

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051421\
 Data File : VD069181.D
 Acq On : 14 May 2021 17:19
 Operator : VA/SY
 Sample : M2411-12
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW8-GW-818-820

Quant Time: May 15 02:36:10 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)

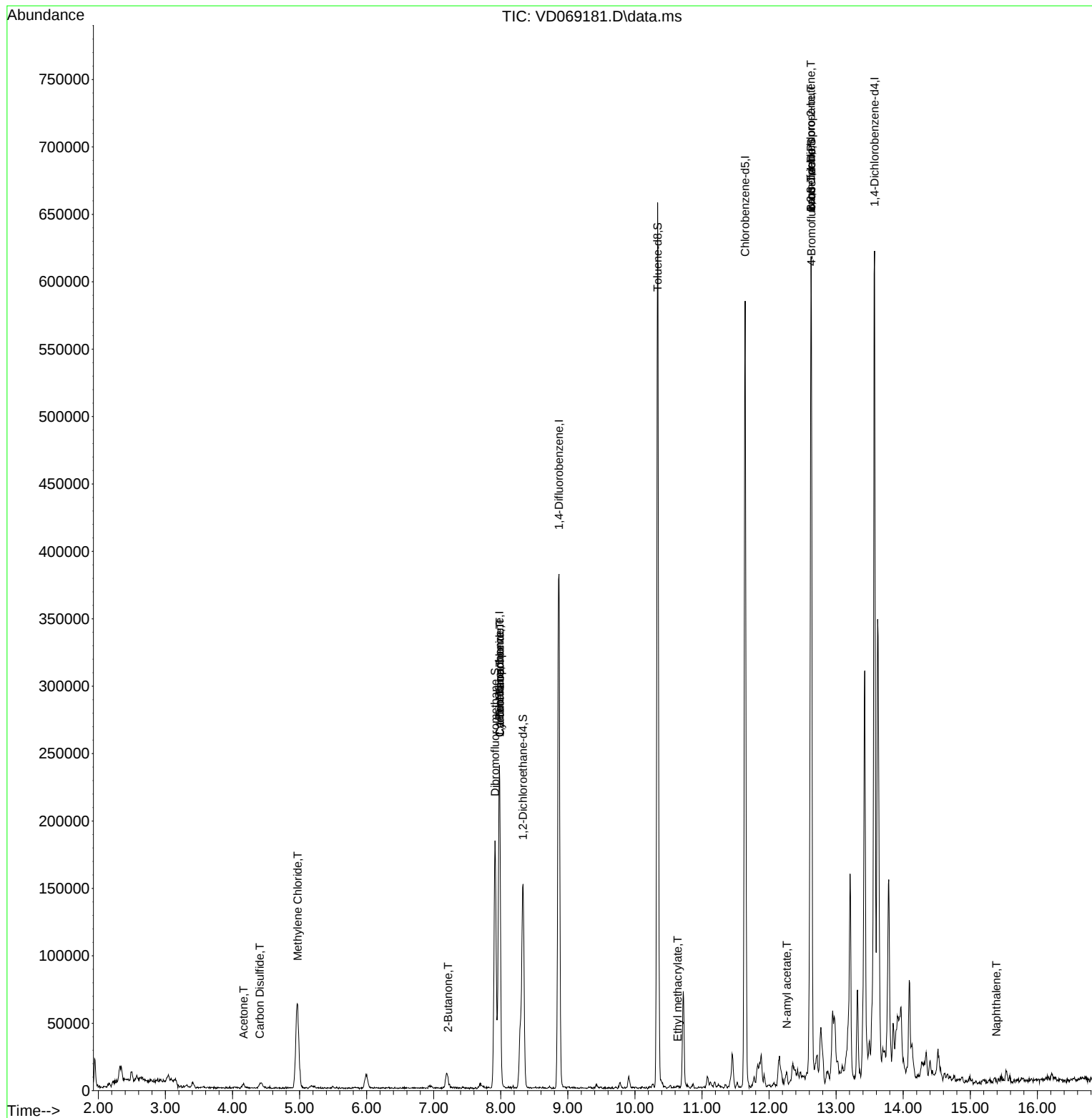
Internal Standards						
1) Pentafluorobenzene	7.979	168	173084	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	344458	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	339582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	157255	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	122184	70.42	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 140.84%			
35) Dibromofluoromethane	7.914	113	128736	57.43	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 114.86%			
50) Toluene-d8	10.338	98	437269	53.09	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.18%			
62) 4-Bromofluorobenzene	12.632	95	148789	56.14	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 112.28%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.208	59	859	Below Cal	#	73
16) Acetone	4.167	43	5200	19.57	ug/l	97
17) Carbon Disulfide	4.409	76	5894	1.03	ug/l #	92
20) Methylene Chloride	4.973	84	53010	18.86	ug/l	95
25) 2-Butanone	7.214	43	2032	5.64	ug/l #	81
31) Cyclohexane	7.985	56	4605	1.79	ug/l #	15
36) 1,1-Dichloropropene	7.985	75	14195	4.24	ug/l #	45
38) Carbon Tetrachloride	7.985	117	18529	4.95	ug/l #	16
56) Ethyl methacrylate	10.638	69	59	1.35	ug/l #	1
71) Bromoform	12.626	173	1588	1.15	ug/l #	28
74) N-amyl acetate	12.267	43	2934	1.63	ug/l #	52
76) 1,2,3-Trichloropropane	12.626	75	78292	66.23	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	78292	133.78	ug/l #	14
95) Naphthalene	15.390	128	777	2.19	ug/l #	69

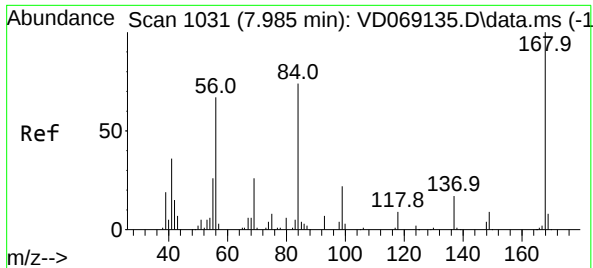
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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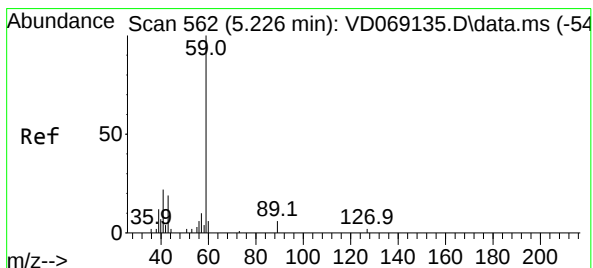
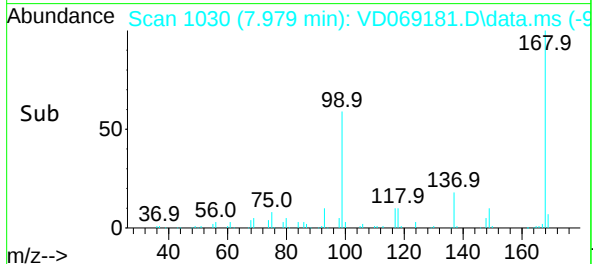
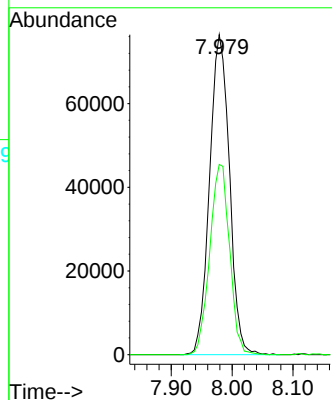
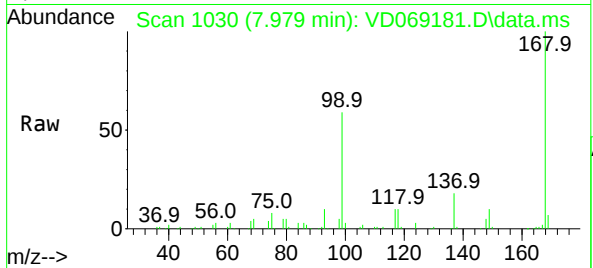




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

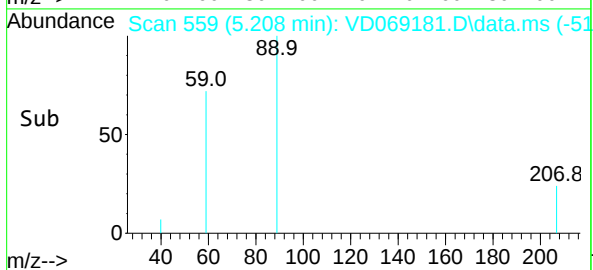
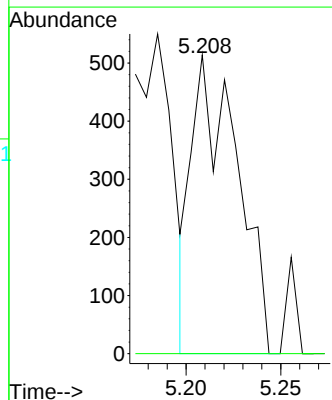
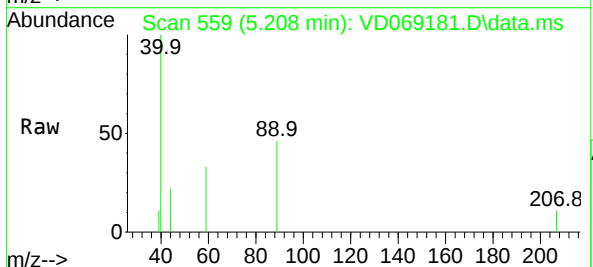
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-818-820

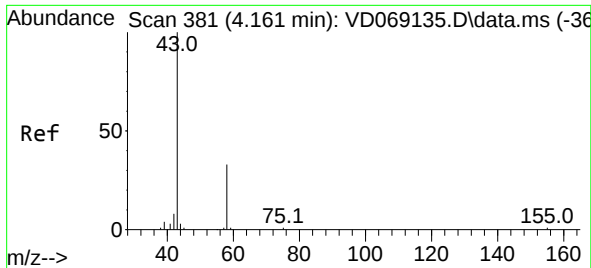
Tgt Ion:168 Resp: 173084
Ion Ratio Lower Upper
168 100
99 59.5 47.2 70.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.208 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

Tgt Ion: 59 Resp: 859
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

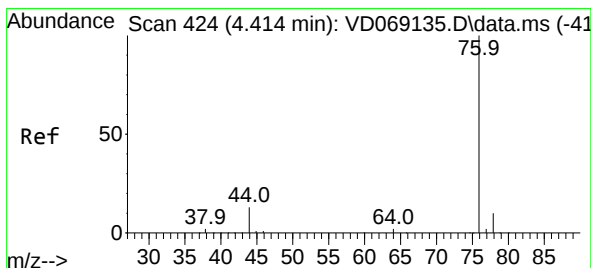
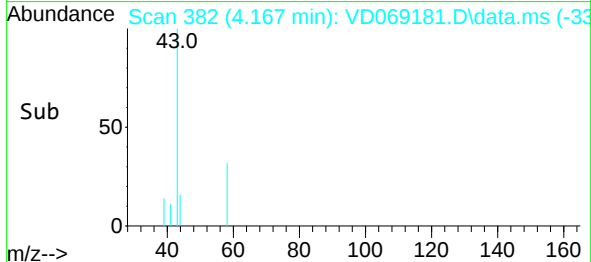
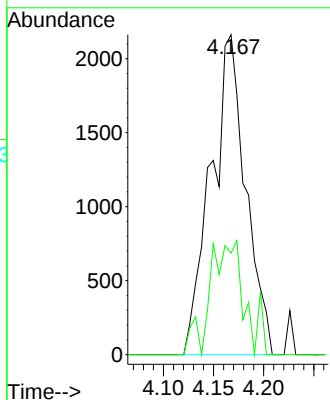
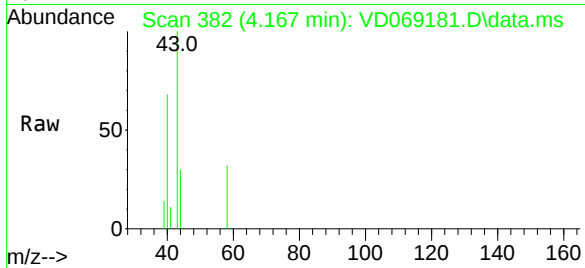




#16
Acetone
Concen: 19.57 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

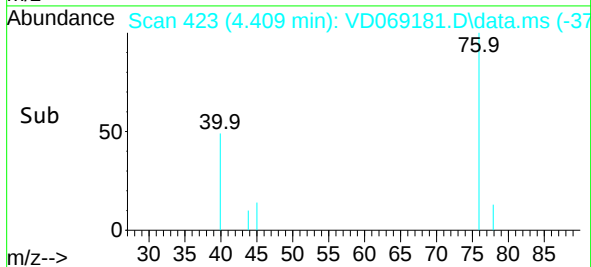
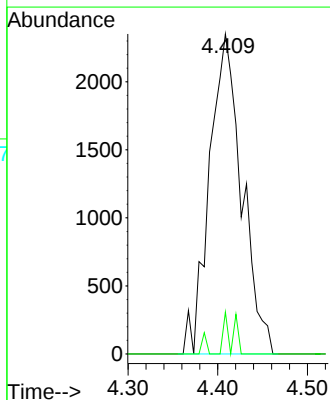
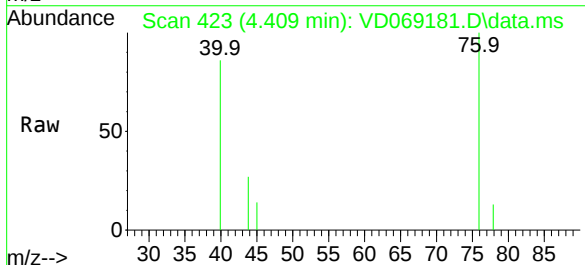
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-818-820

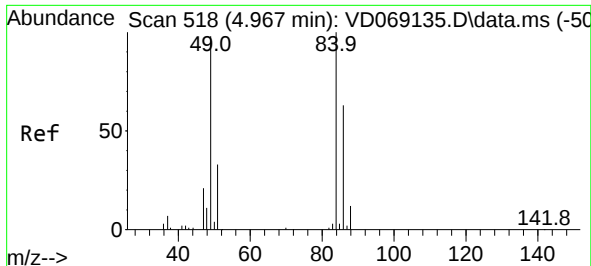
Tgt Ion: 43 Resp: 5200
Ion Ratio Lower Upper
43 100
58 31.7 26.7 40.1



#17
Carbon Disulfide
Concen: 1.03 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.006 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

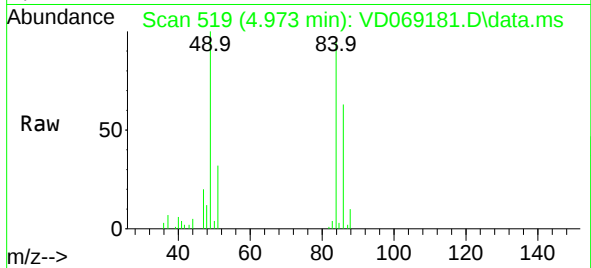
Tgt Ion: 76 Resp: 5894
Ion Ratio Lower Upper
76 100
78 13.1 8.1 12.1#



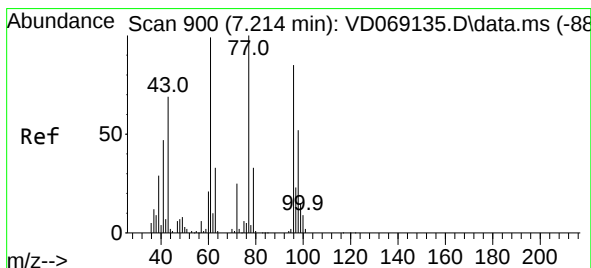
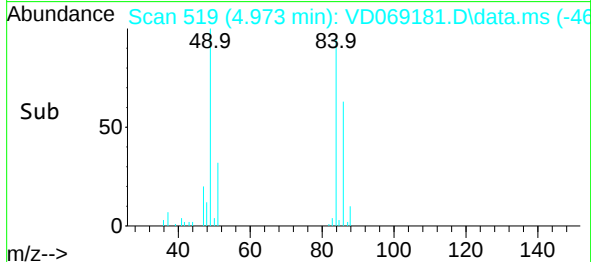
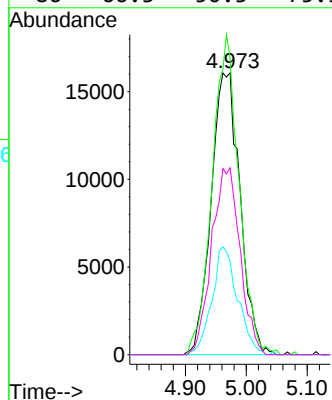


#20
Methylene Chloride
Concen: 18.86 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-818-820

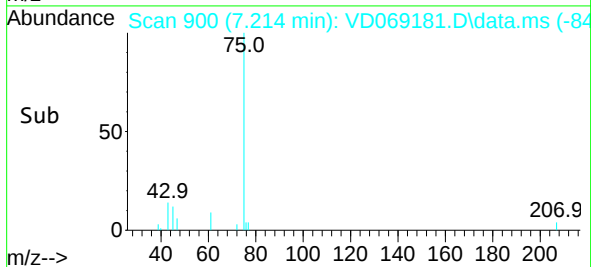
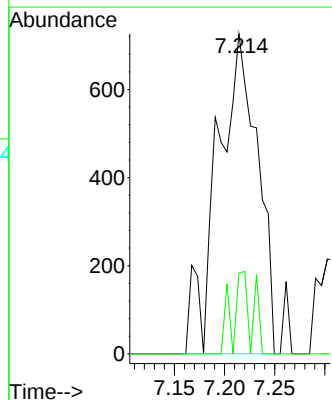
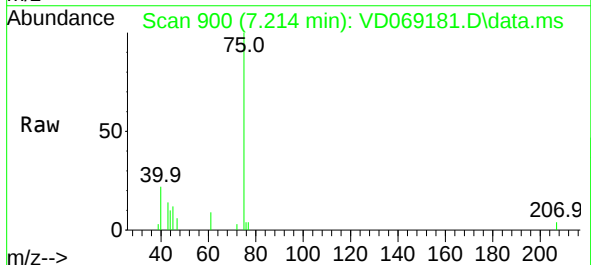


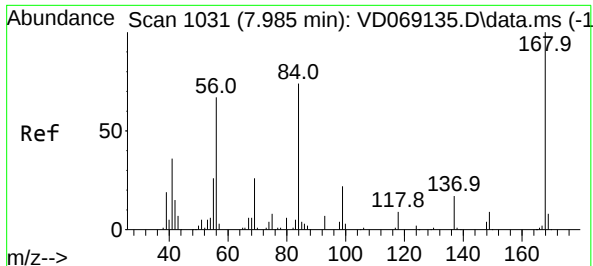
Tgt Ion:	84	Resp:	53010
Ion	Ratio	Lower	Upper
84	100		
49	105.2	78.6	117.8
51	33.2	26.7	40.1
86	66.3	50.3	75.5



#25
2-Butanone
Concen: 5.64 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.000 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

Tgt Ion:	43	Resp:	2032
Ion	Ratio	Lower	Upper
43	100		
72	25.2	29.1	43.7#

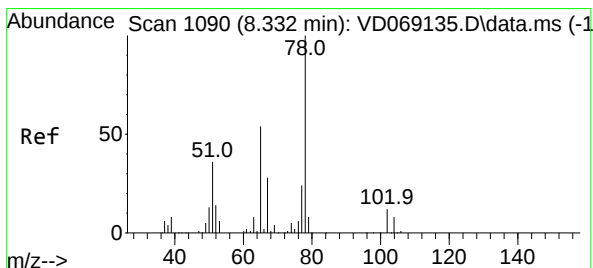
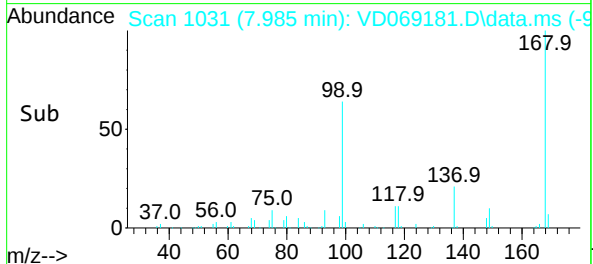
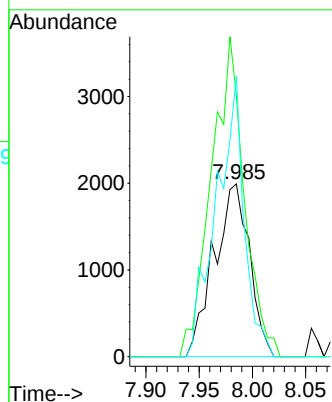
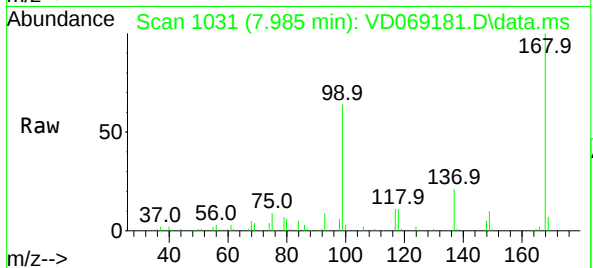




#31
Cyclohexane
Concen: 1.79 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

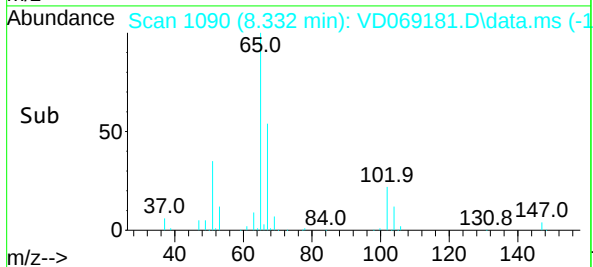
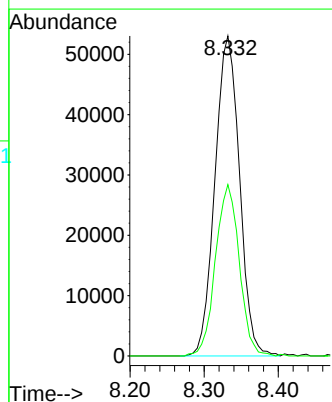
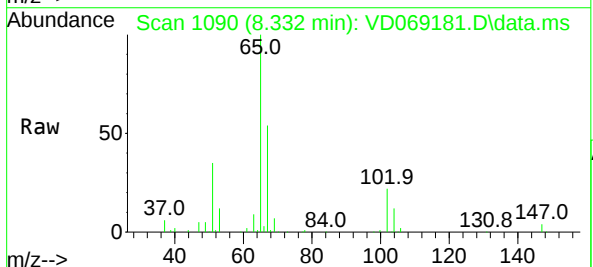
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-818-820

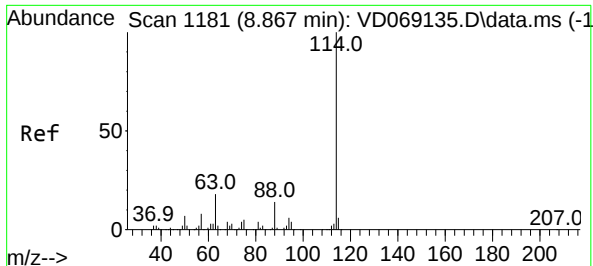
Tgt Ion: 56 Resp: 4605
Ion Ratio Lower Upper
56 100
69 151.1 30.6 46.0#
84 162.5 88.0 132.0#



#33
1,2-Dichloroethane-d4
Concen: 70.42 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

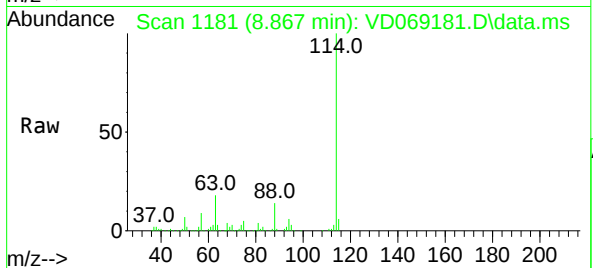
Tgt Ion: 65 Resp: 122184
Ion Ratio Lower Upper
65 100
67 51.9 0.0 108.0



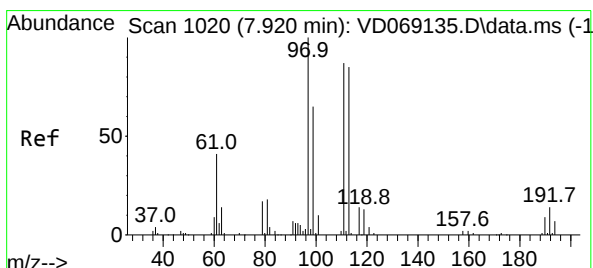
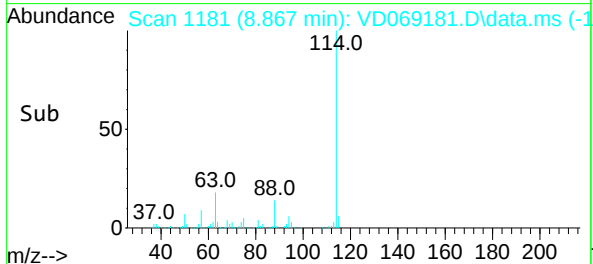
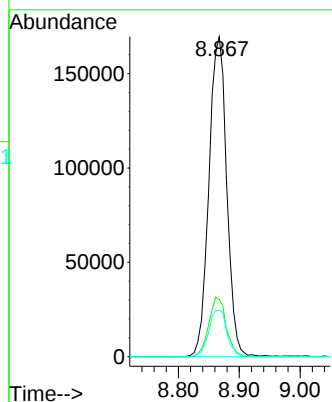


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-818-820

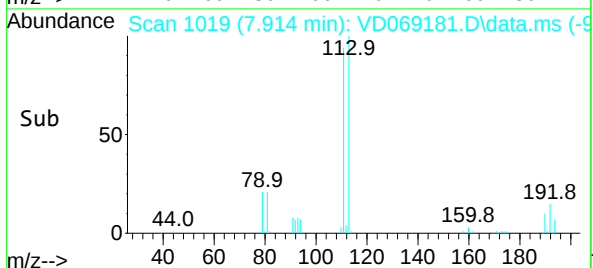
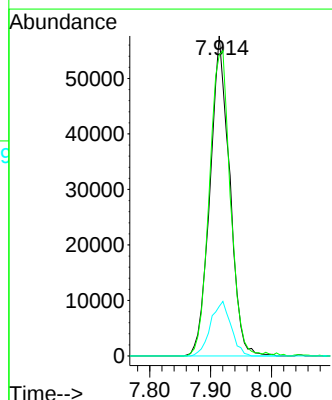
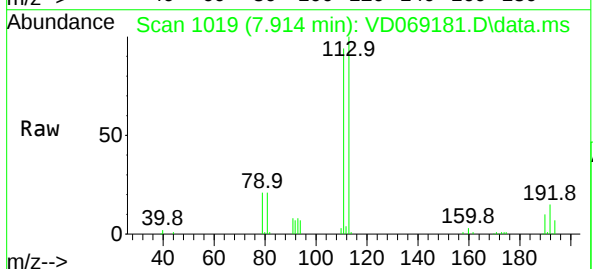


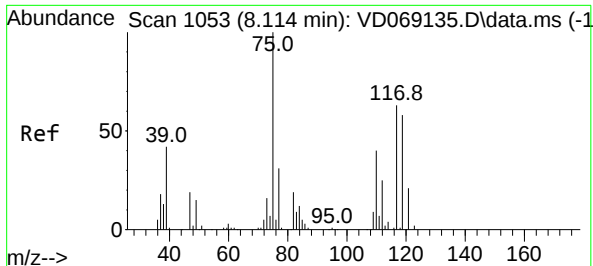
Tgt Ion:114 Resp: 344458
Ion Ratio Lower Upper
114 100
63 17.9 0.0 36.4
88 14.5 0.0 28.2



#35
Dibromofluoromethane
Concen: 57.43 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

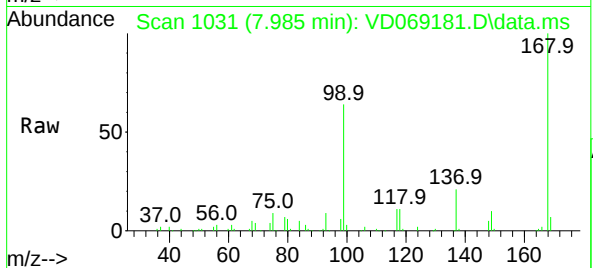
Tgt Ion:113 Resp: 128736
Ion Ratio Lower Upper
113 100
111 102.3 80.6 120.8
192 17.7 14.8 22.2



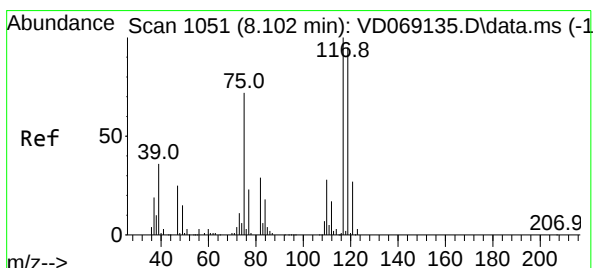
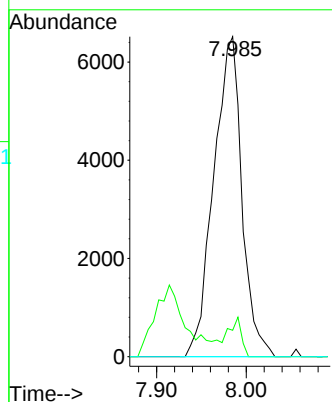
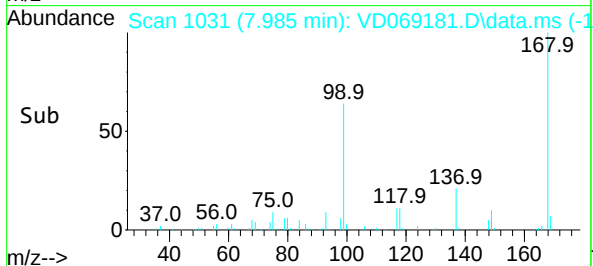


#36
1,1-Dichloropropene
Concen: 4.24 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.129 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

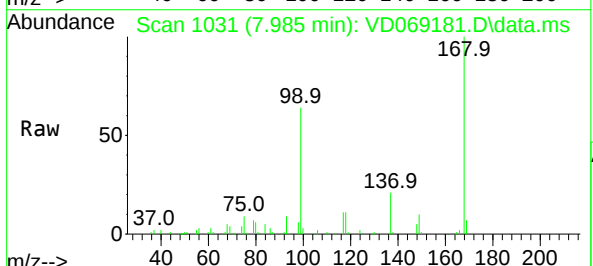
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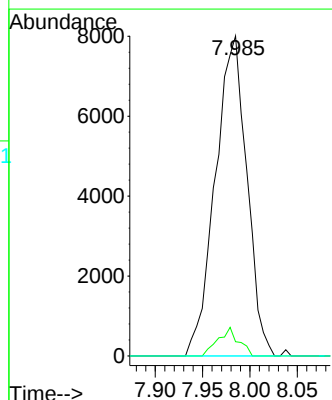
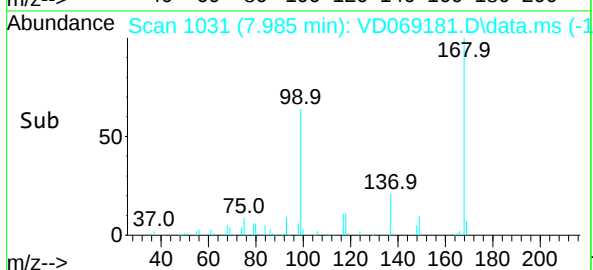
Tgt Ion: 75 Resp: 14195
Ion Ratio Lower Upper
75 100
110 5.4 18.8 56.4#
77 0.0 25.2 37.8#

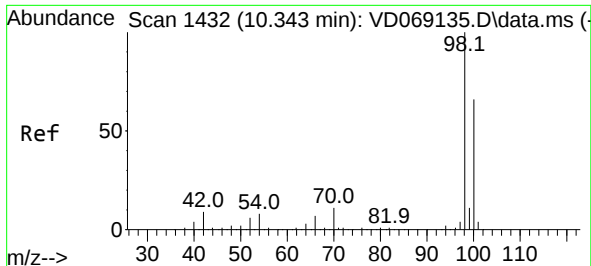


#38
Carbon Tetrachloride
Concen: 4.95 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.117 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19



Tgt Ion: 117 Resp: 18529
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 21.9 32.9#

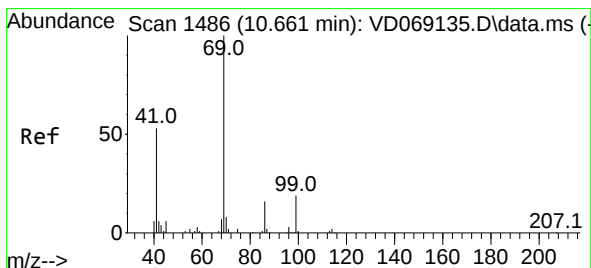
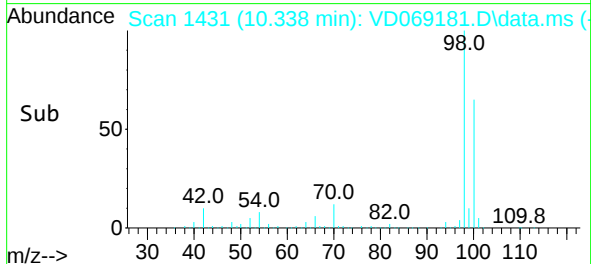
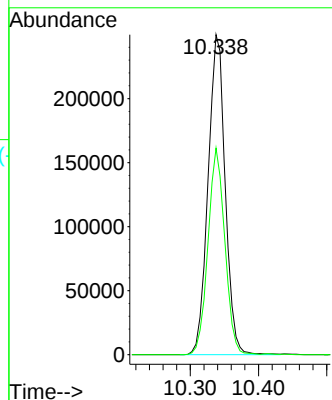
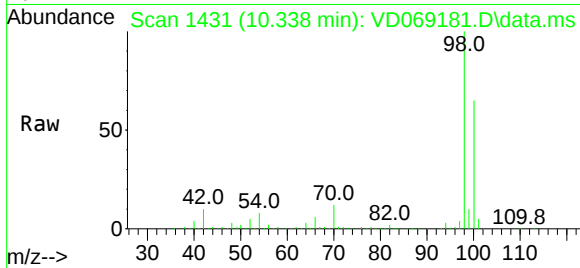




#50
Toluene-d8
Concen: 53.09 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

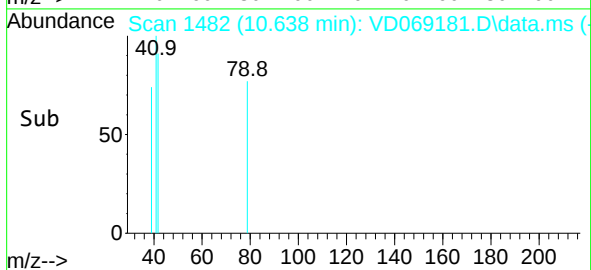
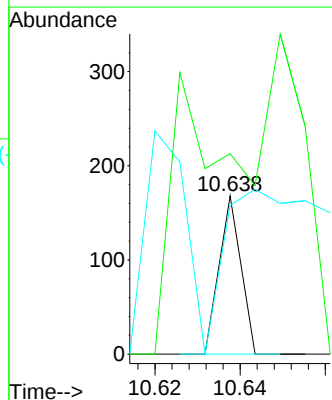
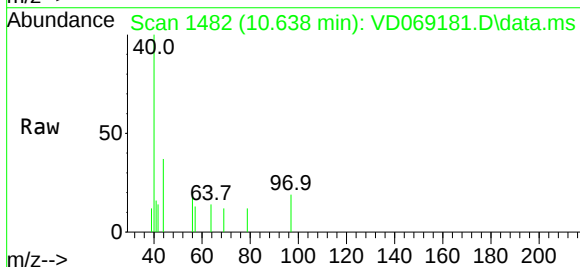
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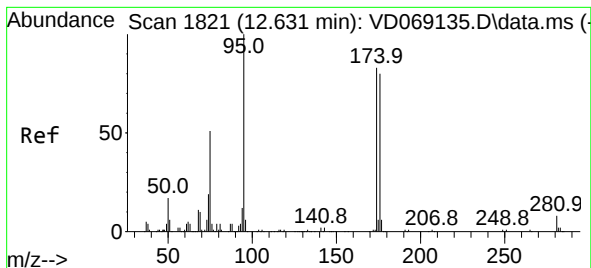
Tgt Ion: 98 Resp: 437269
Ion Ratio Lower Upper
98 100
100 63.5 51.8 77.8



#56
Ethyl methacrylate
Concen: 1.35 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.023 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

Tgt Ion: 69 Resp: 59
Ion Ratio Lower Upper
69 100
41 347.5 42.2 63.2#
39 0.0 26.3 39.5#

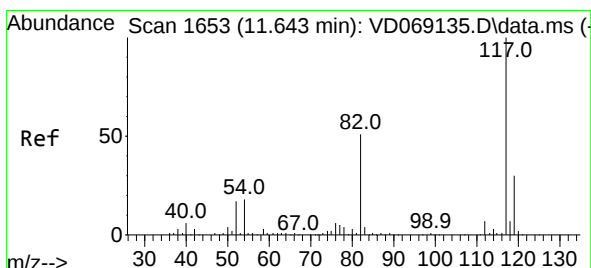
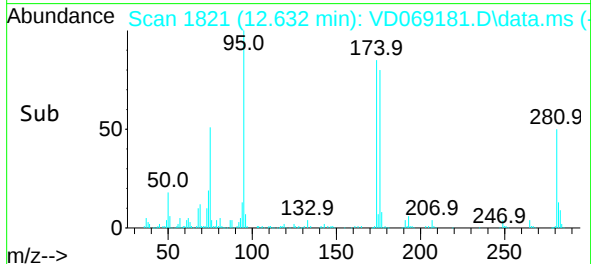
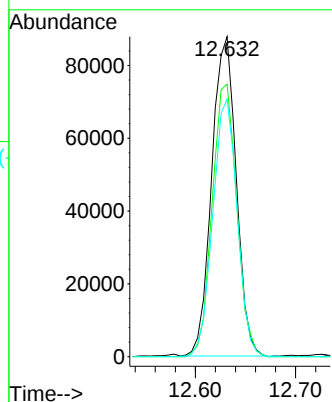
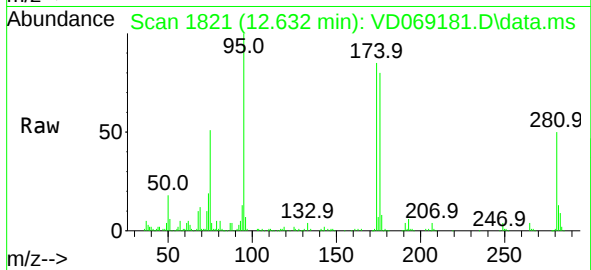




#62
4-Bromofluorobenzene
Concen: 56.14 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.000 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

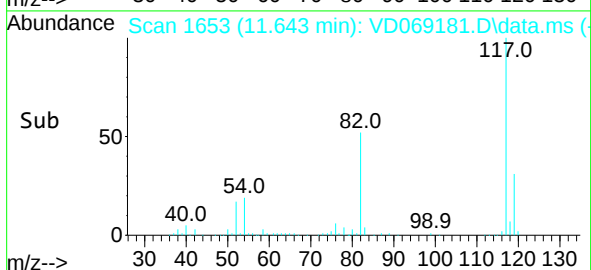
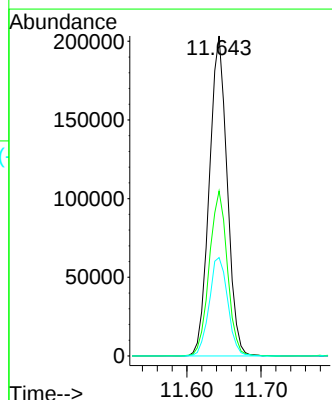
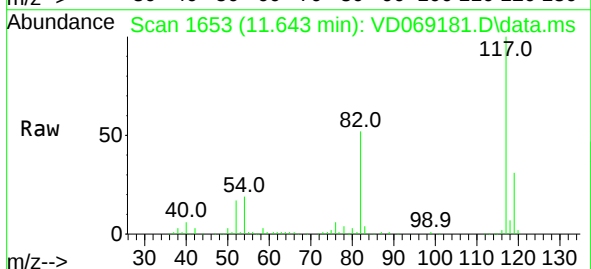
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-818-820

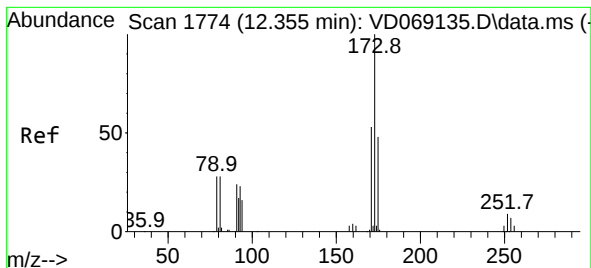
Tgt Ion: 95 Resp: 148789
Ion Ratio Lower Upper
95 100
174 85.7 0.0 171.8
176 80.2 0.0 165.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

Tgt Ion: 117 Resp: 339582
Ion Ratio Lower Upper
117 100
82 51.5 40.5 60.7
119 30.7 24.2 36.4





#71

Bromoform

Concen: 1.15 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. 0.271 min

Lab File: VD069181.D

Acq: 14 May 2021 17:19

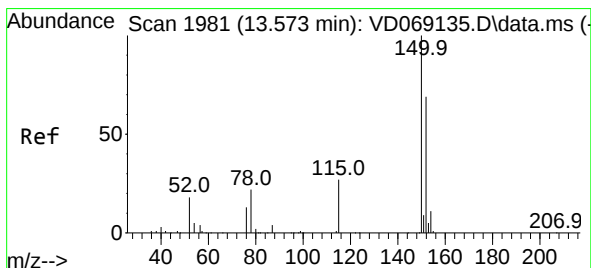
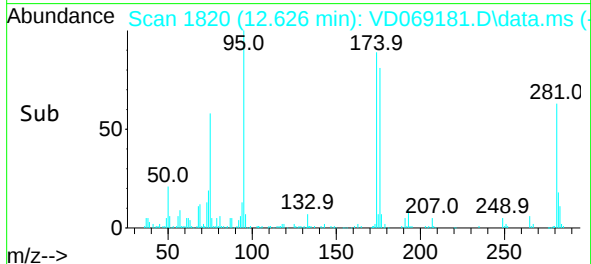
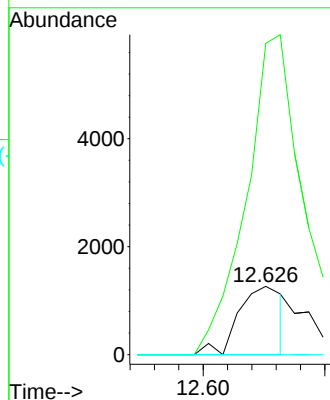
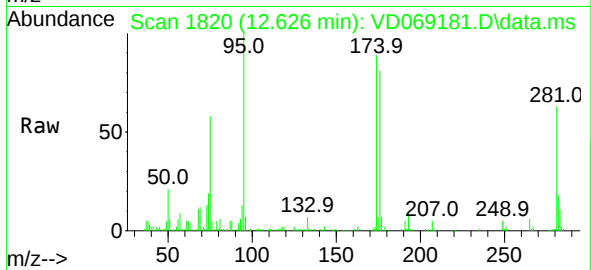
Tgt Ion:173 Resp: 1588

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.573 min Scan# 1981

Delta R.T. 0.000 min

Lab File: VD069181.D

Acq: 14 May 2021 17:19

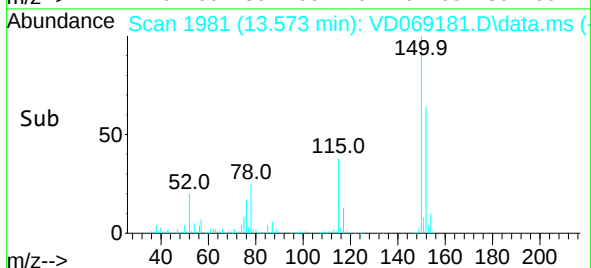
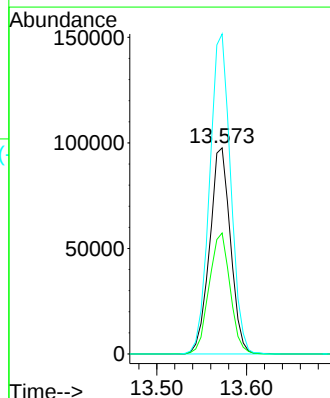
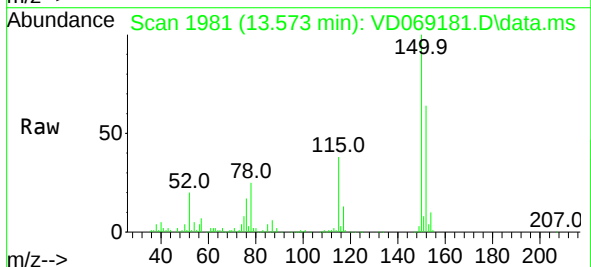
Tgt Ion:152 Resp: 157255

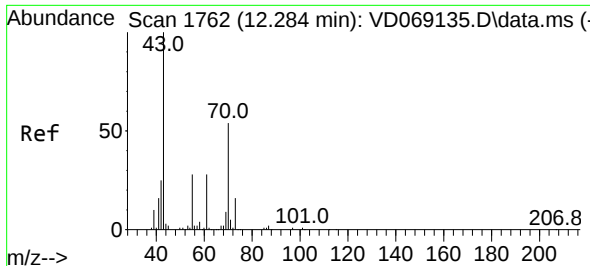
Ion Ratio Lower Upper

152 100

115 59.2 29.9 89.8

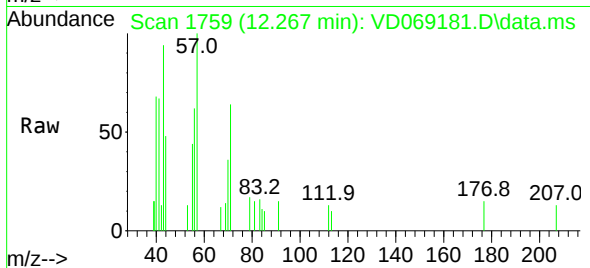
150 156.5 0.0 350.2



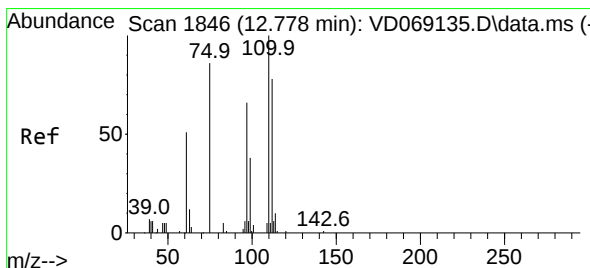
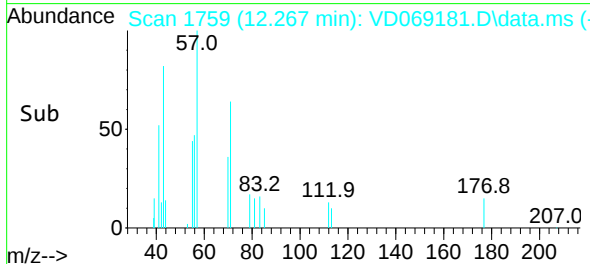
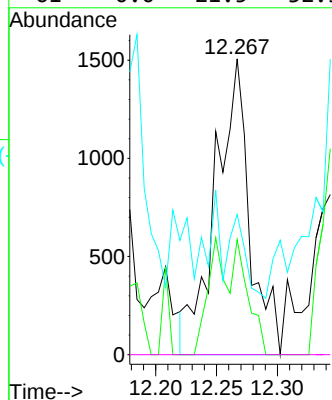


#74
N-amy1 acetate
Concen: 1.63 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.017 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-818-820

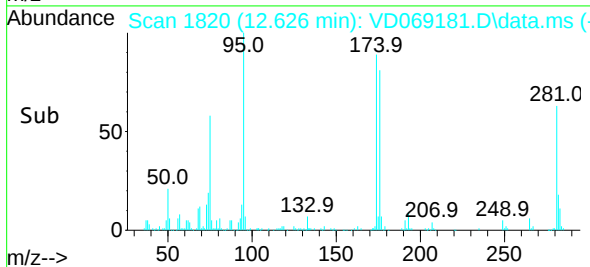
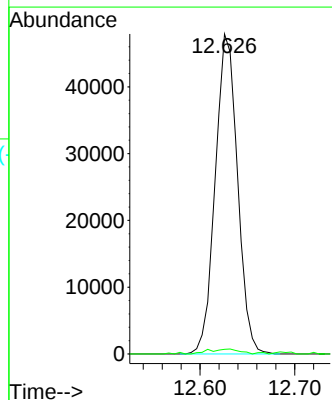
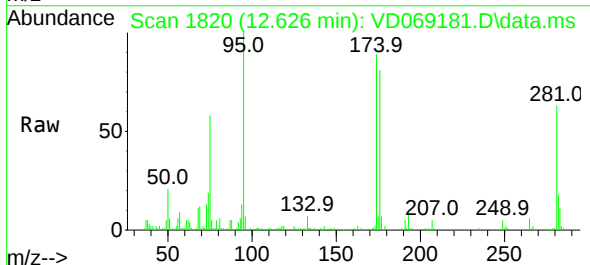


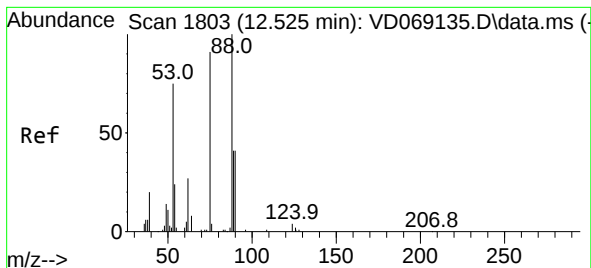
Tgt Ion:	43	Resp:	2934
Ion	Ratio	Lower	Upper
43	100		
70	21.8	41.6	62.4#
55	0.0	22.6	34.0#
61	0.0	21.5	32.3#



#76
1,2,3-Trichloropropane
Concen: 66.23 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

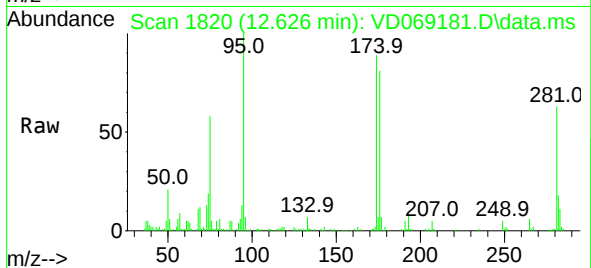
Tgt Ion:	75	Resp:	78292
Ion	Ratio	Lower	Upper
75	100		
77	2.1	0.0	0.0#



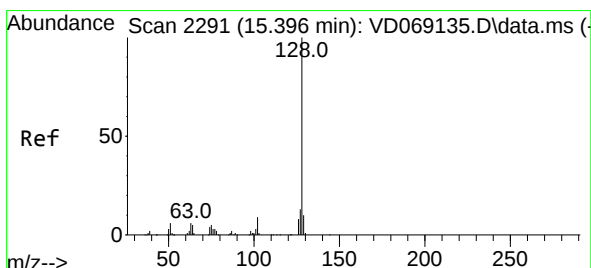
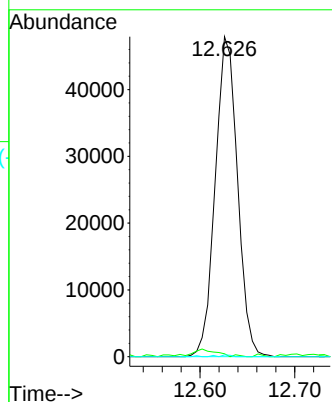
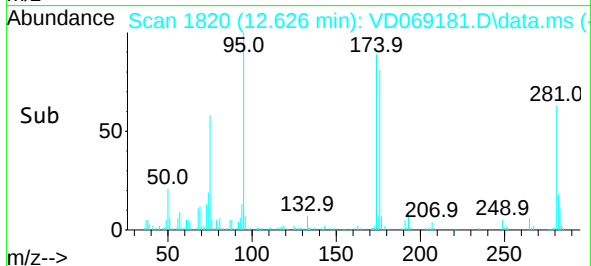


#81
trans-1,4-Dichloro-2-butene
Concen: 133.78 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19

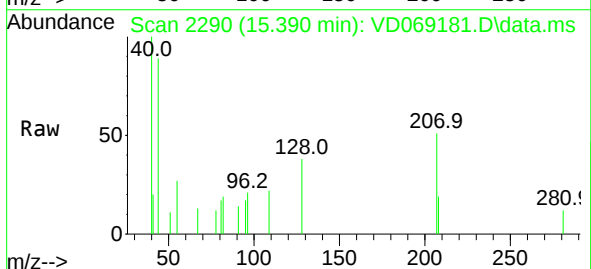
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-818-820



Tgt Ion: 75 Resp: 78292
Ion Ratio Lower Upper
75 100
53 0.0 70.0 105.0#
89 0.3 40.2 60.2#



#95
Naphthalene
Concen: 2.19 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069181.D
Acq: 14 May 2021 17:19



Tgt Ion: 128 Resp: 777
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.9 13.3#

