

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032319\
 Data File : VX008359.D
 Acq On : 23 Mar 2019 18:56
 Operator : JC/SP
 Sample : K1937-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW303D-20190313

Quant Time: Mar 25 08:01:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 15:27:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	230957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	401505	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	342691	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	139551	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	171799	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
35) Dibromofluoromethane	5.50	113	124786	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	
50) Toluene-d8	8.71	98	505526	49.13	ug/l	0.00
Spiked Amount			Recovery	=	98.26%	
62) 4-Bromofluorobenzene	11.13	95	168344	44.56	ug/l	0.00
Spiked Amount			Recovery	=	89.12%	

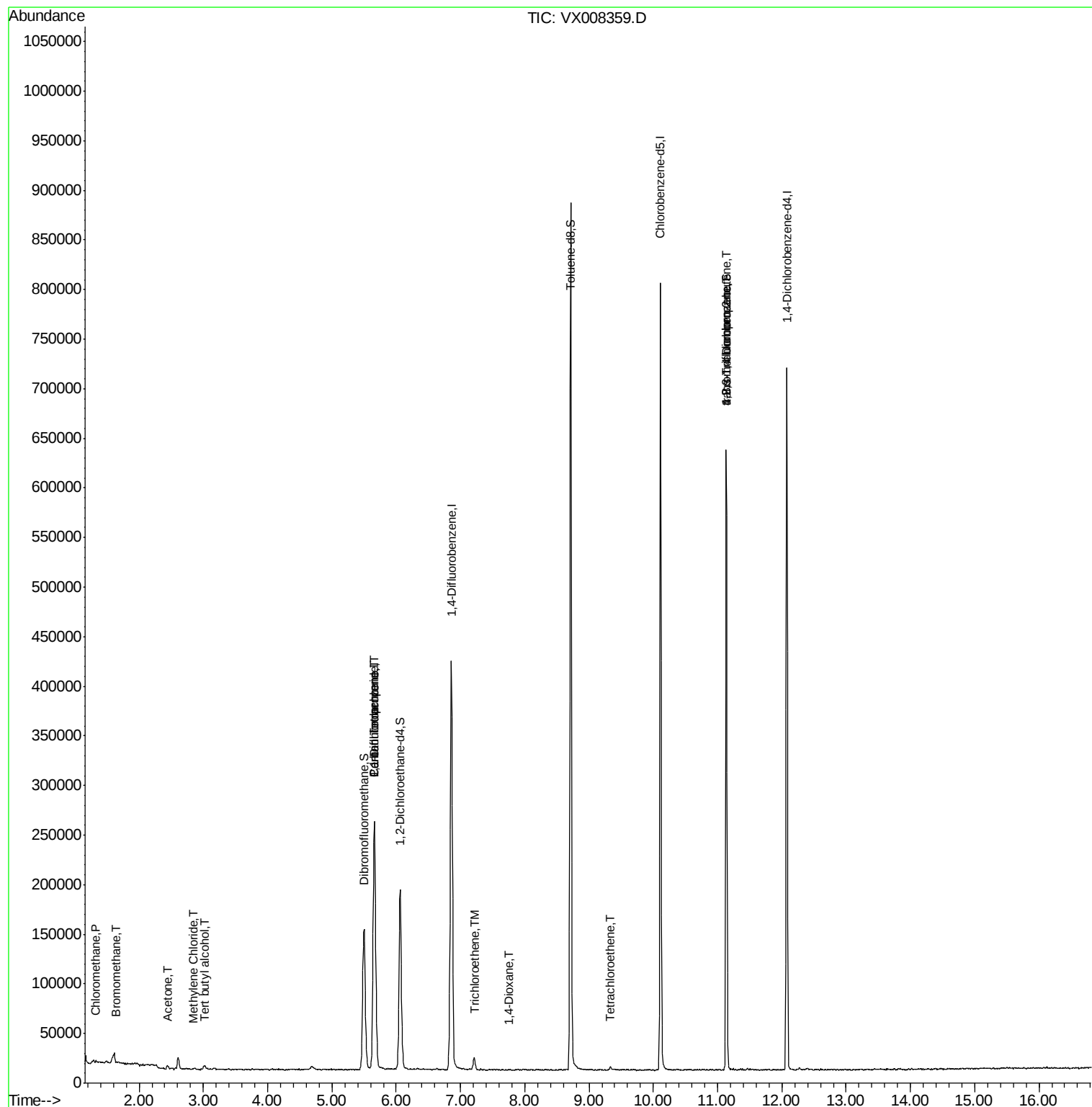
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1374	0.355	ug/l #	75
5) Bromomethane	1.64	94	615	0.258	ug/l	94
11) Tert butyl alcohol	3.02	59	2480	3.161	ug/l #	90
16) Acetone	2.44	43	3671	2.085	ug/l	99
20) Methylene Chloride	2.85	84	684	0.216	ug/l #	76
36) 1,1-Dichloropropene	5.66	75	19687	4.798	ug/l #	49
38) Carbon Tetrachloride	5.66	117	22940	6.523	ug/l #	17
44) Trichloroethene	7.22	130	4597	1.584	ug/l	98
49) 1,4-Dioxane	7.76	88	44	0.500	ug/l #	22
64) Tetrachloroethene	9.34	164	579	0.258	ug/l #	80
76) 1,2,3-Trichloropropane	11.13	75	86802	23.764	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	86802	67.720	ug/l #	11

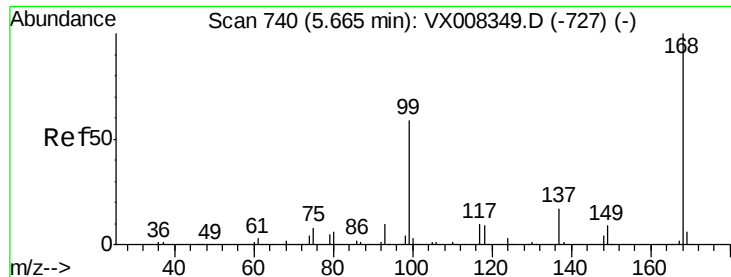
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX008359.D

Acq: 23 Mar 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

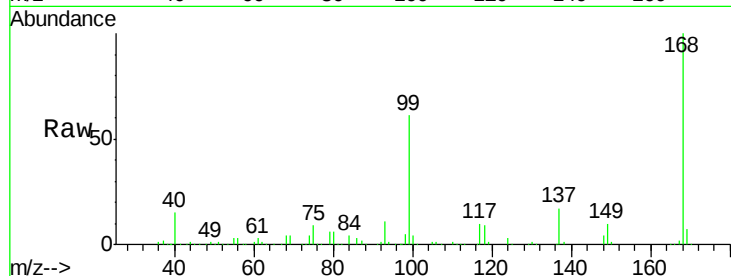
BPS1-TT-MW303D-20190313

Tot Ion:168 Resp: 230957

Ion Ratio Lower Upper

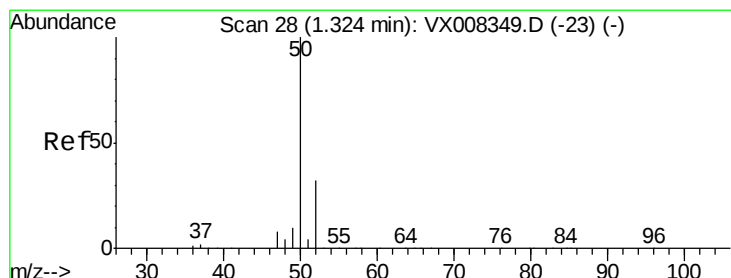
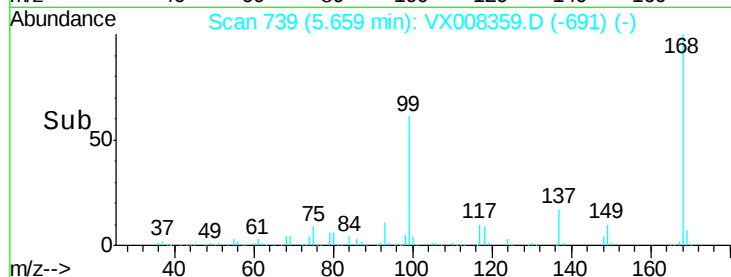
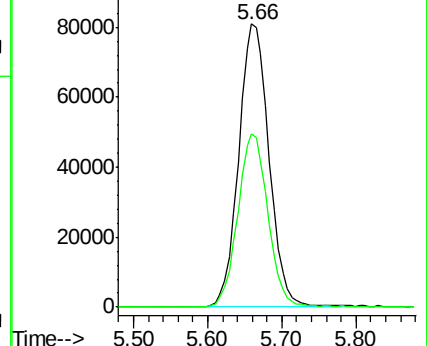
168 100

99 61.4 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.355 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008359.D

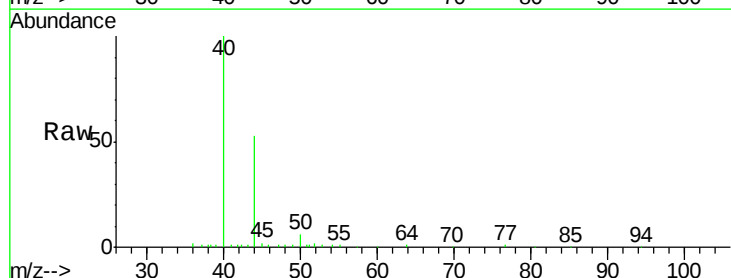
Acq: 23 Mar 2019 18:56

Tgt Ion: 50 Resp: 1374

Ion Ratio Lower Upper

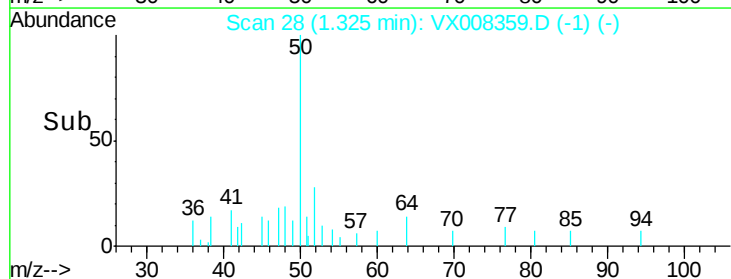
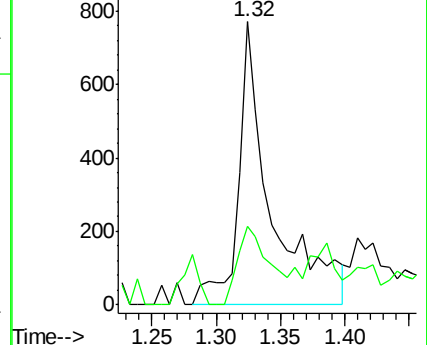
50 100

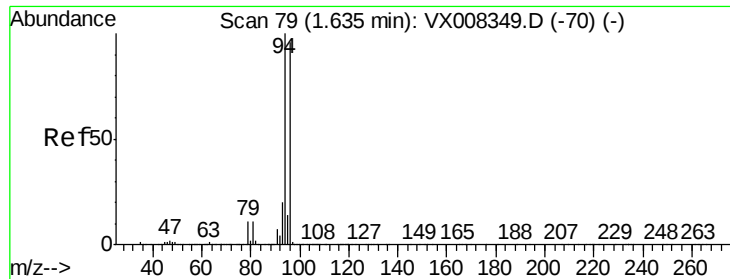
52 18.7 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.258 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX008359.D

Acq: 23 Mar 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

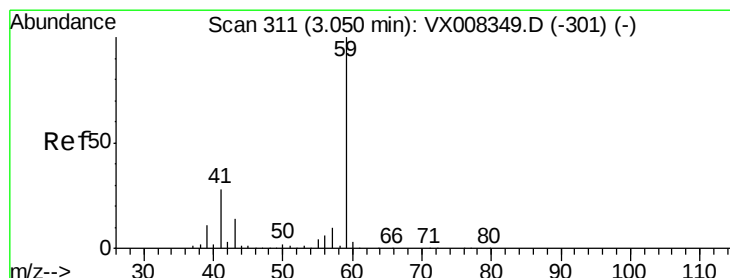
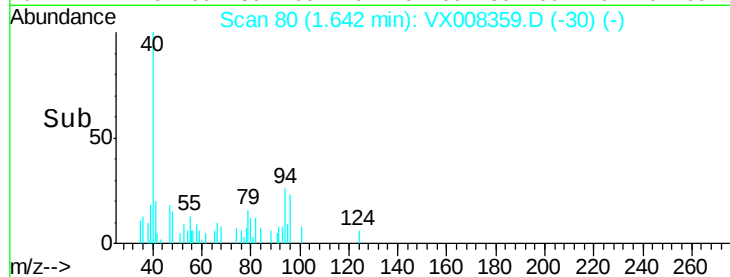
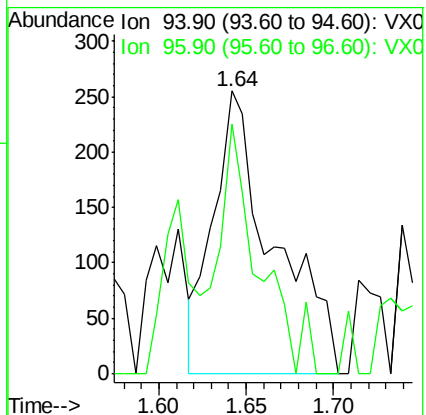
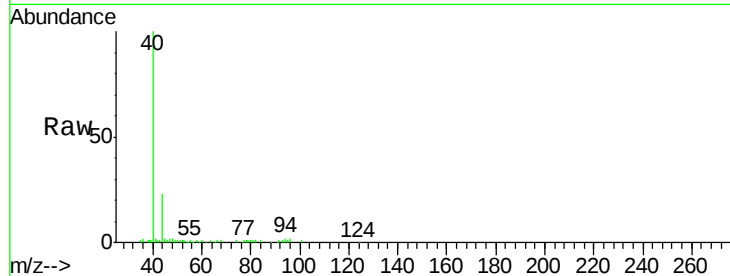
BPS1-TT-MW303D-20190313

Tot Ion: 94 Resp: 615

Ion Ratio Lower Upper

94 100

96 88.2 75.5 113.3



#11

Tert butyl alcohol

Concen: 3.161 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX008359.D

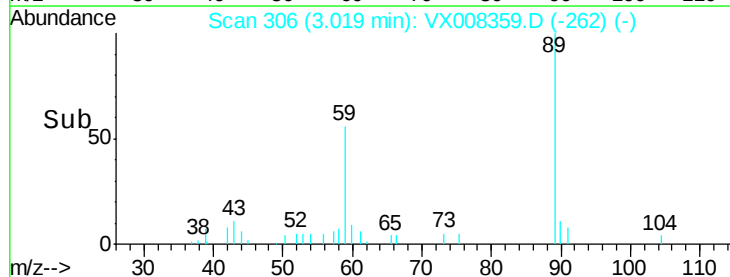
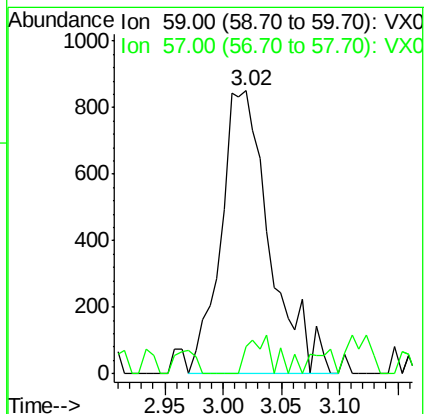
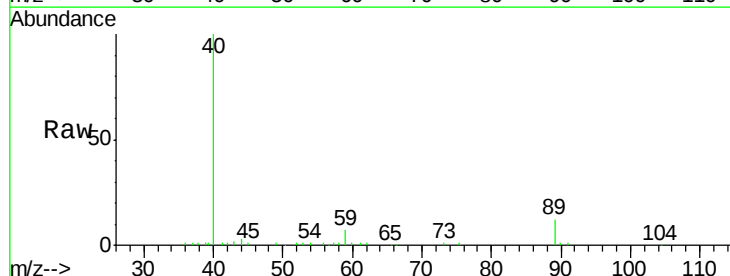
Acq: 23 Mar 2019 18:56

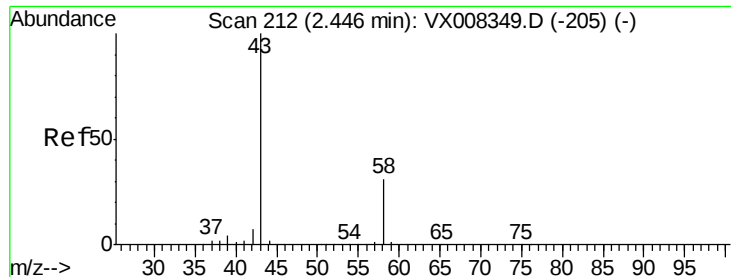
Tgt Ion: 59 Resp: 2480

Ion Ratio Lower Upper

59 100

57 6.7 8.2 12.2#





#16

Acetone

Concen: 2.085 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008359.D

Acq: 23 Mar 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

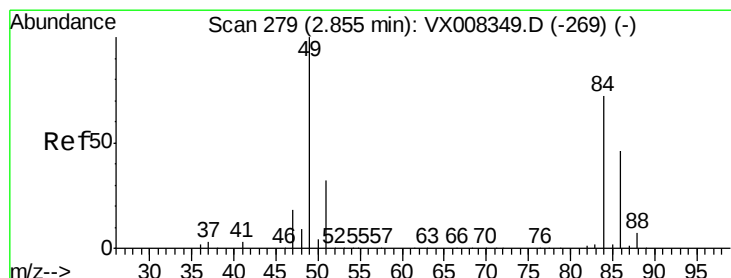
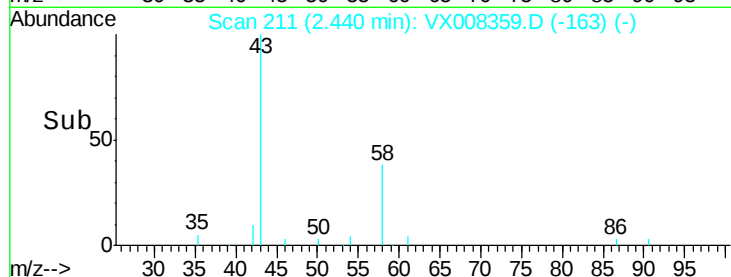
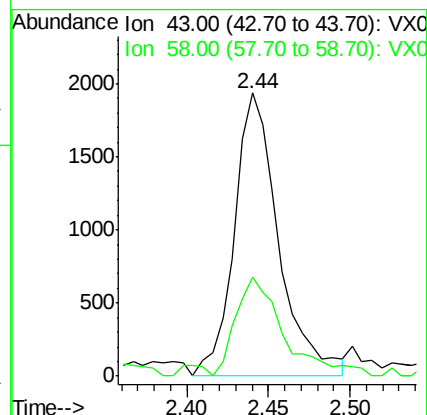
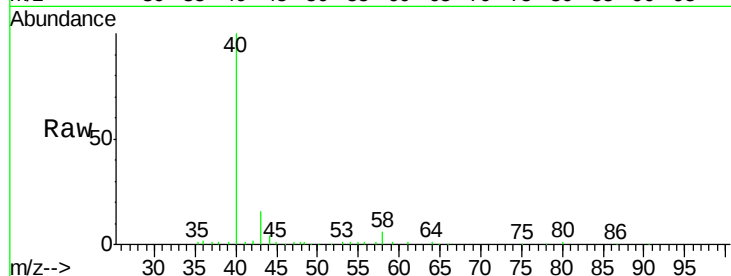
BPS1-TT-MW303D-20190313

Tot Ion: 43 Resp: 3671

Ion Ratio Lower Upper

43 100

58 31.2 25.5 38.3



#20

Methylene Chloride

Concen: 0.216 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX008359.D

Acq: 23 Mar 2019 18:56

Tgt Ion: 84 Resp: 684

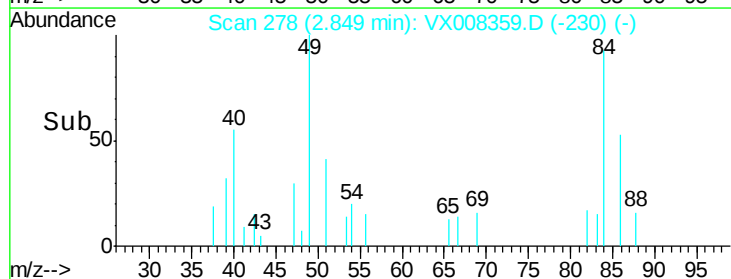
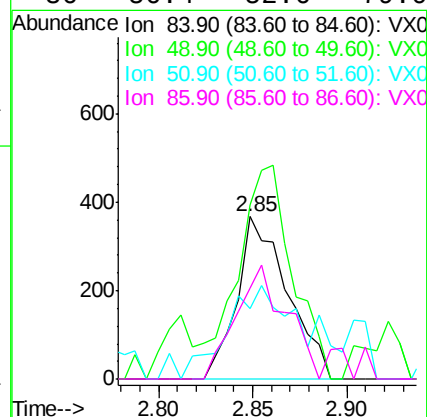
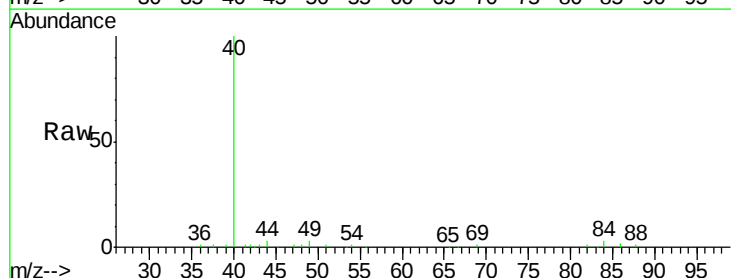
Ion Ratio Lower Upper

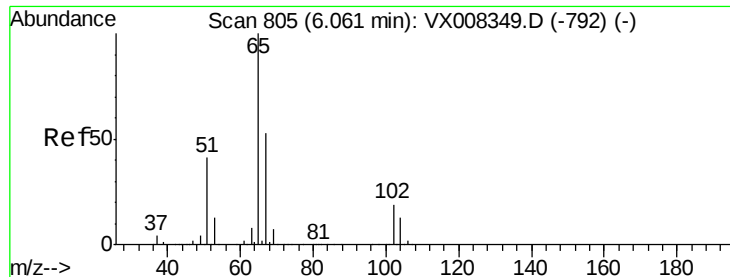
84 100

49 87.2 99.3 148.9#

51 29.4 31.3 46.9#

86 56.4 52.6 79.0





#33

1,2-Dichloroethane-d4

Concen: 48.771 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX008359.D

Acq: 23 Mar 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

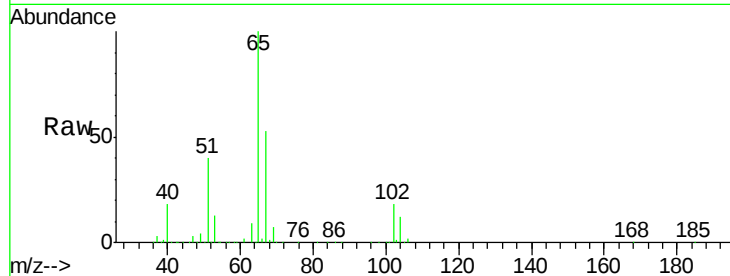
BPS1-TT-MW303D-20190313

Tot Ion: 65 Resp: 171799

Ion Ratio Lower Upper

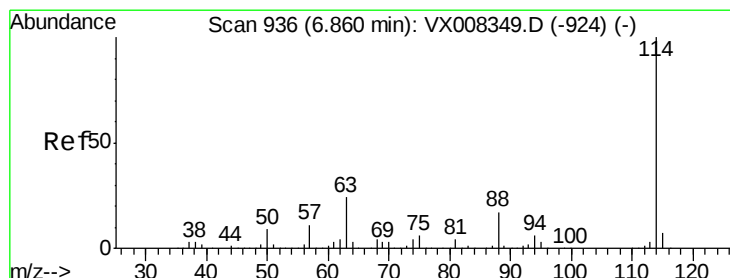
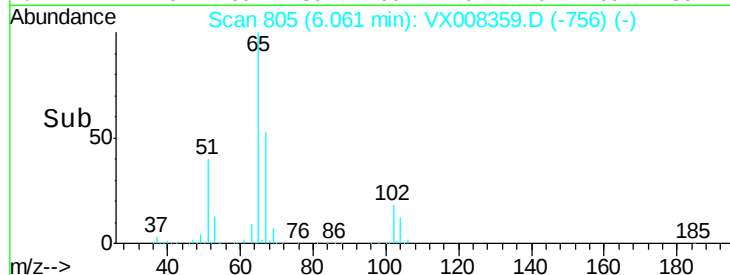
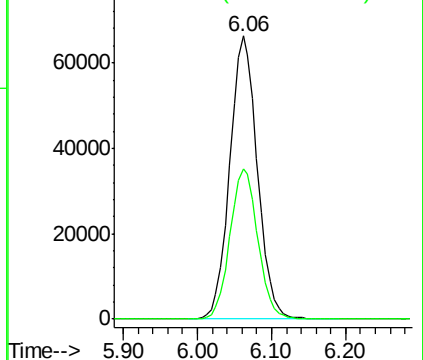
65 100

67 53.6 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: VX008359.D

Acq: 23 Mar 2019 18:56

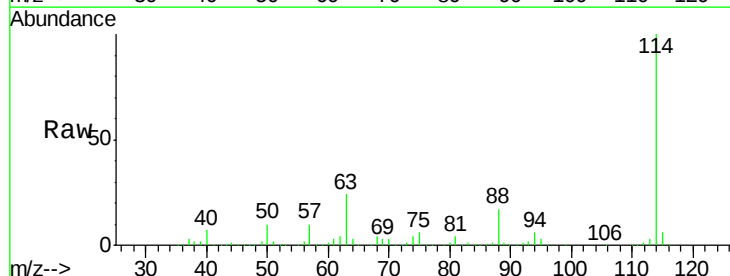
Tgt Ion: 114 Resp: 401505

Ion Ratio Lower Upper

114 100

63 24.3 0.0 39.8

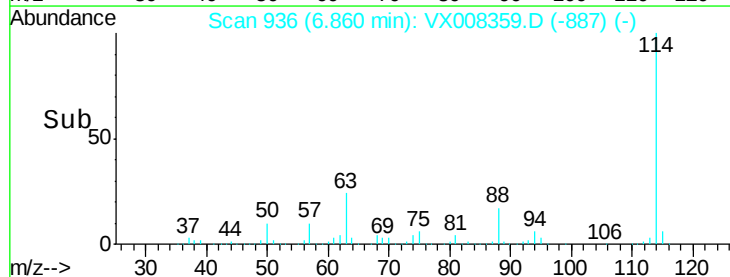
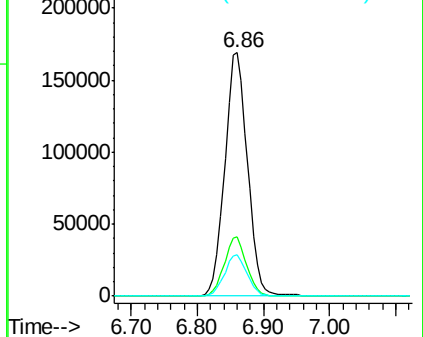
88 17.2 0.0 31.4

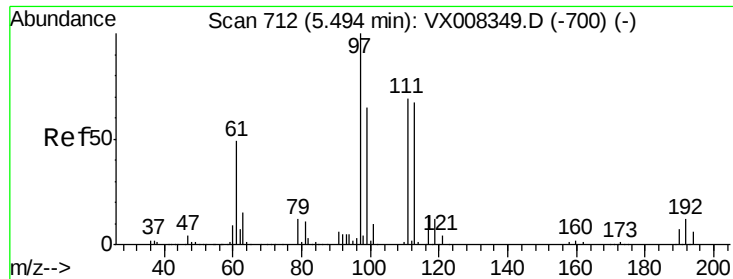


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 47.970 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX008359.D

Acq: 23 Mar 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

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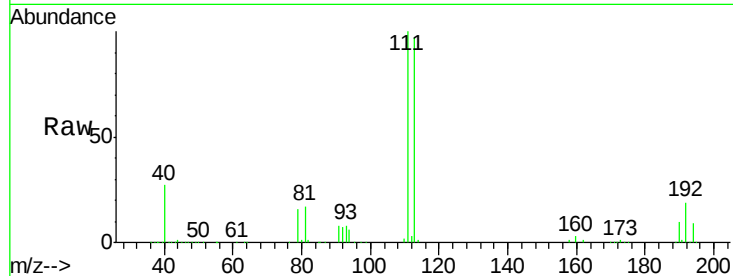
Tot Ion:113 Resp: 124786

Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

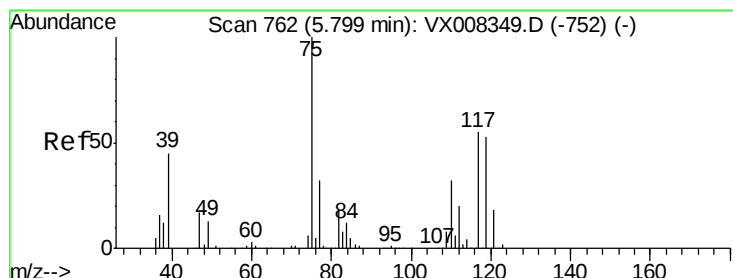
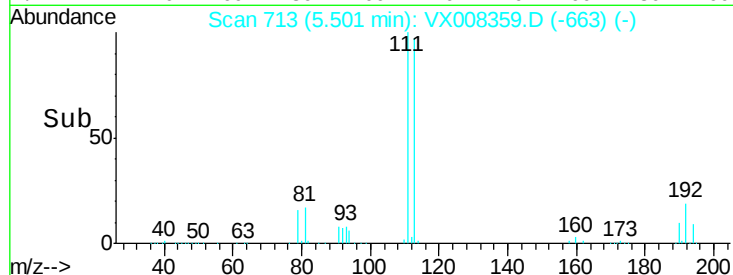
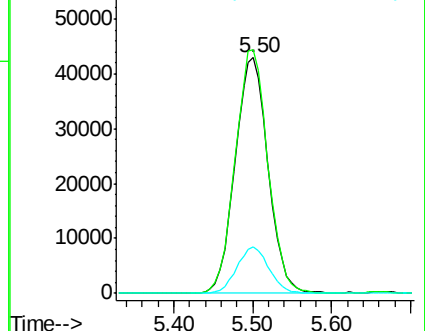
192 19.3 19.4 29.0#



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: 4.798 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008359.D

Acq: 23 Mar 2019 18:56

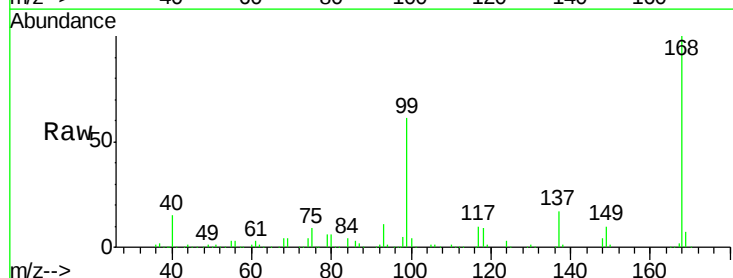
Tgt Ion: 75 Resp: 19687

Ion Ratio Lower Upper

75 100

110 9.0 18.4 55.0#

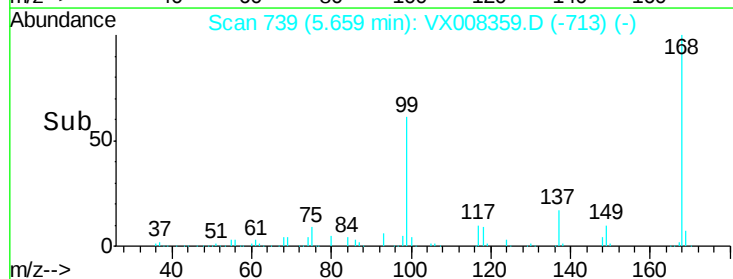
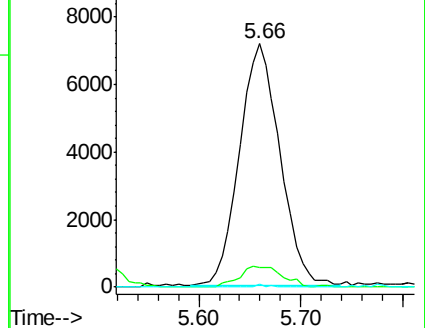
77 0.2 25.0 37.4#

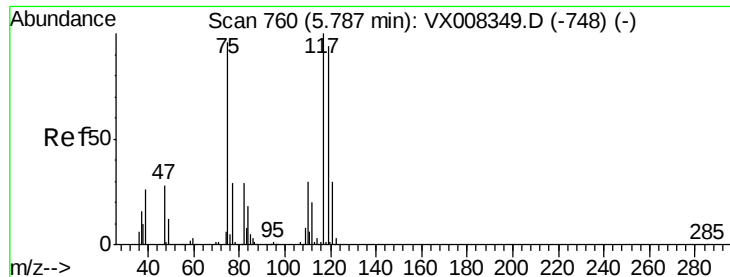


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.523 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008359.D

Acq: 23 Mar 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

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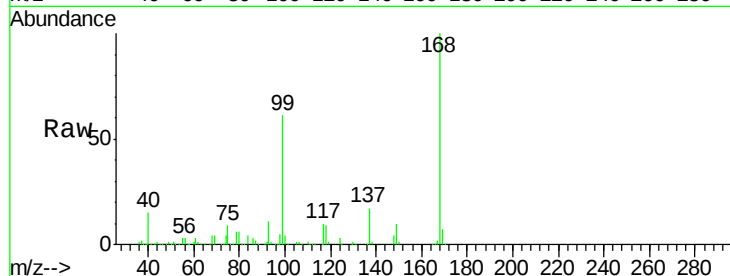
Tot Ion:117 Resp: 22940

Ion Ratio Lower Upper

117 100

119 5.5 76.2 114.2#

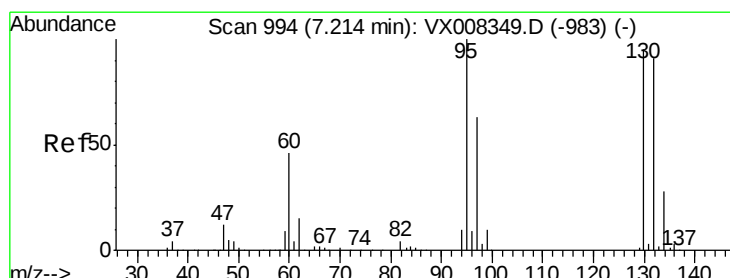
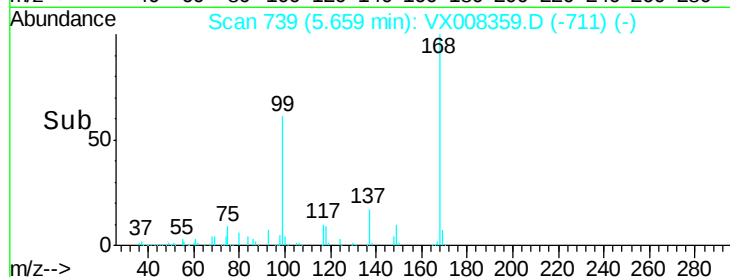
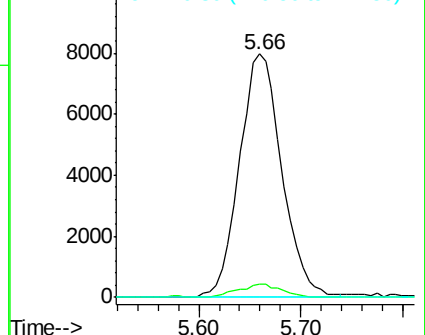
121 0.0 24.6 36.8#



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: 1.584 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX008359.D

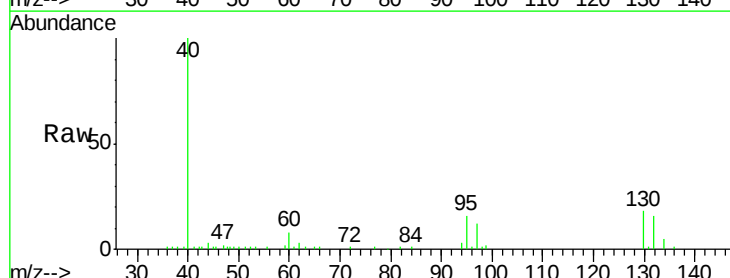
Acq: 23 Mar 2019 18:56

Tgt Ion:130 Resp: 4597

Ion Ratio Lower Upper

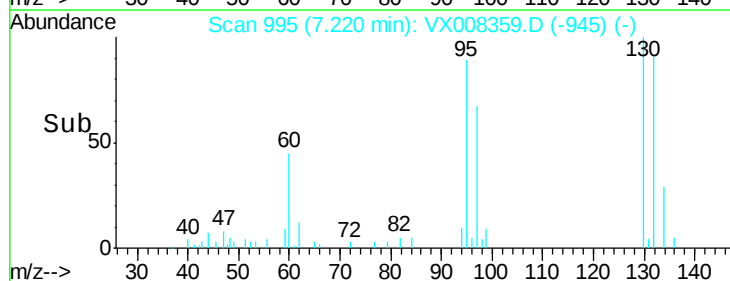
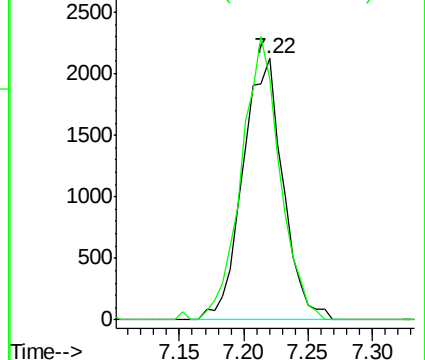
130 100

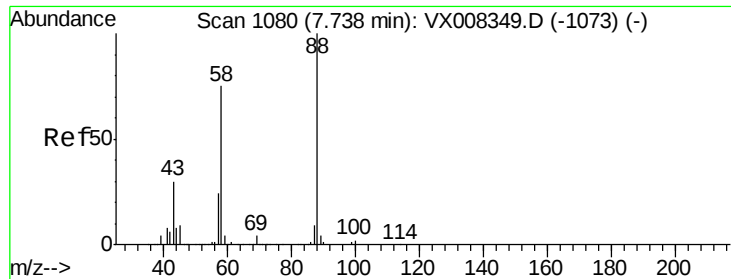
95 92.2 0.0 188.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

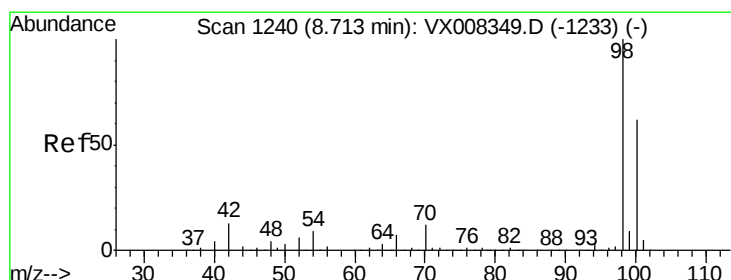
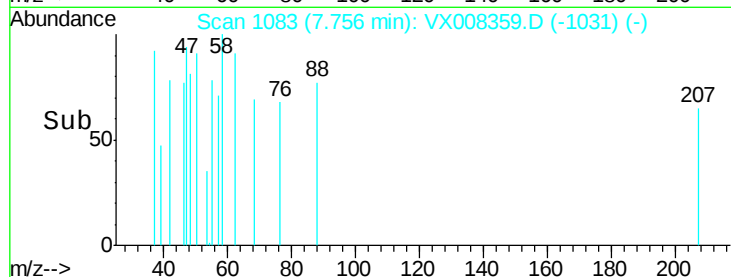
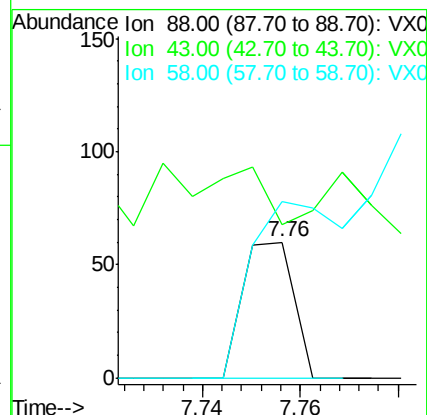
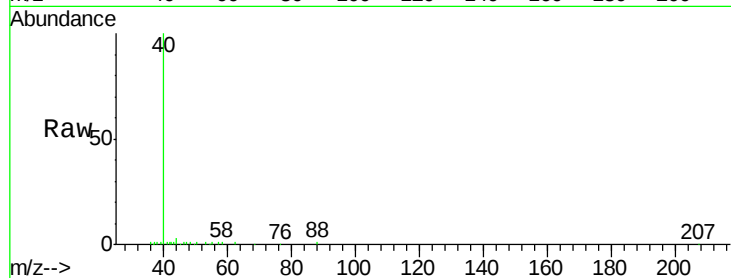




#49
1,4-Dioxane
Concen: 0.500 ug/l
RT: 7.76 min Scan# 1083
Delta R.T. 0.02 min
Lab File: VX008359.D
Acq: 23 Mar 2019 18:56

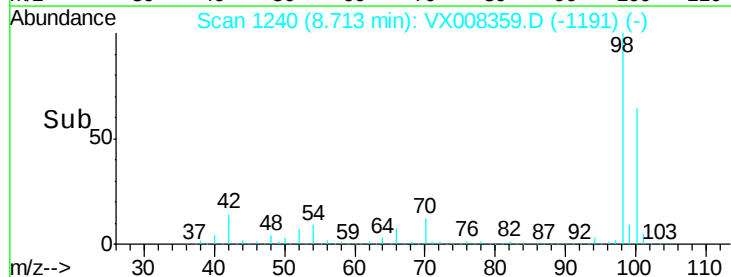
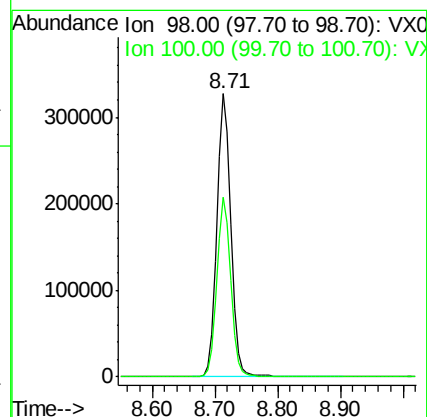
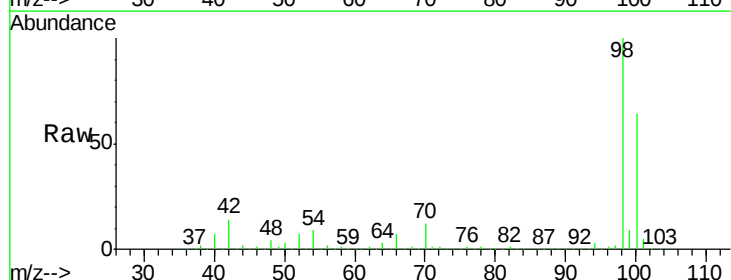
Instrument :
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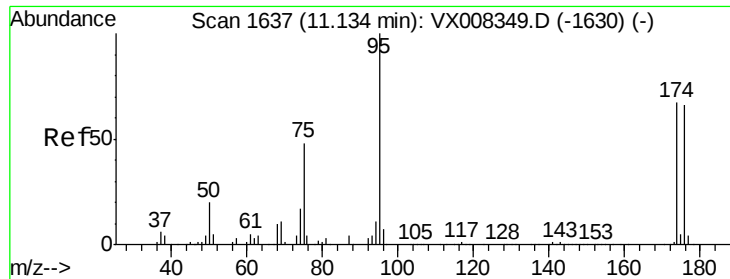
Tot Ion: 88 Resp: 44
Ion Ratio Lower Upper
88 100
43 0.0 25.1 37.7#
58 0.0 57.8 86.6#



#50
Toluene-d8
Concen: 49.133 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008359.D
Acq: 23 Mar 2019 18:56

Tgt Ion: 98 Resp: 505526
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5

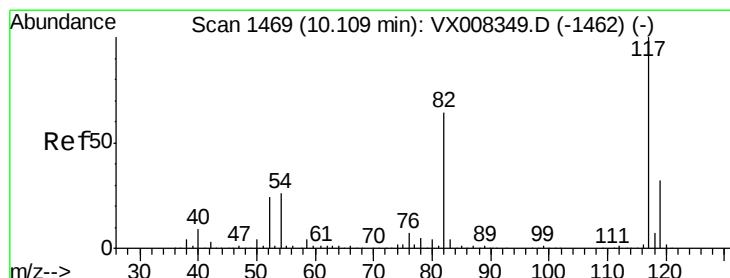
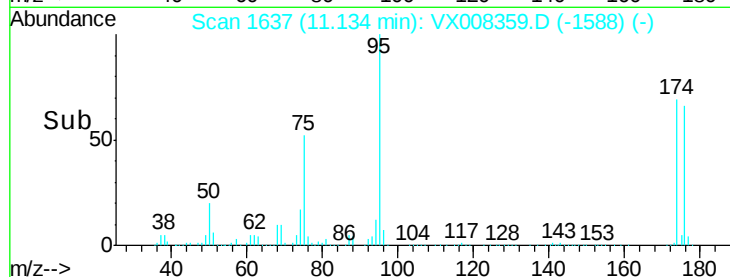
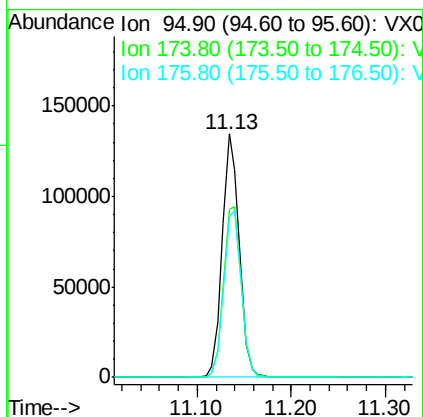
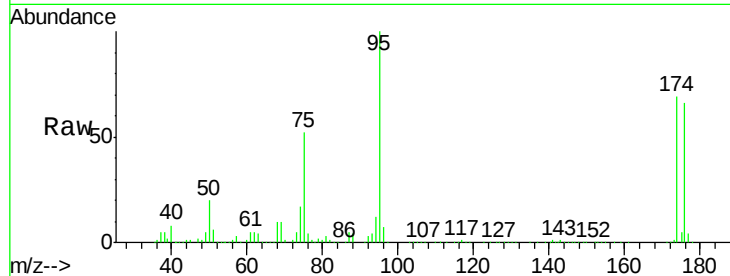




#62
4-Bromofluorobenzene
Concen: 44.562 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008359.D
Acq: 23 Mar 2019 18:56

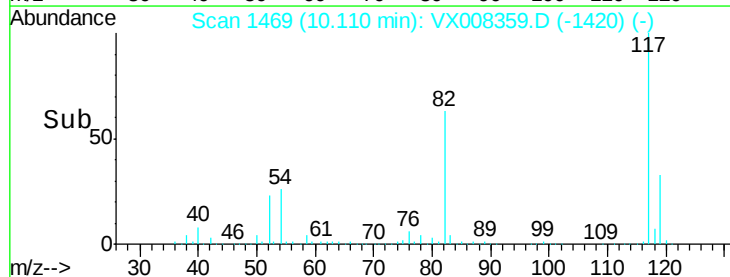
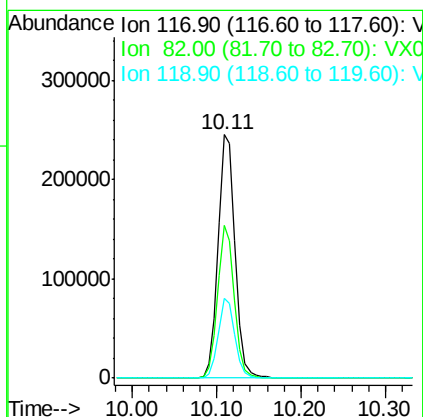
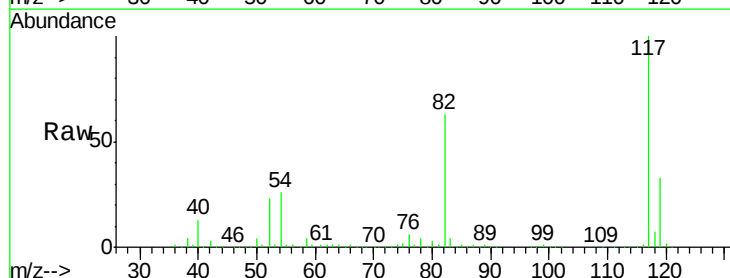
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW303D-20190313

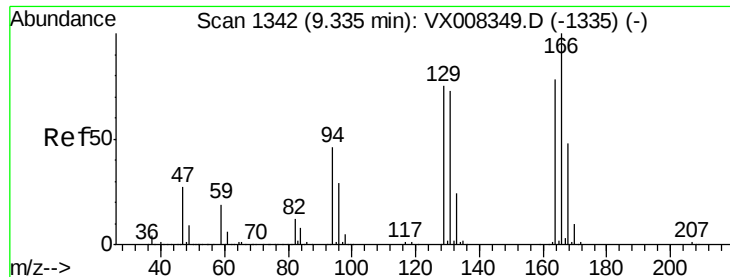
Tot Ion: 95 Resp: 168344
Ion Ratio Lower Upper
95 100
174 73.0 0.0 182.8
176 70.9 0.0 178.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008359.D
Acq: 23 Mar 2019 18:56

Tgt Ion: 117 Resp: 342691
Ion Ratio Lower Upper
117 100
82 62.7 44.3 66.5
119 32.5 25.3 37.9





#64

Tetrachloroethene

Concen: 0.258 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX008359.D

Acq: 23 Mar 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW303D-20190313

Tot Ion:164 Resp: 579

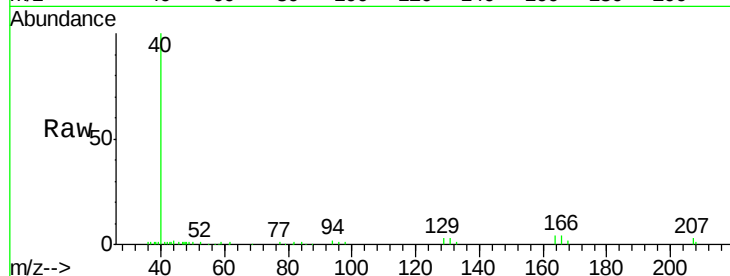
Ion Ratio Lower Upper

164 100

166 98.7 103.4 155.0#

129 72.2 72.2 108.4

131 75.6 69.4 104.2



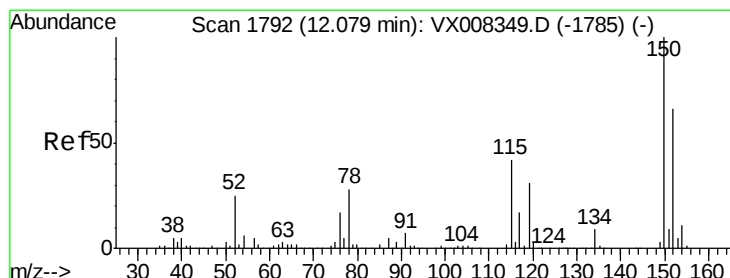
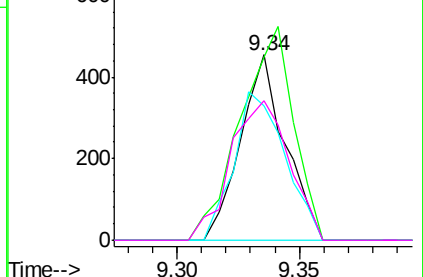
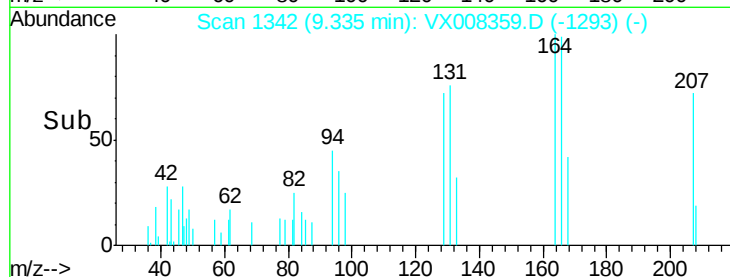
Abundance Ion 163.80 (163.50 to 164.50): V

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

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX008359.D

Acq: 23 Mar 2019 18:56

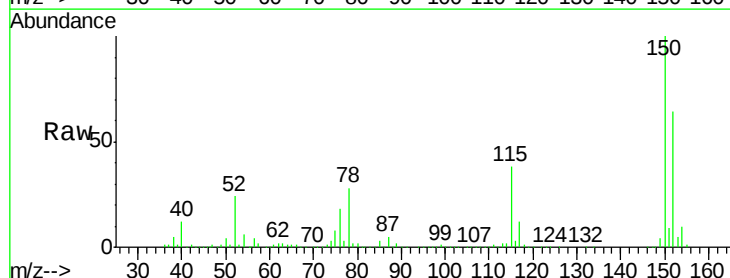
Tgt Ion:152 Resp: 139551

Ion Ratio Lower Upper

152 100

115 62.3 38.6 115.7

150 157.1 0.0 348.4

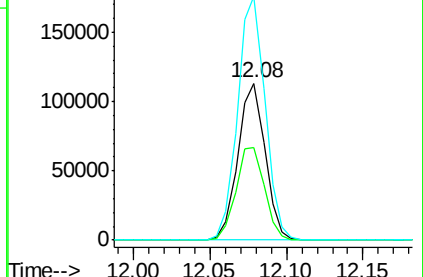
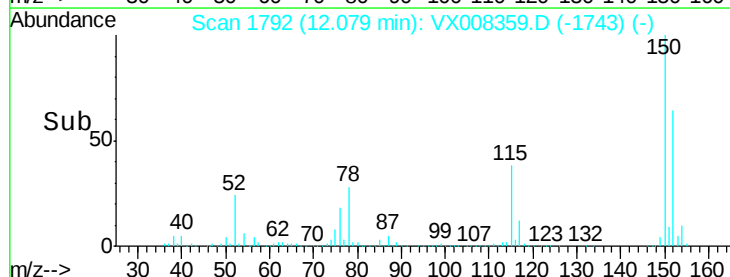


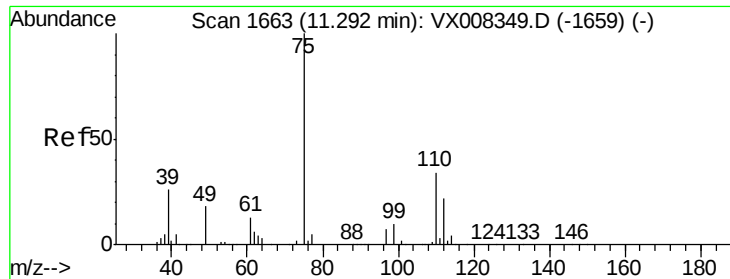
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->

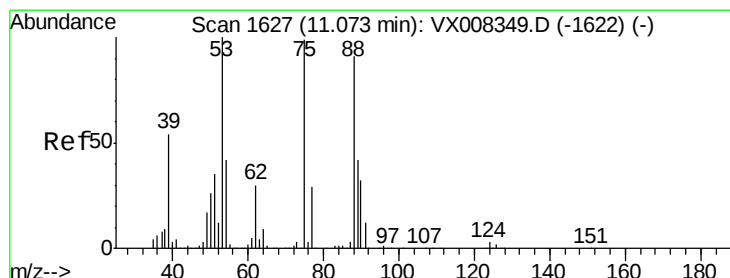
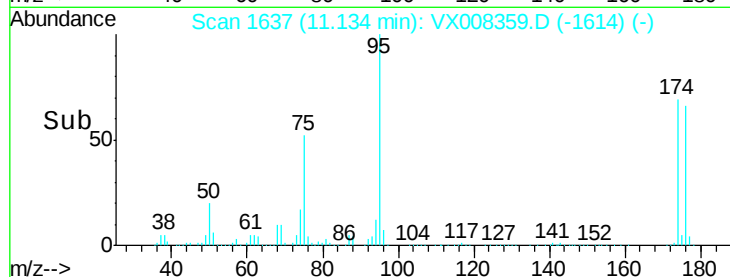
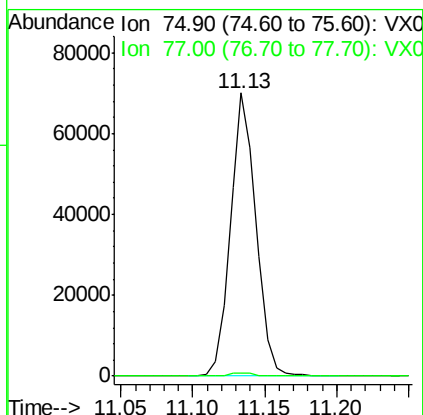
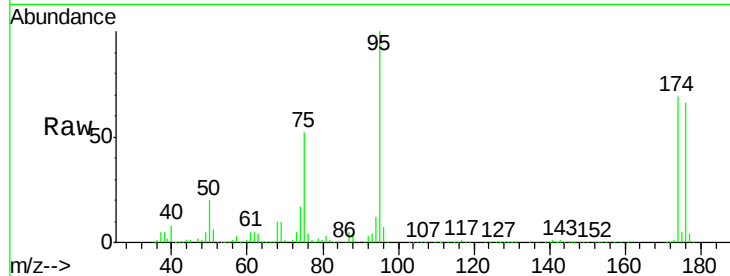




#76
 1,2,3-Trichloropropane
 Concen: 23.764 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX008359.D
 Acq: 23 Mar 2019 18:56

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW303D-20190313

Tot Ion: 75 Resp: 86802
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.9 56.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.720 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX008359.D
 Acq: 23 Mar 2019 18:56

Tgt Ion: 75 Resp: 86802
 Ion Ratio Lower Upper
 75 100
 53 0.1 76.1 114.1#
 89 0.0 36.3 54.5#

