

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110720\
 Data File : VX019338.D
 Acq On : 06 Nov 2020 13:51
 Operator : JC/MD
 Sample : L4662-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB178-GW-238-240

Quant Time: Nov 07 01:03:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102720W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 27 13:55:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	303682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	531681	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	499035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	245155	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	209643	53.53	ug/l	0.00
Spiked Amount			Recovery	=	107.06%	
35) Dibromofluoromethane	5.46	113	163667	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	8.70	98	644428	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.12	95	251896	52.83	ug/l	0.00
Spiked Amount			Recovery	=	105.66%	

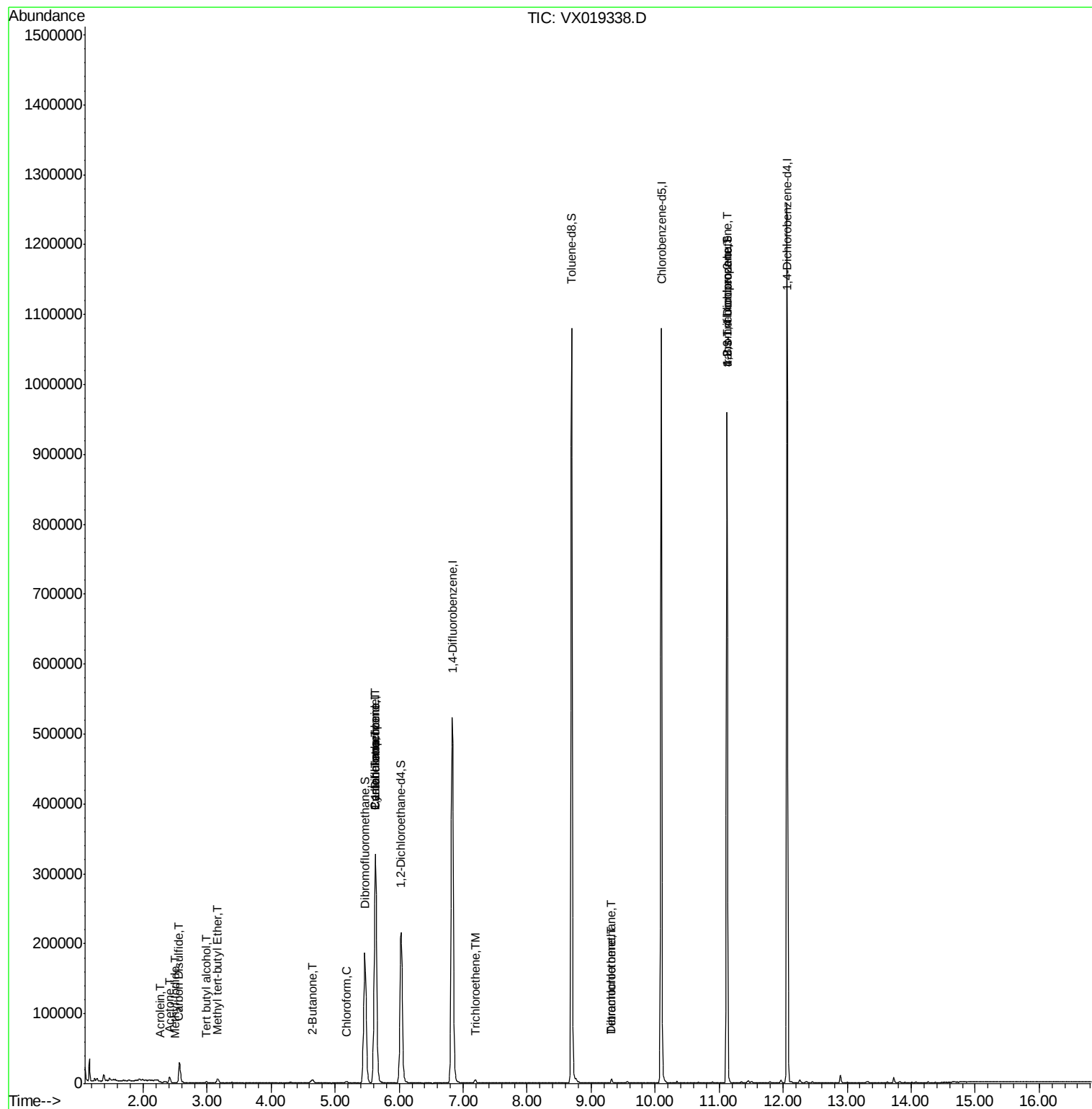
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	137	6.414	ug/l #	39
11) Tert butyl alcohol	2.98	59	1195	1.545	ug/l #	72
13) Acrolein	2.27	56	64	5.829	ug/l #	16
16) Acetone	2.41	43	8621	6.381	ug/l	98
17) Carbon Disulfide	2.56	76	581	0.828	ug/l #	91
19) Methyl tert-butyl Ether	3.17	73	7022	0.689	ug/l #	88
25) 2-Butanone	4.65	43	1786	0.839	ug/l #	71
30) Chloroform	5.18	83	3031	0.513	ug/l	99
31) Cyclohexane	5.63	56	6529	1.319	ug/l #	18
36) 1,1-Dichloropropene	5.63	75	24267	4.943	ug/l #	49
38) Carbon Tetrachloride	5.64	117	30921	6.179	ug/l #	16
44) Trichloroethene	7.20	130	1940	0.487	ug/l	81
60) Dibromochloromethane	9.32	129	1061	0.276	ug/l #	11
64) Tetrachloroethene	9.32	164	1091	0.287	ug/l #	87
76) 1,2,3-Trichloropropane	11.12	75	130937	25.867	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	130937	68.108	ug/l #	12

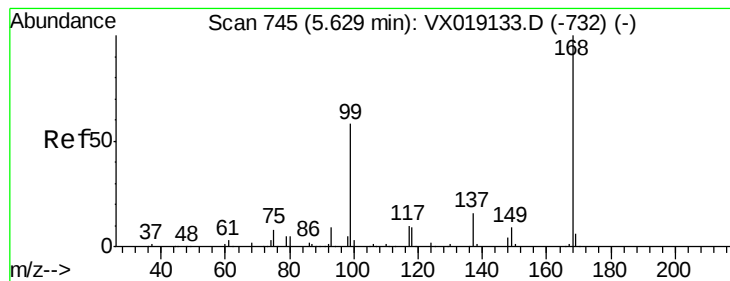
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX019338.D

Acq: 06 Nov 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

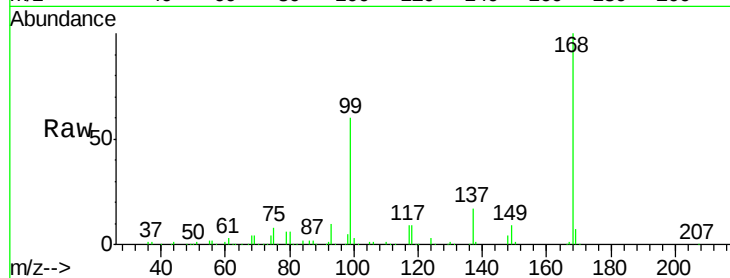
BP-VPB178-GW-238-240

Tot Ion:168 Resp: 303682

Ion Ratio Lower Upper

168 100

99 59.7 46.6 69.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

120000

100000

80000

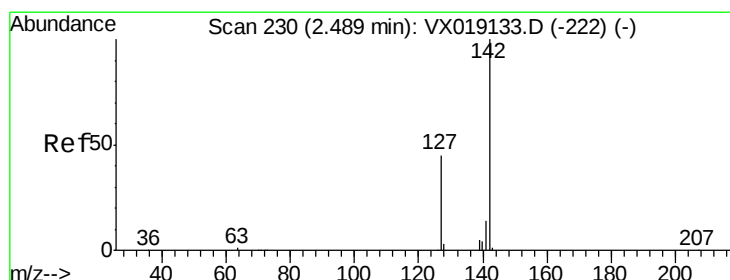
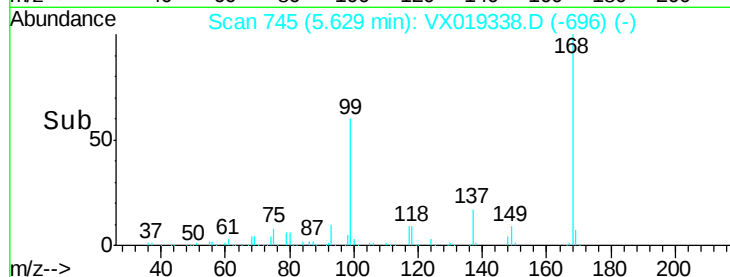
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 6.414 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019338.D

Acq: 06 Nov 2020 13:51

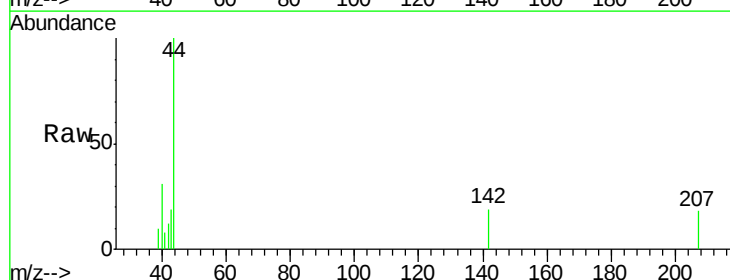
Tgt Ion:142 Resp: 137

Ion Ratio Lower Upper

142 100

127 0.0 36.1 54.1#

141 0.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

2.50

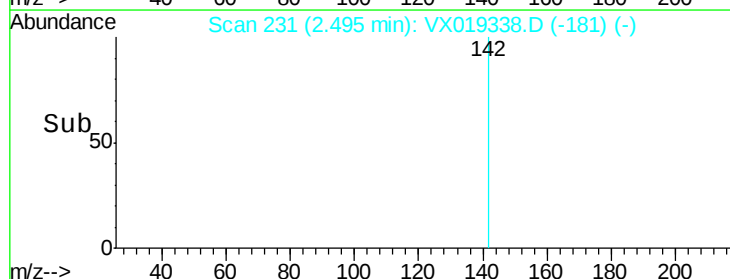
150

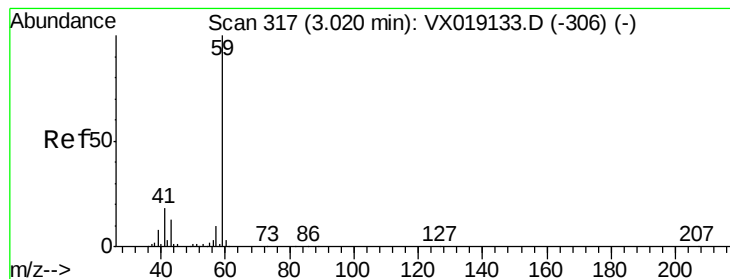
100

50

0

Time-->



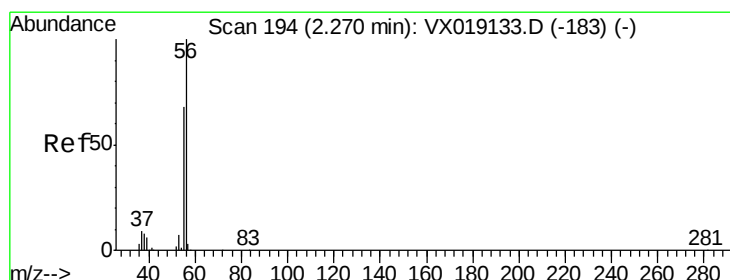
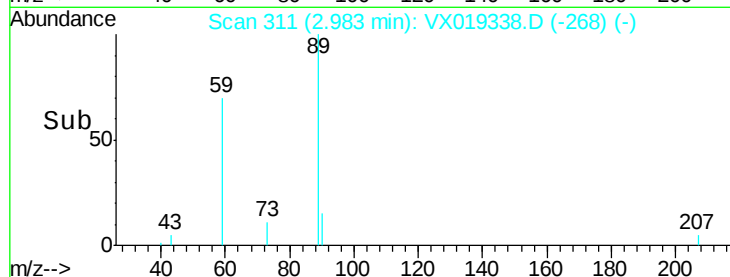
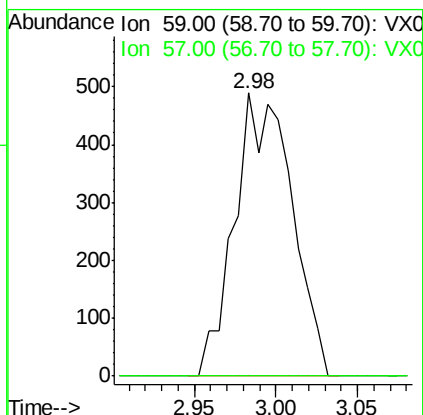
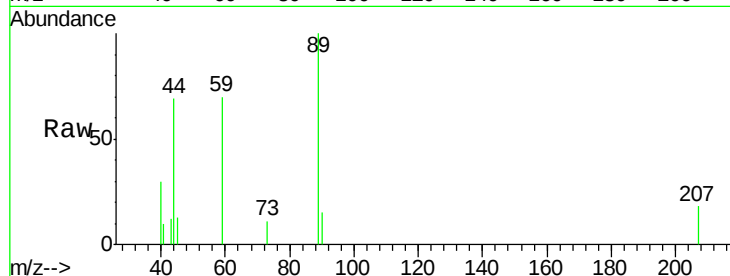


#11

Tert butyl alcohol
 Concen: 1.545 ug/l
 RT: 2.98 min Scan# 311
 Delta R.T. -0.04 min
 Lab File: VX019338.D
 Acq: 06 Nov 2020 13:51

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB178-GW-238-240

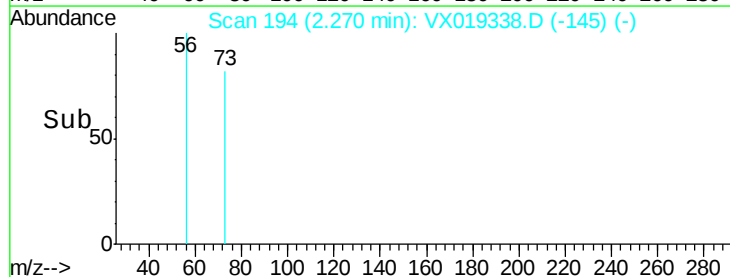
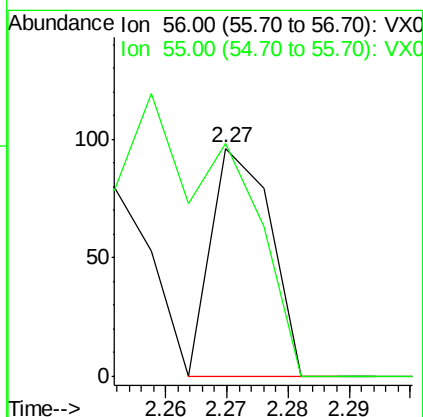
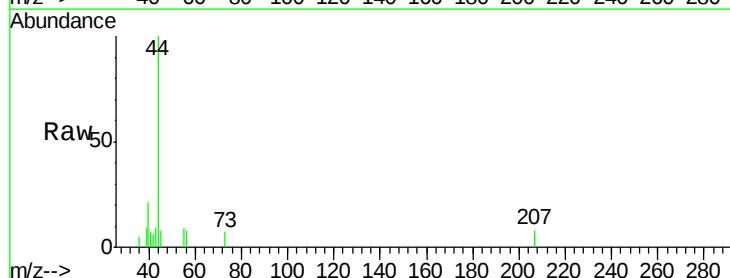
Tot Ion: 59 Resp: 1195
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

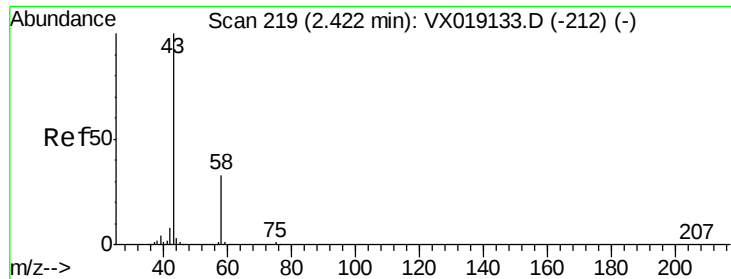


#13

Acrolein
 Concen: 5.829 ug/l
 RT: 2.27 min Scan# 194
 Delta R.T. 0.00 min
 Lab File: VX019338.D
 Acq: 06 Nov 2020 13:51

Tgt Ion: 56 Resp: 64
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.7 82.1#





#16

Acetone

Concen: 6.381 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX019338.D

Acq: 06 Nov 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

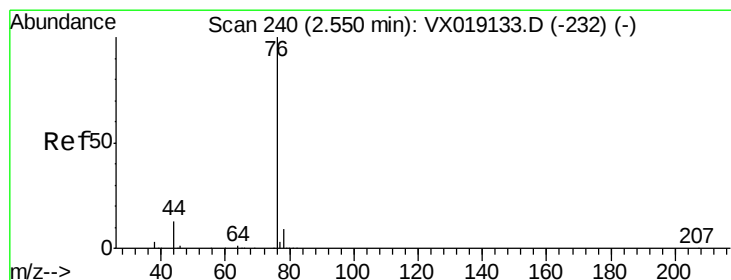
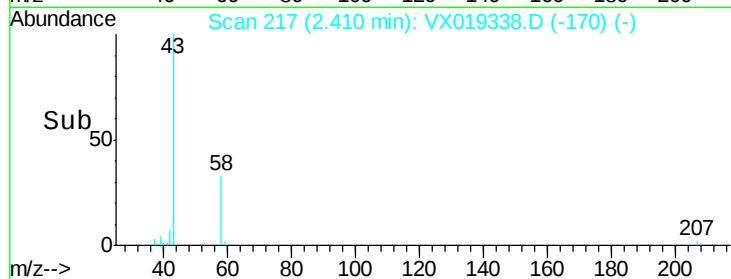
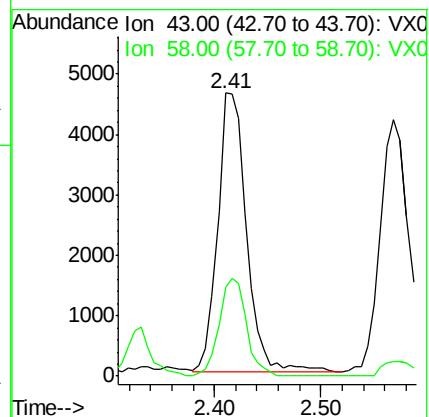
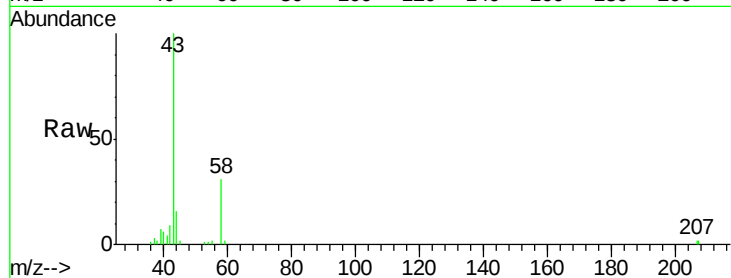
BP-VPB178-GW-238-240

Tot Ion: 43 Resp: 8621

Ion Ratio Lower Upper

43 100

58 31.9 26.3 39.5



#17

Carbon Disulfide

Concen: 0.828 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019338.D

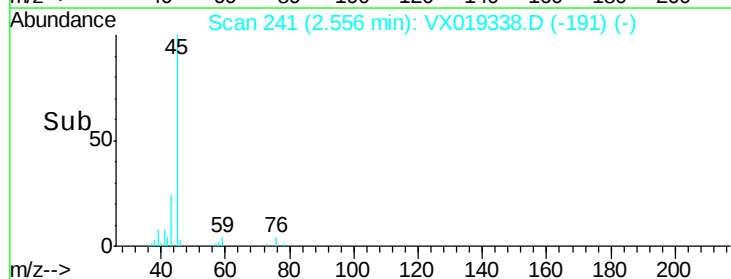
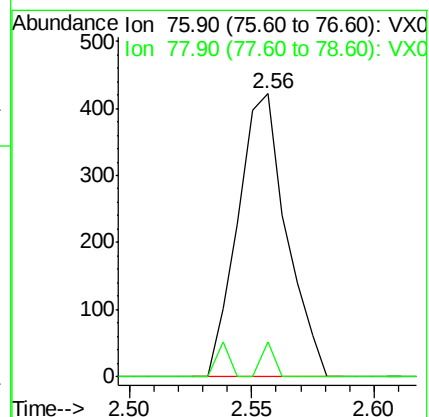
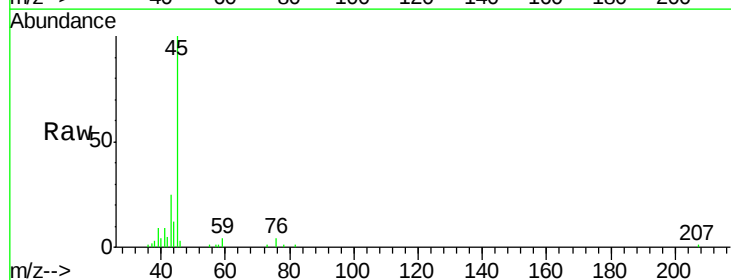
Acq: 06 Nov 2020 13:51

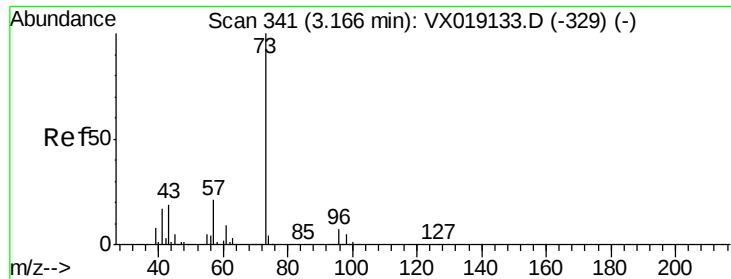
Tgt Ion: 76 Resp: 581

Ion Ratio Lower Upper

76 100

78 12.3 7.3 10.9#

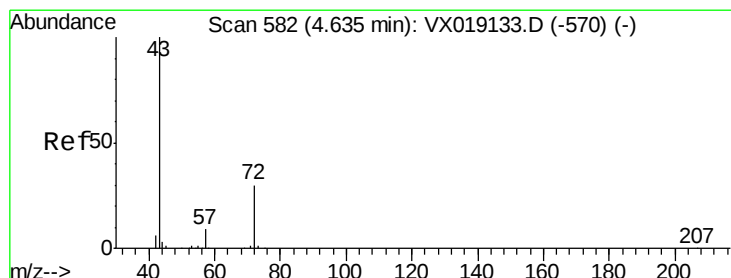
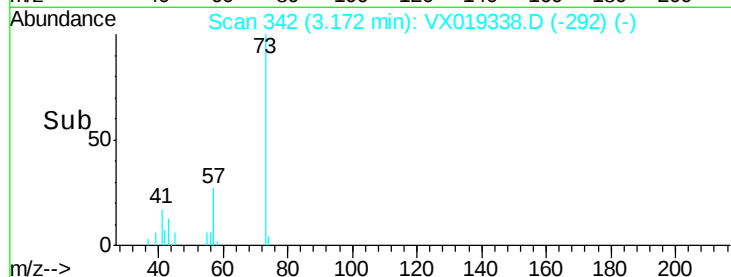
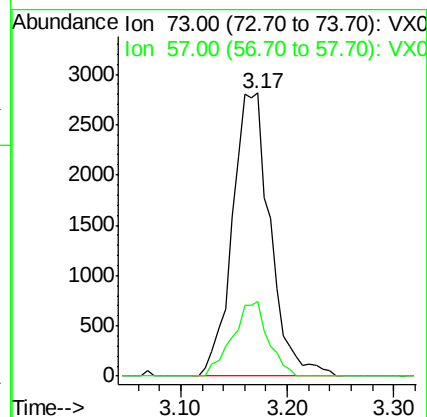
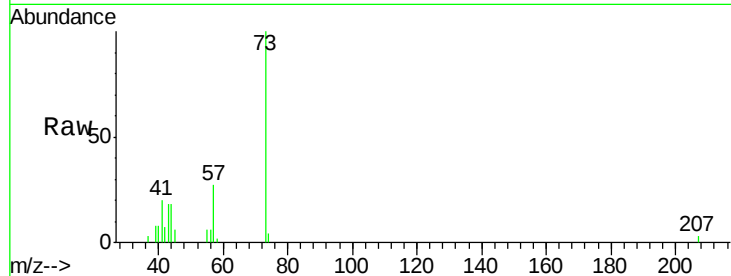




#19
Methvl tert-butvl Ether
Concen: 0.689 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX019338.D
Acq: 06 Nov 2020 13:51

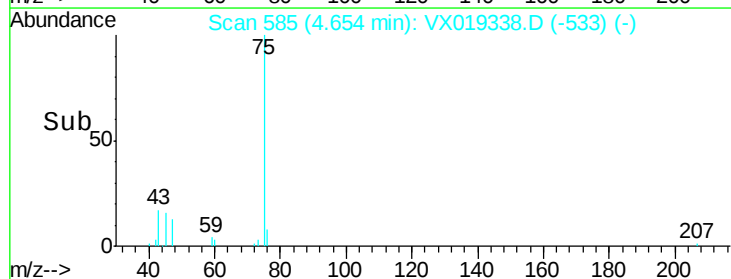
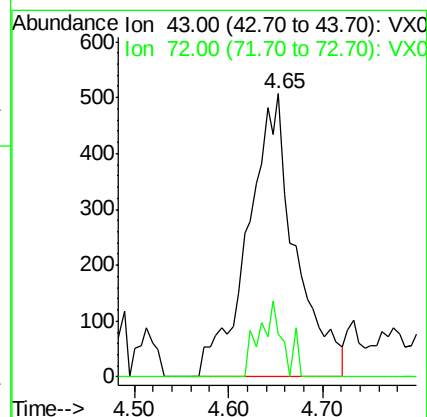
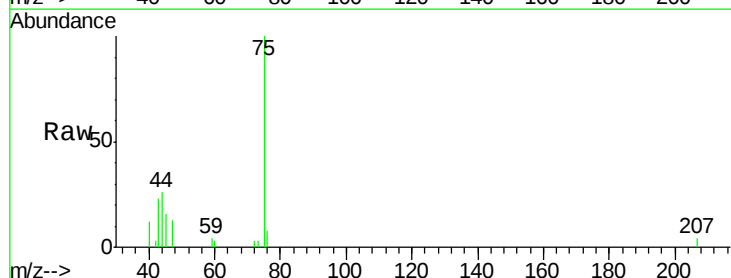
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-238-240

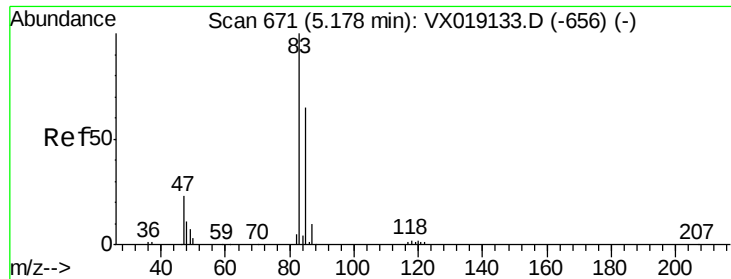
Tot Ion: 73 Resp: 7022
Ion Ratio Lower Upper
73 100
57 26.5 16.6 25.0#



#25
2-Butanone
Concen: 0.839 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.02 min
Lab File: VX019338.D
Acq: 06 Nov 2020 13:51

Tgt Ion: 43 Resp: 1786
Ion Ratio Lower Upper
43 100
72 15.0 24.6 36.8#

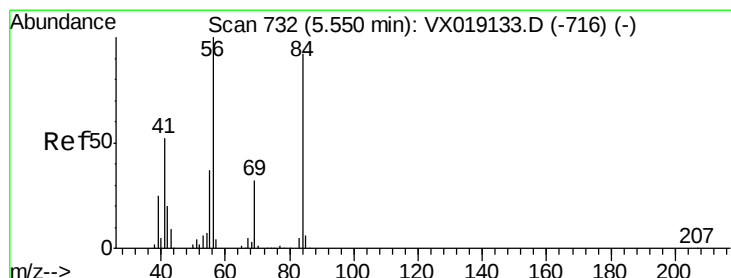
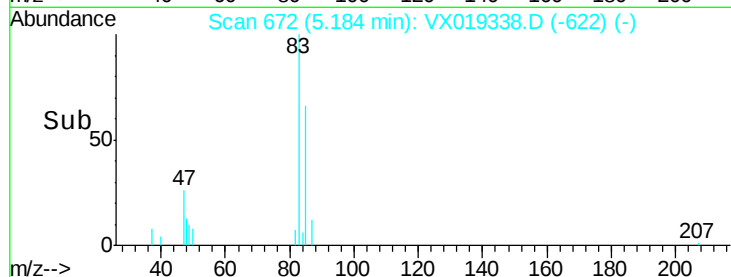
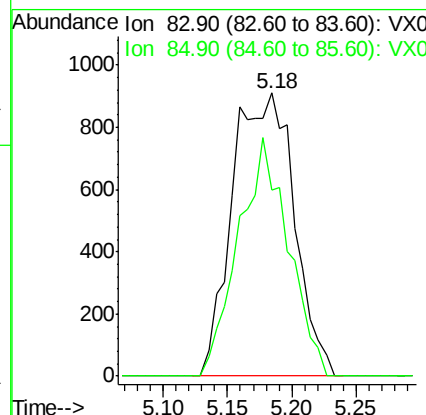
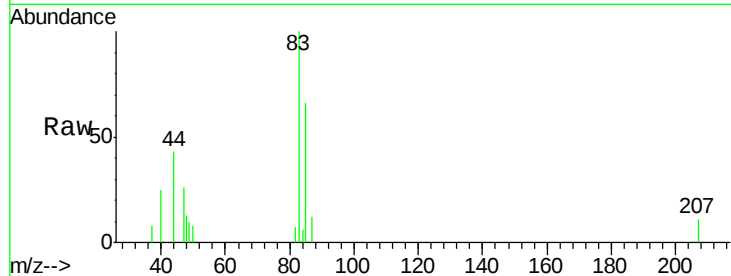




#30
Chloroform
Concen: 0.513 ug/l
RT: 5.18 min Scan# 672
Delta R.T. 0.01 min
Lab File: VX019338.D
Acq: 06 Nov 2020 13:51

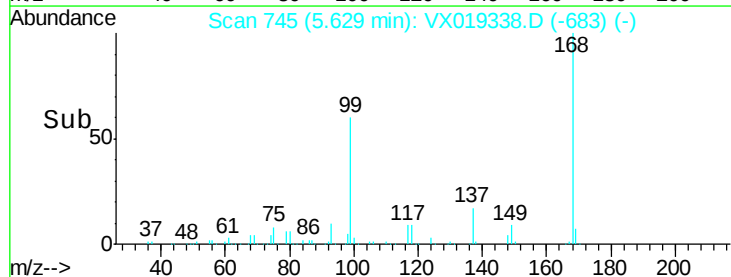
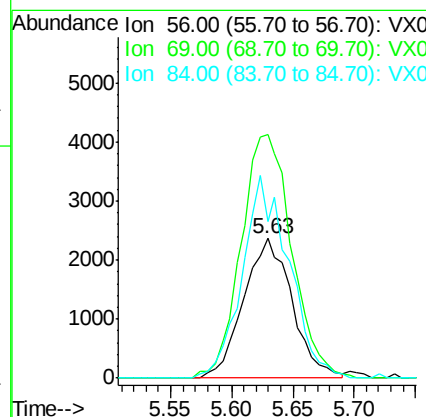
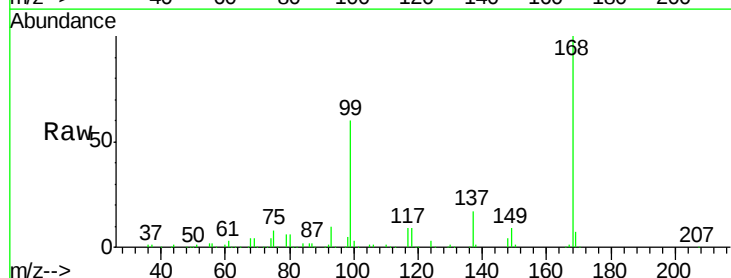
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-238-240

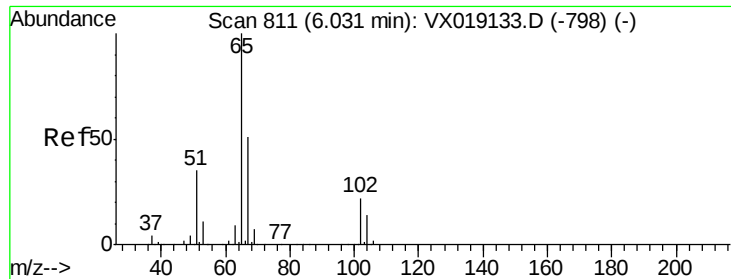
Tot Ion: 83 Resp: 3031
Ion Ratio Lower Upper
83 100
85 65.8 51.9 77.9



#31
Cyclohexane
Concen: 1.319 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX019338.D
Acq: 06 Nov 2020 13:51

Tgt Ion: 56 Resp: 6529
Ion Ratio Lower Upper
56 100
69 174.7 25.9 38.9#
84 112.2 73.4 110.2#





#33

1,2-Dichloroethane-d4

Concen: 53.530 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX019338.D

Acq: 06 Nov 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

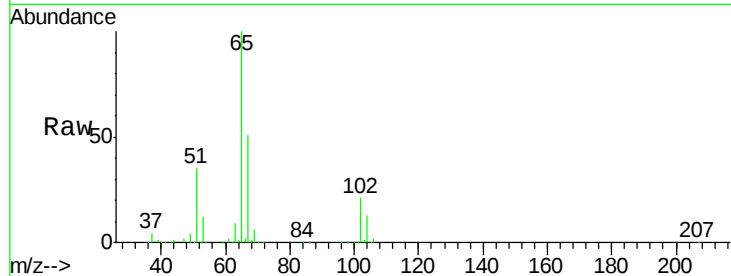
BP-VPB178-GW-238-240

Tot Ion: 65 Resp: 209643

Ion Ratio Lower Upper

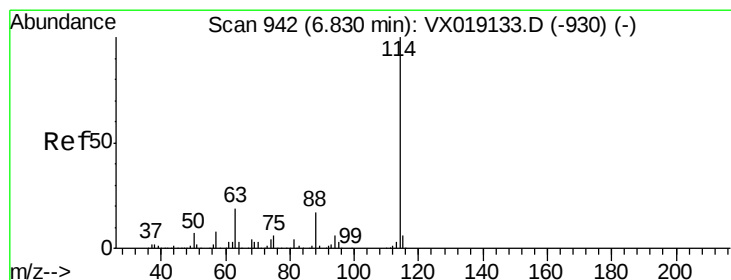
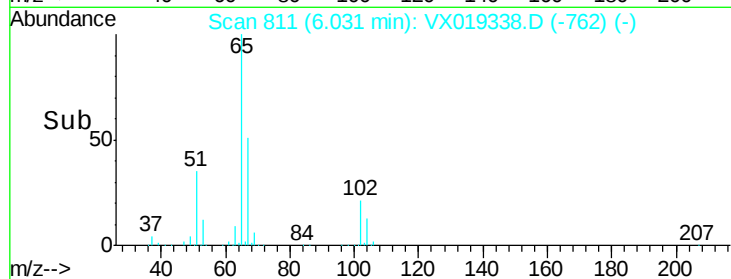
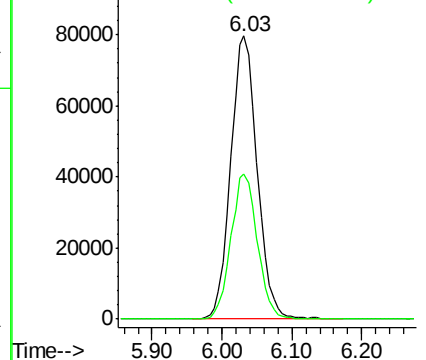
65 100

67 51.2 0.0 103.0



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019338.D

Acq: 06 Nov 2020 13:51

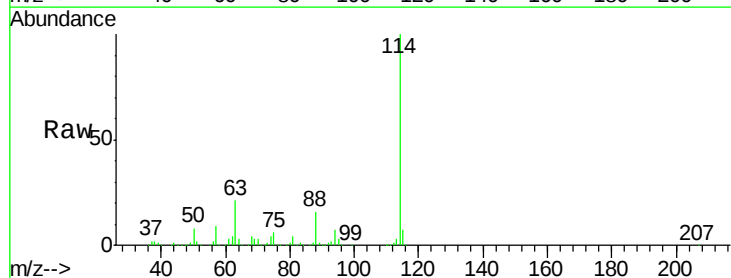
Tgt Ion: 114 Resp: 531681

Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.8

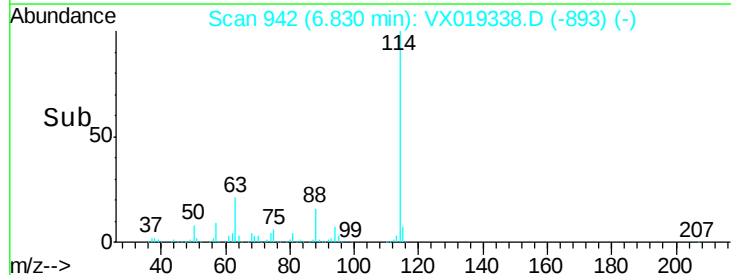
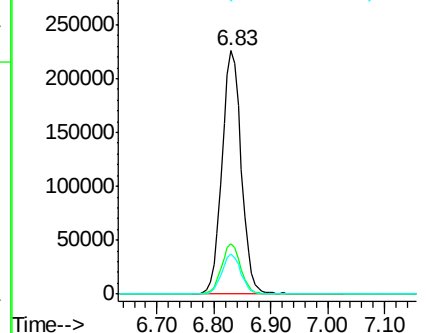
88 16.3 0.0 34.2

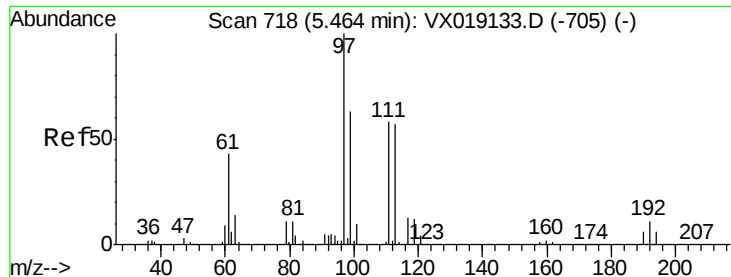


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

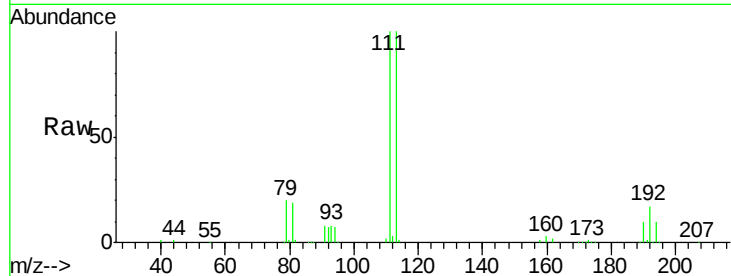




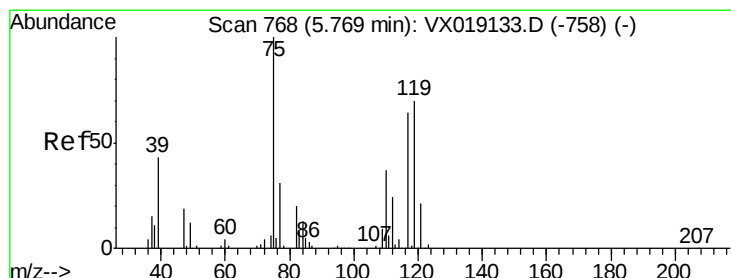
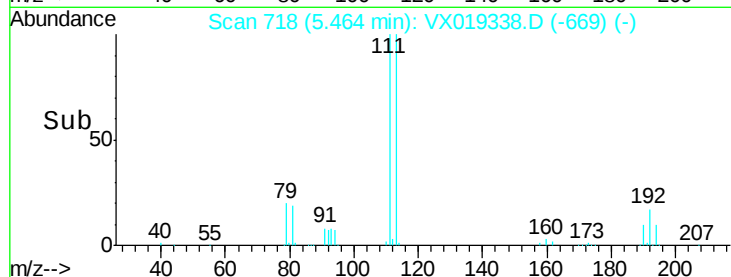
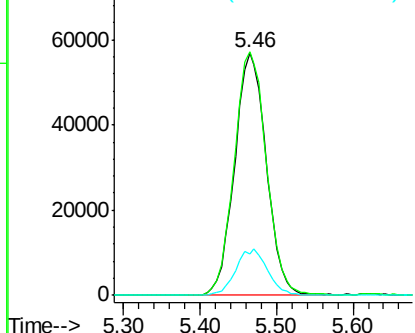
#35
Dibromofluoromethane
Concen: 49.007 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.00 min
Lab File: VX019338.D
Acq: 06 Nov 2020 13:51

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-238-240

Tot Ion:113 Resp: 163667
Ion Ratio Lower Upper
113 100
111 102.0 82.3 123.5
192 19.0 16.2 24.2

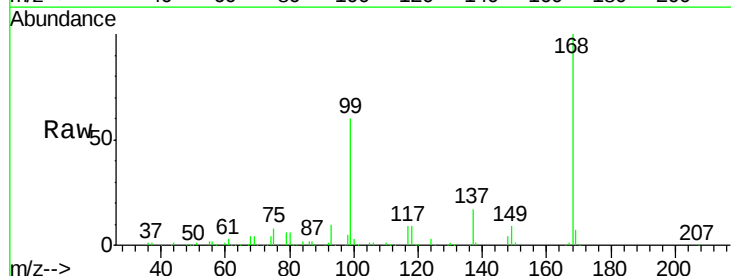


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

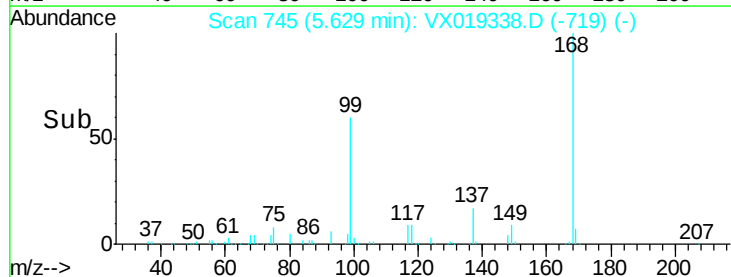
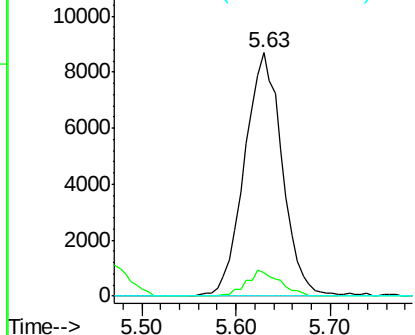


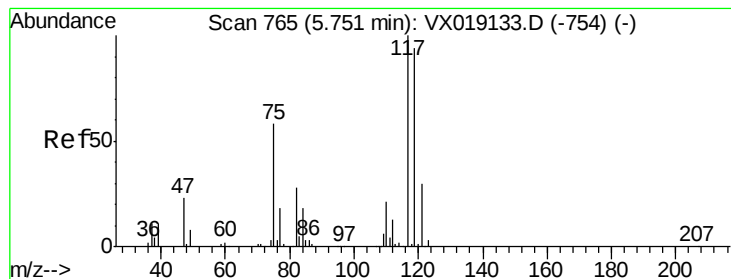
#36
1,1-Dichloropropene
Concen: 4.943 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.14 min
Lab File: VX019338.D
Acq: 06 Nov 2020 13:51

Tgt Ion: 75 Resp: 24267
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.9#
77 0.0 24.9 37.3#



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: 6.179 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX019338.D

Acq: 06 Nov 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-238-240

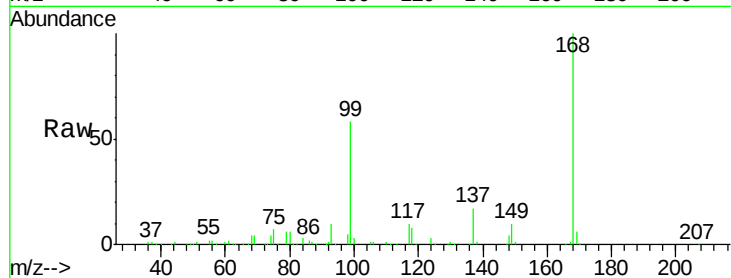
Tot Ion:117 Resp: 30921

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

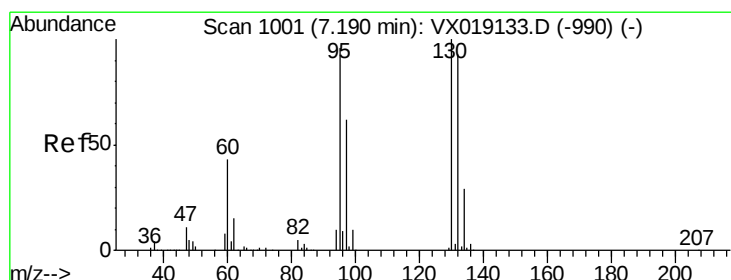
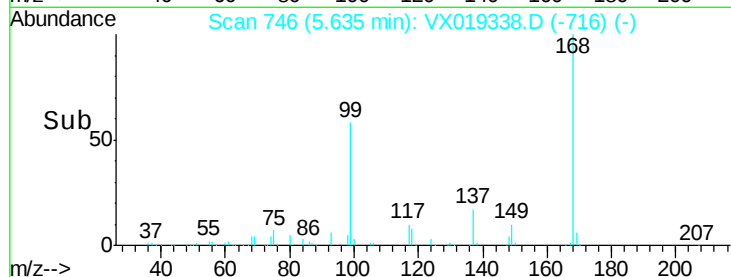
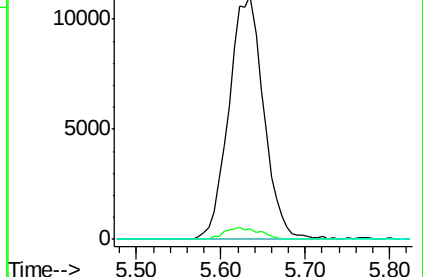
121 0.0 23.9 35.9#



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: 0.487 ug/l

RT: 7.20 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VX019338.D

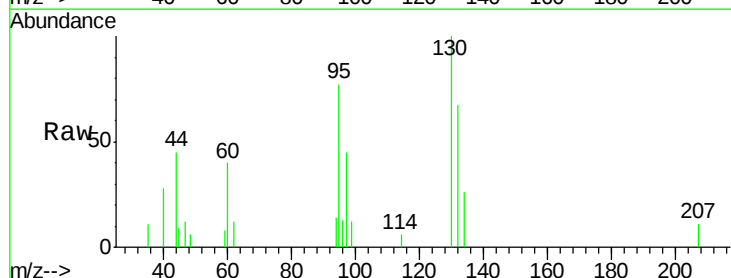
Acq: 06 Nov 2020 13:51

Tgt Ion:130 Resp: 1940

Ion Ratio Lower Upper

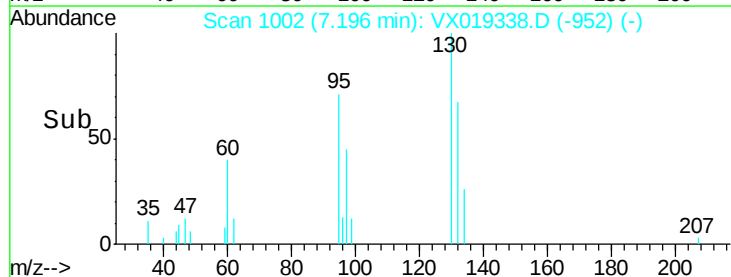
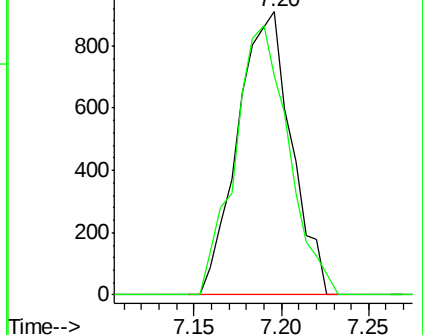
130 100

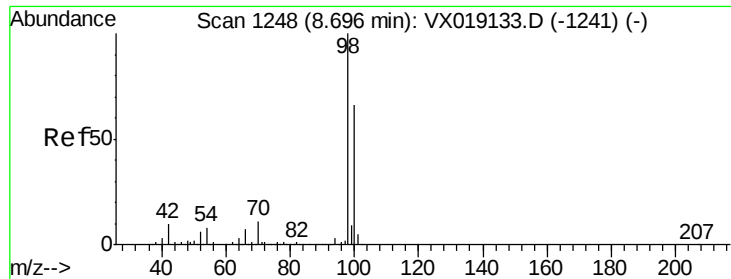
95 77.4 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.188 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX019338.D

Acq: 06 Nov 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

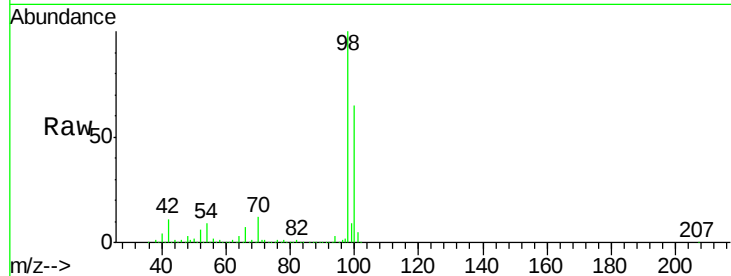
BP-VPB178-GW-238-240

Tot Ion: 98 Resp: 644428

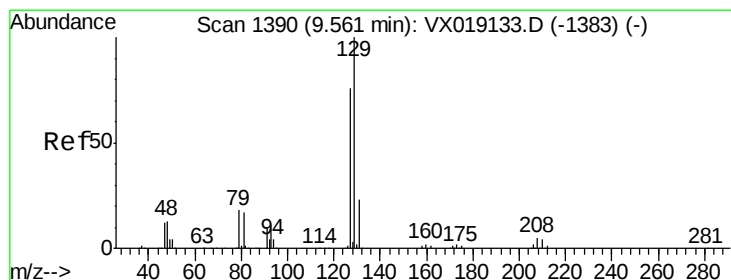
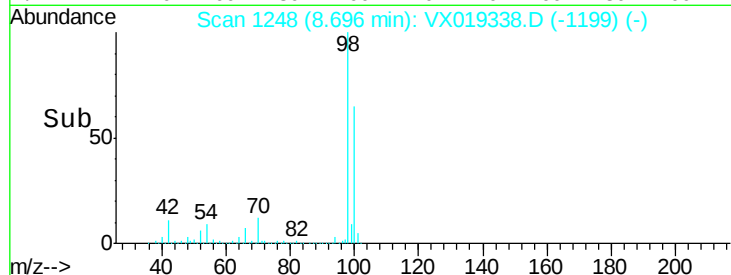
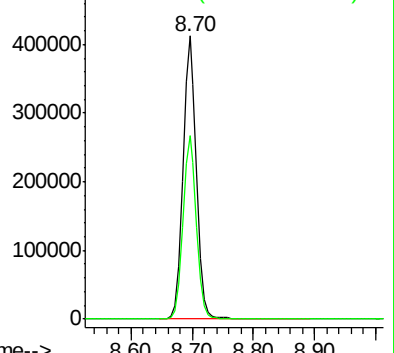
Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX019338.D (-1199) (-)



#60

Dibromochloromethane

Concen: 0.276 ug/l

RT: 9.32 min Scan# 1351

Delta R.T. -0.24 min

Lab File: VX019338.D

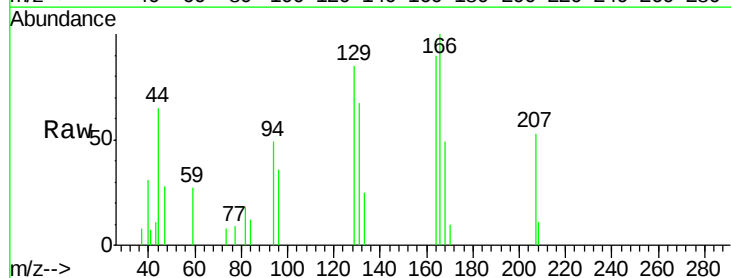
Acq: 06 Nov 2020 13:51

Tgt Ion: 129 Resp: 1061

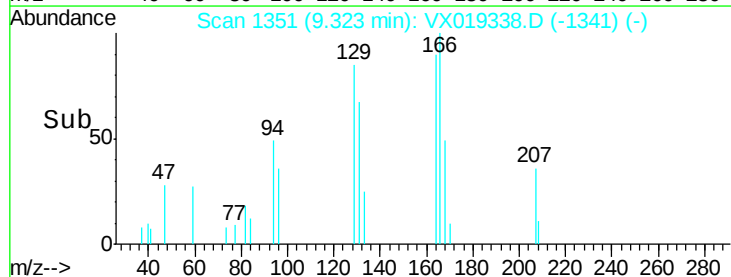
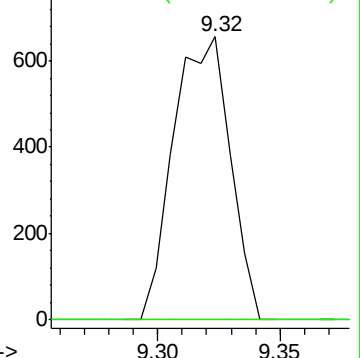
Ion Ratio Lower Upper

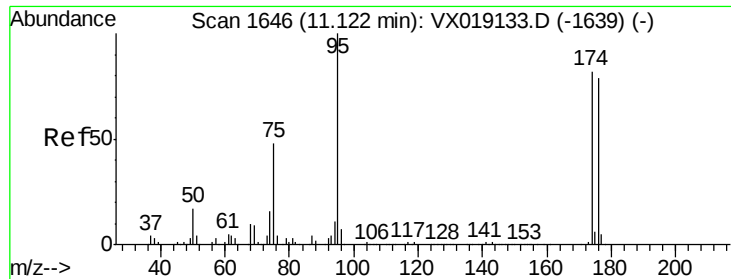
129 100

127 0.0 38.6 115.8#



Abundance Ion 128.80 (128.50 to 129.50): VX019338.D (-1341) (-)

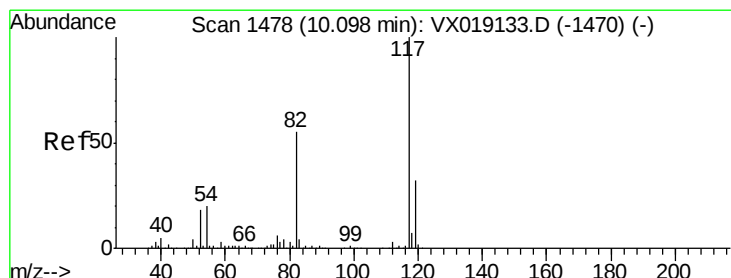
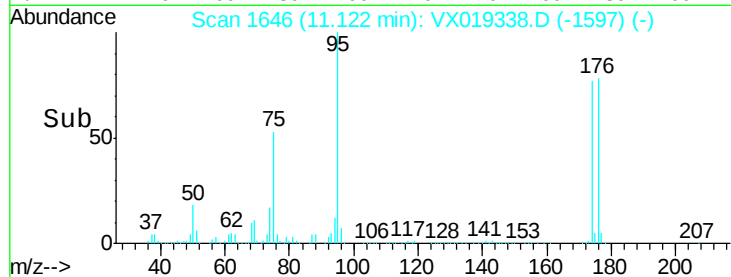
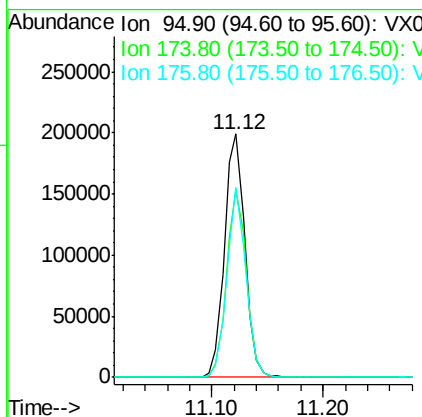
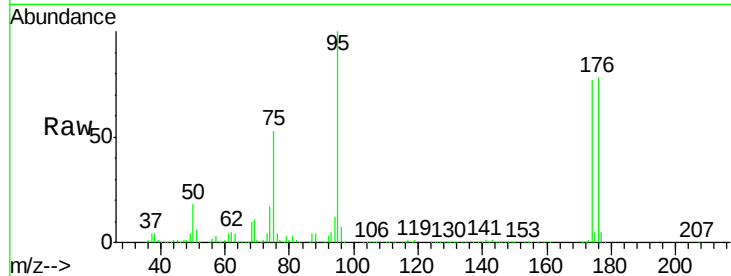




#62
4-Bromofluorobenzene
Concen: 52.834 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019338.D
Acq: 06 Nov 2020 13:51

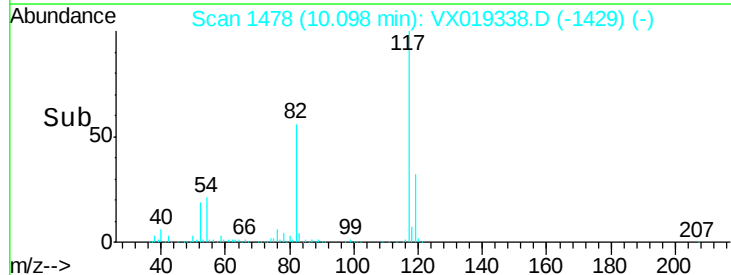
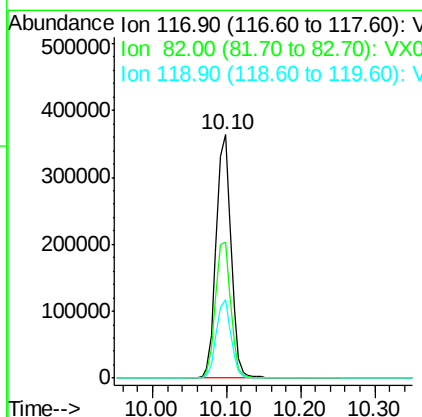
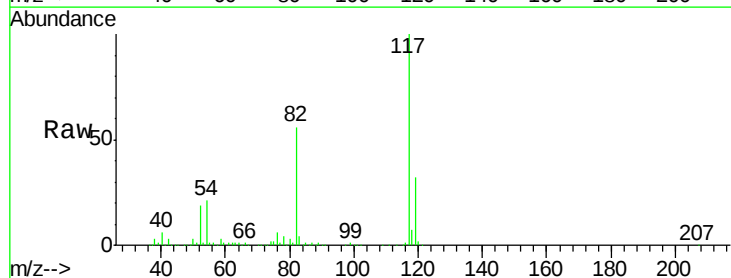
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-238-240

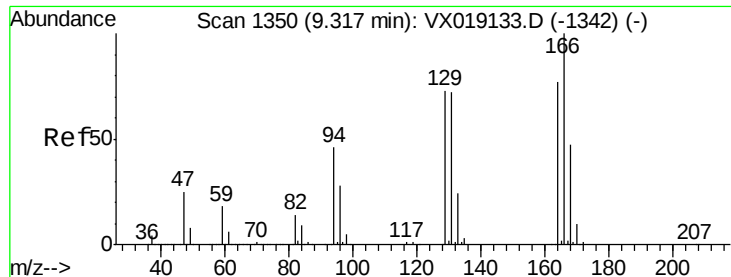
Tot Ion: 95 Resp: 251896
Ion Ratio Lower Upper
95 100
174 75.3 0.0 156.0
176 72.7 0.0 149.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019338.D
Acq: 06 Nov 2020 13:51

Tgt Ion: 117 Resp: 499035
Ion Ratio Lower Upper
117 100
82 56.0 43.6 65.4
119 32.4 25.5 38.3

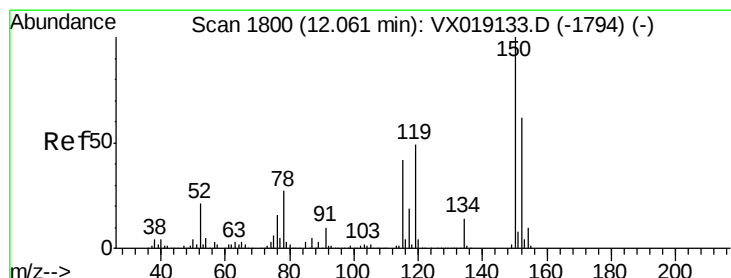
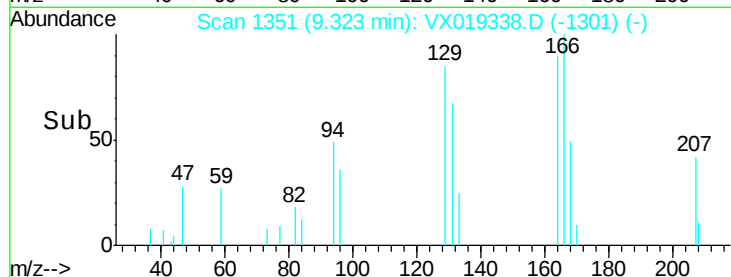
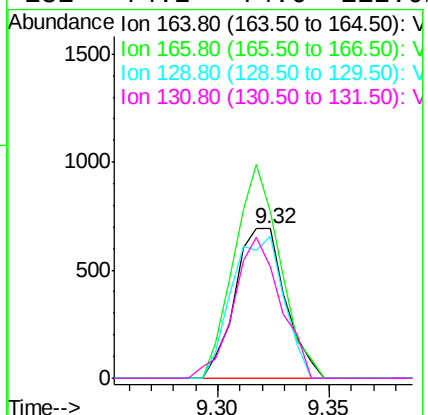
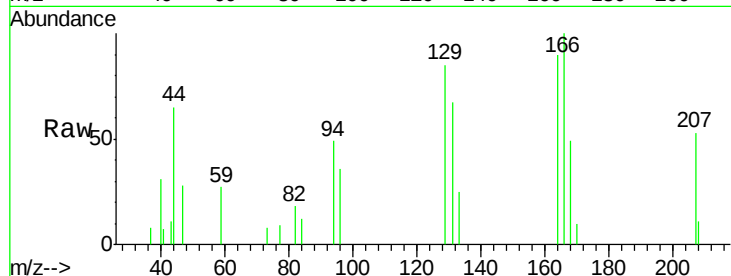




#64
Tetrachloroethene
Concen: 0.287 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX019338.D
Acq: 06 Nov 2020 13:51

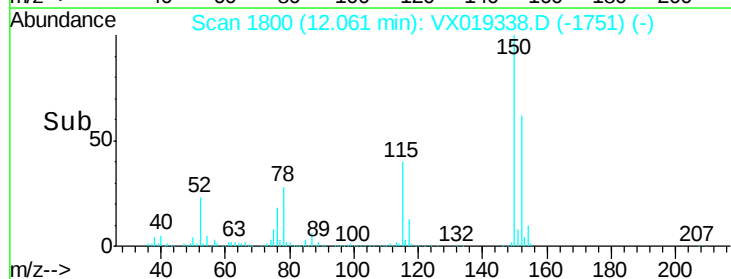
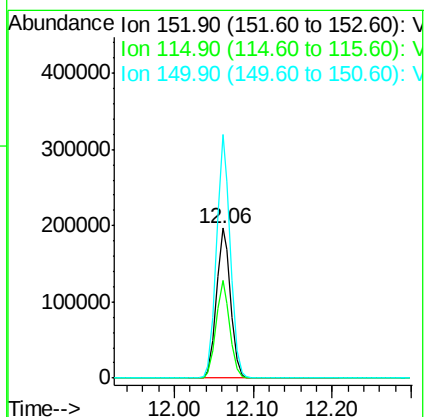
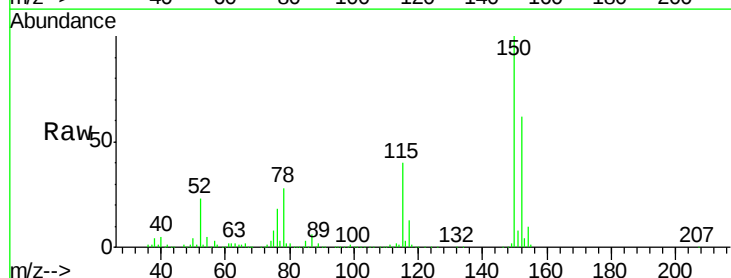
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-238-240

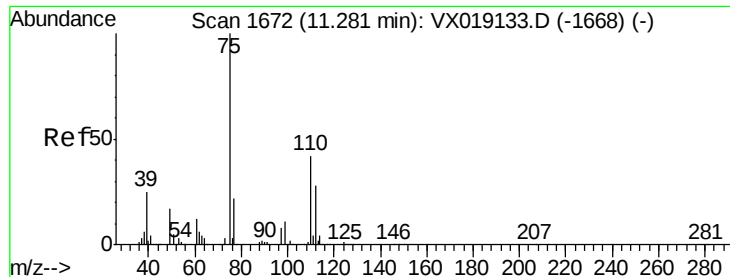
Tot Ion:164 Resp: 1091
Ion Ratio Lower Upper
164 100
166 111.4 104.1 156.1
129 94.7 76.2 114.4
131 74.2 74.6 112.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019338.D
Acq: 06 Nov 2020 13:51

Tgt Ion:152 Resp: 245155
Ion Ratio Lower Upper
152 100
115 63.1 41.9 125.7
150 159.0 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 25.867 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019338.D

Acq: 06 Nov 2020 13:51

Instrument :

MSVOA_X

ClientSampleId :

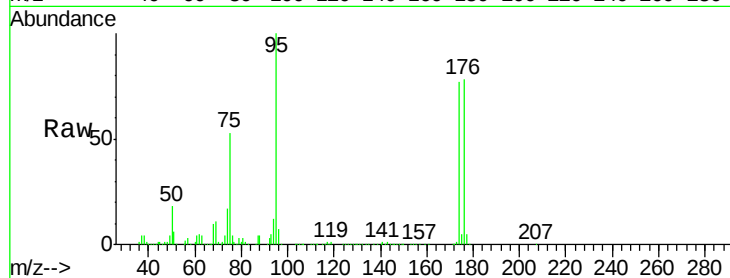
BP-VPB178-GW-238-240

Tot Ion: 75 Resp: 130937

Ion Ratio Lower Upper

75 100

77 1.0 20.3 60.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

100000

80000

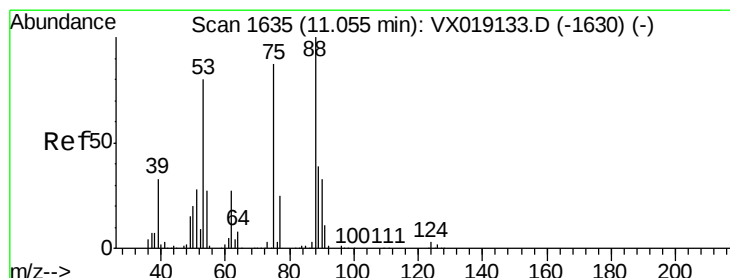
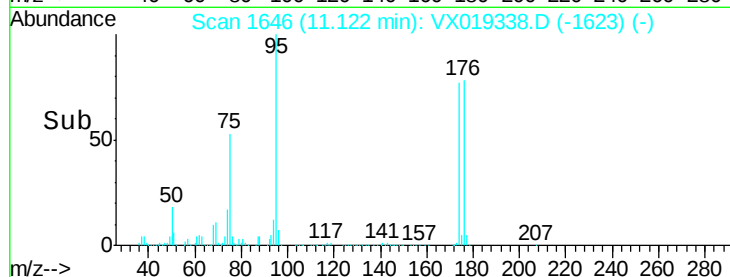
60000

40000

20000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 68.108 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019338.D

Acq: 06 Nov 2020 13:51

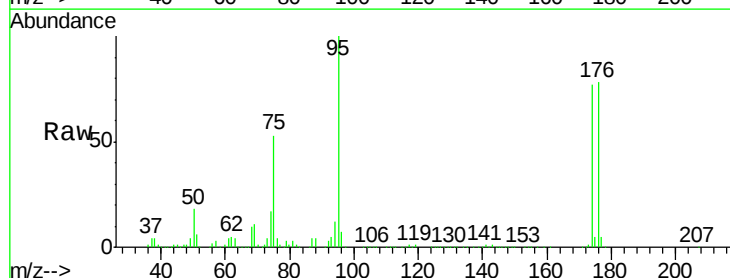
Tgt Ion: 75 Resp: 130937

Ion Ratio Lower Upper

75 100

53 0.0 73.3 109.9#

89 0.0 38.2 57.2#



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

11.12

100000

50000

0

Time-->

