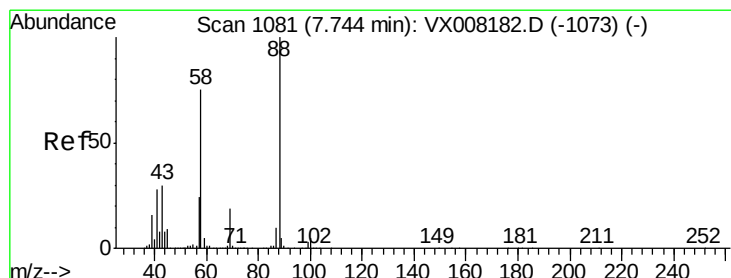
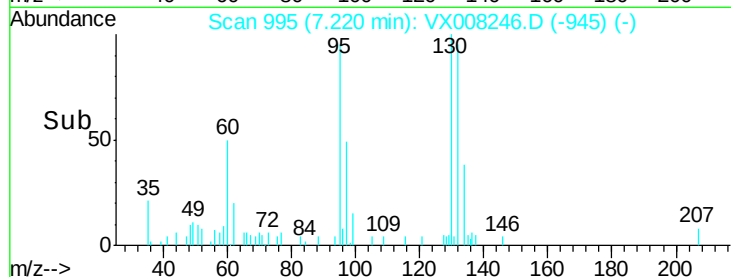
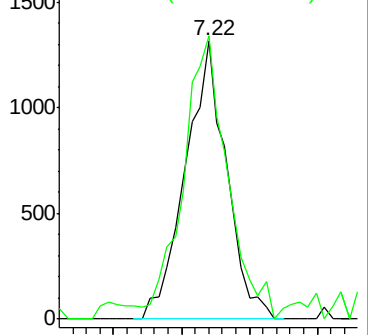
130 100

95 97.6 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: 3.045 ug/l

RT: 7.76 min Scan# 1084

Delta R.T. 0.02 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

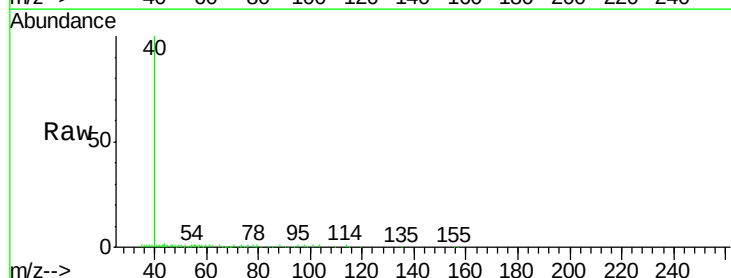
Tgt Ion: 88 Resp: 335

Ion Ratio Lower Upper

88 100

43 200.0 25.1 37.7#

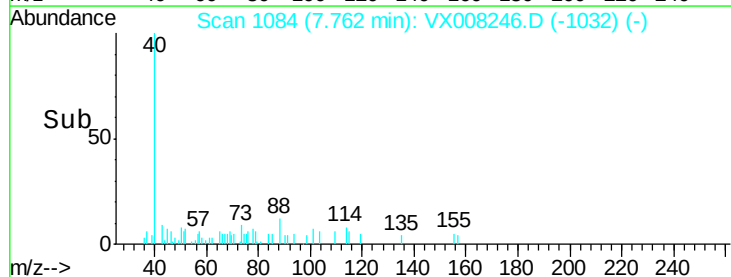
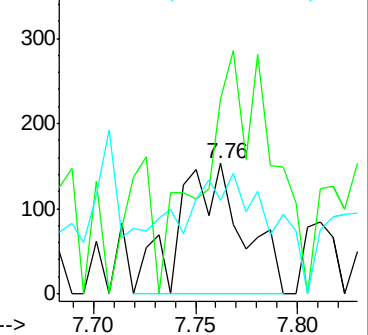
58 131.9 57.8 86.6#

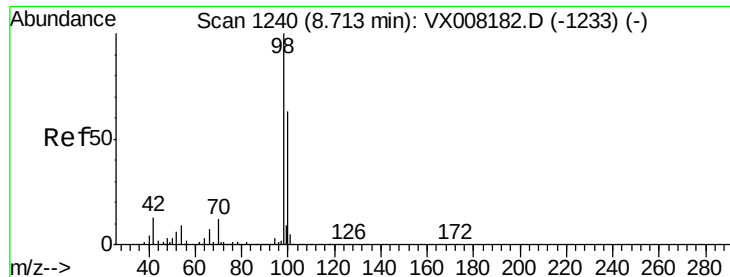


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

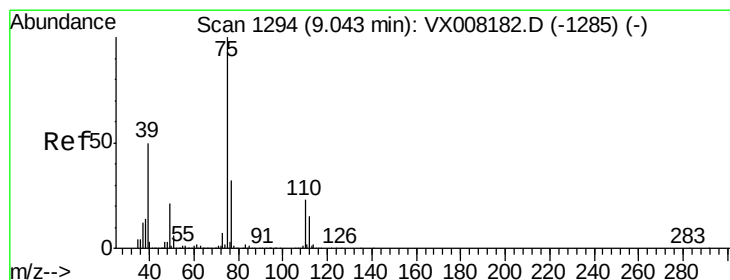
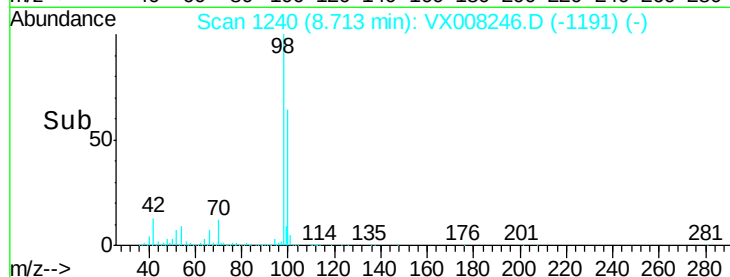
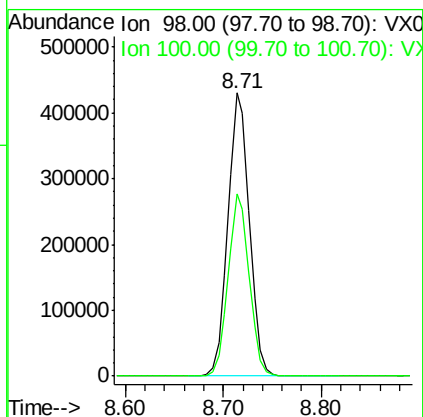
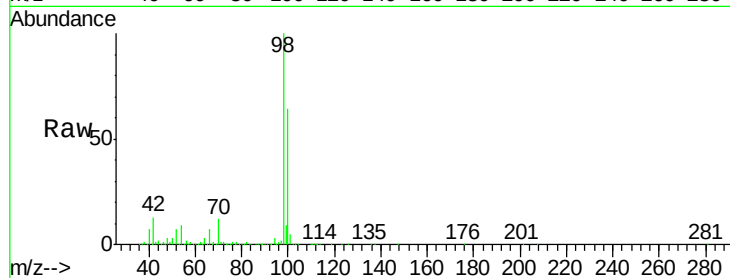




#50
Toluene-d8
Concen: 48.385 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008246.D
Acq: 20 Mar 2019 16:54

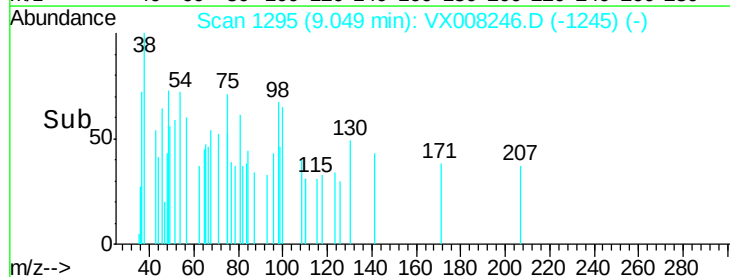
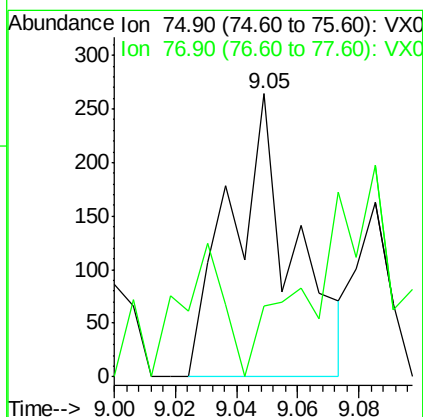
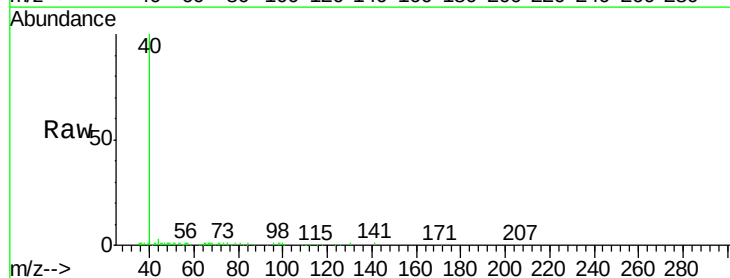
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW302S-20190314

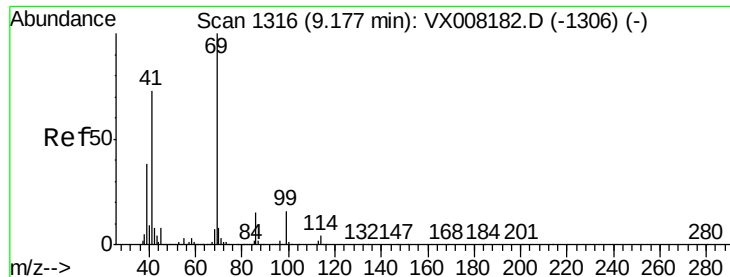
Tot Ion: 98 Resp: 652615
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#53
t-1,3-Dichloropropene
Concen: 1.472 ug/l
RT: 9.05 min Scan# 1295
Delta R.T. 0.01 min
Lab File: VX008246.D
Acq: 20 Mar 2019 16:54

Tgt Ion: 75 Resp: 376
Ion Ratio Lower Upper
75 100
77 1.9 25.4 38.0#





#56

Ethyl methacrylate

Concen: 0.527 ug/l

RT: 9.19 min Scan# 1318

Delta R.T. 0.01 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302S-20190314

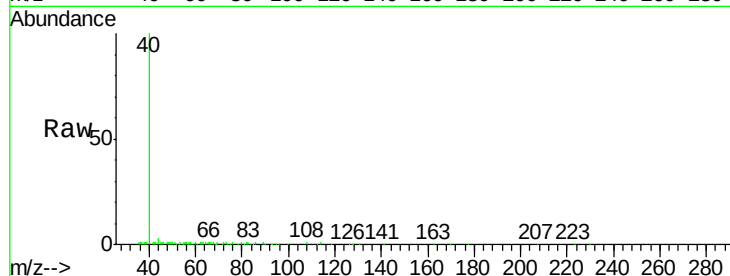
Tot Ion: 69 Resp: 12

Ion Ratio Lower Upper

69 100

41 691.7 54.2 81.4#

39 0.0 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

250

200

150

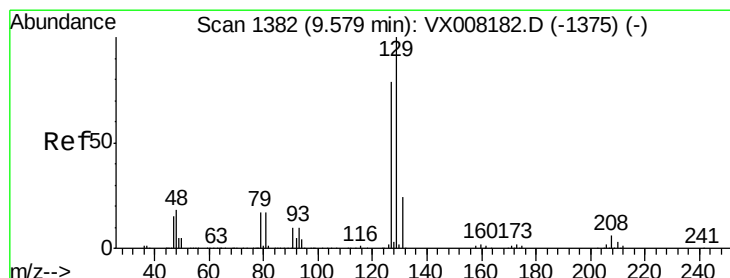
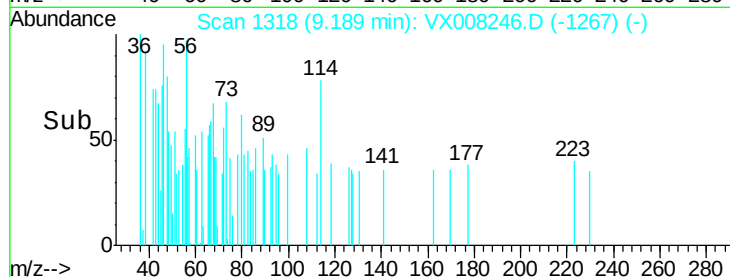
100

50

0

9.18 9.19 9.19 9.20

Time-->



#60

Dibromochloromethane

Concen: 0.919 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX008246.D

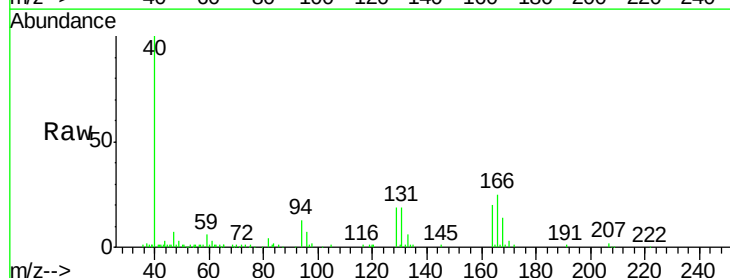
Acq: 20 Mar 2019 16:54

Tgt Ion: 129 Resp: 3876

Ion Ratio Lower Upper

129 100

127 0.9 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

3000

2500

2000

1500

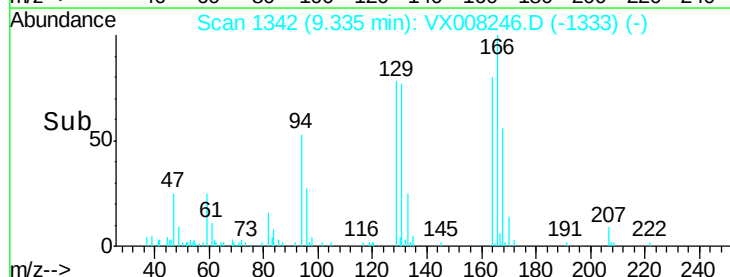
1000

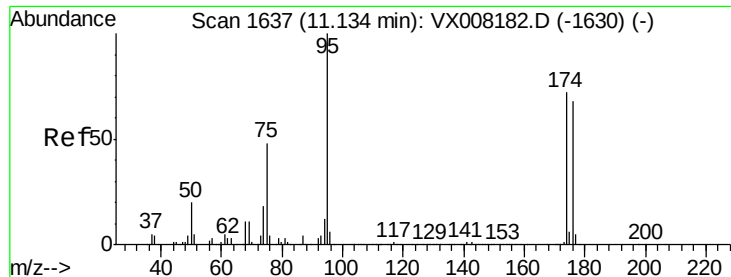
500

0

9.30 9.35 9.40

Time-->





#62

4-Bromofluorobenzene

Concen: 43.088 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302S-20190314

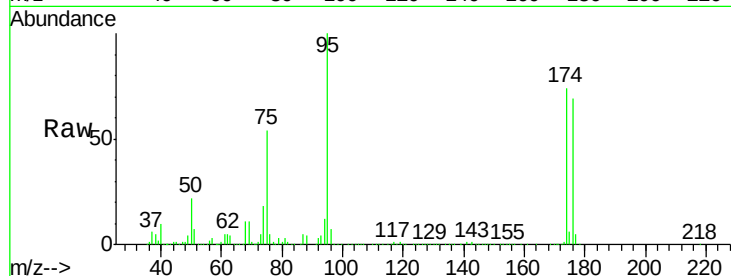
Tot Ion: 95 Resp: 200107

Ion Ratio Lower Upper

95 100

174 78.7 0.0 182.8

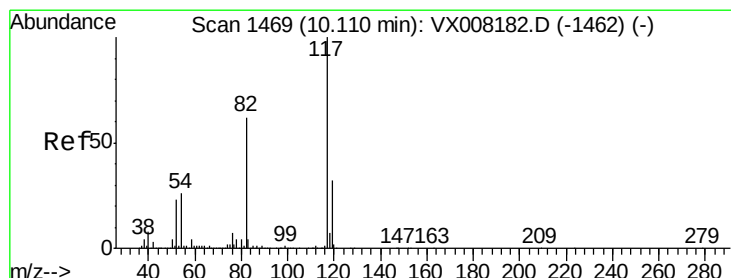
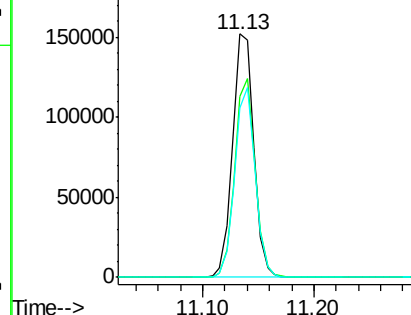
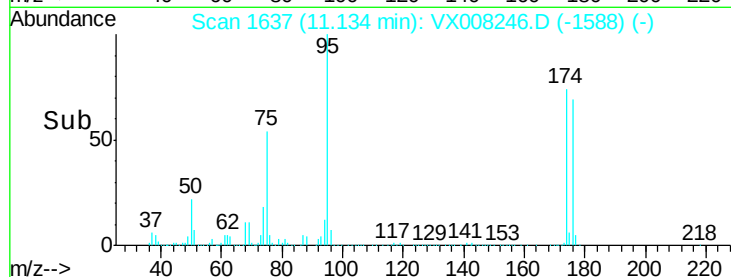
176 75.5 0.0 178.0



Abundance Ion 94.90 (94.60 to 95.60): VX008246.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX008246.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX008246.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

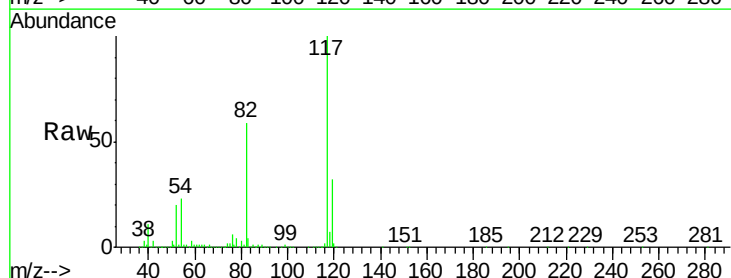
Tgt Ion: 117 Resp: 442044

Ion Ratio Lower Upper

117 100

82 58.7 44.3 66.5

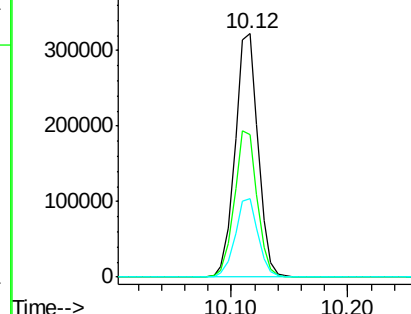
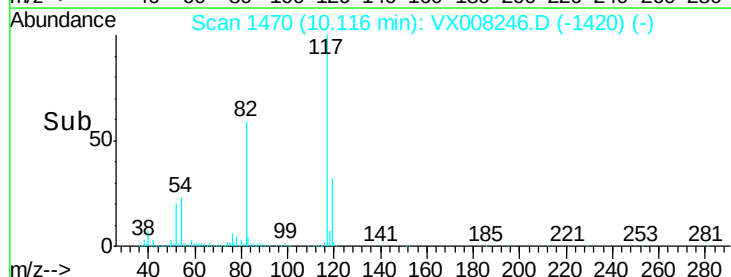
119 32.0 25.3 37.9

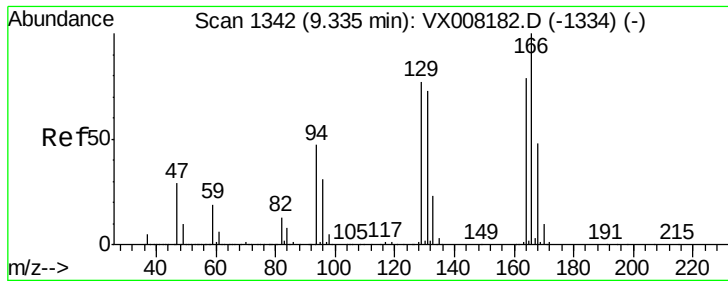


Abundance Ion 116.90 (116.60 to 117.60): VX008246.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX008246.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX008246.D (-1420) (-)





#64

Tetrachloroethene

Concen: 1.003 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302S-20190314

Tot Ion:164 Resp: 3999

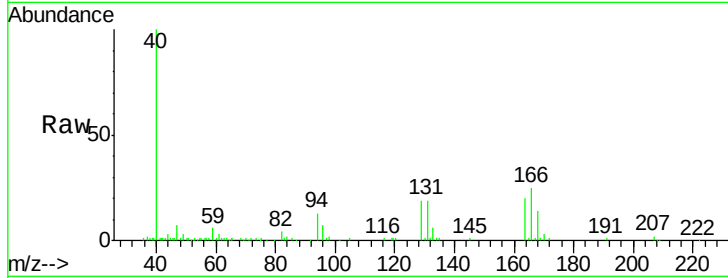
Ion Ratio Lower Upper

164 100

166 124.5 103.4 155.0

129 96.6 72.2 108.4

131 94.3 69.4 104.2

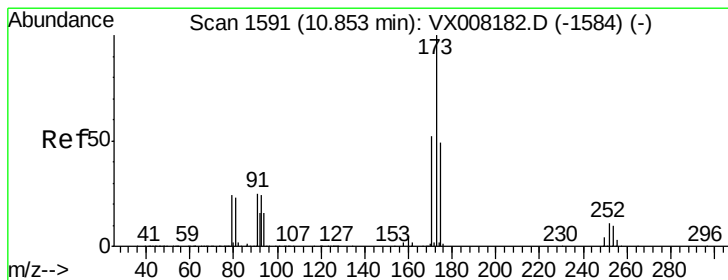
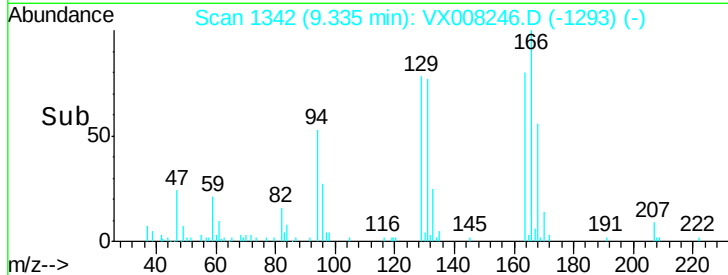
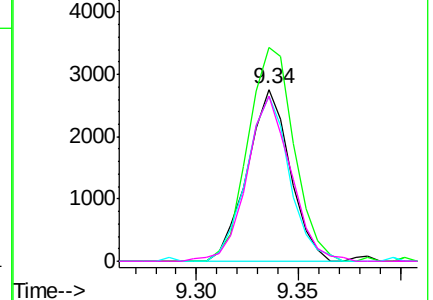


Abundance Ion 163.80 (163.50 to 164.50): V

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



#71

Bromoform

Concen: 2.221 ug/l

RT: 11.08 min Scan# 1629

Delta R.T. 0.23 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

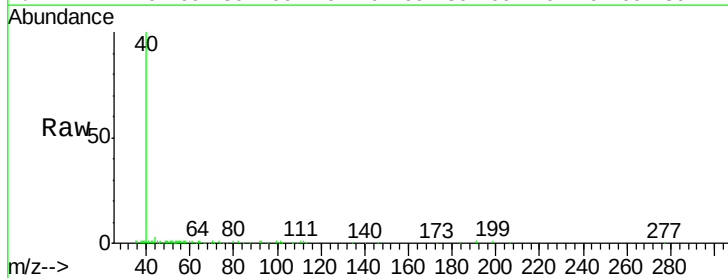
Tgt Ion:173 Resp: 63

Ion Ratio Lower Upper

173 100

175 0.0 24.3 72.9#

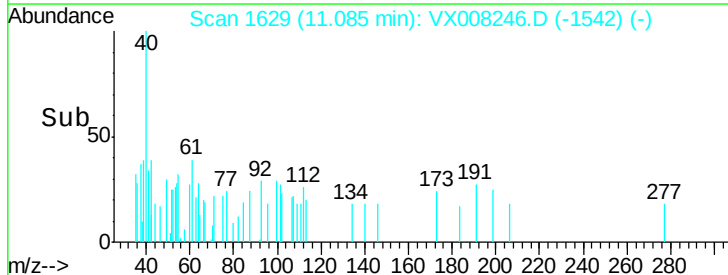
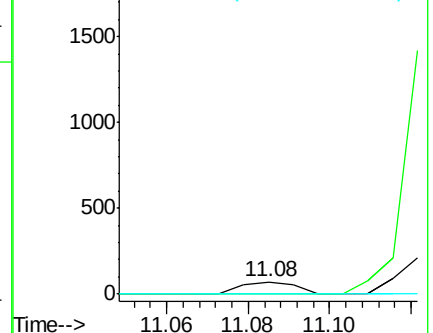
254 0.0 0.1 0.1#

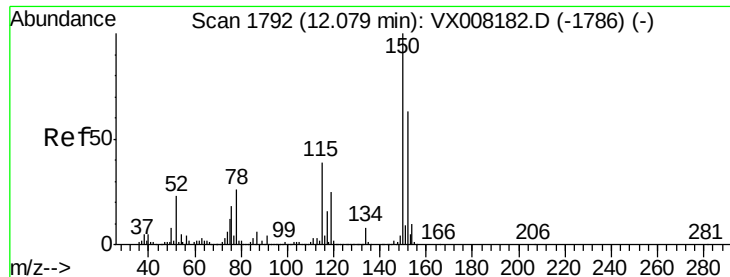


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



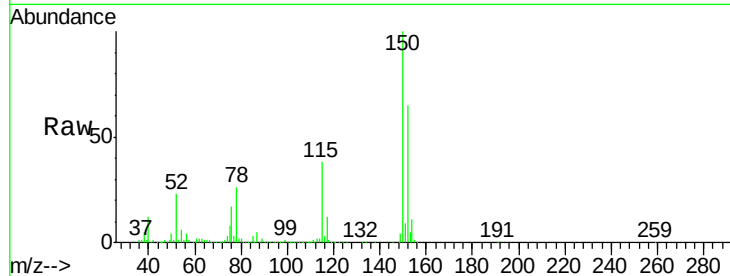


#72

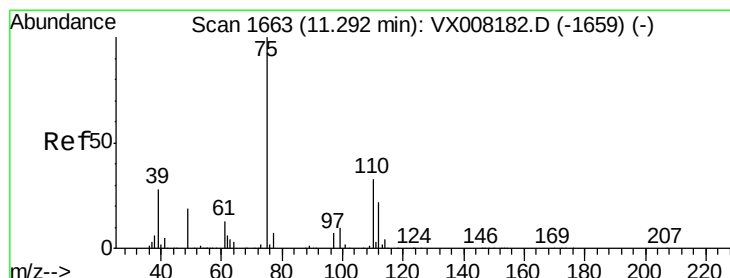
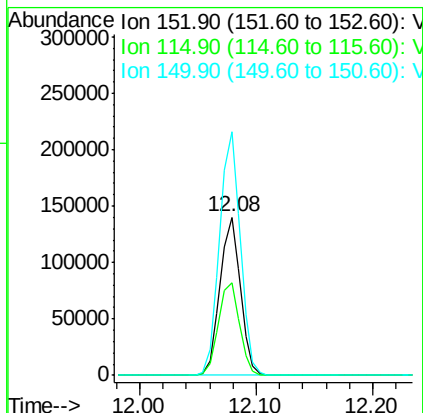
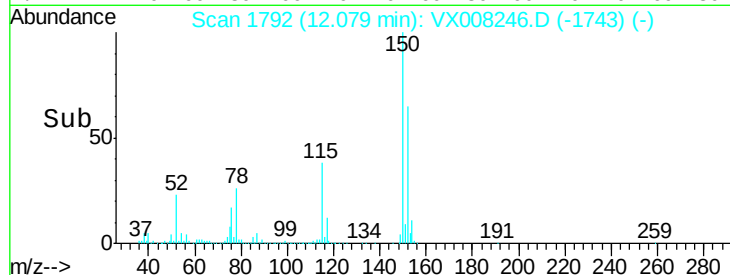
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX008246.D
Acq: 20 Mar 2019 16:54

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

Tot Ion:152 Resp: 170124
Ion Ratio Lower Upper
152 100
115 60.1 38.6 115.7
150 156.0 0.0 348.4



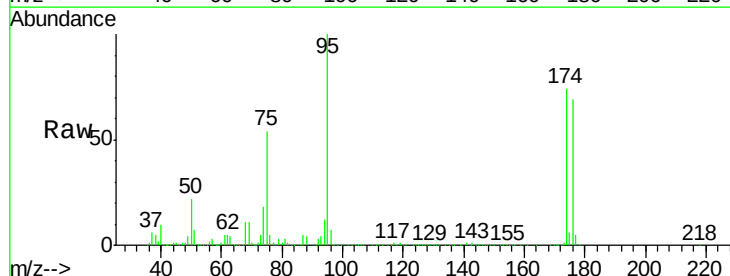
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



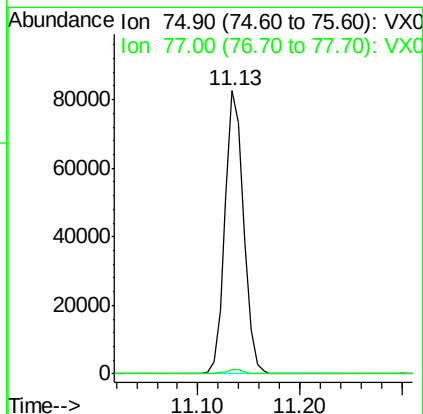
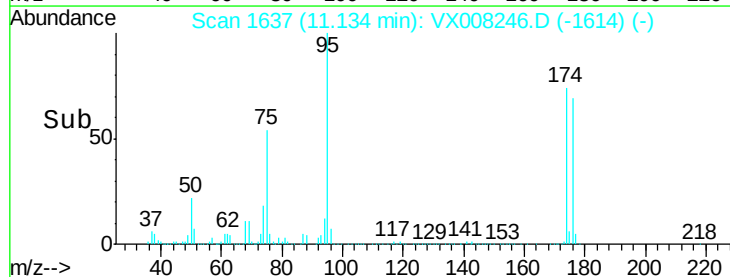
#76

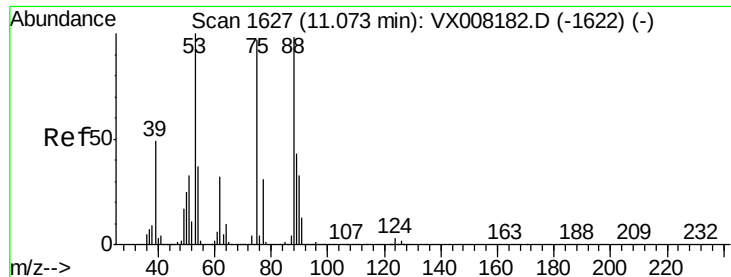
1,2,3-Trichloropropane
Concen: 21.824 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008246.D
Acq: 20 Mar 2019 16:54

Tgt Ion: 75 Resp: 104427
Ion Ratio Lower Upper
75 100
77 1.6 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: 55.474 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008246.D

Acq: 20 Mar 2019 16:54

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW302S-20190314

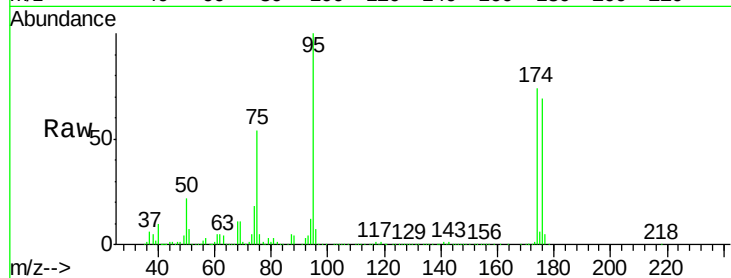
Tot Ion: 75 Resp: 104427

Ion Ratio Lower Upper

75 100

53 0.2 76.1 114.1#

89 0.1 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

