

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051421\
 Data File : VD069178.D
 Acq On : 14 May 2021 15:54
 Operator : VA/SY
 Sample : M2392-19
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-07-4.5-5.0

Quant Time: May 15 02:35:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051221S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 13 04:01:29 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

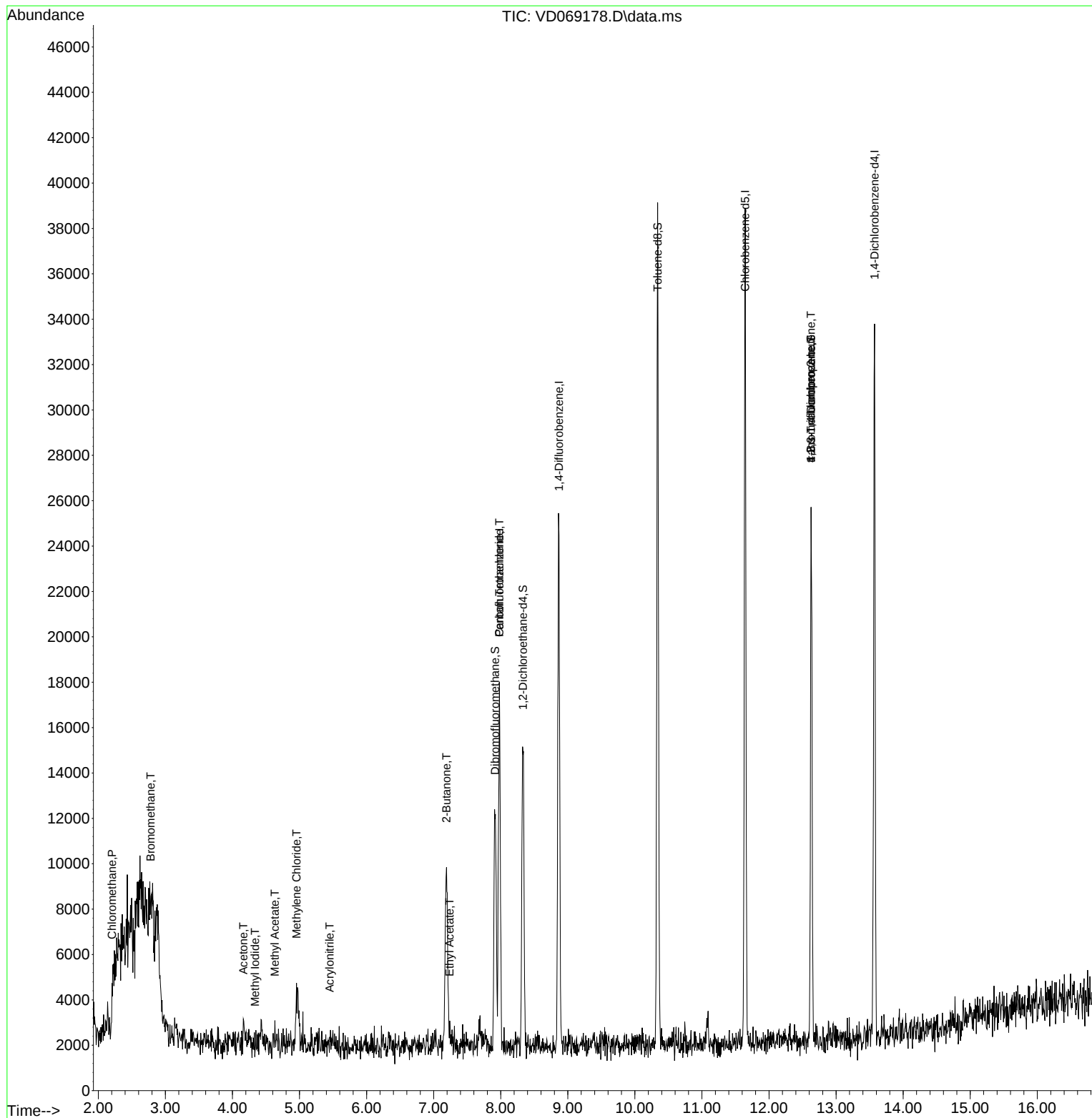
Internal Standards						
1) Pentafluorobenzene	7.979	168	11652	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	20507	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	20611	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	9091	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	11306	96.79	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 193.58%#			
35) Dibromofluoromethane	7.914	113	7623	57.12	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.24%			
50) Toluene-d8	10.338	98	25161	51.31	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.62%			
62) 4-Bromofluorobenzene	12.626	95	8152	51.67	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.34%			
Target Compounds					Qvalue	
3) Chloromethane	2.203	50	255	1.79	ug/l #	42
5) Bromomethane	2.779	94	1079	7.64	ug/l	92
10) Methyl Iodide	4.338	142	93	1.60	ug/l #	38
11) Tert butyl alcohol	5.238	59	71	Below Cal	#	73
15) Acrylonitrile	5.450	53	54	2.77	ug/l #	18
16) Acetone	4.162	43	1169	65.34	ug/l #	41
18) Methyl Acetate	4.632	43	80	1.84	ug/l #	45
20) Methylene Chloride	4.956	84	2202	7.39	ug/l #	59
25) 2-Butanone	7.191	43	313	12.91	ug/l #	38
37) Ethyl Acetate	7.238	43	130	2.03	ug/l #	66
38) Carbon Tetrachloride	7.979	117	1145	5.14	ug/l #	12
76) 1,2,3-Trichloropropane	12.626	75	3870	56.63	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	3870	114.39	ug/l #	14

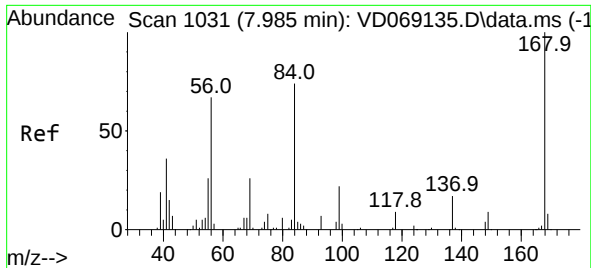
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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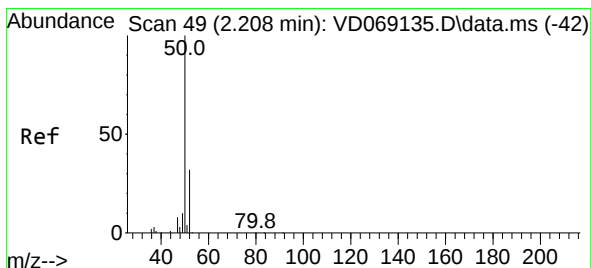
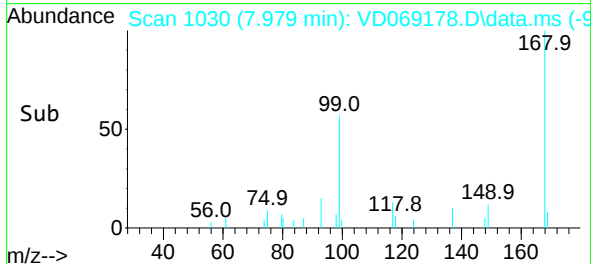
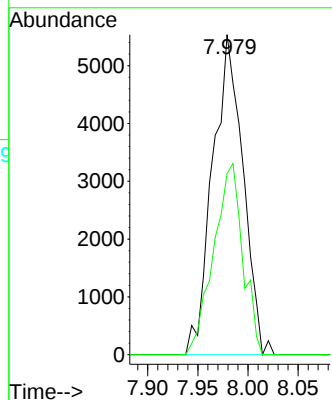
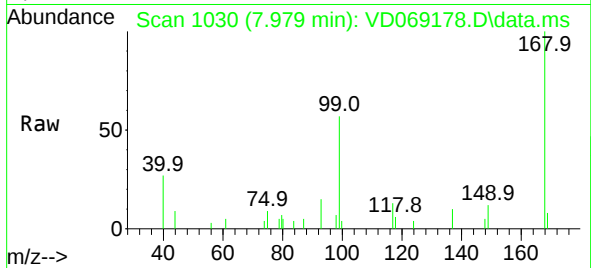




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

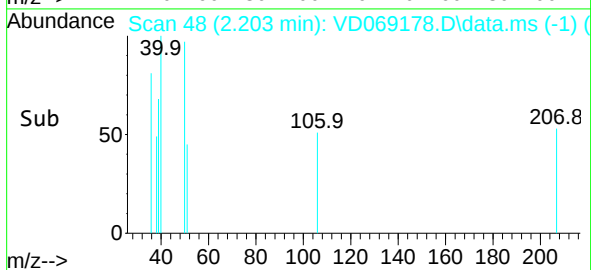
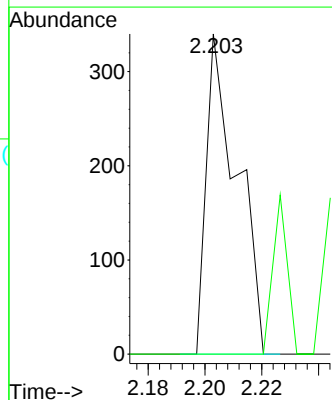
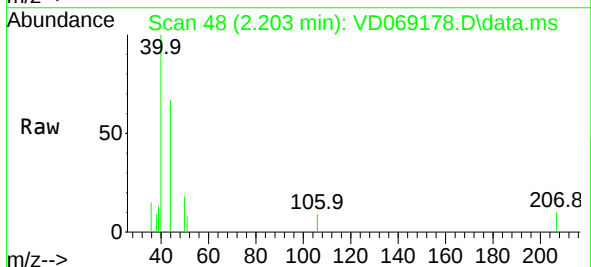
Instrument :
MSVOA_D
ClientSampleId :
SB-07-4.5-5.0

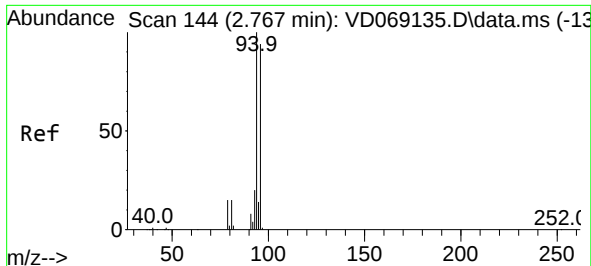
Tgt Ion:168 Resp: 11652
Ion Ratio Lower Upper
168 100
99 56.6 47.2 70.8



#3
Chloromethane
Concen: 1.79 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.005 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

Tgt Ion: 50 Resp: 255
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

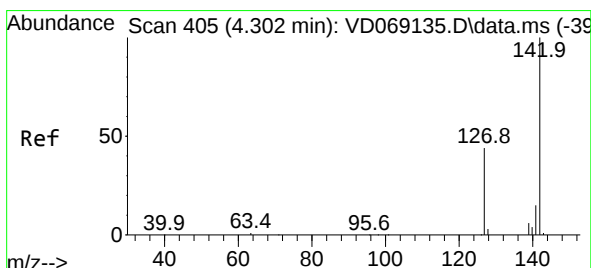
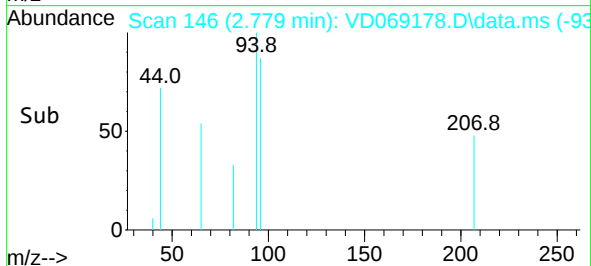
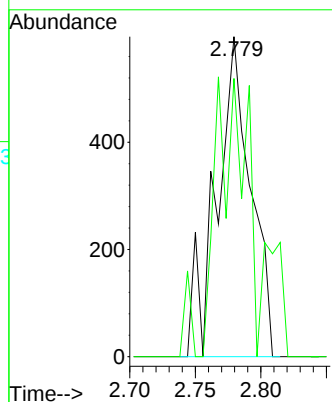
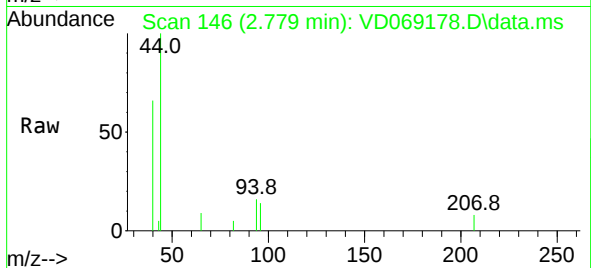




#5
Bromomethane
Concen: 7.64 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.012 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

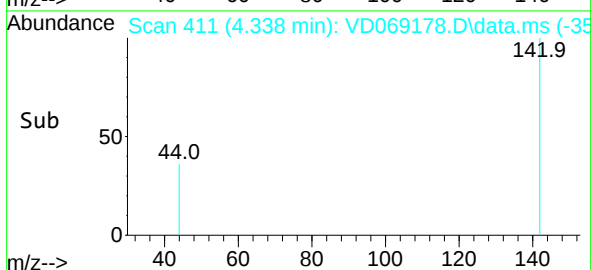
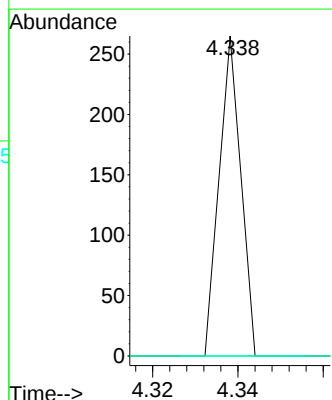
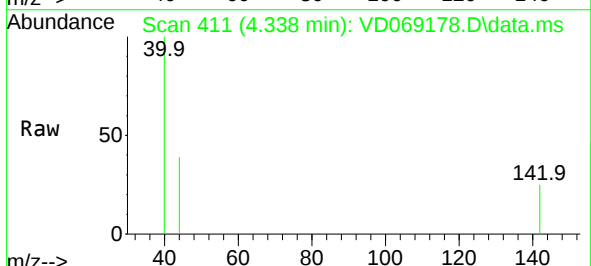
Instrument :
MSVOA_D
ClientSampleId :
SB-07-4.5-5.0

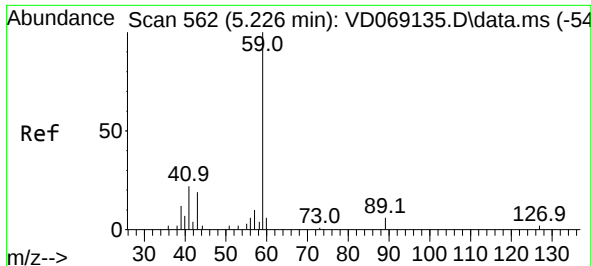
Tgt Ion: 94 Resp: 1079
Ion Ratio Lower Upper
94 100
96 86.9 75.4 113.0



#10
Methyl Iodide
Concen: 1.60 ug/l
RT: 4.338 min Scan# 411
Delta R.T. 0.036 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

Tgt Ion: 142 Resp: 93
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 12.2 18.4#

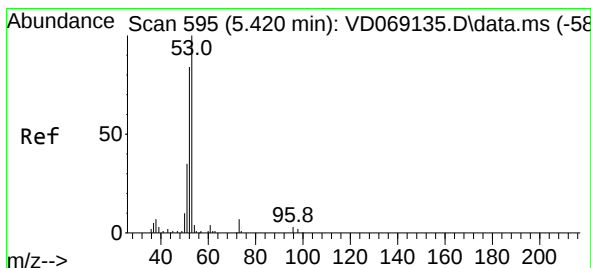
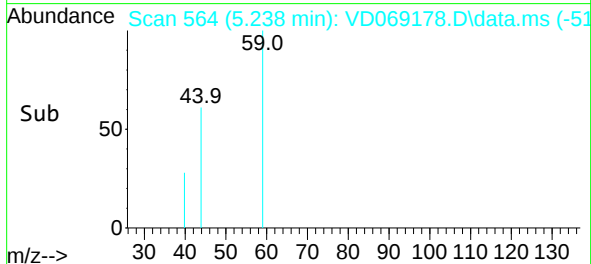
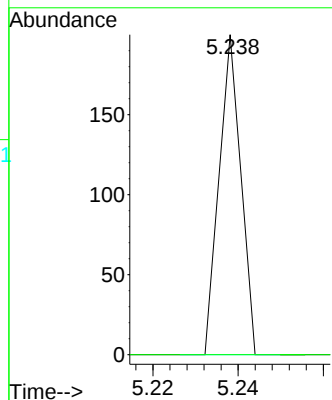
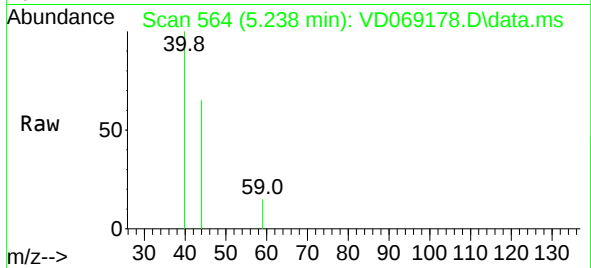




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.012 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

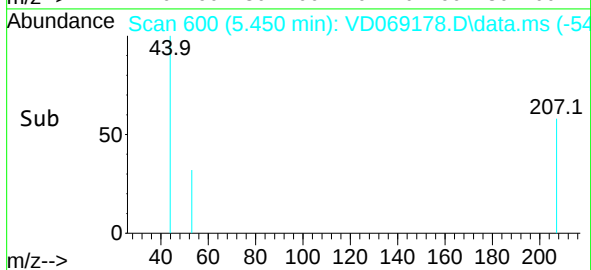
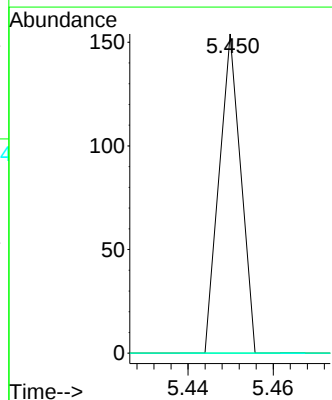
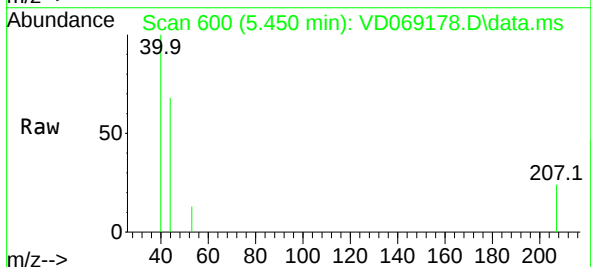
Instrument :
MSVOA_D
ClientSampleId :
SB-07-4.5-5.0

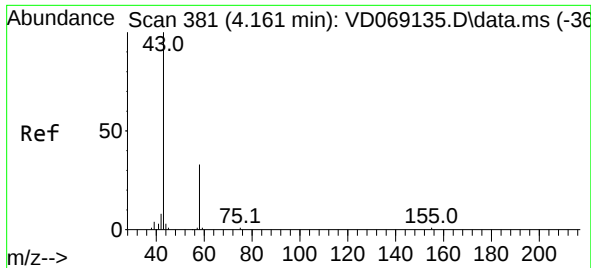
Tgt Ion: 59 Resp: 71
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#15
Acrylonitrile
Concen: 2.77 ug/l
RT: 5.450 min Scan# 600
Delta R.T. 0.030 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

Tgt Ion: 53 Resp: 54
Ion Ratio Lower Upper
53 100
52 0.0 64.5 96.7#
51 0.0 30.4 45.6#

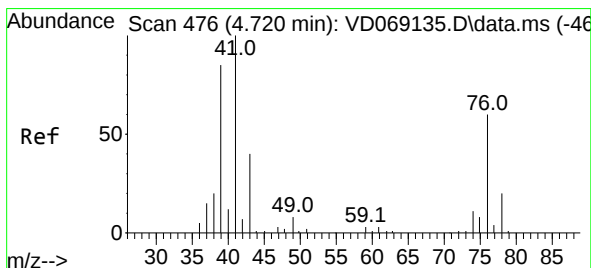
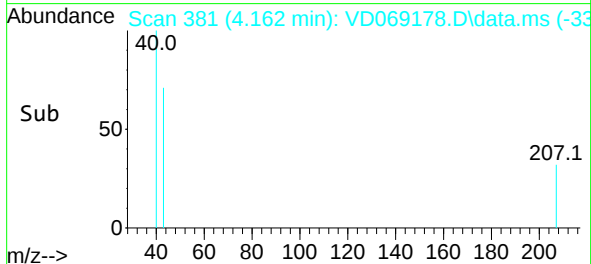
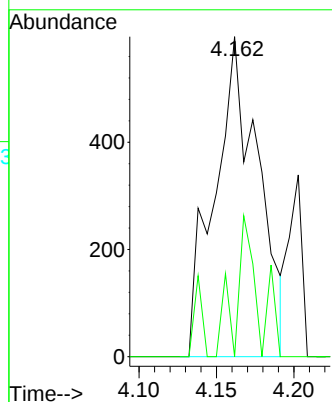
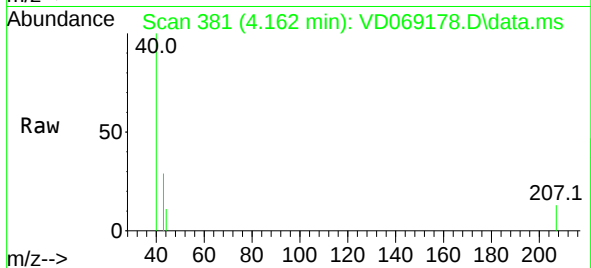




#16
Acetone
Concen: 65.34 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

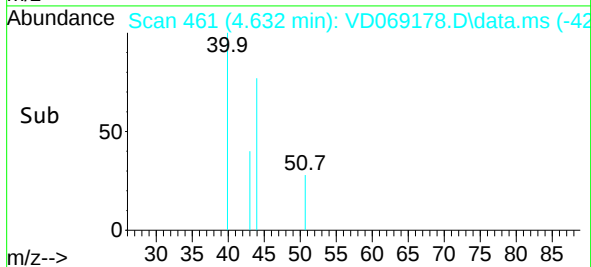
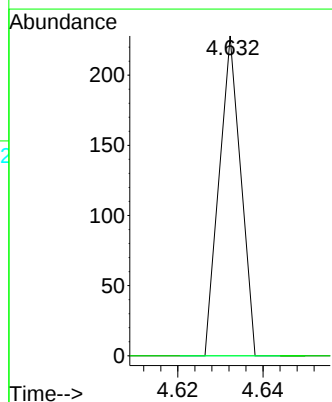
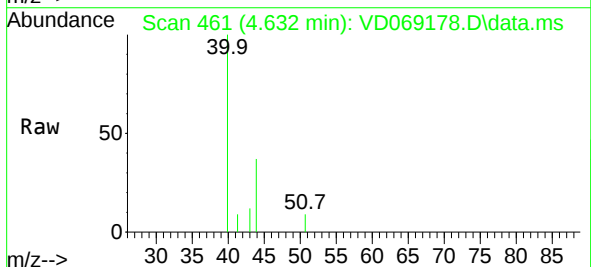
Instrument :
MSVOA_D
ClientSampleId :
SB-07-4.5-5.0

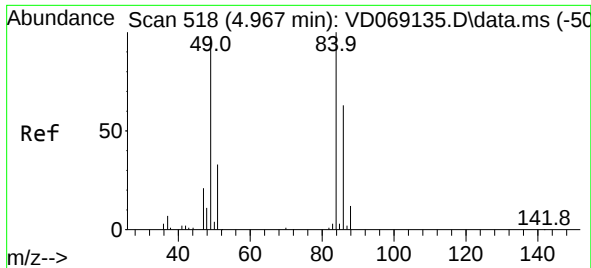
Tgt Ion: 43 Resp: 1169
Ion Ratio Lower Upper
43 100
58 0.0 26.7 40.1#



#18
Methyl Acetate
Concen: 1.84 ug/l
RT: 4.632 min Scan# 461
Delta R.T. -0.088 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

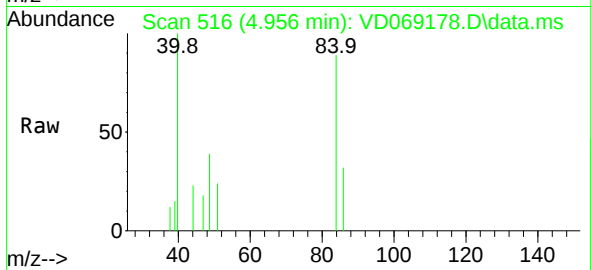
Tgt Ion: 43 Resp: 80
Ion Ratio Lower Upper
43 100
74 0.0 23.8 35.6#



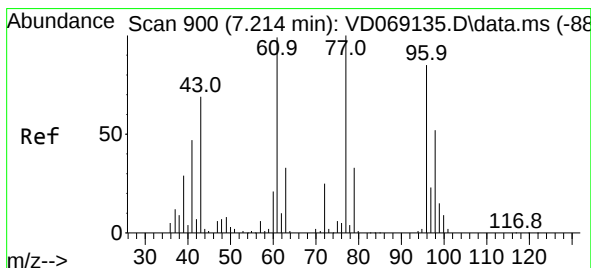
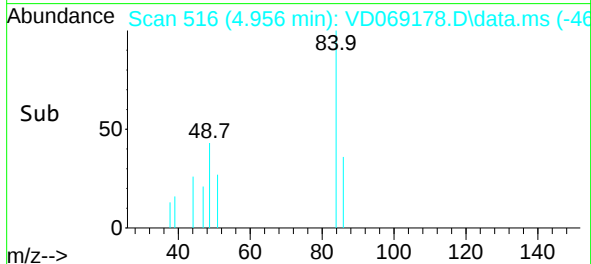
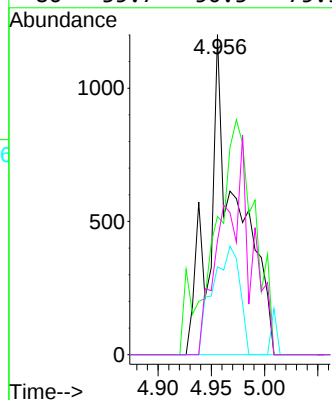


#20
Methylene Chloride
Concen: 7.39 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.011 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

Instrument :
MSVOA_D
ClientSampleId :
SB-07-4.5-5.0

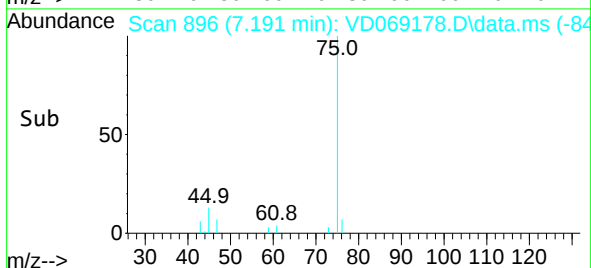
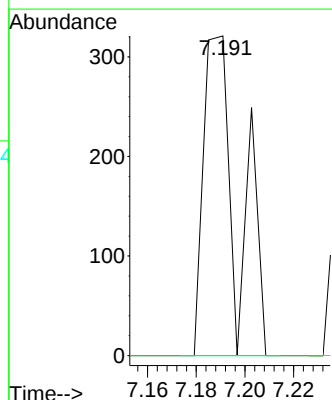
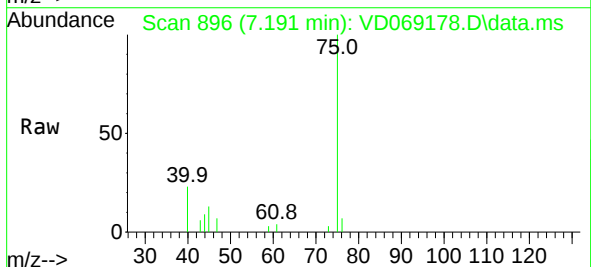


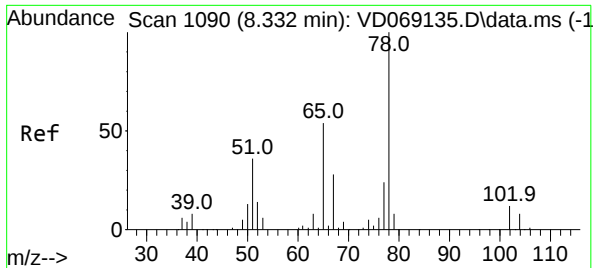
Tgt Ion: 84	Resp: 2202
Ion Ratio	Lower Upper
84 100	
49 43.2	78.6 117.8#
51 27.5	26.7 40.1
86 35.7	50.3 75.5#



#25
2-Butanone
Concen: 12.91 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.023 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

Tgt Ion: 43	Resp: 313
Ion Ratio	Lower Upper
43 100	
72 0.0	29.1 43.7#

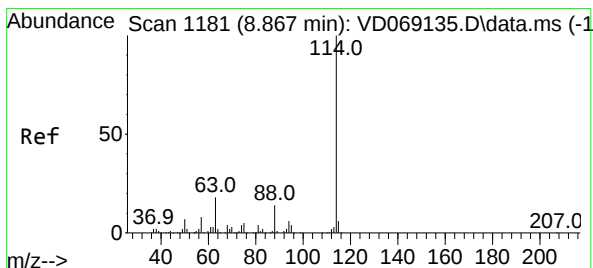
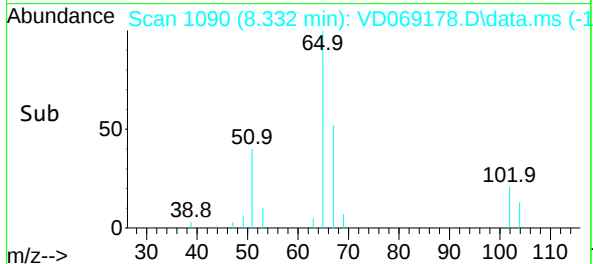
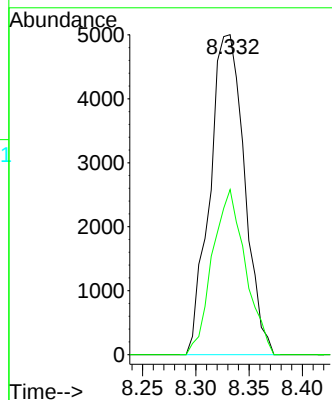
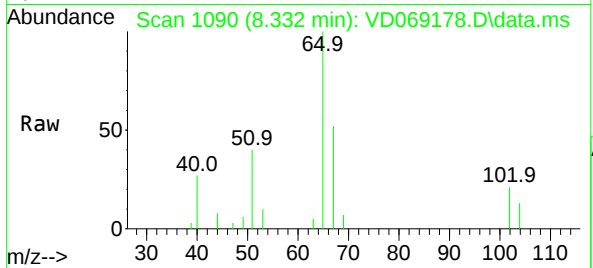




#33
1,2-Dichloroethane-d4
Concen: 96.79 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

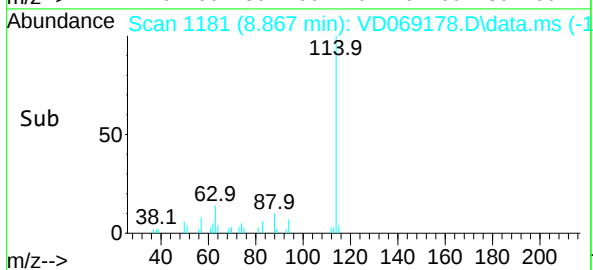
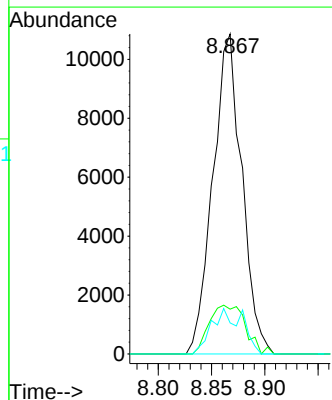
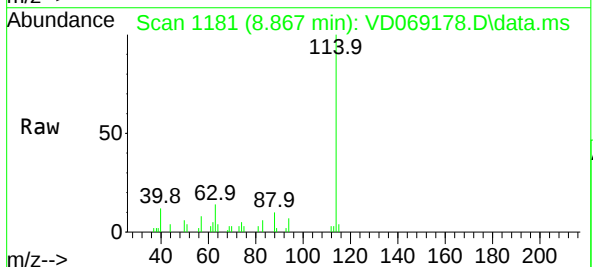
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MSVOA_D
ClientSampleId :
SB-07-4.5-5.0

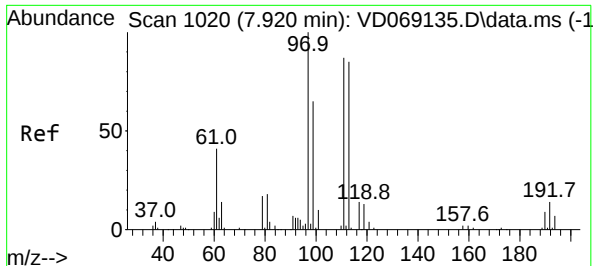
Tgt Ion: 65 Resp: 11306
Ion Ratio Lower Upper
65 100
67 49.4 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

Tgt Ion: 114 Resp: 20507
Ion Ratio Lower Upper
114 100
63 14.0 0.0 36.4
88 9.7 0.0 28.2





#35

Dibromofluoromethane

Concen: 57.12 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.005 min

Lab File: VD069178.D

Acq: 14 May 2021 15:54

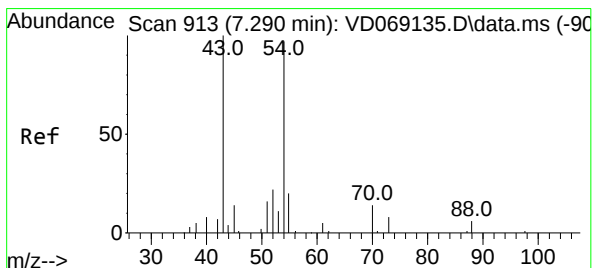
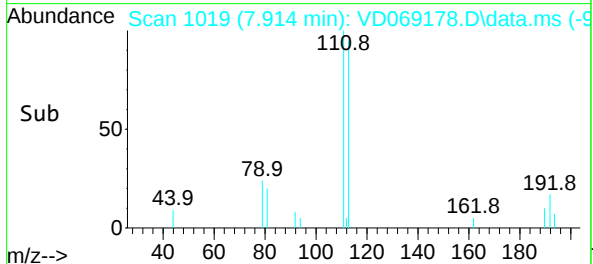
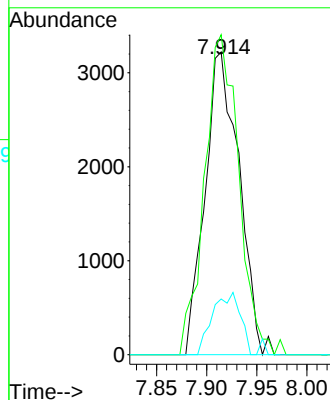
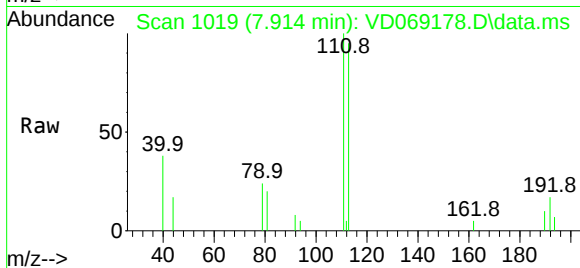
Tgt Ion:113 Resp: 7623

Ion Ratio Lower Upper

113 100

111 106.2 80.6 120.8

192 16.8 14.8 22.2



#37

Ethyl Acetate

Concen: 2.03 ug/l

RT: 7.238 min Scan# 904

Delta R.T. -0.053 min

Lab File: VD069178.D

Acq: 14 May 2021 15:54

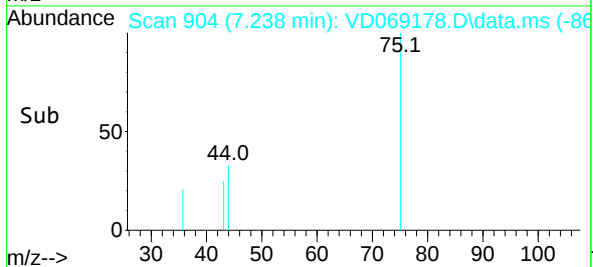
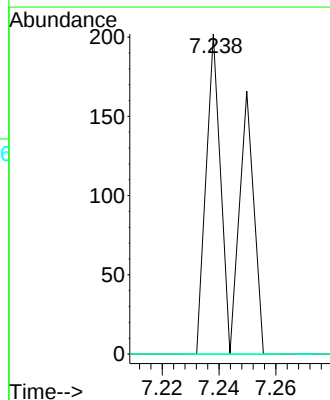
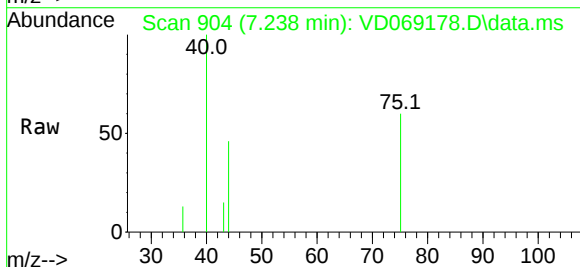
Tgt Ion: 43 Resp: 130

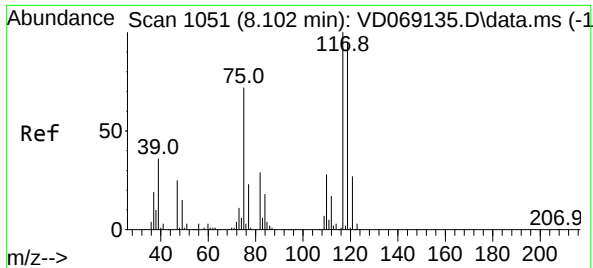
Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 10.4 15.6#

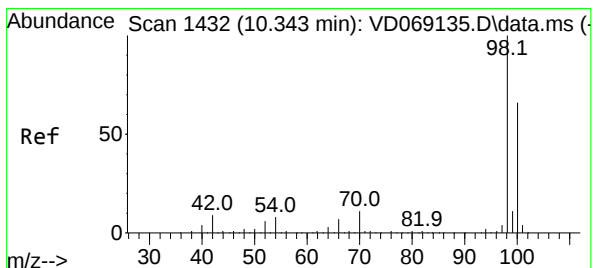
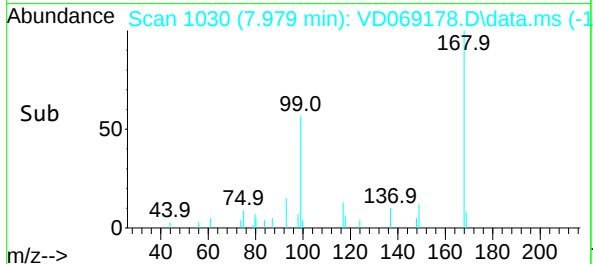
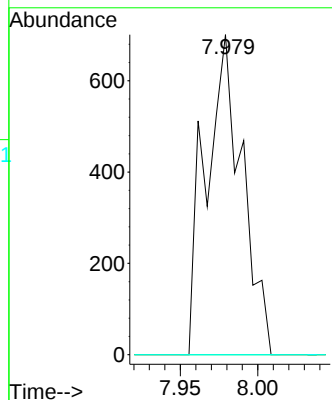
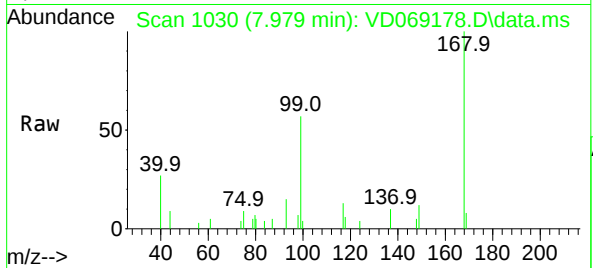




#38
Carbon Tetrachloride
Concen: 5.14 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

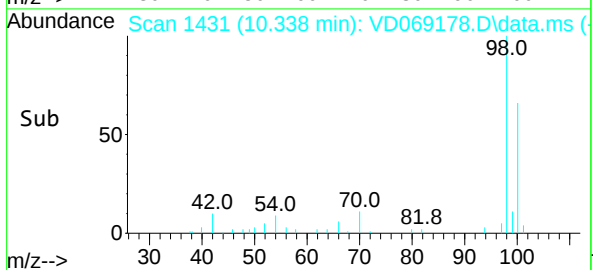
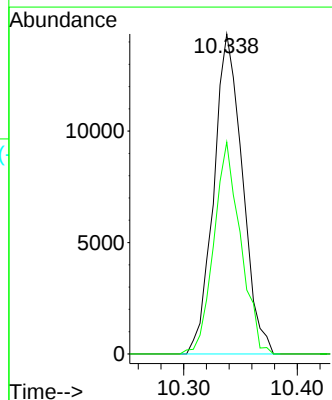
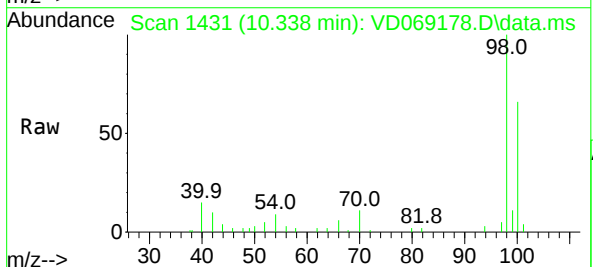
Instrument :
MSVOA_D
ClientSampleId :
SB-07-4.5-5.0

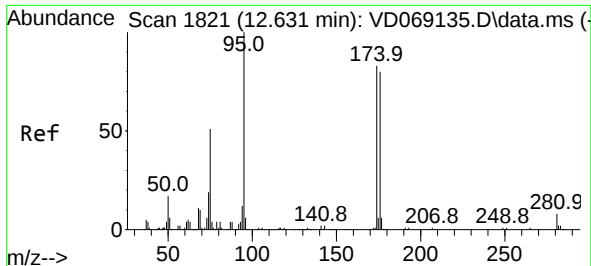
Tgt Ion:117 Resp: 1145
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 21.9 32.9#



#50
Toluene-d8
Concen: 51.31 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

Tgt Ion: 98 Resp: 25161
Ion Ratio Lower Upper
98 100
100 61.8 51.8 77.8

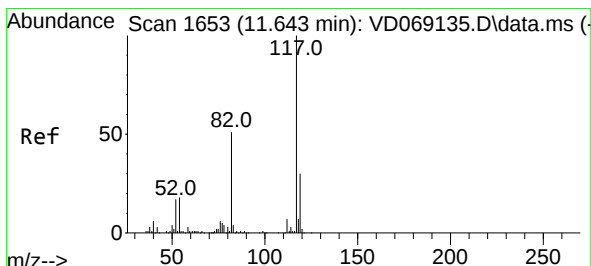
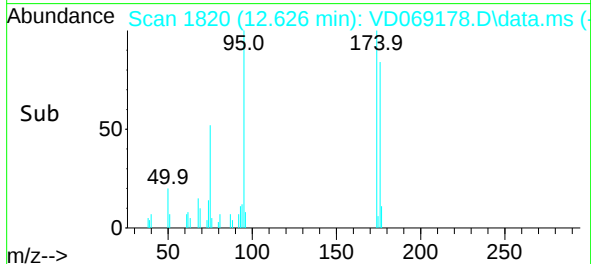
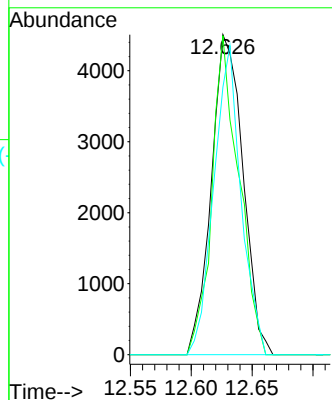
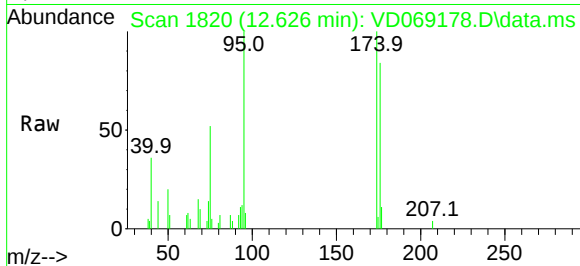




#62
4-Bromofluorobenzene
Concen: 51.67 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.005 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

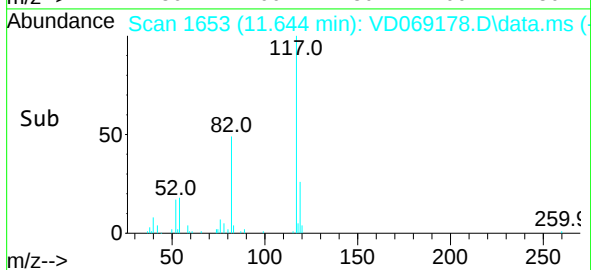
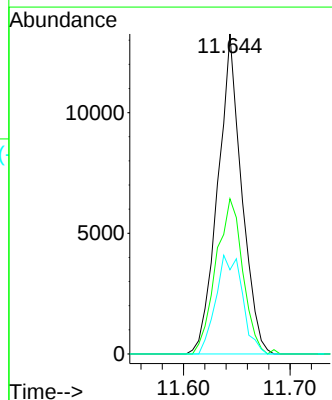
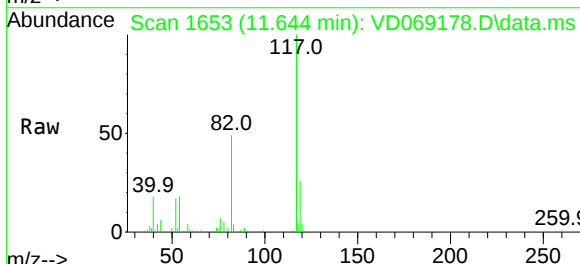
Instrument :
MSVOA_D
ClientSampleId :
SB-07-4.5-5.0

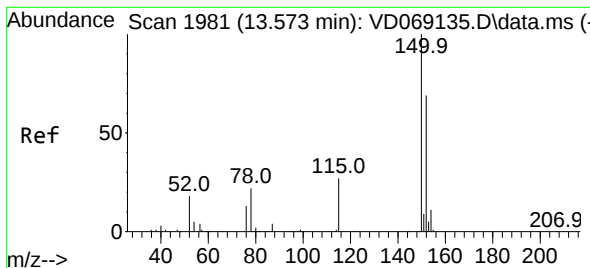
Tgt Ion:	95	Resp:	8152
Ion Ratio	Lower	Upper	
95	100		
174	85.2	0.0	171.8
176	83.0	0.0	165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069178.D
Acq: 14 May 2021 15:54

Tgt Ion:	117	Resp:	20611
Ion Ratio	Lower	Upper	
117	100		
82	48.5	40.5	60.7
119	26.3	24.2	36.4

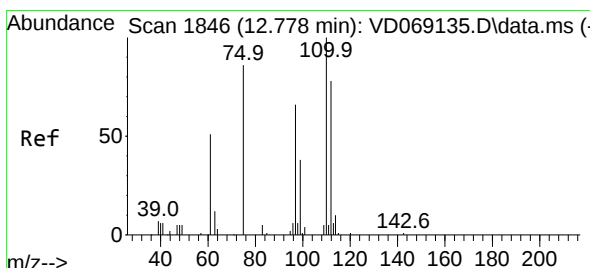
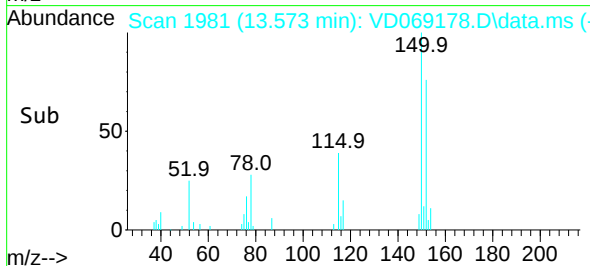
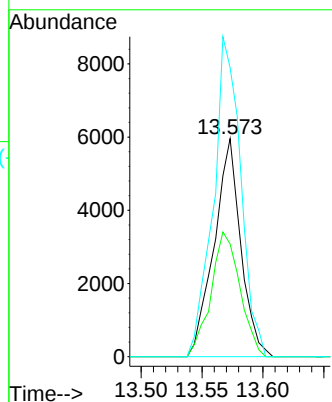
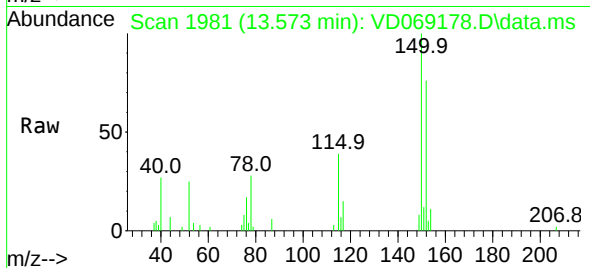




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.000 min
 Lab File: VD069178.D
 Acq: 14 May 2021 15:54

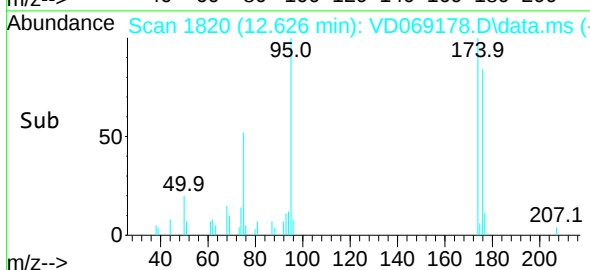
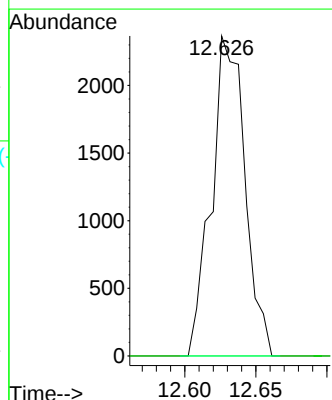
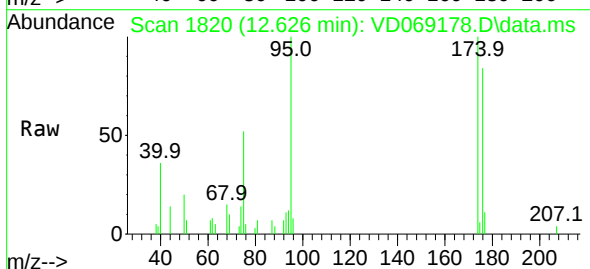
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-07-4.5-5.0

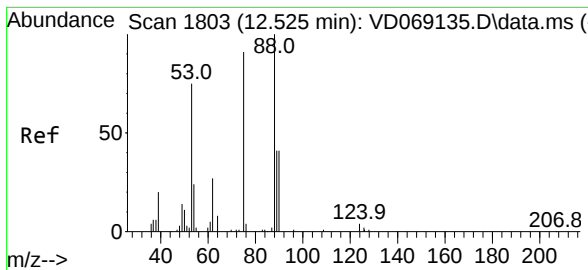
Tgt Ion:152 Resp: 9091
 Ion Ratio Lower Upper
 152 100
 115 61.9 29.9 89.8
 150 150.5 0.0 350.2



#76
 1,2,3-Trichloropropane
 Concen: 56.63 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.152 min
 Lab File: VD069178.D
 Acq: 14 May 2021 15:54

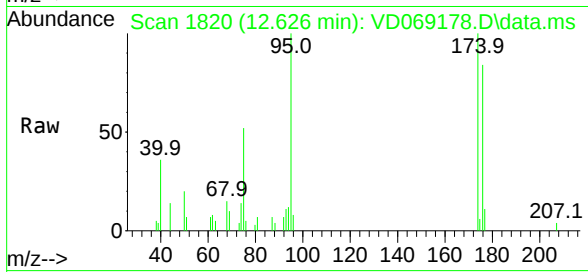
Tgt Ion: 75 Resp: 3870
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.39 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.100 min
 Lab File: VD069178.D
 Acq: 14 May 2021 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-07-4.5-5.0



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	70.0	105.0#
89	0.0	40.2	60.2#

