

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010176.D
 Acq On : 10 Jun 2019 14:35
 Operator : JC/SP
 Sample : K3249-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30211-20190606

Quant Time: Jun 11 02:37:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	275649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	421332	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	379298	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176809	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	123713	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
35) Dibromofluoromethane	5.50	113	129428	49.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.60%	
50) Toluene-d8	8.71	98	493961	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	11.13	95	170700	46.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.86%	

Target Compounds

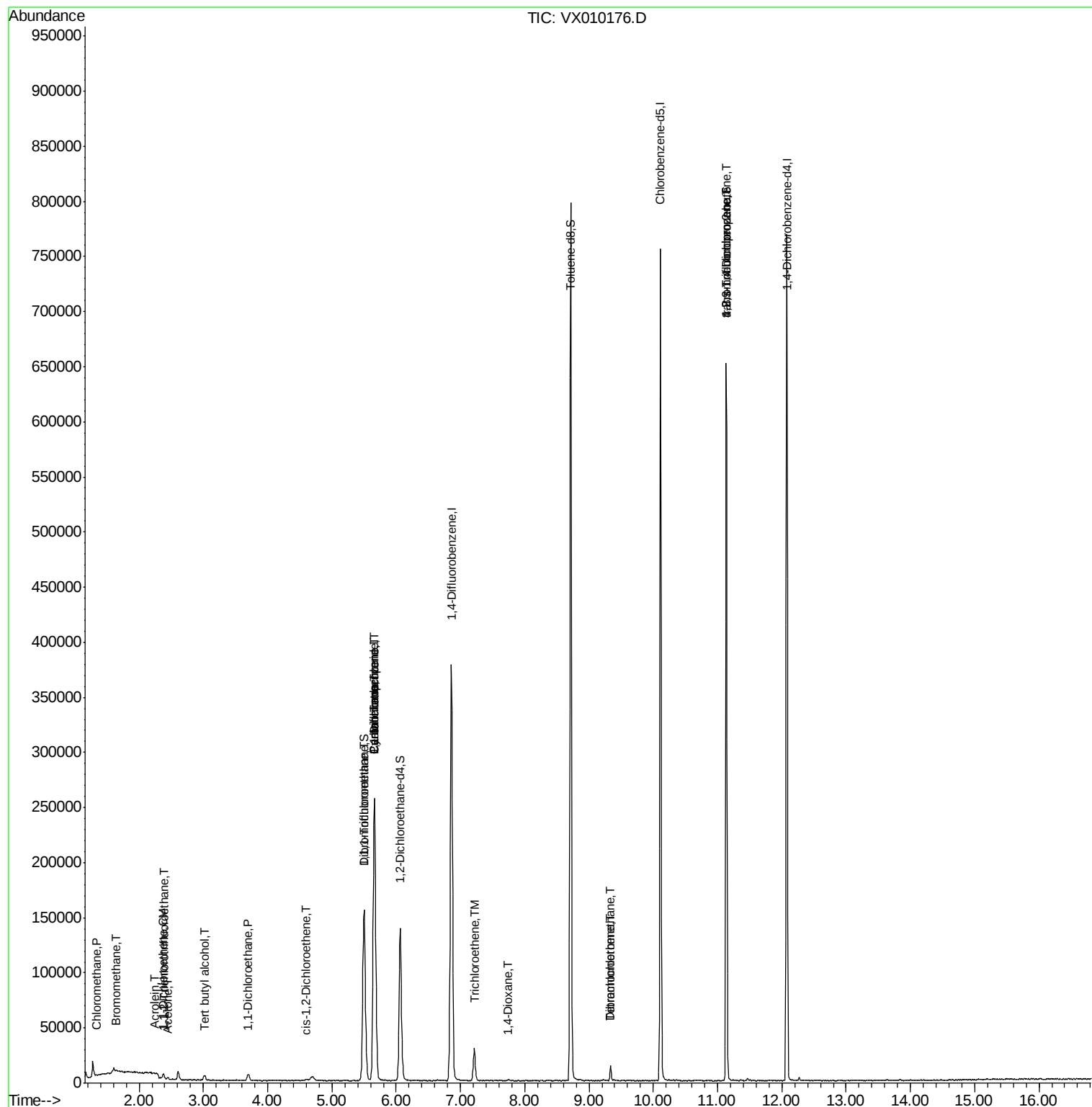
					Qvalue	
3) Chloromethane	1.33	50	574	0.228	ug/l	99
5) Bromomethane	1.65	94	295	0.330	ug/l #	70
9) 1,1,2-Trichlorotrifluoroet	2.39	101	566	0.233	ug/l #	87
11) Tert butyl alcohol	3.02	59	2740	4.157	ug/l #	92
12) 1,1-Dichloroethene	2.37	96	1232	0.498	ug/l #	85
13) Acrolein	2.25	56	228	1.897	ug/l #	14
16) Acetone	2.44	43	1873	1.480	ug/l #	80
24) 1,1-Dichloroethane	3.70	63	5912	1.363	ug/l #	94
27) cis-1,2-Dichloroethene	4.60	96	758	0.249	ug/l	48
31) Cyclohexane	5.66	56	4940	1.262	ug/l #	1
32) 1,1,1-Trichloroethane	5.49	97	4776	1.128	ug/l #	48
36) 1,1-Dichloropropene	5.66	75	16434	4.781	ug/l #	52
38) Carbon Tetrachloride	5.65	117	23958	6.158	ug/l #	14
44) Trichloroethene	7.21	130	12045	3.759	ug/l	93
49) 1,4-Dioxane	7.75	88	1042	13.068	ug/l #	87
60) Dibromochloromethane	9.34	129	2489	0.735	ug/l #	11
64) Tetrachloroethene	9.34	164	2770	0.983	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	77497	21.913	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	77497	48.416	ug/l #	10

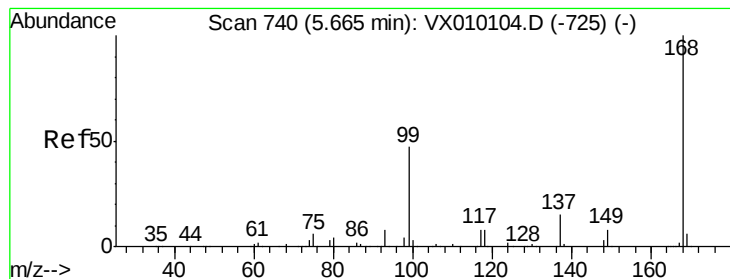
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061019\
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Quant Time: Jun 11 02:37:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 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: VX010176.D

Acq: 10 Jun 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

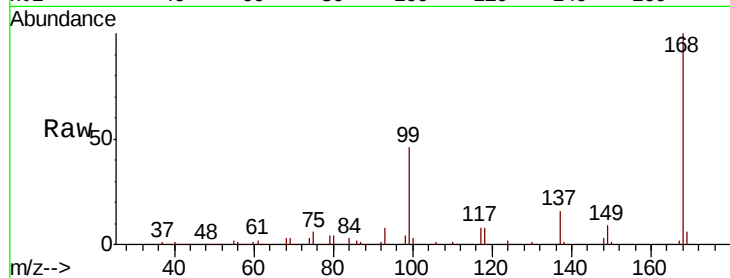
BPS1-TT-MW30211-20190606

Tot Ion:168 Resp: 275649

Ion Ratio Lower Upper

168 100

99 46.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

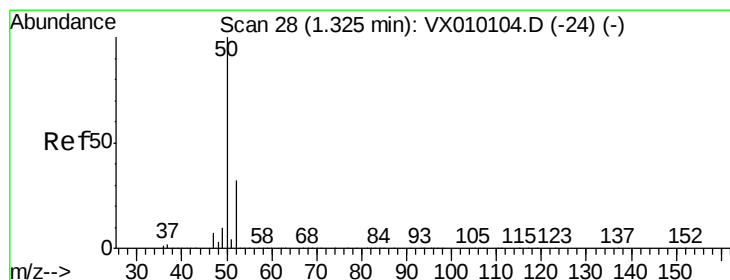
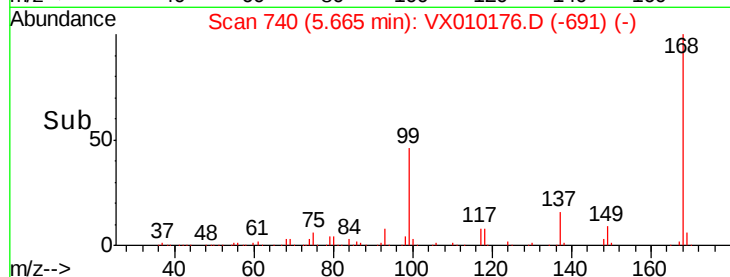
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.228 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010176.D

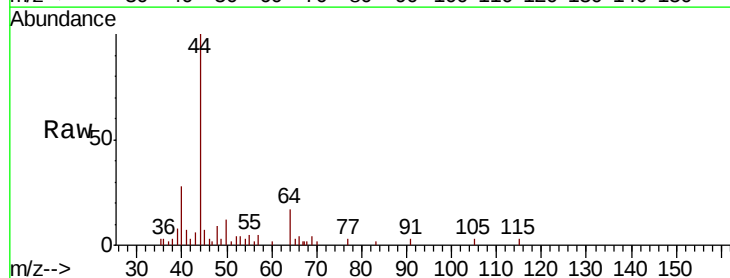
Acq: 10 Jun 2019 14:35

Tgt Ion: 50 Resp: 574

Ion Ratio Lower Upper

50 100

52 32.2 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

400

300

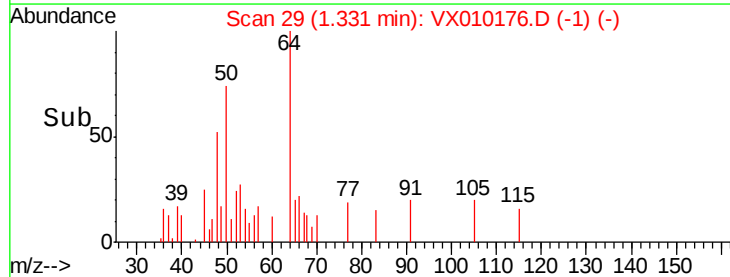
200

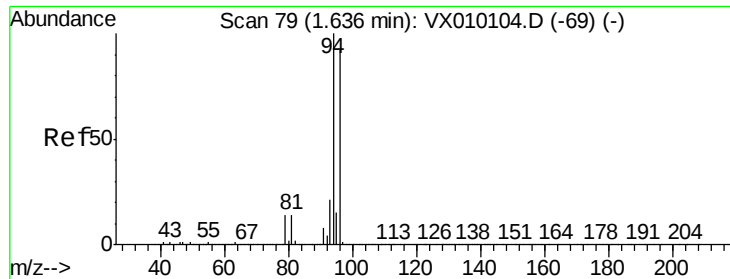
100

0

Time-->

1.30 1.35





#5

Bromomethane

Concen: 0.330 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010176.D

Acq: 10 Jun 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

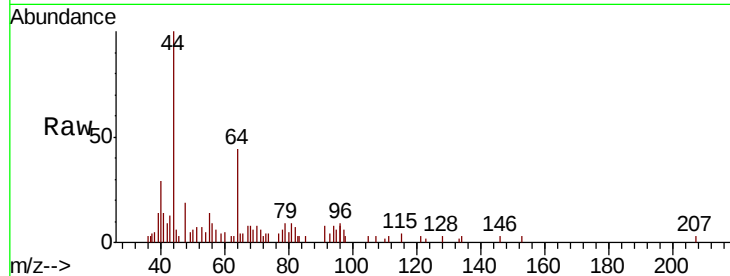
BPS1-TT-MW30211-20190606

Tot Ion: 94 Resp: 295

Ion Ratio Lower Upper

94 100

96 124.4 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

400

300

200

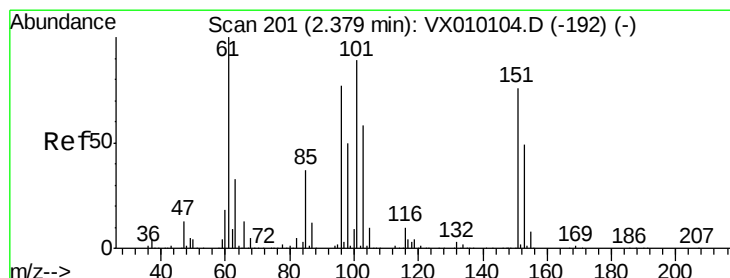
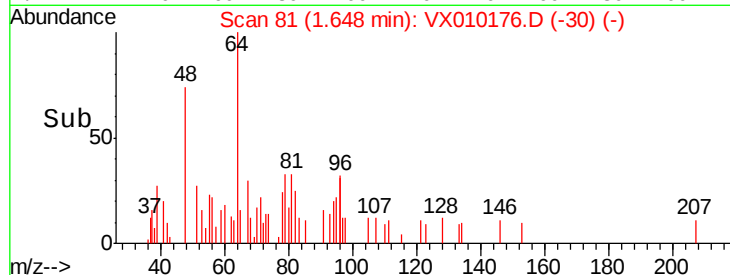
100

0

1.65

1.60 1.62 1.64 1.66

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.233 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX010176.D

Acq: 10 Jun 2019 14:35

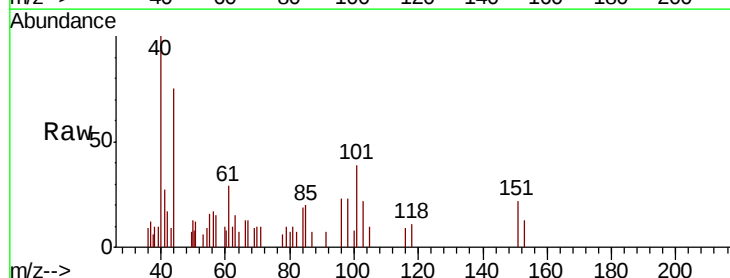
Tgt Ion: 101 Resp: 566

Ion Ratio Lower Upper

101 100

85 61.5 35.2 52.8#

151 81.3 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

400

300

200

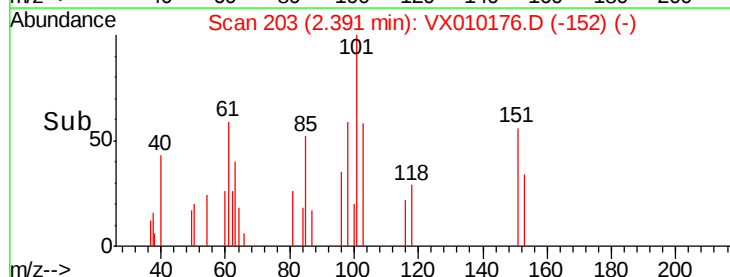
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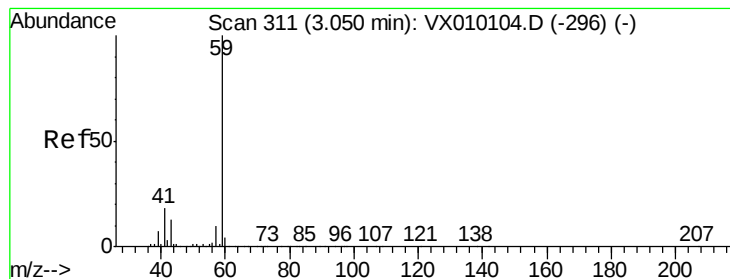
0

2.39

2.35 2.40

Time-->



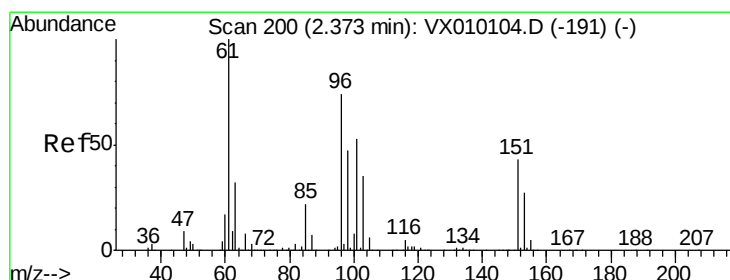
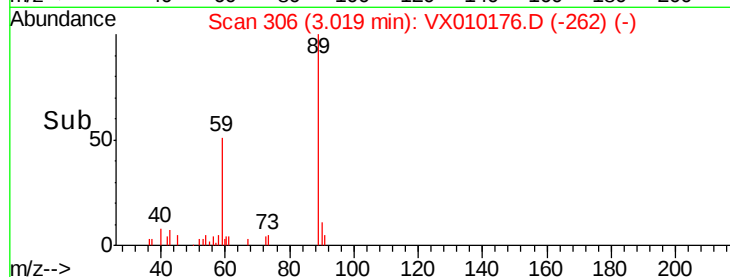
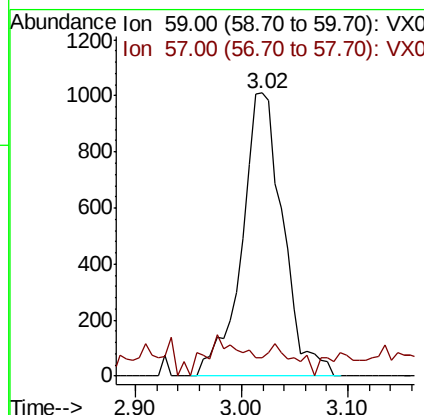
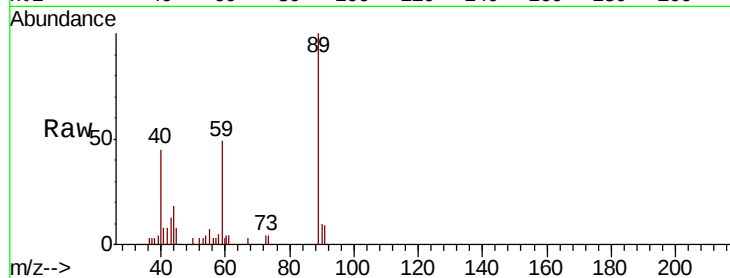


#11

Tert butyl alcohol
 Concen: 4.157 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX010176.D
 Acq: 10 Jun 2019 14:35

Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30211-20190606

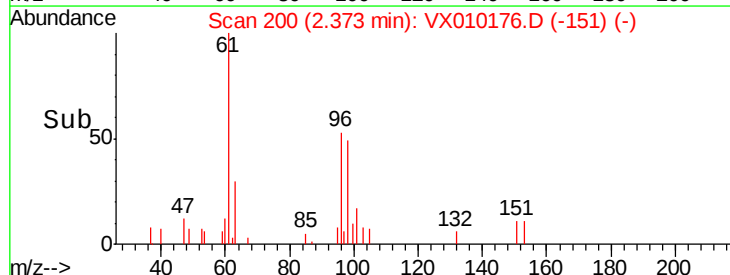
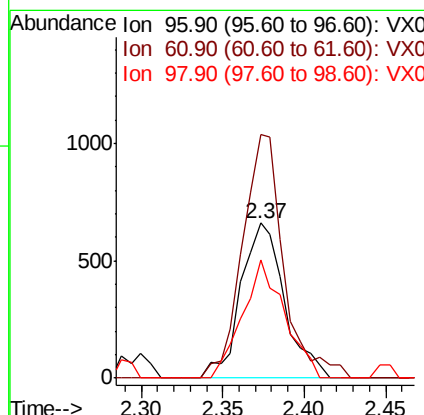
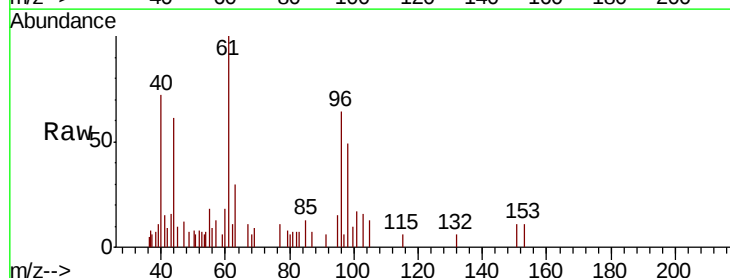
Tot Ion: 59 Resp: 2740
 Ion Ratio Lower Upper
 59 100
 57 7.3 8.2 12.2#

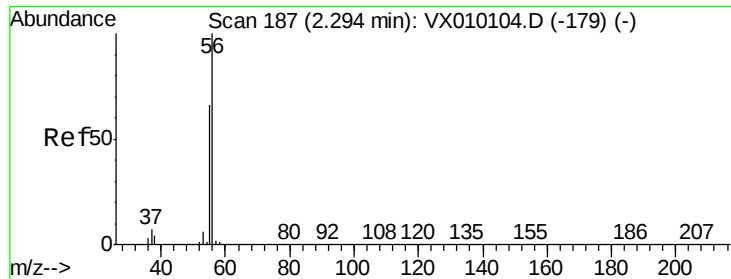


#12

1,1-Dichloroethene
 Concen: 0.498 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX010176.D
 Acq: 10 Jun 2019 14:35

Tgt Ion: 96 Resp: 1232
 Ion Ratio Lower Upper
 96 100
 61 157.1 140.7 211.1
 98 76.7 50.1 75.1#

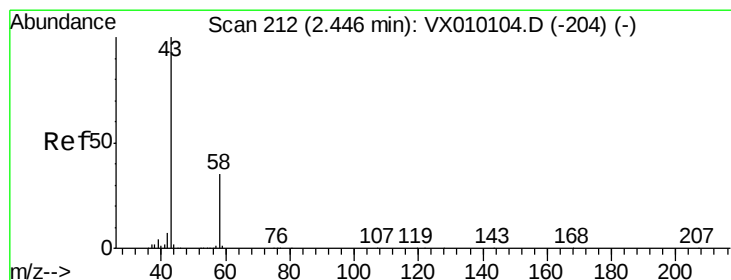
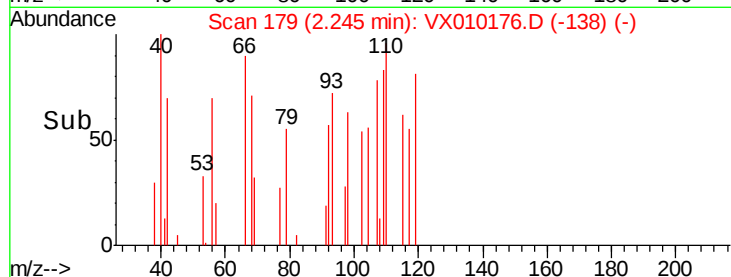
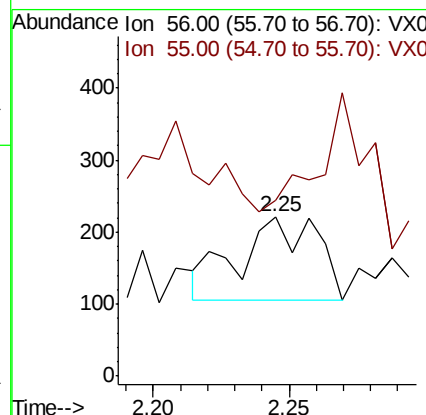
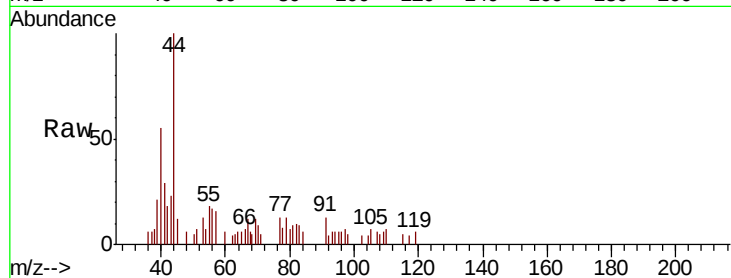




#13
Acrolein
Concen: 1.897 ug/l
RT: 2.25 min Scan# 179
Delta R.T. -0.05 min
Lab File: VX010176.D
Acq: 10 Jun 2019 14:35

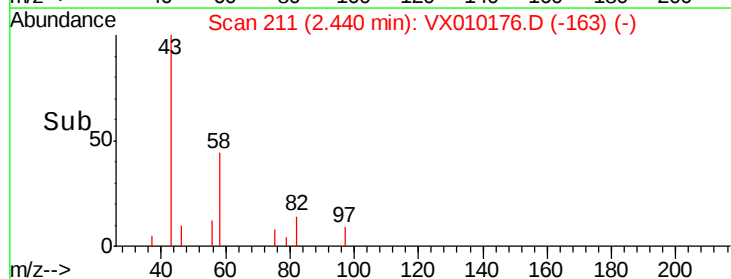
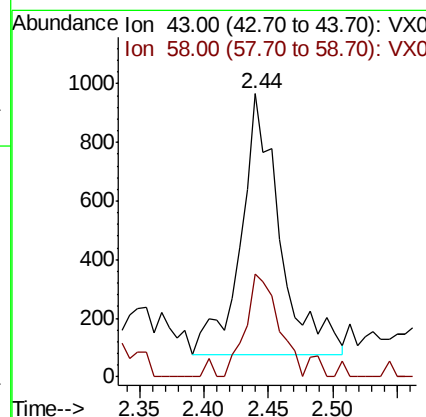
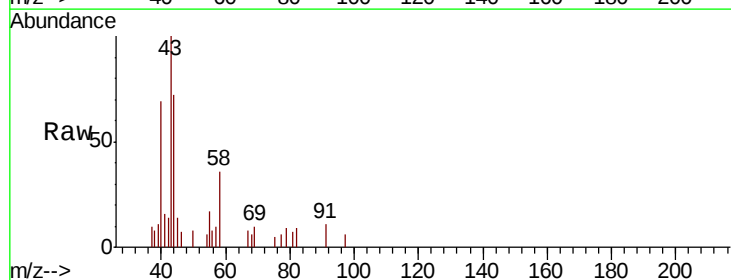
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30211-20190606

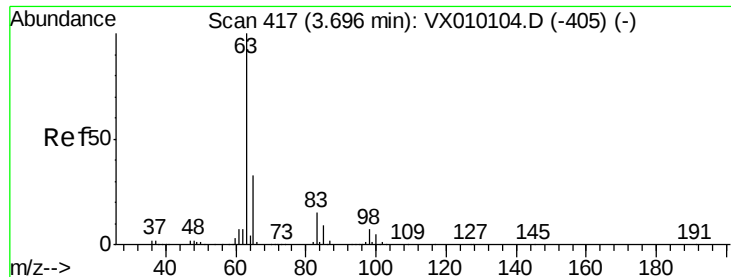
Tot Ion: 56 Resp: 228
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 1.480 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX010176.D
Acq: 10 Jun 2019 14:35

Tgt Ion: 43 Resp: 1873
Ion Ratio Lower Upper
43 100
58 39.5 23.2 34.8#





#24

1,1-Dichloroethane

Concen: 1.363 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX010176.D

Acq: 10 Jun 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30211-20190606

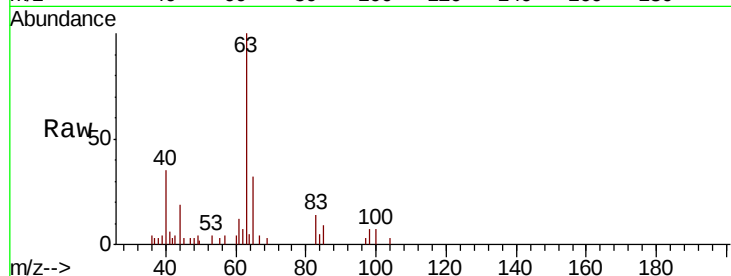
Tot Ion: 63 Resp: 5912

Ion Ratio Lower Upper

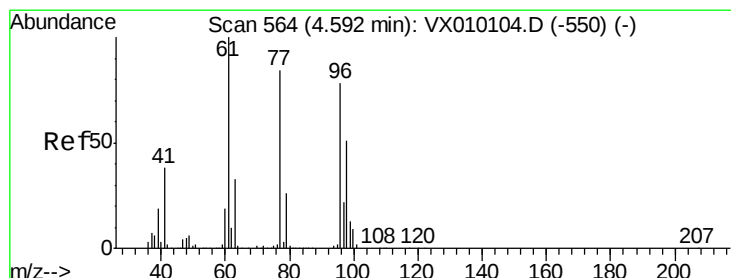
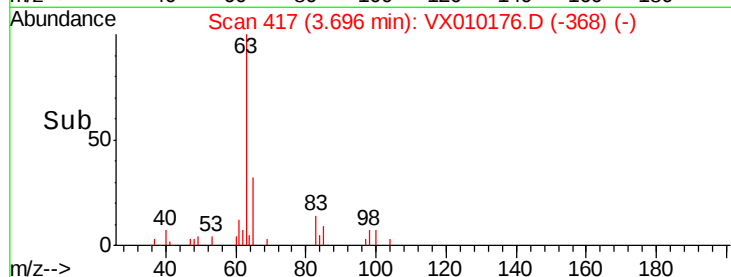
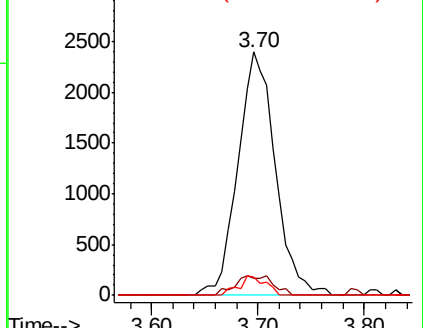
63 100

98 7.0 2.9 8.8

100 7.4 1.8 5.4#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 0.249 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX010176.D

Acq: 10 Jun 2019 14:35

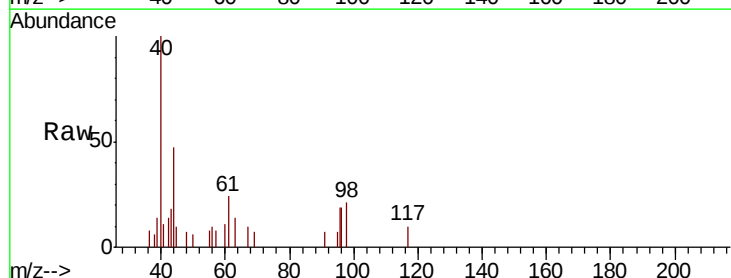
Tgt Ion: 96 Resp: 758

Ion Ratio Lower Upper

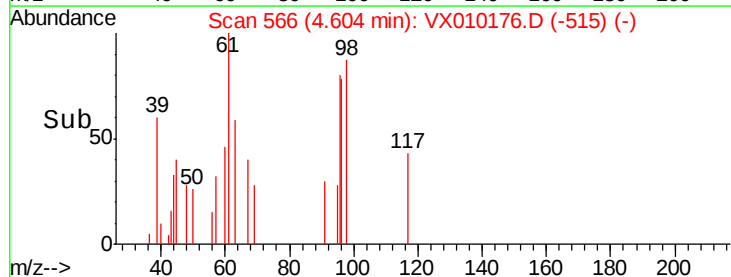
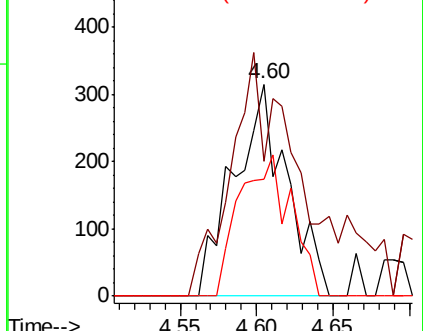
96 100

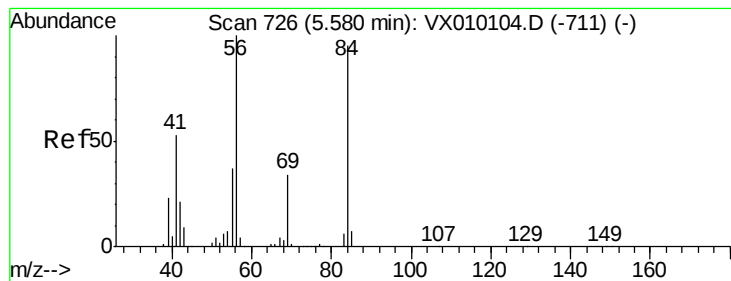
61 70.1 0.0 334.0

98 64.9 0.0 131.6



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#31

Cyclohexane

Concen: 1.262 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010176.D

Acq: 10 Jun 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

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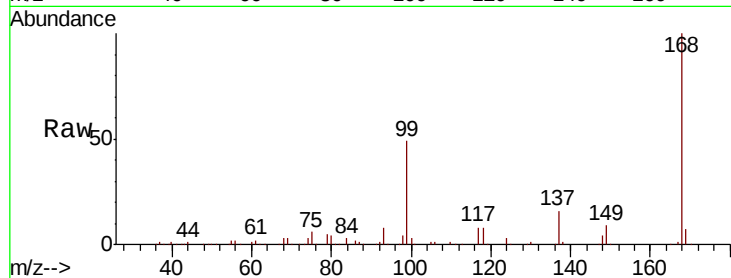
Tot Ion: 56 Resp: 4940

Ion Ratio Lower Upper

56 100

69 166.3 21.6 32.4#

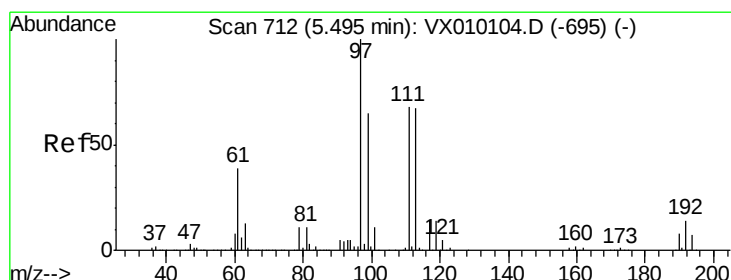
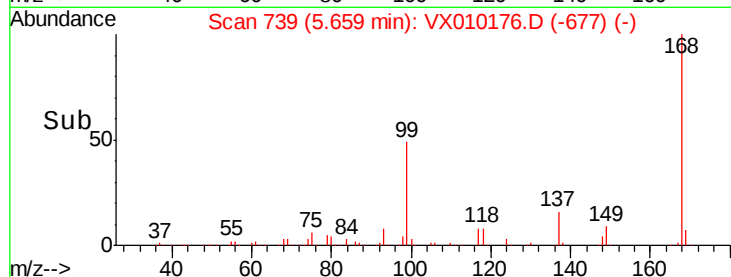
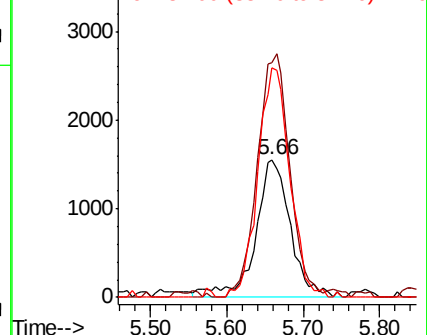
84 166.1 56.8 85.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 1.128 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX010176.D

Acq: 10 Jun 2019 14:35

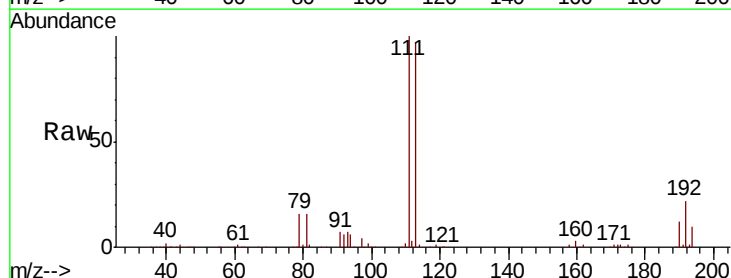
Tgt Ion: 97 Resp: 4776

Ion Ratio Lower Upper

97 100

99 0.0 51.0 76.4#

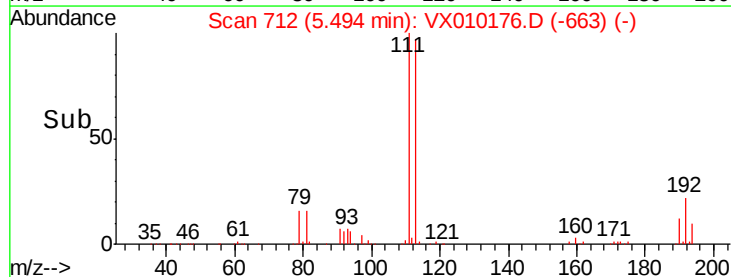
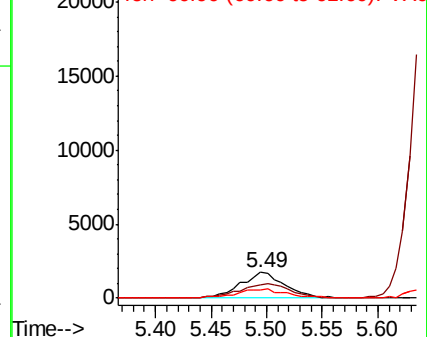
61 40.3 38.7 58.1

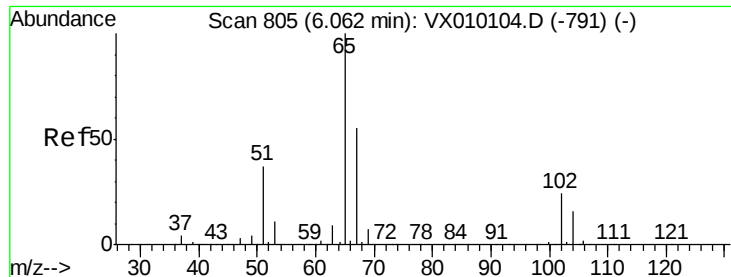


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

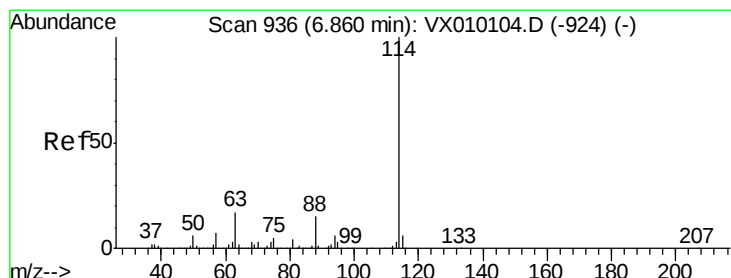
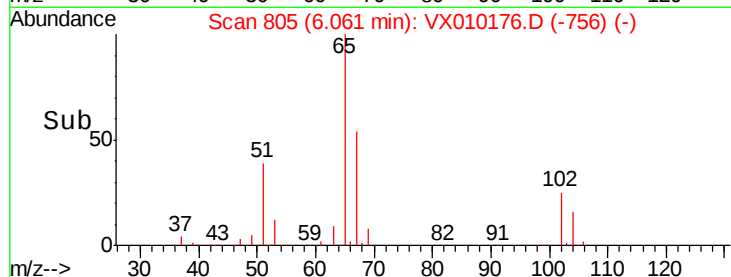
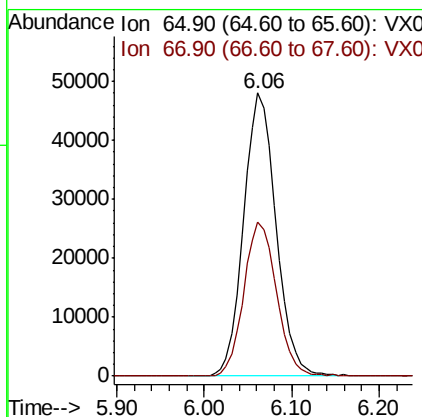
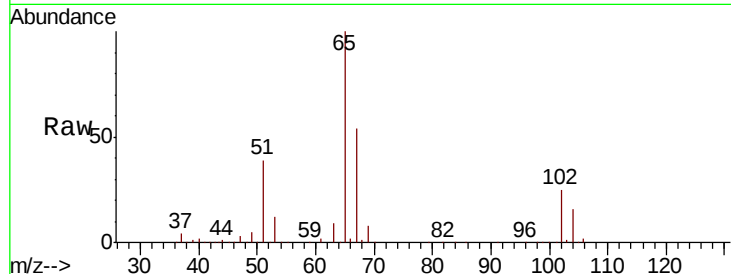




#33
 1,2-Dichloroethane-d4
 Concen: 45.979 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010176.D
 Acq: 10 Jun 2019 14:35

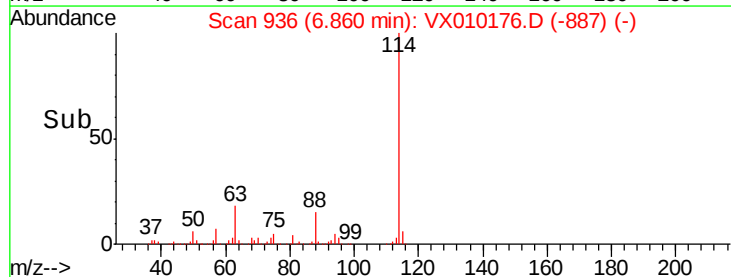
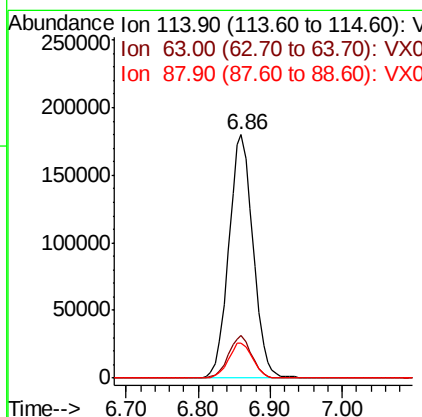
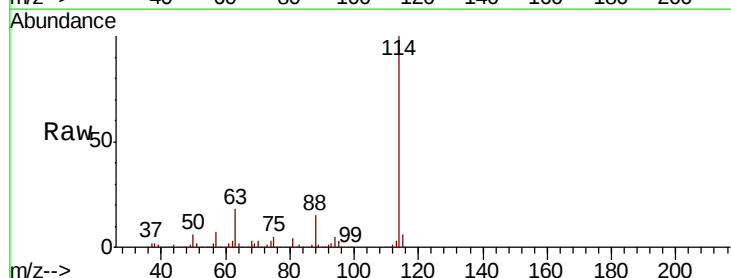
Instrument :
 MSVOA_X
 ClientSampleId :
 BPS1-TT-MW30211-20190606

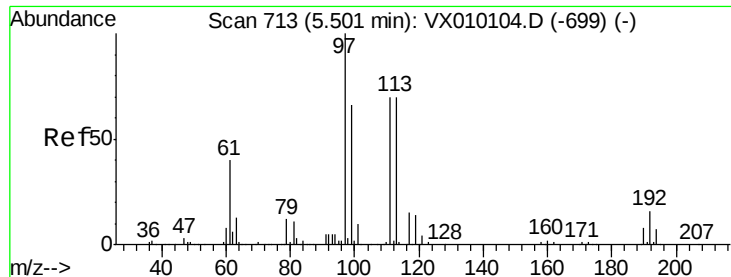
Tot Ion: 65 Resp: 123713
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010176.D
 Acq: 10 Jun 2019 14:35

Tgt Ion: 114 Resp: 421332
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 47.4
 88 14.6 0.0 33.0





#35

Dibromofluoromethane

Concen: 49.802 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010176.D

Acq: 10 Jun 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30211-20190606

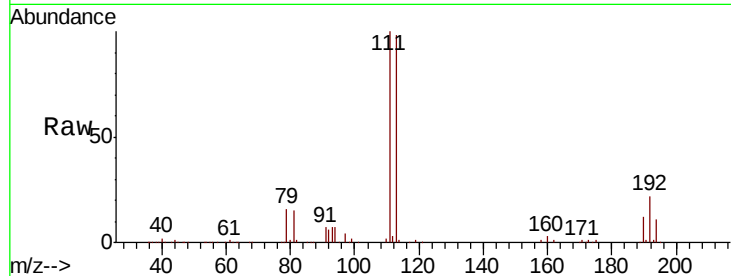
Tot Ion:113 Resp: 129428

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.2

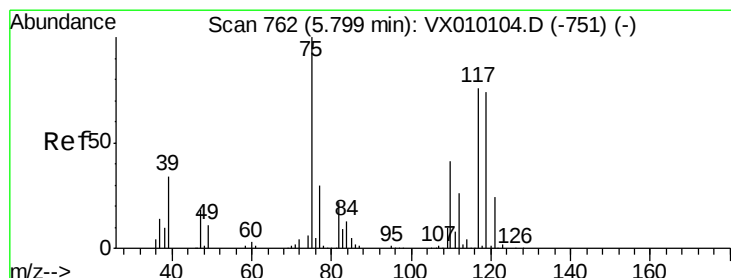
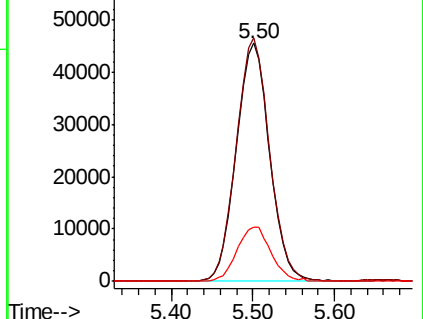
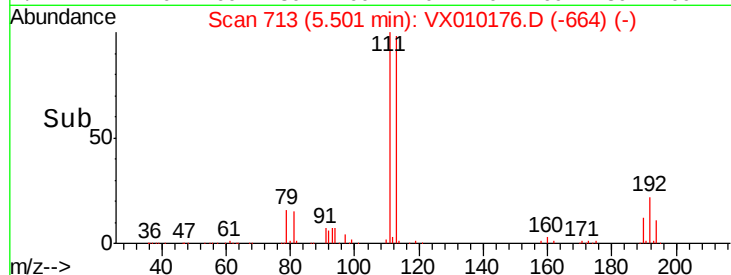
192 23.3 17.1 25.7



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: 4.781 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010176.D

Acq: 10 Jun 2019 14:35

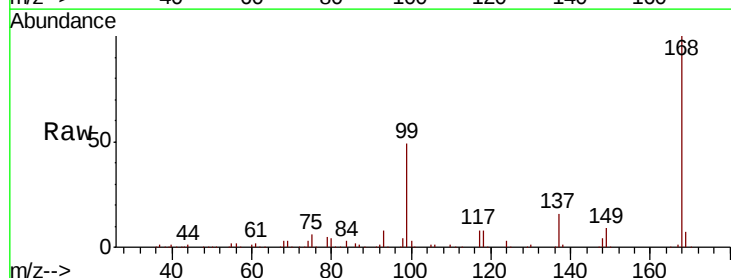
Tgt Ion: 75 Resp: 16434

Ion Ratio Lower Upper

75 100

110 11.2 16.7 50.1#

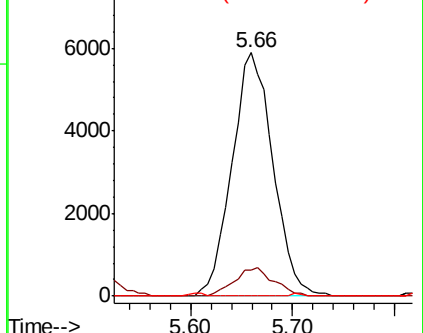
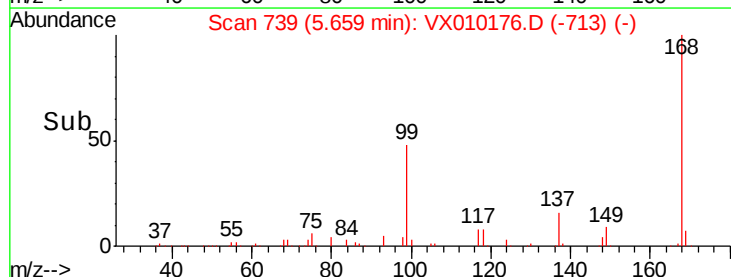
77 0.0 25.0 37.4#

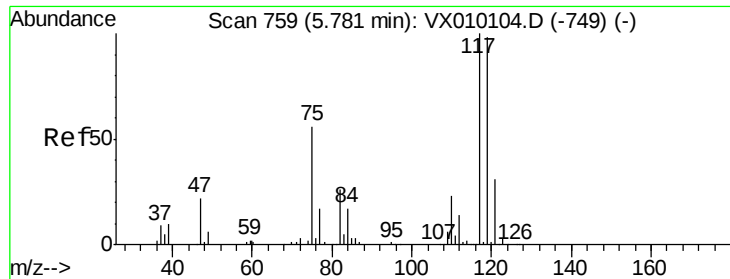


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

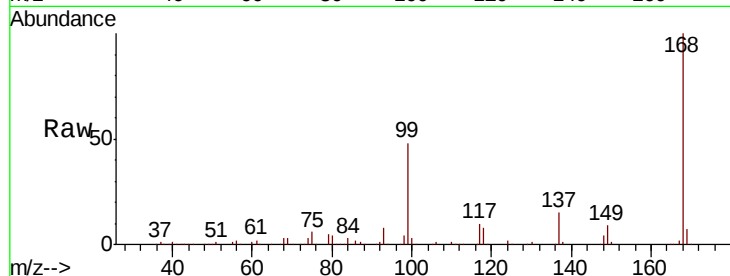




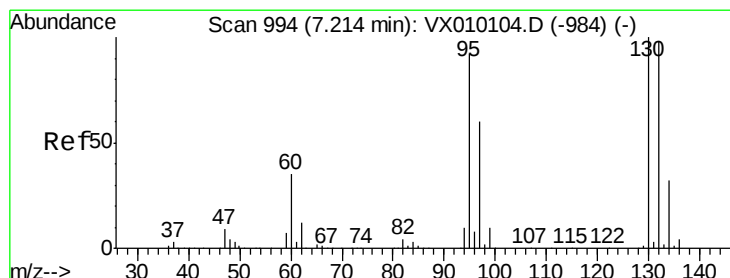
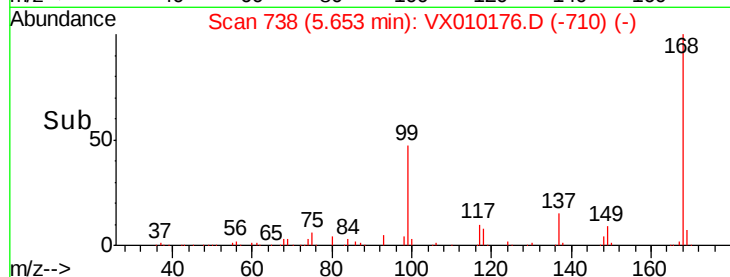
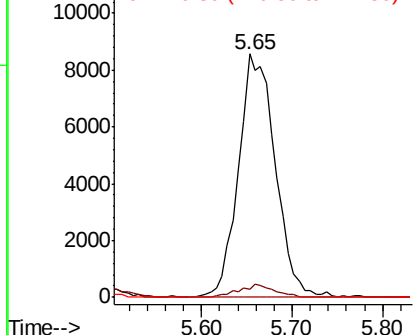
#38
Carbon Tetrachloride
Concen: 6.158 ug/l
RT: 5.65 min Scan# 738
Delta R.T. -0.13 min
Lab File: VX010176.D
Acq: 10 Jun 2019 14:35

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30211-20190606

Tot Ion:117 Resp: 23958
Ion Ratio Lower Upper
117 100
119 3.6 77.3 115.9#
121 0.0 25.4 38.0#

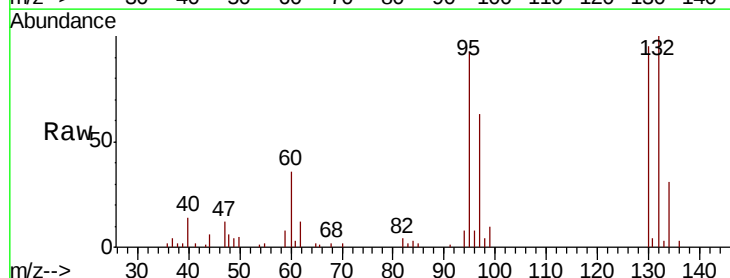


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

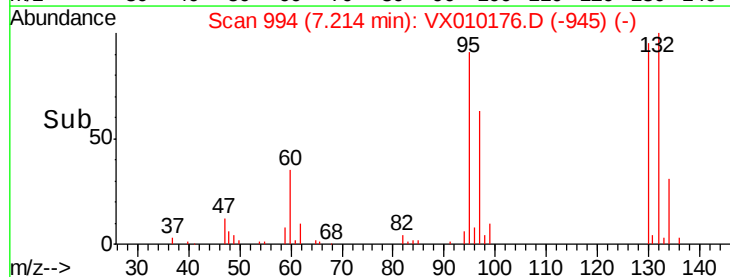
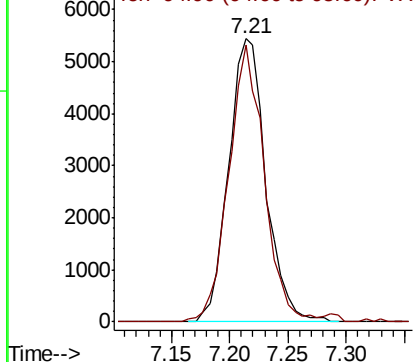


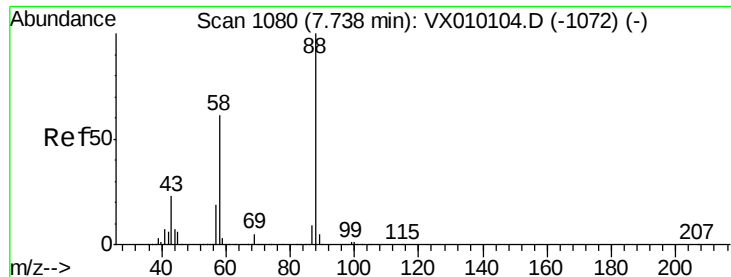
#44
Trichloroethene
Concen: 3.759 ug/l
RT: 7.21 min Scan# 994
Delta R.T. -0.00 min
Lab File: VX010176.D
Acq: 10 Jun 2019 14:35

Tgt Ion:130 Resp: 12045
Ion Ratio Lower Upper
130 100
95 97.0 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): V

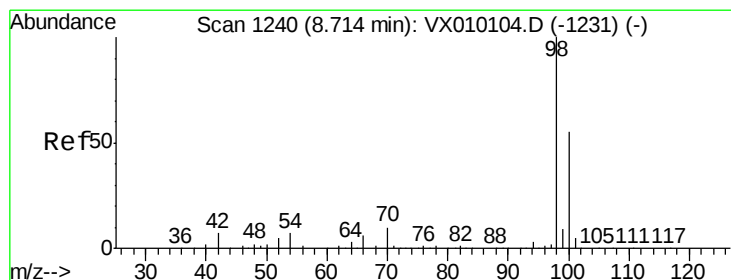
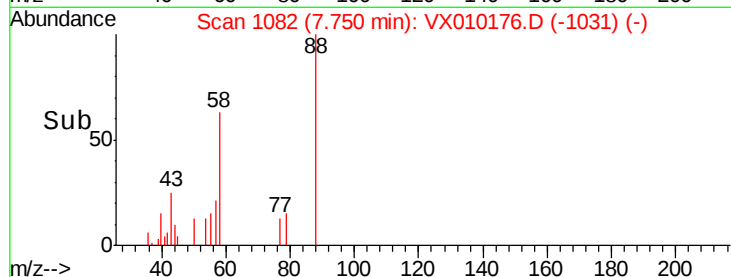
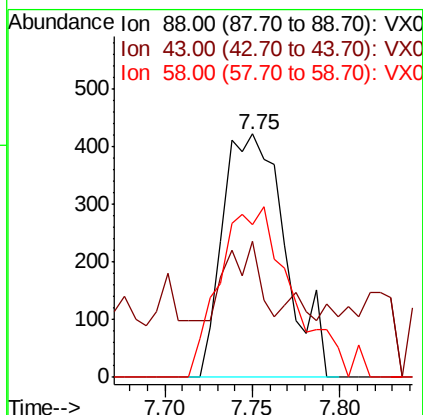
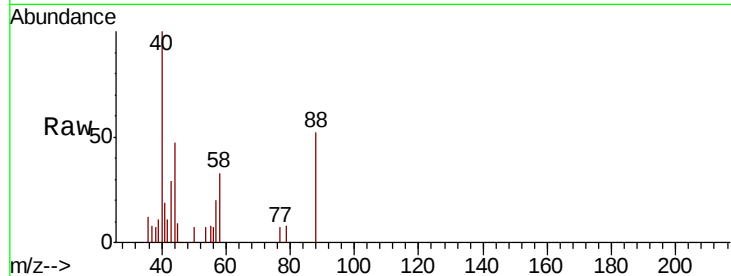




#49
1,4-Dioxane
Concen: 13.068 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX010176.D
Acq: 10 Jun 2019 14:35

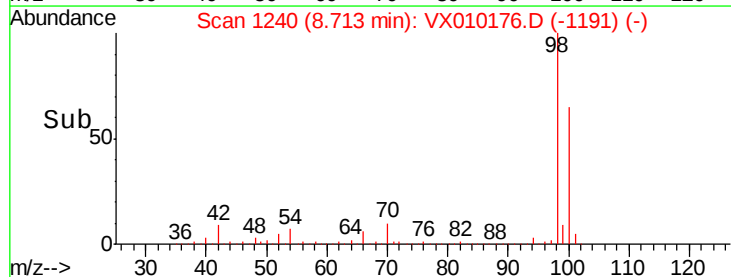
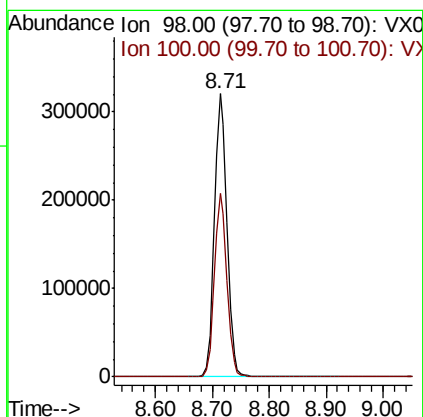
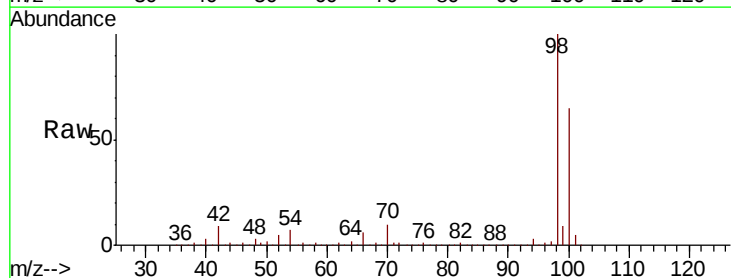
Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30211-20190606

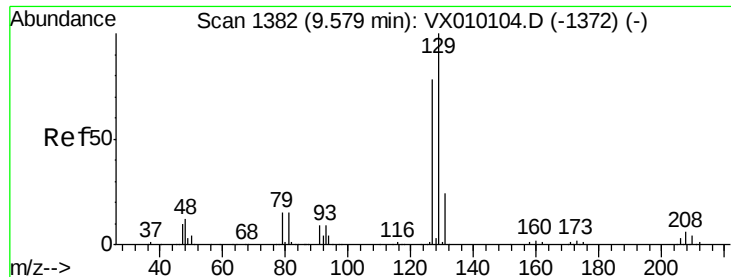
Tot Ion: 88 Resp: 1042
Ion Ratio Lower Upper
88 100
43 16.1 30.2 45.4#
58 82.3 64.0 96.0



#50
Toluene-d8
Concen: 50.714 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010176.D
Acq: 10 Jun 2019 14:35

Tgt Ion: 98 Resp: 493961
Ion Ratio Lower Upper
98 100
100 64.3 51.5 77.3





#60

Dibromochloromethane

Concen: 0.735 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX010176.D

Acq: 10 Jun 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

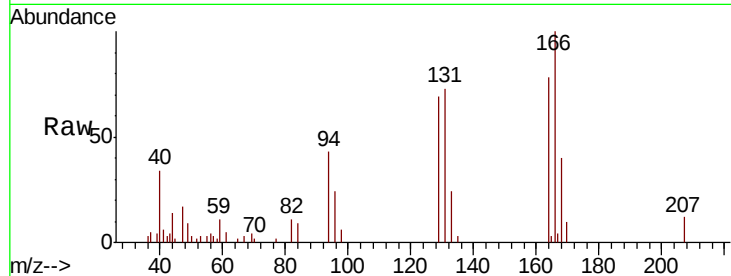
BPS1-TT-MW30211-20190606

Tot Ion:129 Resp: 2489

Ion Ratio Lower Upper

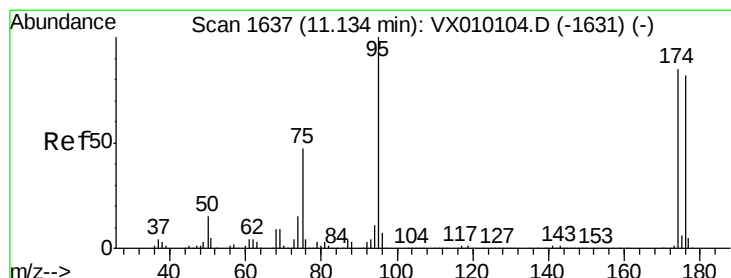
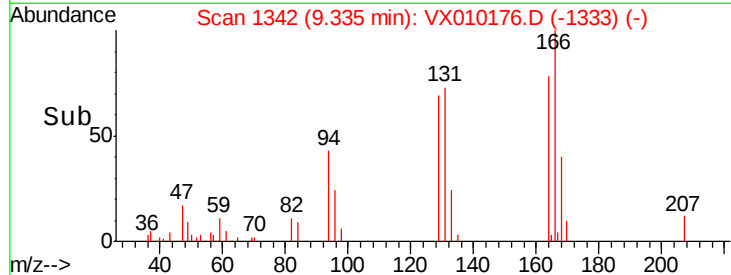
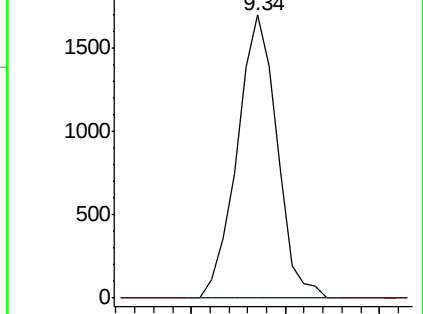
129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 46.927 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010176.D

Acq: 10 Jun 2019 14:35

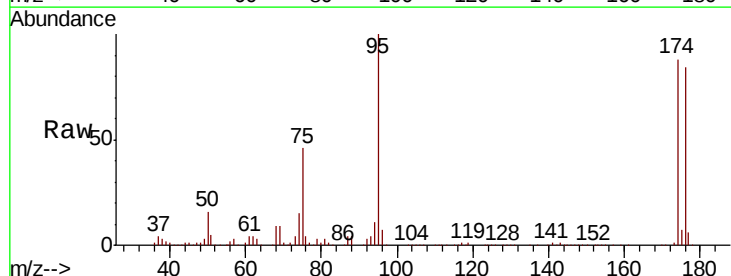
Tgt Ion: 95 Resp: 170700

Ion Ratio Lower Upper

95 100

174 93.4 0.0 160.4

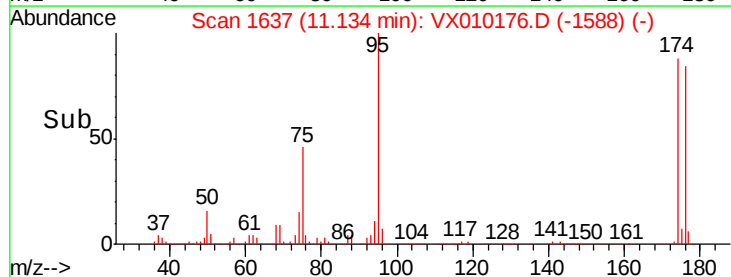
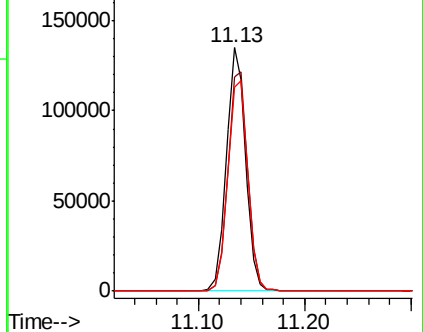
176 90.6 0.0 154.6

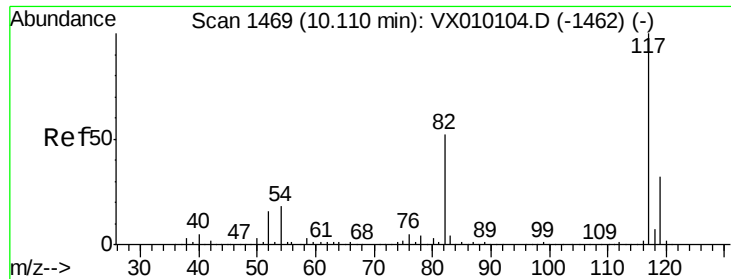


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

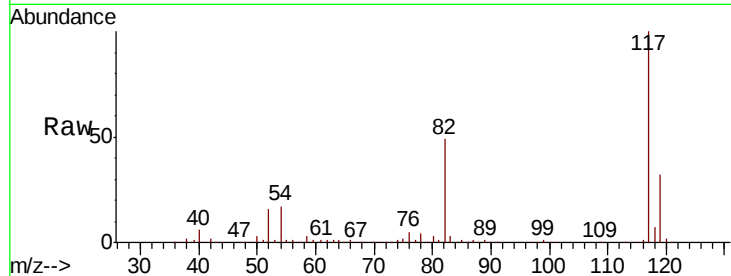




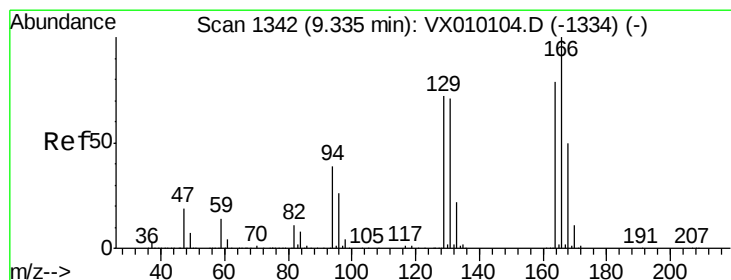
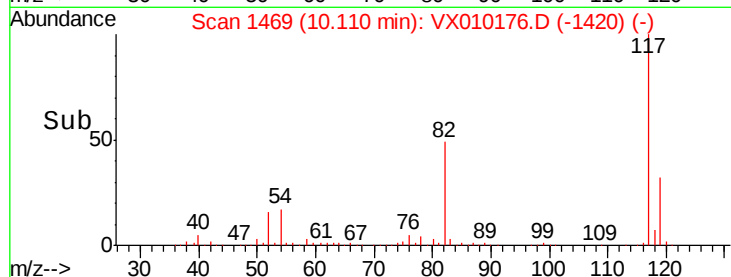
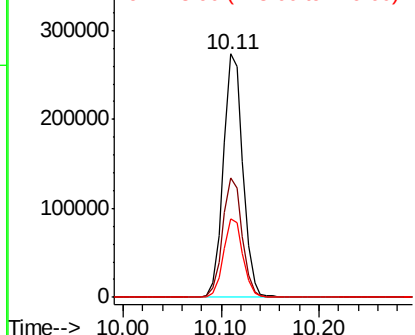
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010176.D
Acq: 10 Jun 2019 14:35

Instrument :
MSVOA_X
ClientSampleId :
BPS1-TT-MW30211-20190606

Tot Ion:117 Resp: 379298
Ion Ratio Lower Upper
117 100
82 49.3 49.2 73.8
119 32.0 25.2 37.8

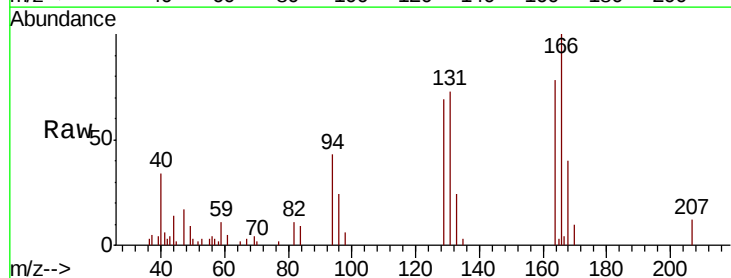


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

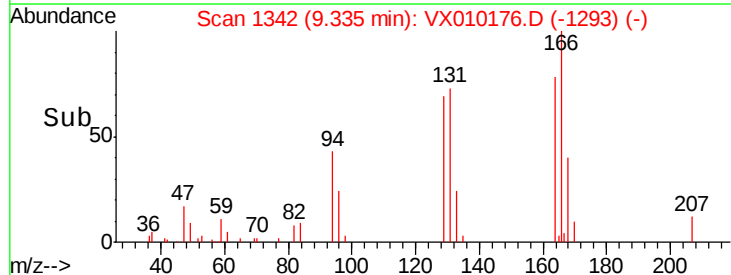
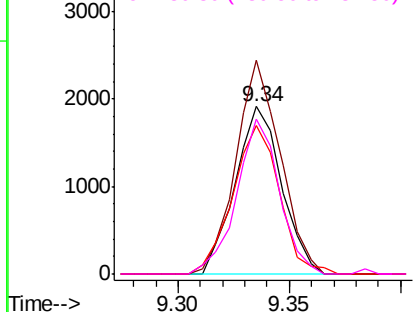


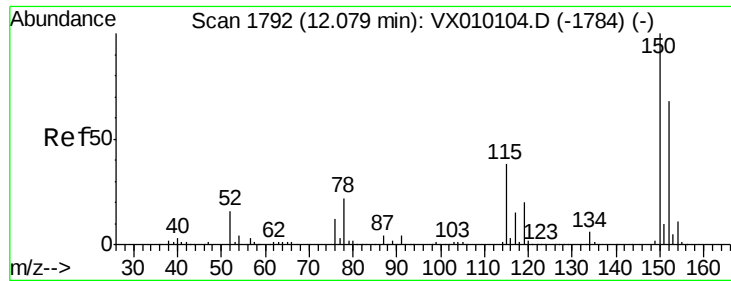
#64
Tetrachloroethene
Concen: 0.983 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010176.D
Acq: 10 Jun 2019 14:35

Tgt Ion:164 Resp: 2770
Ion Ratio Lower Upper
164 100
166 127.4 105.0 157.4
129 88.5 75.1 112.7
131 92.4 72.2 108.4



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: VX010176.D

Acq: 10 Jun 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30211-20190606

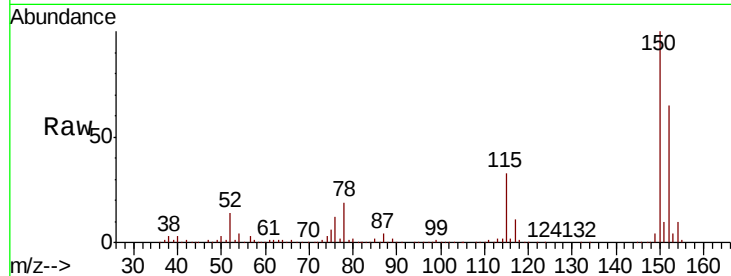
Tot Ion:152 Resp: 176809

Ion Ratio Lower Upper

152 100

115 53.1 41.4 124.2

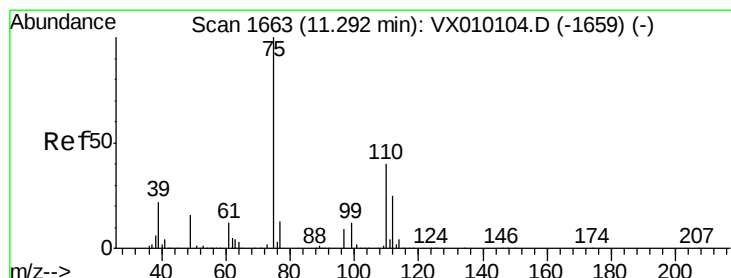
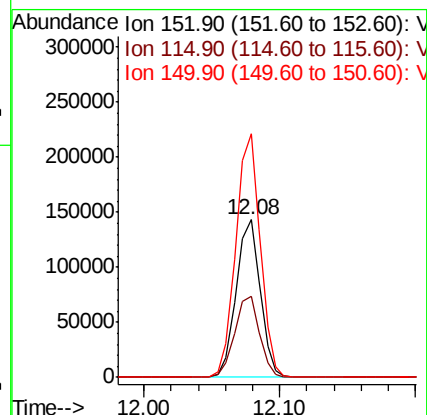
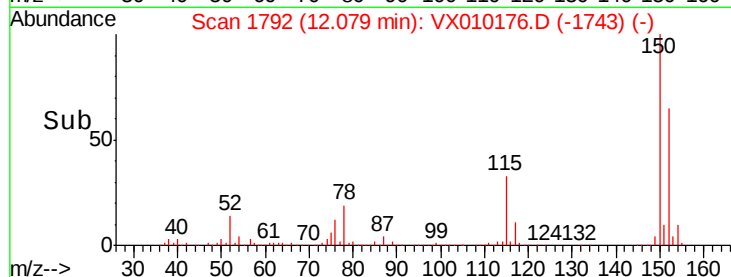
150 156.6 0.0 345.2



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: 21.913 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010176.D

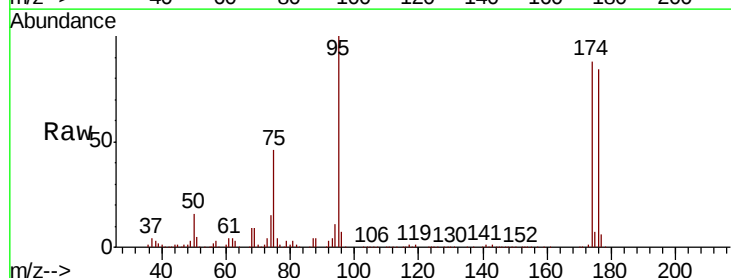
Acq: 10 Jun 2019 14:35

Tgt Ion: 75 Resp: 77497

Ion Ratio Lower Upper

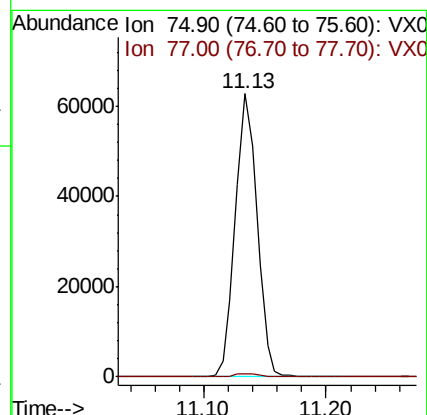
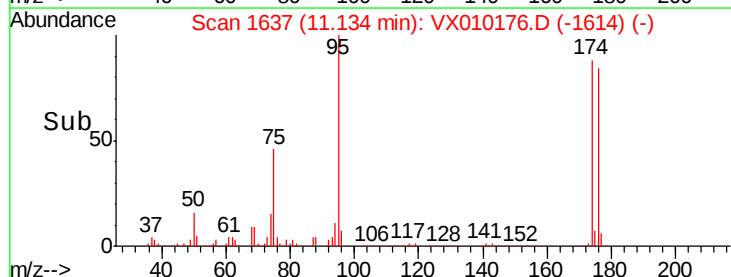
75 100

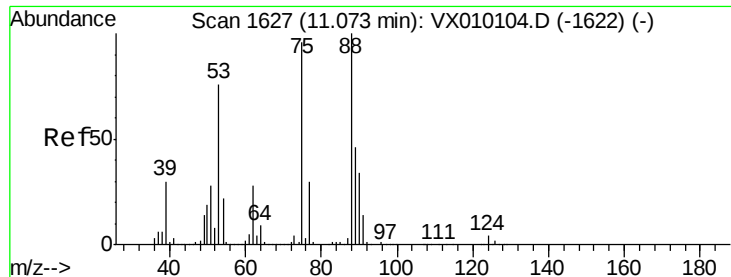
77 1.3 22.1 66.1#



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: 48.416 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010176.D

Acq: 10 Jun 2019 14:35

Instrument :

MSVOA_X

ClientSampleId :

BPS1-TT-MW30211-20190606

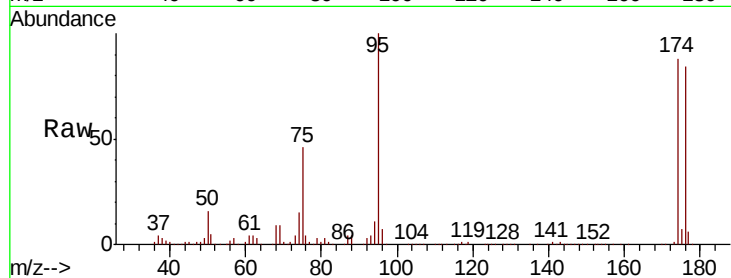
Tot Ion: 75 Resp: 77497

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#



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

