

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110720\
 Data File : VX019341.D
 Acq On : 06 Nov 2020 14:59
 Operator : JC/MD
 Sample : L4662-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB178-GW-298-300

Quant Time: Nov 07 01:04:11 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	294465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	513031	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	487526	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	245474	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	206273	54.32	ug/l	0.00
Spiked Amount			Recovery	=	108.64%	
35) Dibromofluoromethane	5.46	113	159999	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
50) Toluene-d8	8.70	98	624605	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	11.12	95	244101	53.06	ug/l	0.00
Spiked Amount			Recovery	=	106.12%	

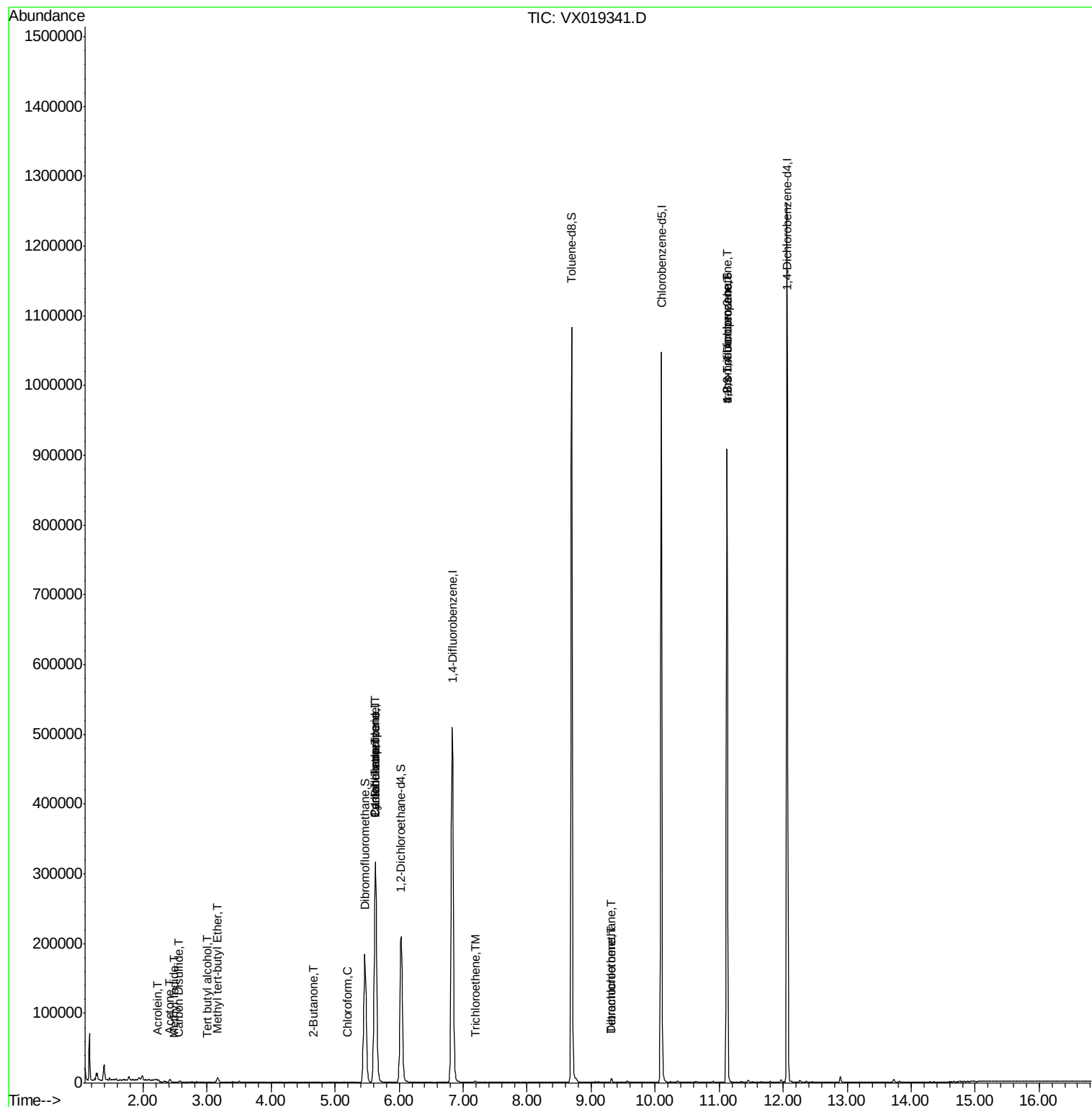
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.49	142	19	6.384	ug/l #	39
11) Tert butyl alcohol	3.00	59	190	0.253	ug/l #	72
13) Acrolein	2.23	56	90	5.910	ug/l #	1
16) Acetone	2.42	43	4462	3.406	ug/l	91
17) Carbon Disulfide	2.56	76	422	0.811	ug/l #	75
19) Methyl tert-butyl Ether	3.17	73	7623	0.771	ug/l #	86
25) 2-Butanone	4.65	43	1484	0.719	ug/l	95
30) Chloroform	5.19	83	1182	0.206	ug/l	91
31) Cyclohexane	5.62	56	6478	1.349	ug/l #	12
36) 1,1-Dichloropropene	5.64	75	23481	4.956	ug/l #	49
38) Carbon Tetrachloride	5.63	117	30165	6.247	ug/l #	18
44) Trichloroethene	7.19	130	781	0.203	ug/l	81
60) Dibromochloromethane	9.32	129	928	0.250	ug/l #	11
64) Tetrachloroethene	9.32	164	998	0.269	ug/l	88
76) 1,2,3-Trichloropropane	11.12	75	126234	24.906	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.12	75	126234	65.576	ug/l #	12

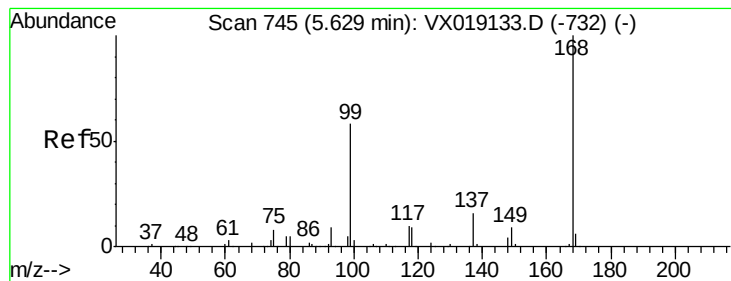
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Oct 27 13:55:07 2020
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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: VX019341.D

Acq: 06 Nov 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

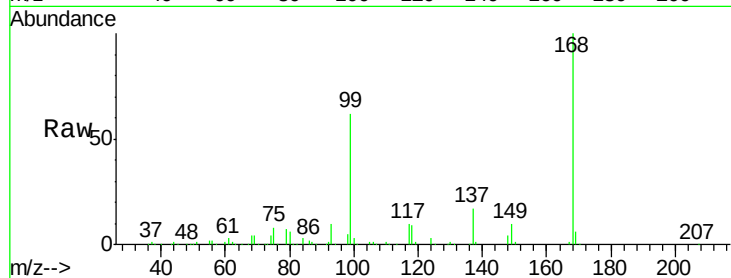
BP-VPB178-GW-298-300

Tot Ion:168 Resp: 294465

Ion Ratio Lower Upper

168 100

99 62.1 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

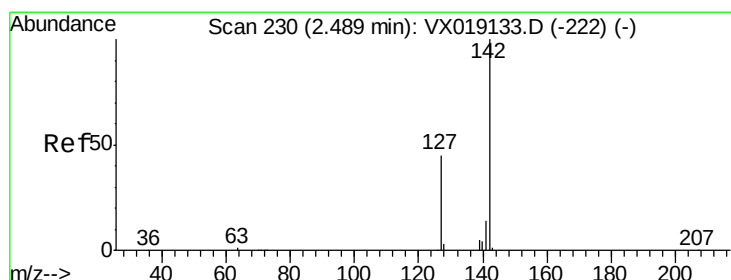
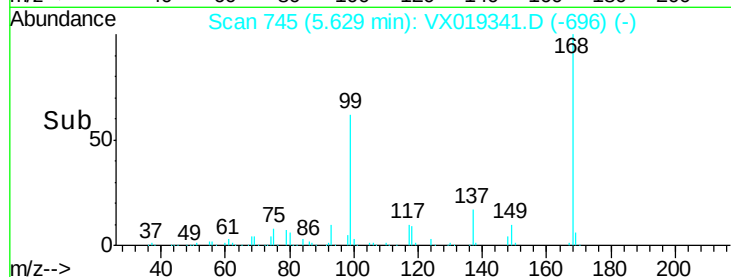
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 6.384 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX019341.D

Acq: 06 Nov 2020 14:59

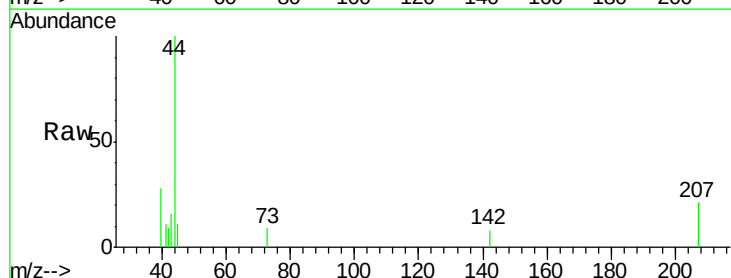
Tgt Ion:142 Resp: 19

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

2.49

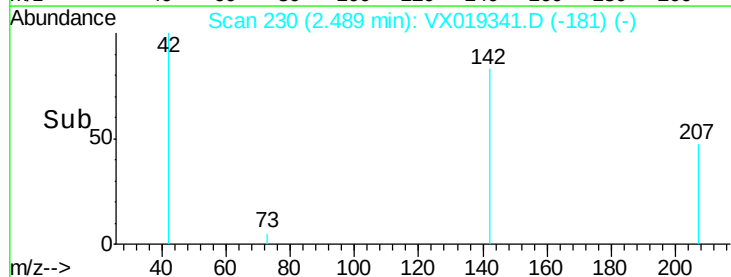
60

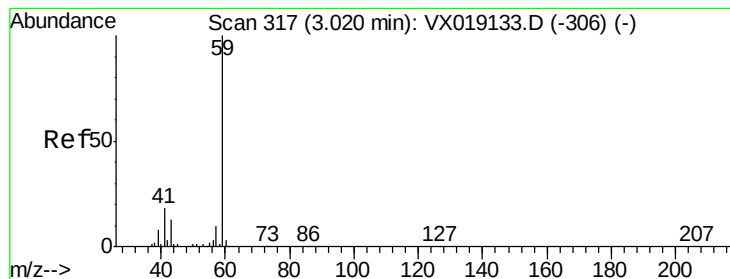
40

20

0

Time-->





#11

Tert butyl alcohol

Concen: 0.253 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX019341.D

Acq: 06 Nov 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

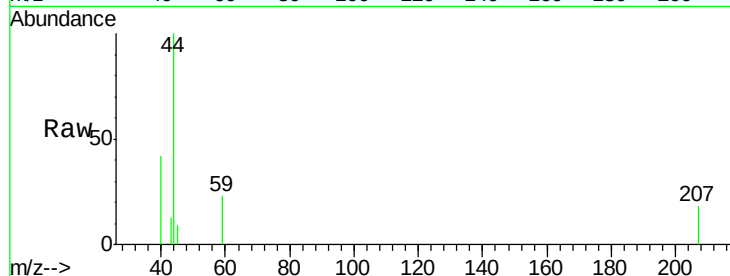
BP-VPB178-GW-298-300

Tot Ion: 59 Resp: 190

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

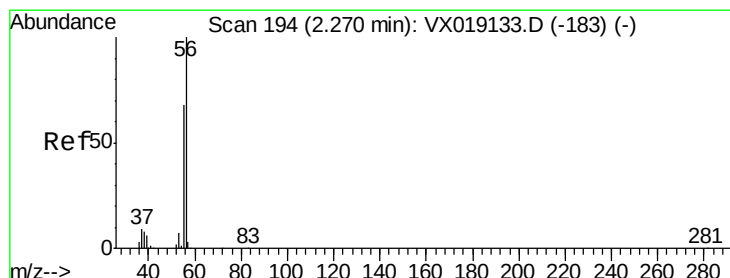
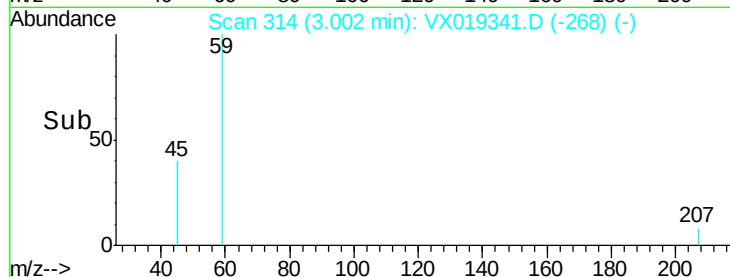
3.00

100

50

0

Time--> 2.95 3.00 3.05



#13

Acrolein

Concen: 5.910 ug/l

RT: 2.23 min Scan# 188

Delta R.T. -0.04 min

Lab File: VX019341.D

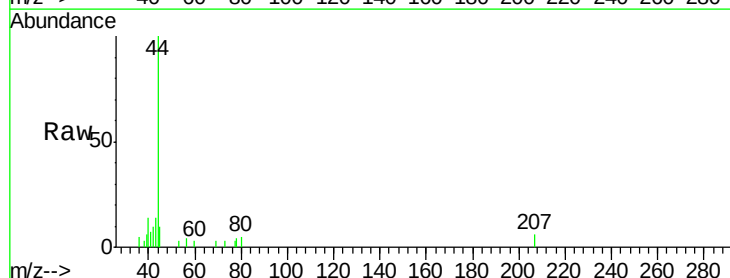
Acq: 06 Nov 2020 14:59

Tgt Ion: 56 Resp: 90

Ion Ratio Lower Upper

56 100

55 176.7 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

200

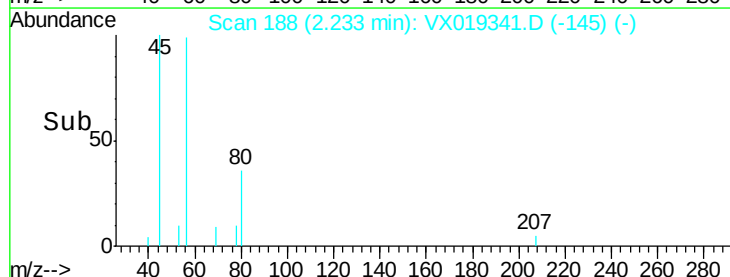
150

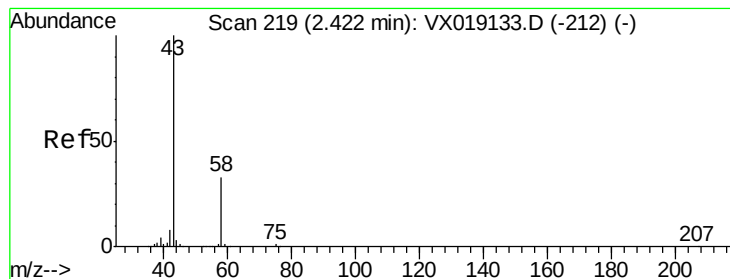
100

50

0

Time--> 2.20 2.22 2.24 2.26





#16

Acetone

Concen: 3.406 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX019341.D

Acq: 06 Nov 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

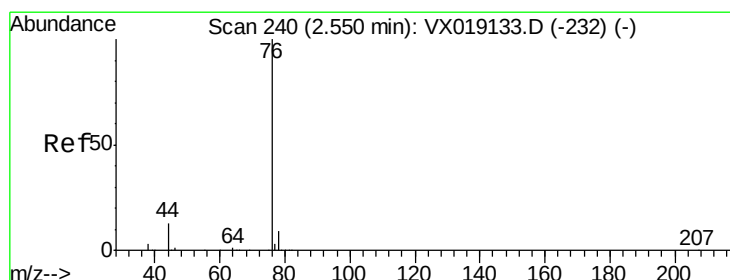
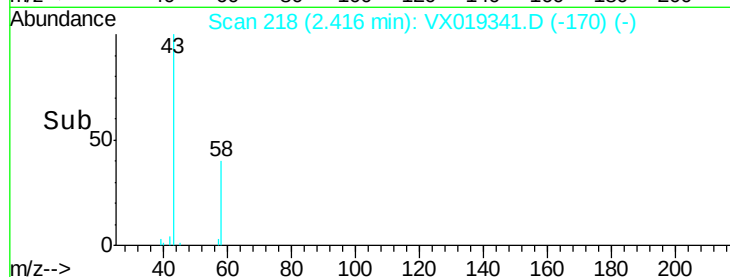
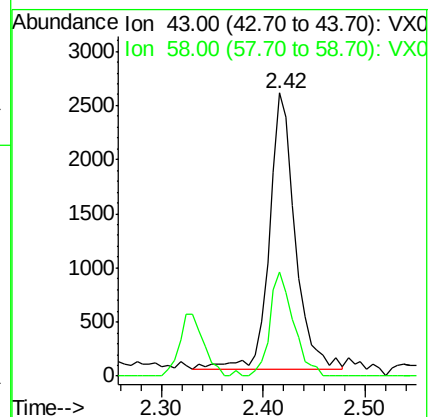
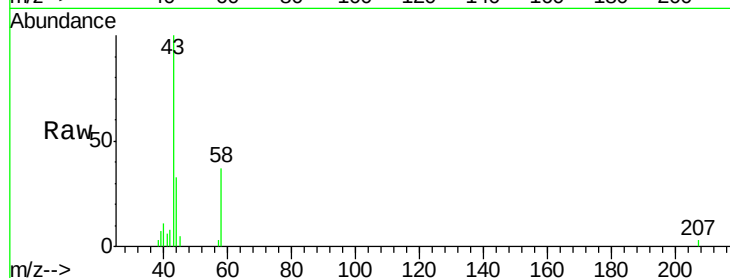
BP-VPB178-GW-298-300

Tot Ion: 43 Resp: 4462

Ion Ratio Lower Upper

43 100

58 37.8 26.3 39.5



#17

Carbon Disulfide

Concen: 0.811 ug/l

RT: 2.56 min Scan# 241

Delta R.T. 0.01 min

Lab File: VX019341.D

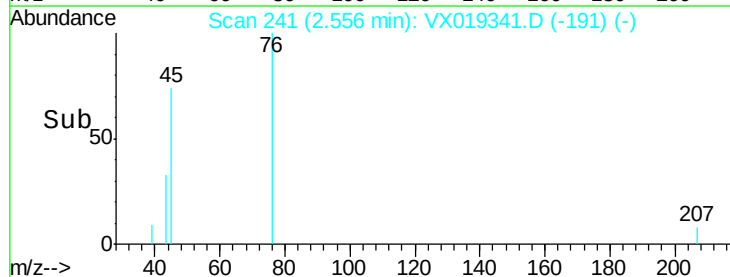
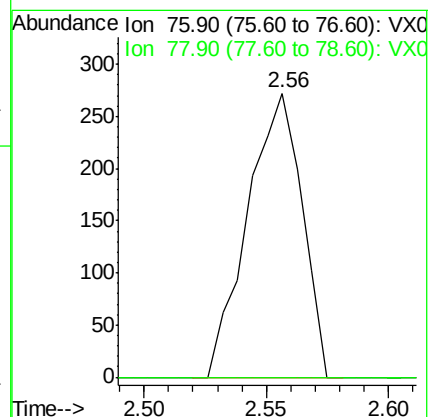
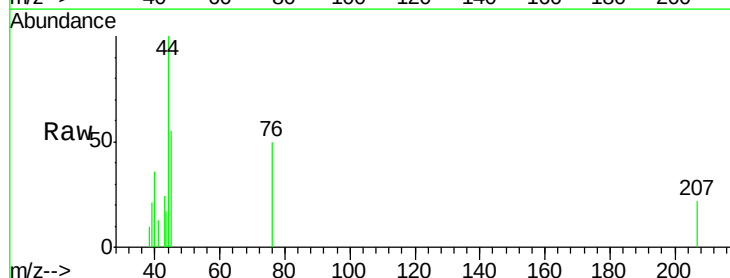
Acq: 06 Nov 2020 14:59

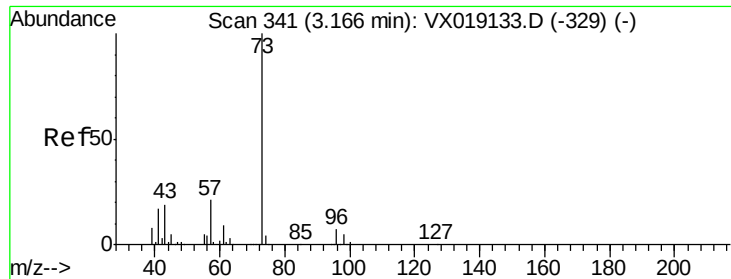
Tgt Ion: 76 Resp: 422

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

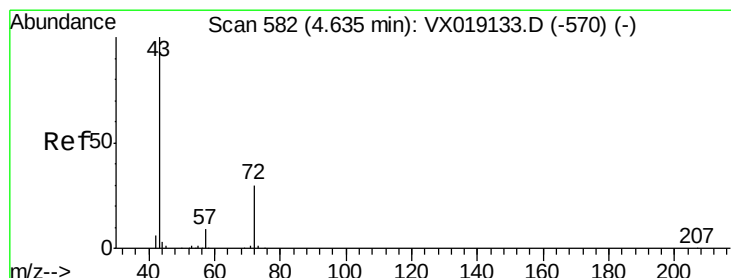
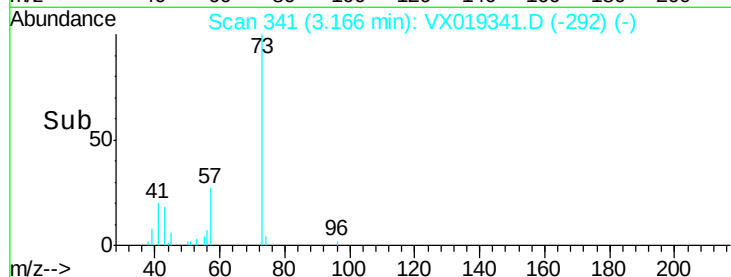
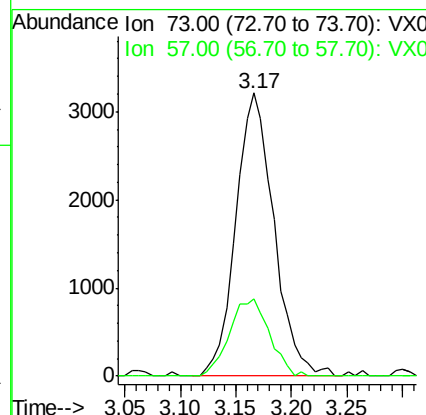
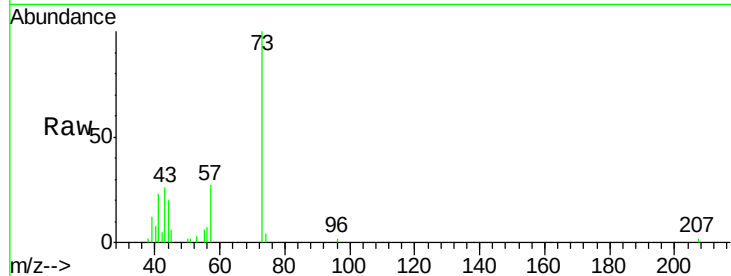




#19
Methyl tert-butyl Ether
Concen: 0.771 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX019341.D
Acq: 06 Nov 2020 14:59

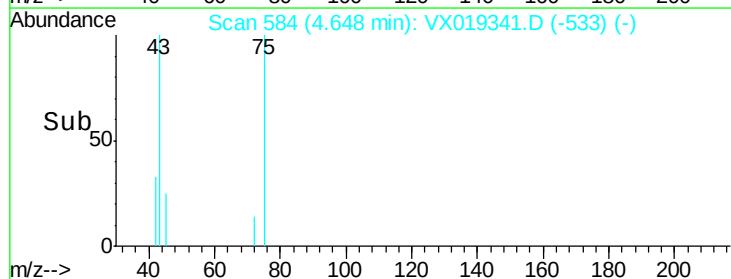
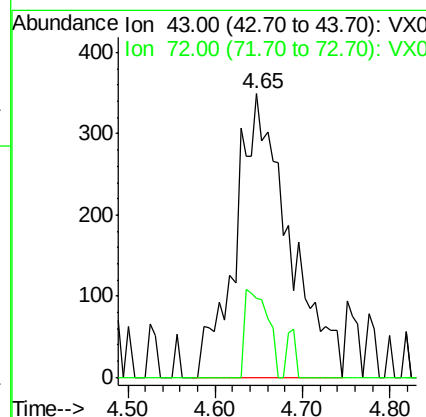
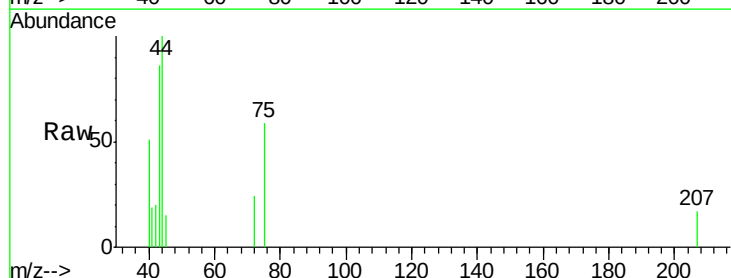
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-298-300

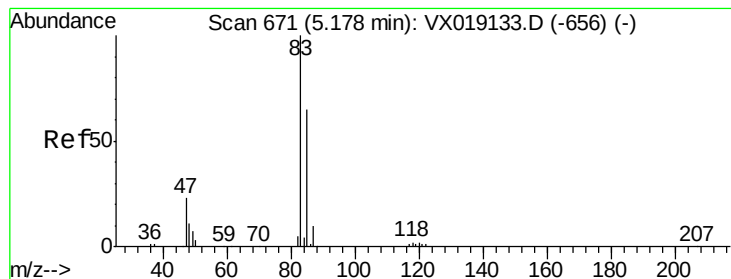
Tot Ion: 73 Resp: 7623
Ion Ratio Lower Upper
73 100
57 27.3 16.6 25.0#



#25
2-Butanone
Concen: 0.719 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX019341.D
Acq: 06 Nov 2020 14:59

Tgt Ion: 43 Resp: 1484
Ion Ratio Lower Upper
43 100
72 27.8 24.6 36.8





#30

Chloroform

Concen: 0.206 ug/l

RT: 5.19 min Scan# 673

Delta R.T. 0.01 min

Lab File: VX019341.D

Acq: 06 Nov 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

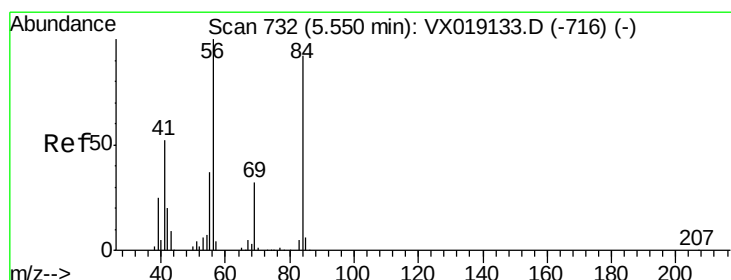
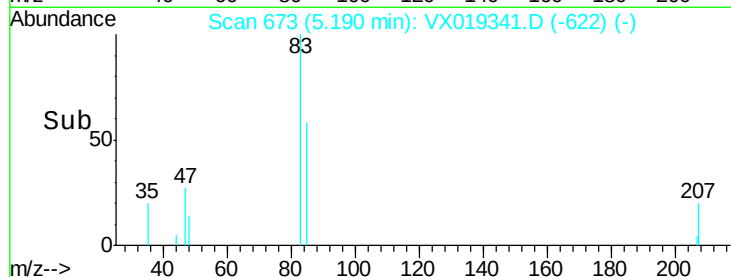
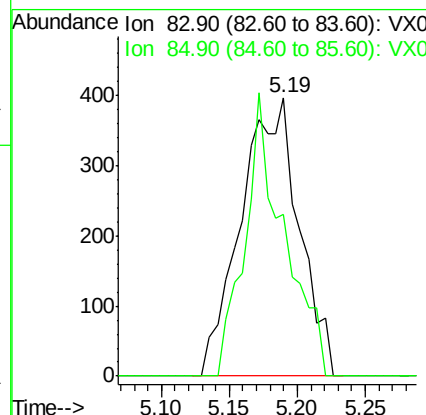
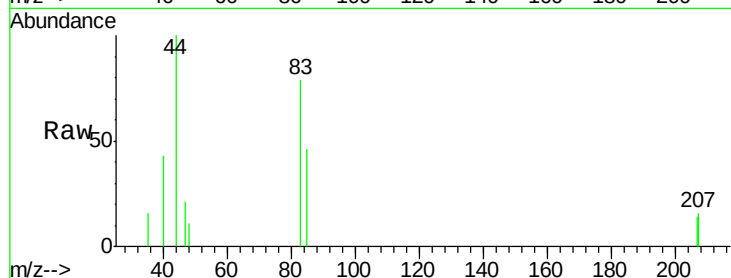
BP-VPB178-GW-298-300

Tot Ion: 83 Resp: 1182

Ion Ratio Lower Upper

83 100

85 57.9 51.9 77.9



#31

Cyclohexane

Concen: 1.349 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.07 min

Lab File: VX019341.D

Acq: 06 Nov 2020 14:59

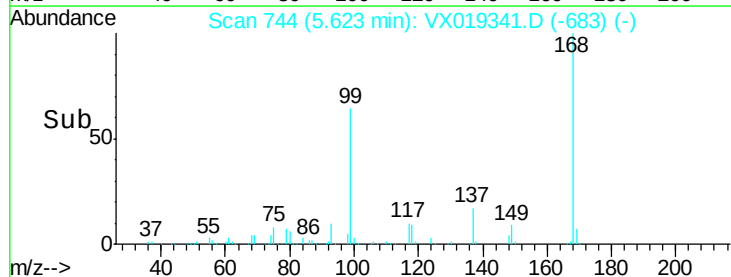
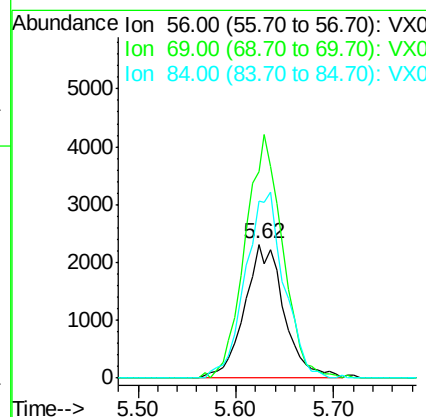
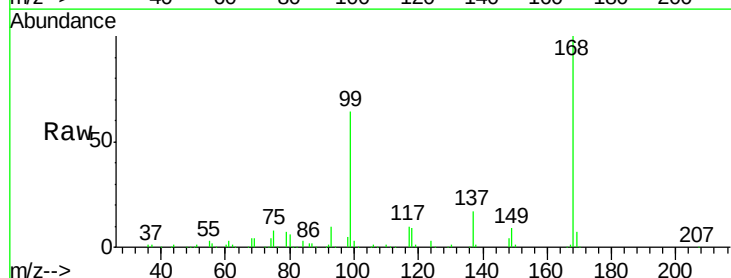
Tgt Ion: 56 Resp: 6478

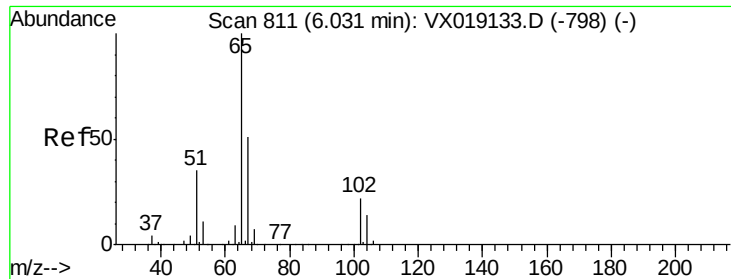
Ion Ratio Lower Upper

56 100

69 154.4 25.9 38.9#

84 132.1 73.4 110.2#

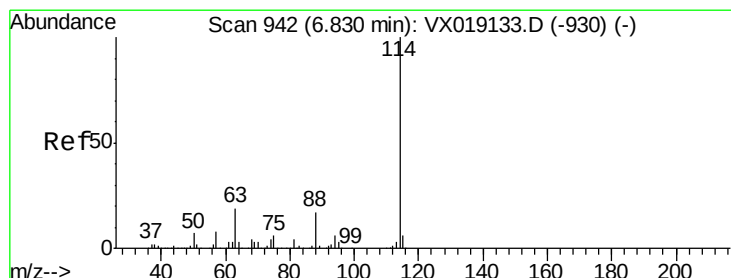
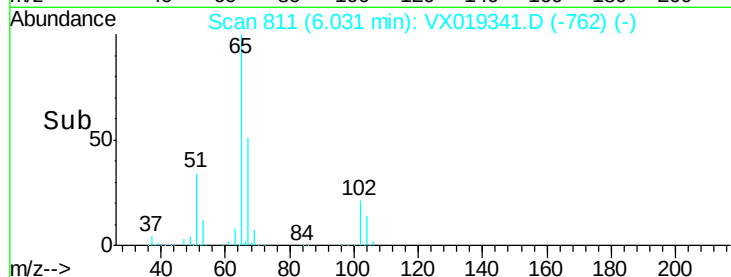
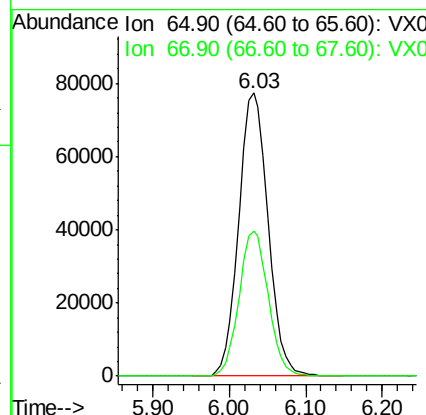
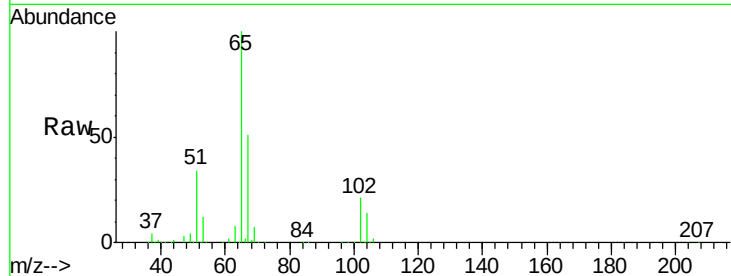




#33
 1,2-Dichloroethane-d4
 Concen: 54.318 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX019341.D
 Acq: 06 Nov 2020 14:59

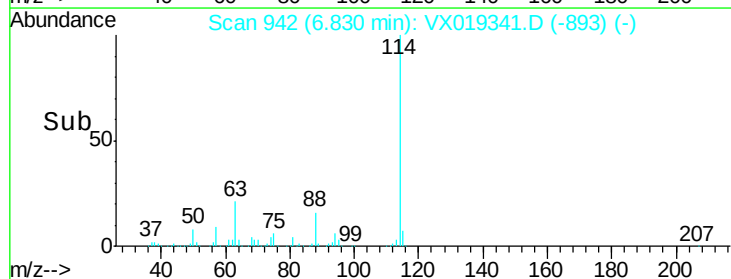
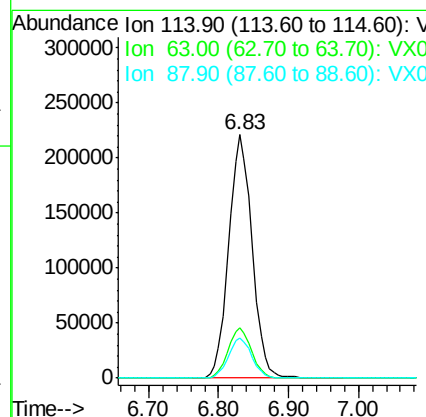
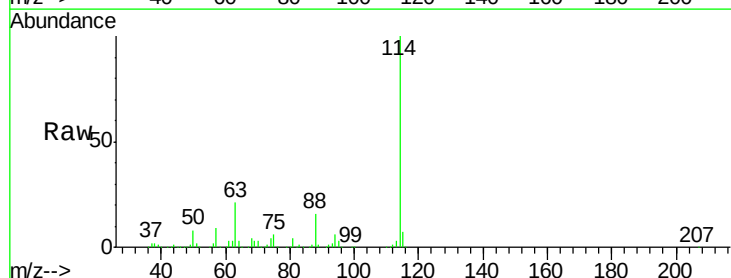
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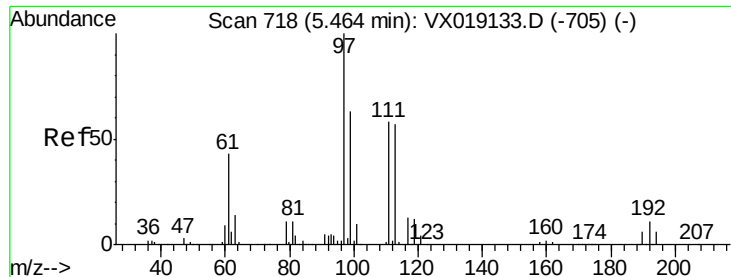
Tot Ion: 65 Resp: 206273
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX019341.D
 Acq: 06 Nov 2020 14:59

Tgt Ion: 114 Resp: 513031
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.8
 88 16.3 0.0 34.2

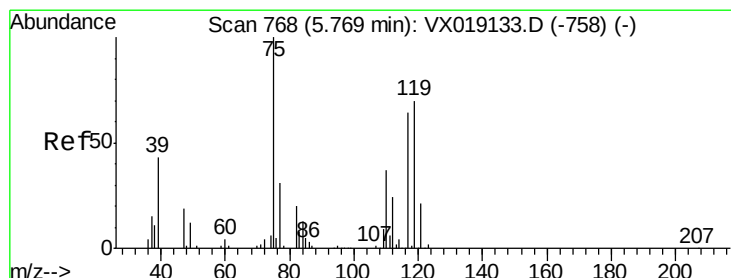
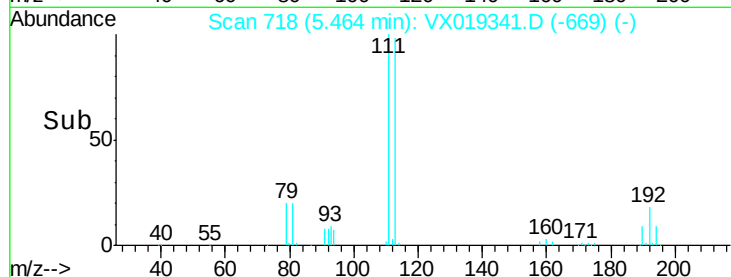
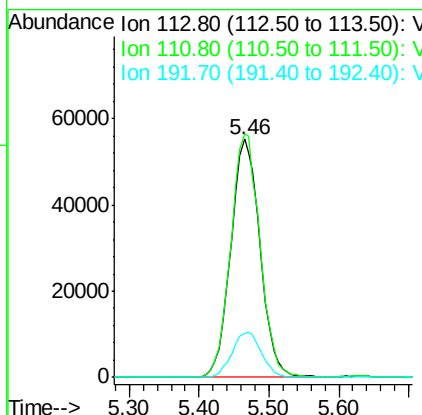
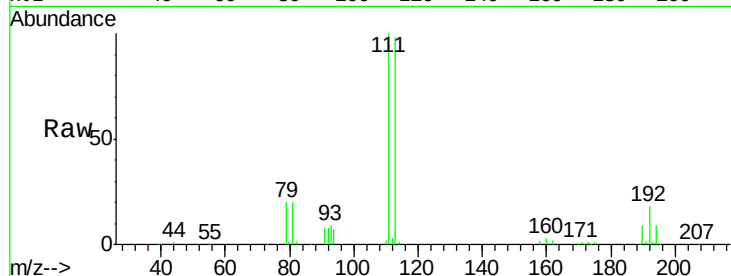




#35
Dibromofluoromethane
Concen: 49.650 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX019341.D
Acq: 06 Nov 2020 14:59

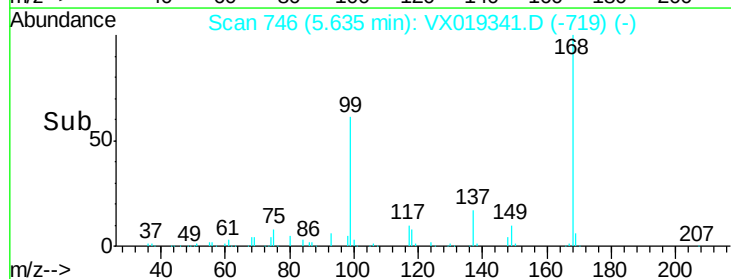
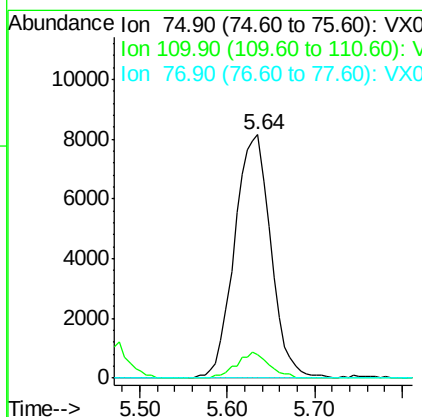
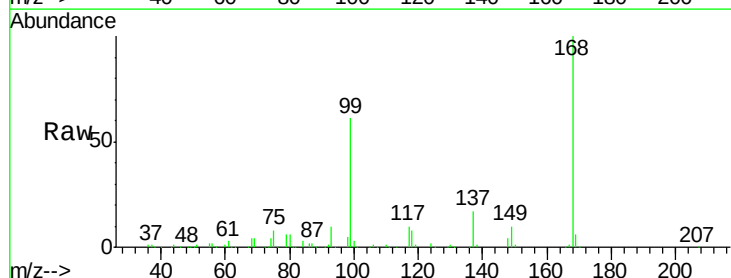
Instrument :
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ClientSampleId :
BP-VPB178-GW-298-300

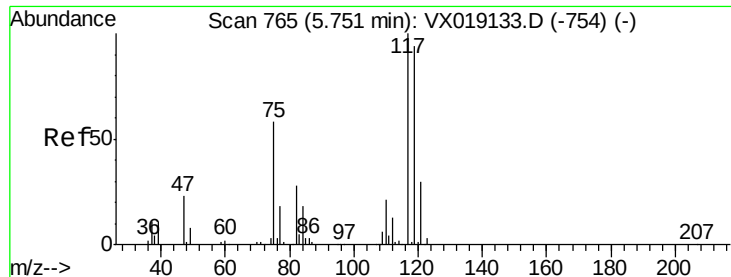
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.3	123.5
192	19.2	16.2	24.2



#36
1,1-Dichloropropene
Concen: 4.956 ug/l
RT: 5.64 min Scan# 746
Delta R.T. -0.13 min
Lab File: VX019341.D
Acq: 06 Nov 2020 14:59

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

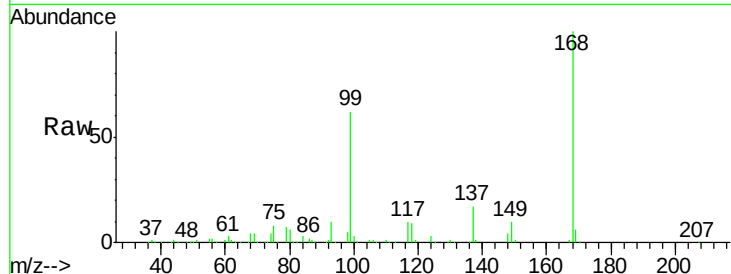




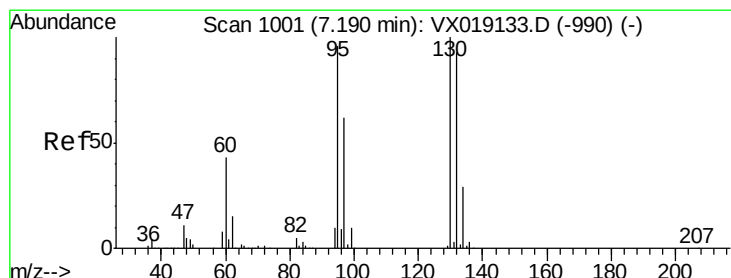
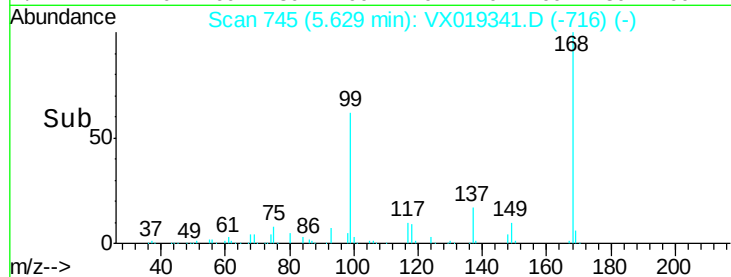
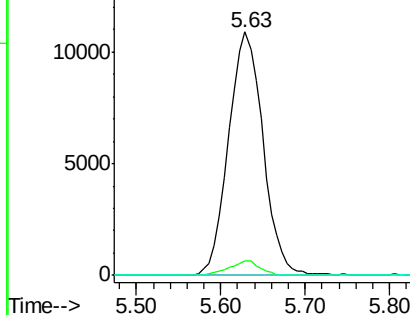
#38
Carbon Tetrachloride
Concen: 6.247 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019341.D
Acq: 06 Nov 2020 14:59

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-298-300

Tot Ion:117 Resp: 30165
Ion Ratio Lower Upper
117 100
119 6.2 75.0 112.6#
121 0.0 23.9 35.9#

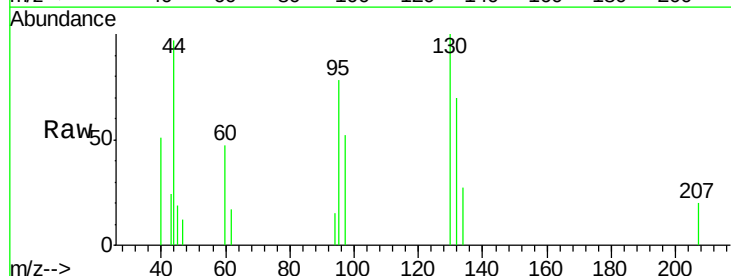


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

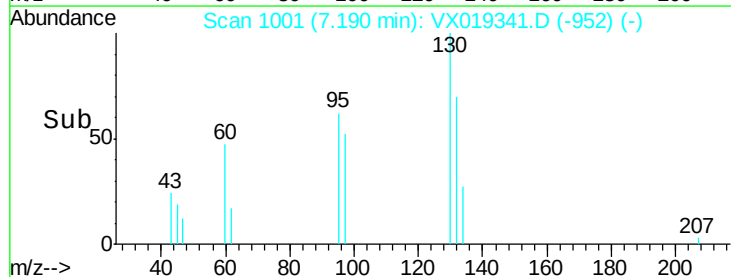
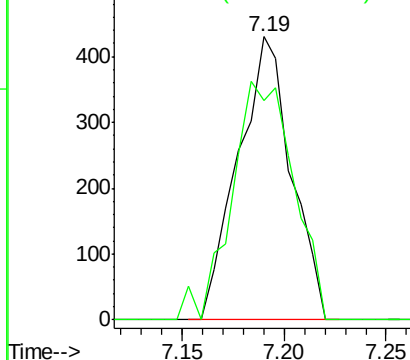


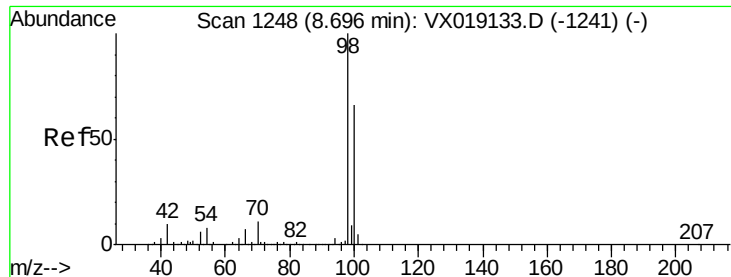
#44
Trichloroethene
Concen: 0.203 ug/l
RT: 7.19 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VX019341.D
Acq: 06 Nov 2020 14:59

Tgt Ion:130 Resp: 781
Ion Ratio Lower Upper
130 100
95 77.7 0.0 192.0



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

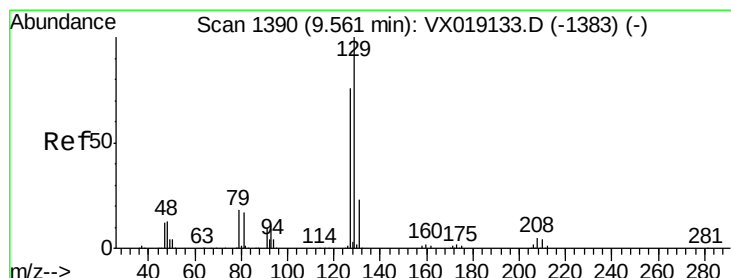
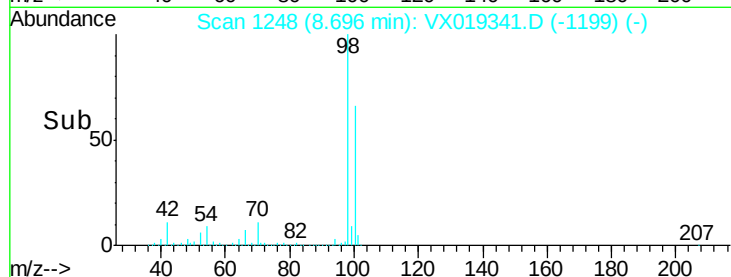
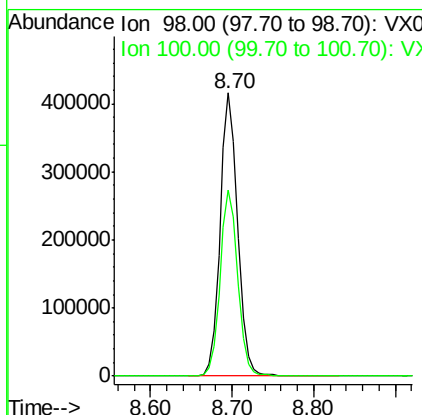
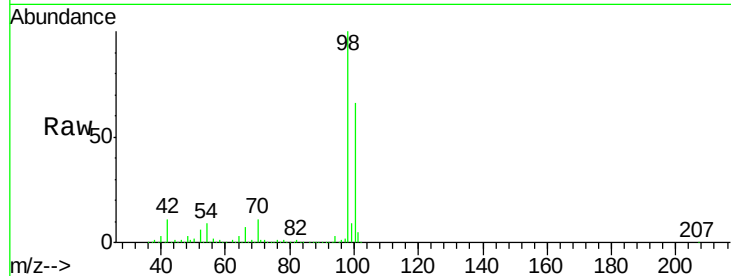




#50
Toluene-d8
Concen: 51.417 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019341.D
Acq: 06 Nov 2020 14:59

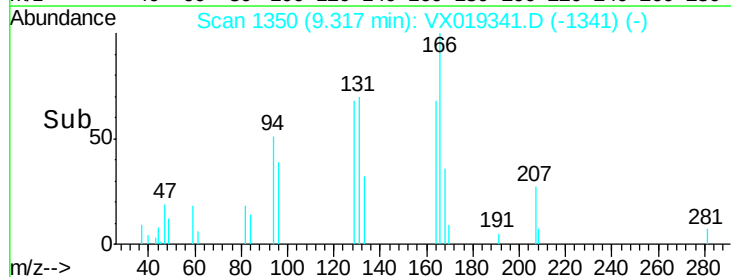
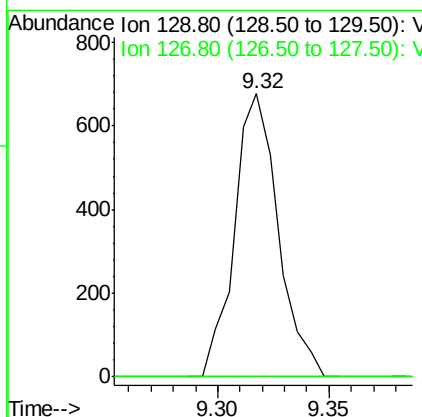
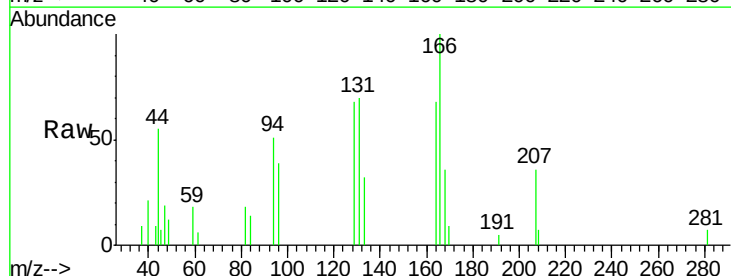
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-298-300

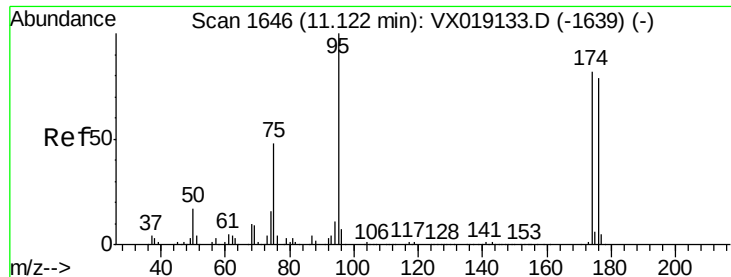
Tot Ion: 98 Resp: 624605
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.6



#60
Dibromochloromethane
Concen: 0.250 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.24 min
Lab File: VX019341.D
Acq: 06 Nov 2020 14:59

Tgt Ion: 129 Resp: 928
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#





#62

4-Bromofluorobenzene

Concen: 53.060 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019341.D

Acq: 06 Nov 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB178-GW-298-300

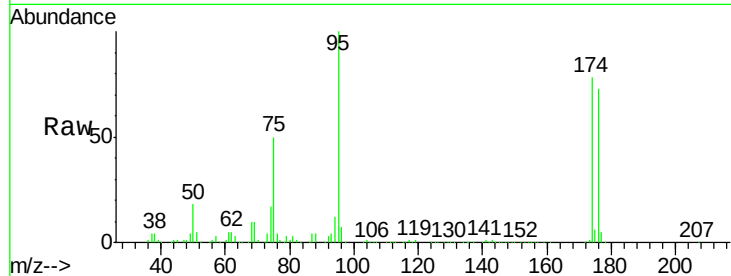
Tot Ion: 95 Resp: 244101

Ion Ratio Lower Upper

95 100

174 76.1 0.0 156.0

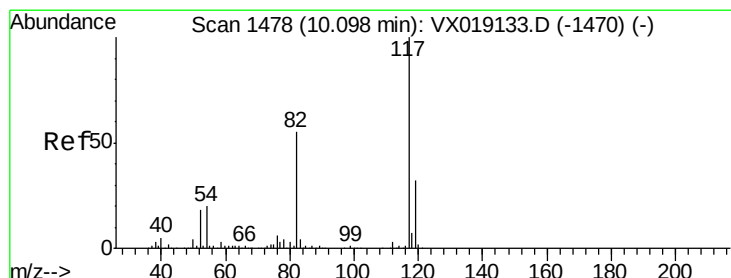
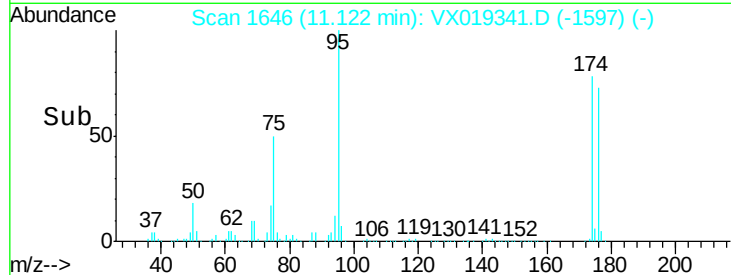
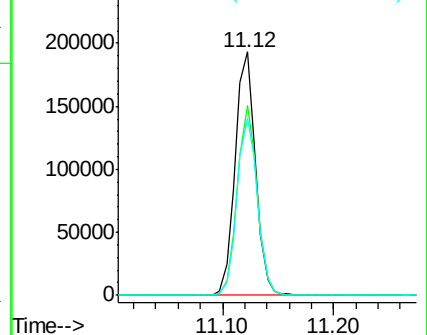
176 73.1 0.0 149.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX019341.D

Acq: 06 Nov 2020 14:59

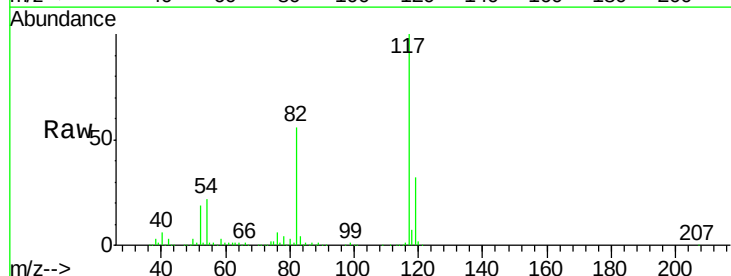
Tgt Ion: 117 Resp: 487526

Ion Ratio Lower Upper

117 100

82 56.2 43.6 65.4

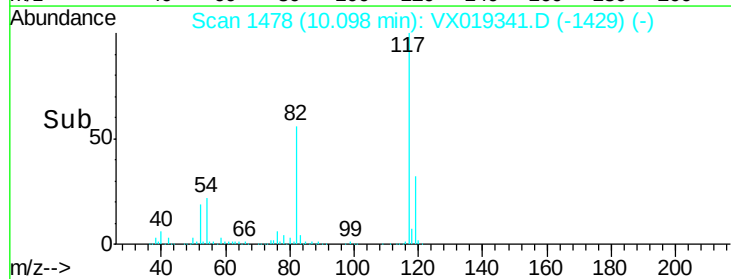
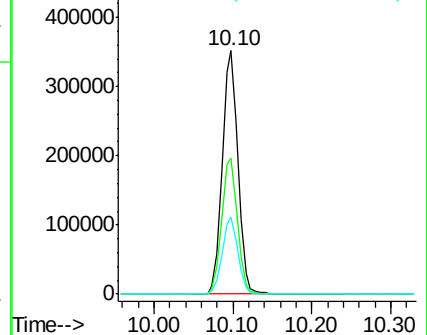
119 31.9 25.5 38.3

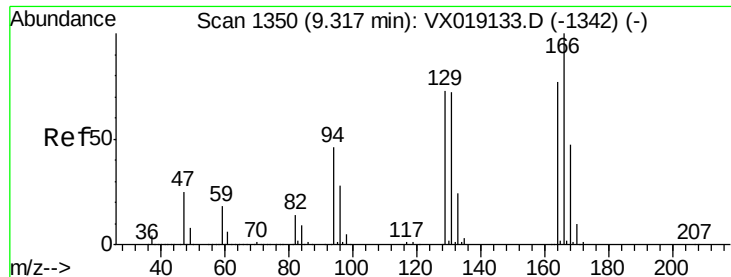


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

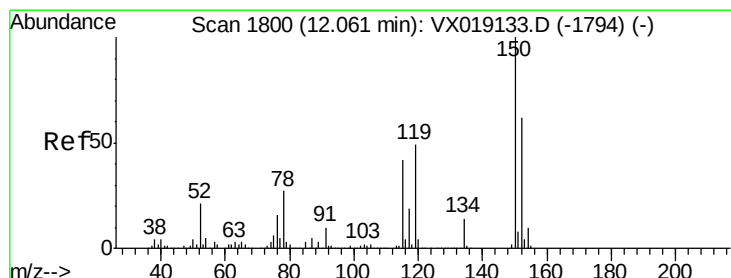
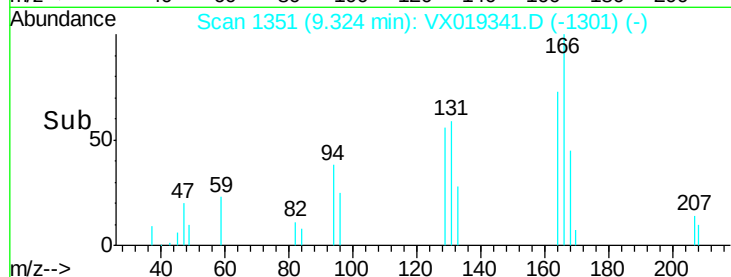
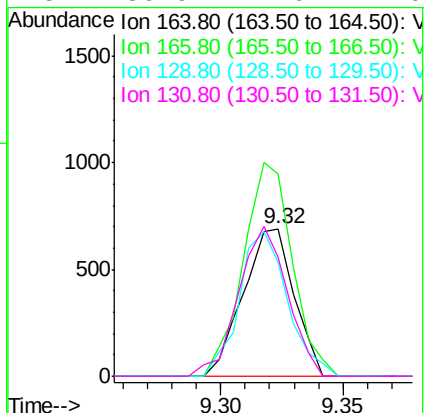
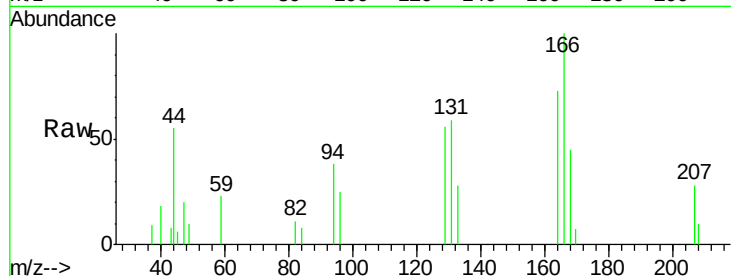




#64
Tetrachloroethene
Concen: 0.269 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX019341.D
Acq: 06 Nov 2020 14:59

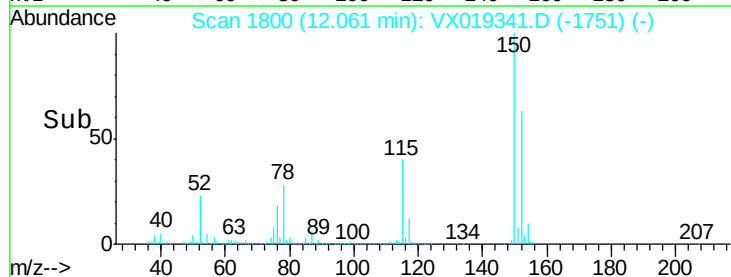
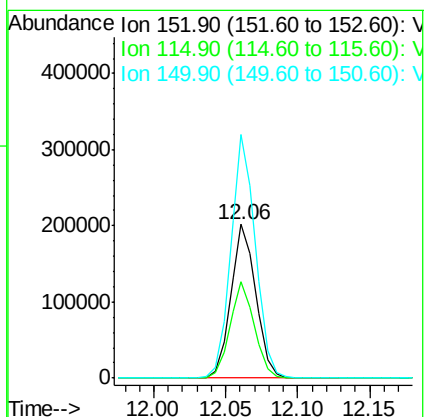
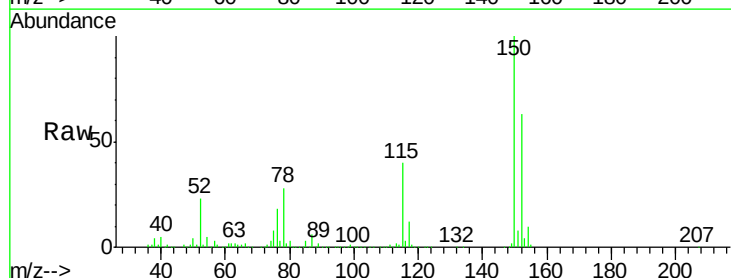
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB178-GW-298-300

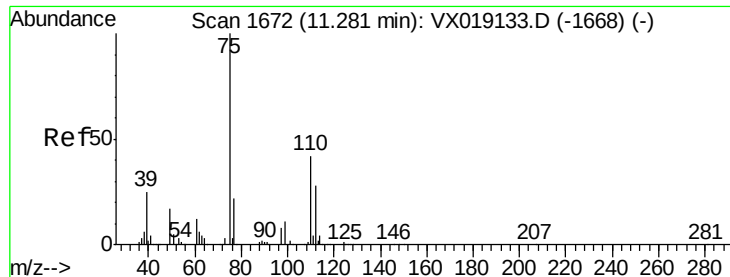
Tot Ion:164 Resp: 998
Ion Ratio Lower Upper
164 100
166 136.6 104.1 156.1
129 76.9 76.2 114.4
131 80.9 74.6 112.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019341.D
Acq: 06 Nov 2020 14:59

Tgt Ion:152 Resp: 245474
Ion Ratio Lower Upper
152 100
115 60.9 41.9 125.7
150 156.2 0.0 347.8





#76

1,2,3-Trichloropropane

Concen: 24.906 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019341.D

Acq: 06 Nov 2020 14:59

Instrument :

MSVOA_X

ClientSampleId :

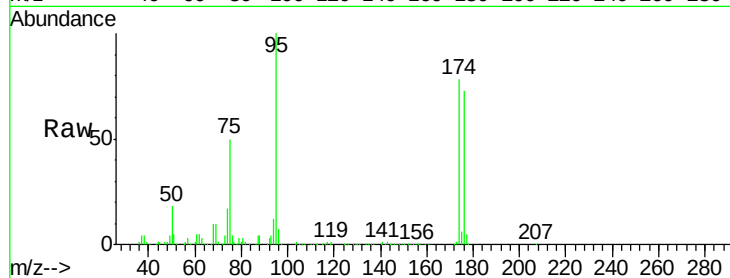
BP-VPB178-GW-298-300

Tot Ion: 75 Resp: 126234

Ion Ratio Lower Upper

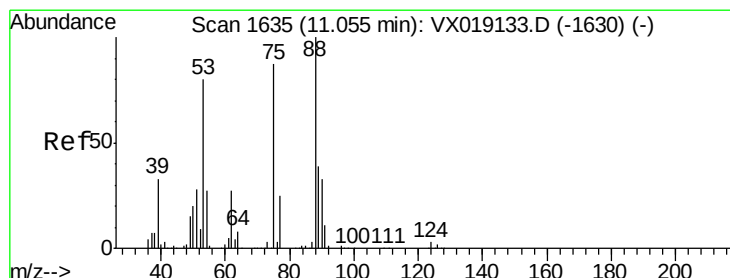
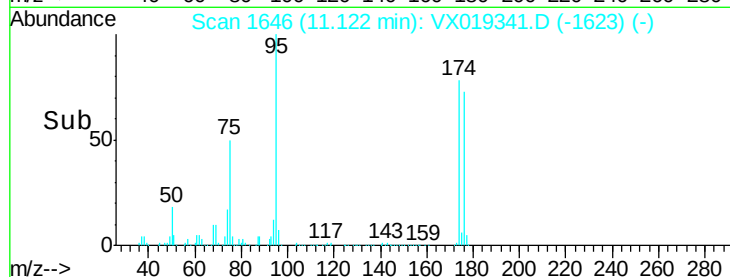
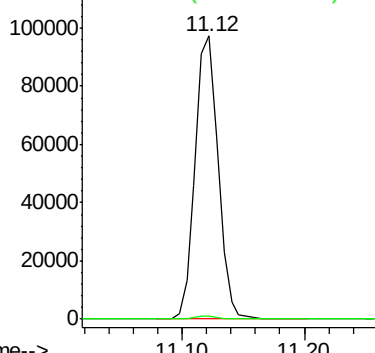
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 65.576 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019341.D

Acq: 06 Nov 2020 14:59

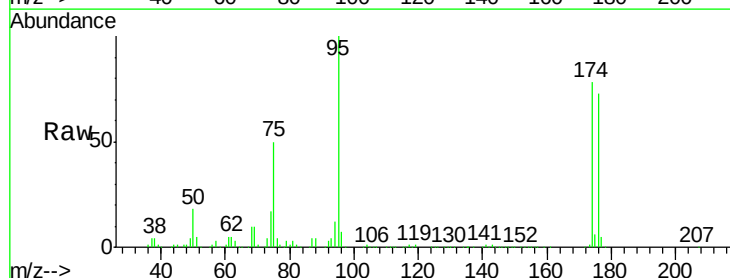
Tgt Ion: 75 Resp: 126234

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

