

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052121\
 Data File : VD069245.D
 Acq On : 21 May 2021 18:24
 Operator : VA/SY
 Sample : M2472-11
 Misc : 5.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BP-VPB-RW8-GW-938-940RE

Quant Time: May 22 00:36:08 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)

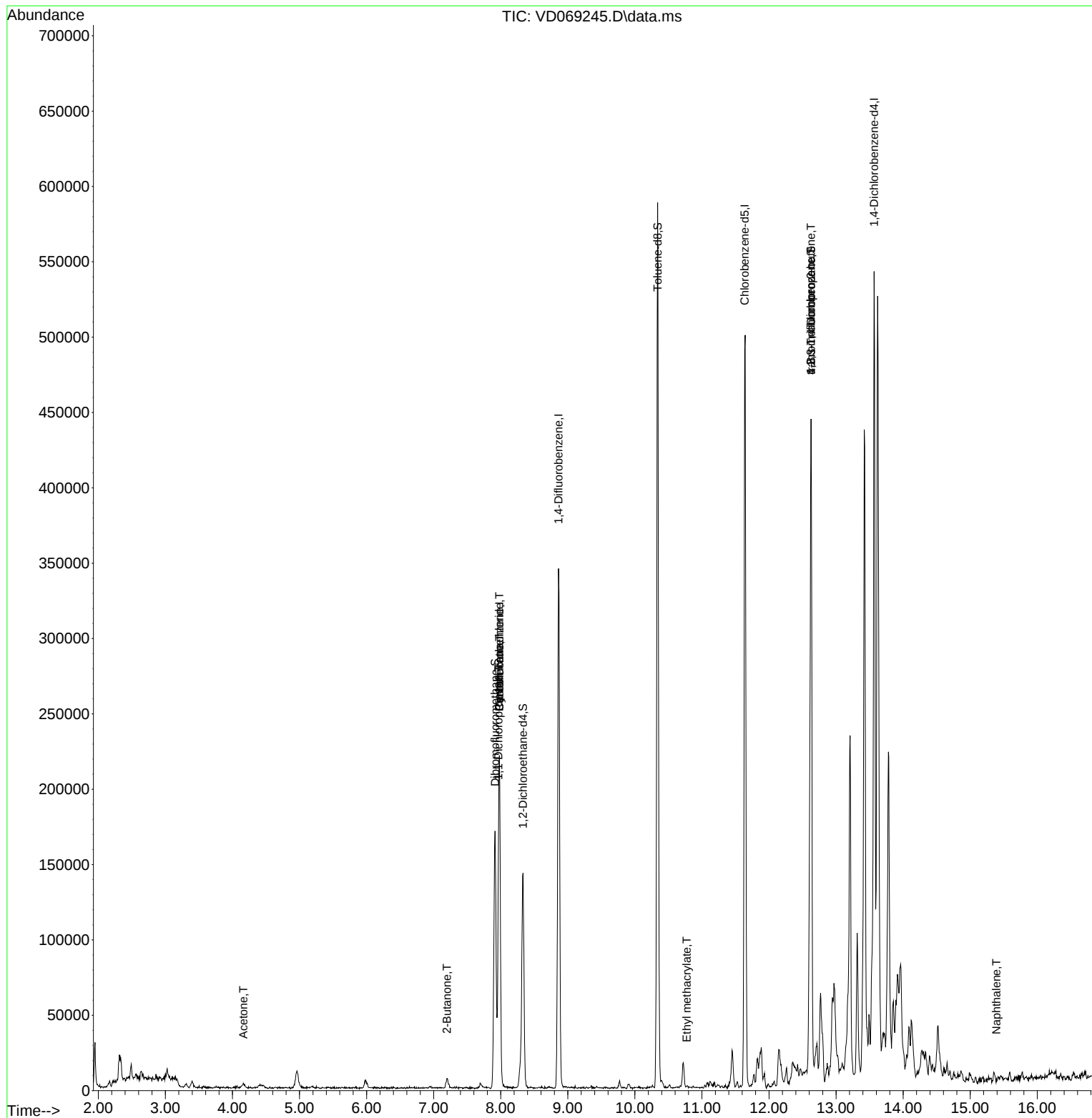
Internal Standards						
1) Pentafluorobenzene	7.979	168	160119	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	294338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	303145	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	133755	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	112981	70.38	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 140.76%			
35) Dibromofluoromethane	7.914	113	118092	61.65	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 123.30%			
50) Toluene-d8	10.338	98	391971	55.69	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 111.38%			
62) 4-Bromofluorobenzene	12.626	95	136954	60.47	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.94%			
Target Compounds						
11) Tert butyl alcohol	5.215	59	73	Below Cal	#	73
16) Acetone	4.162	43	5026	20.44	ug/l	# 85
20) Methylene Chloride	4.962	84	9120	Below Cal	#	94
25) 2-Butanone	7.197	43	429	1.29	ug/l	# 38
31) Cyclohexane	7.979	56	3844	1.62	ug/l	# 15
36) 1,1-Dichloropropene	7.967	75	15124	5.29	ug/l	# 46
38) Carbon Tetrachloride	7.979	117	16776	5.24	ug/l	# 18
56) Ethyl methacrylate	10.773	69	60	1.35	ug/l	# 1
76) 1,2,3-Trichloropropane	12.626	75	67753	67.39	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	67753	136.12	ug/l	# 16
95) Naphthalene	15.391	128	369	2.13	ug/l	# 85

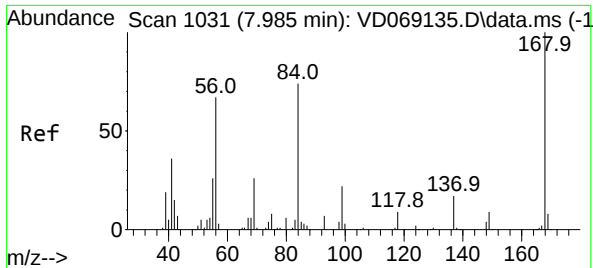
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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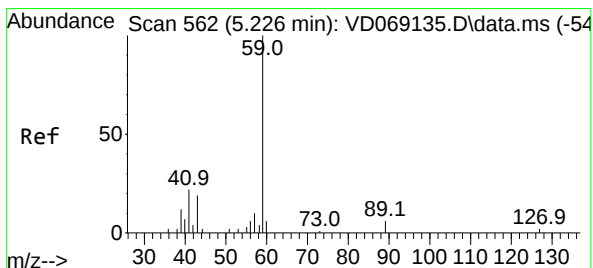
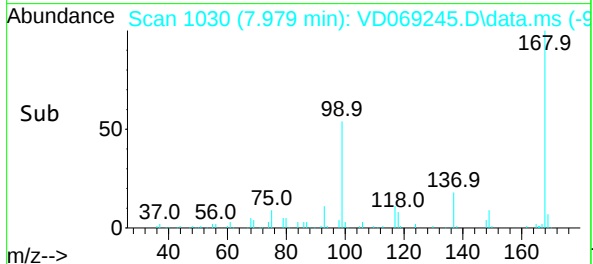
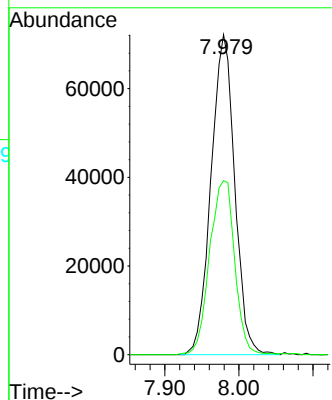
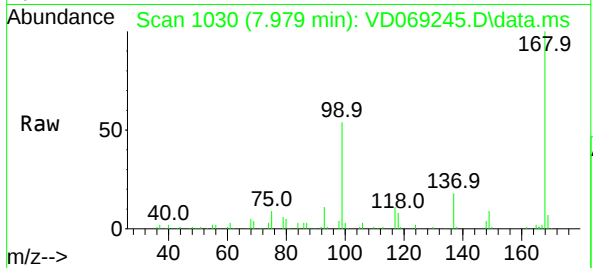




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

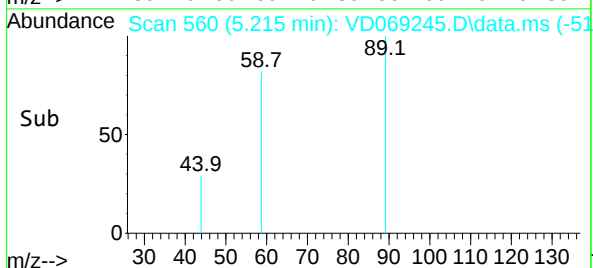
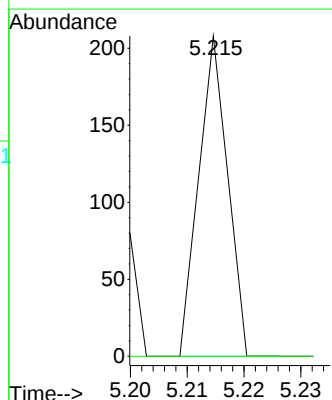
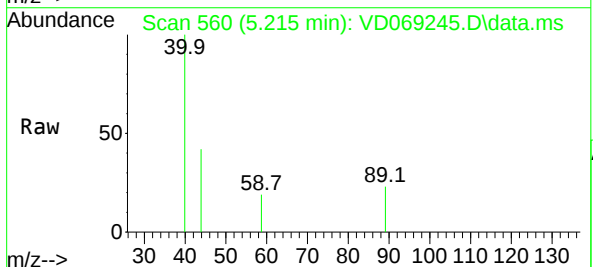
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-938-940RE

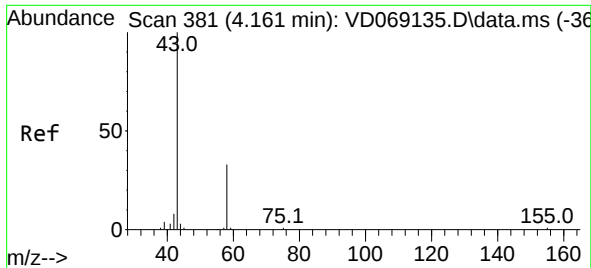
Tgt Ion:168 Resp: 160119
Ion Ratio Lower Upper
168 100
99 54.2 47.2 70.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.215 min Scan# 560
Delta R.T. -0.011 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

Tgt Ion: 59 Resp: 73
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

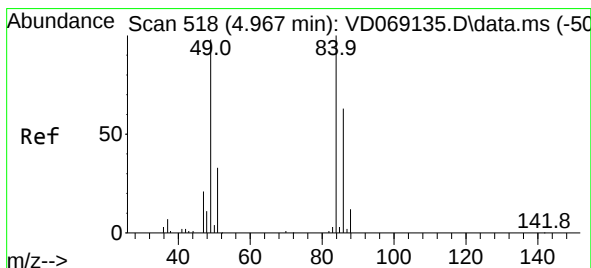
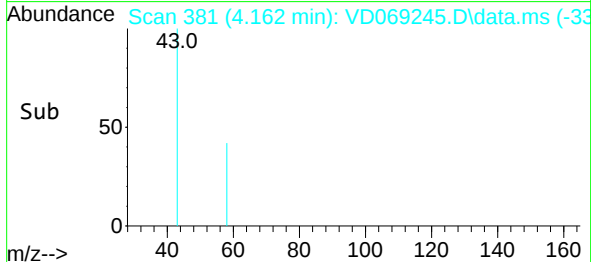
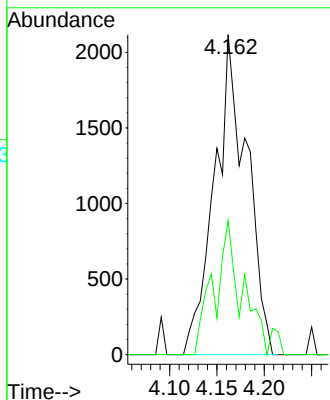
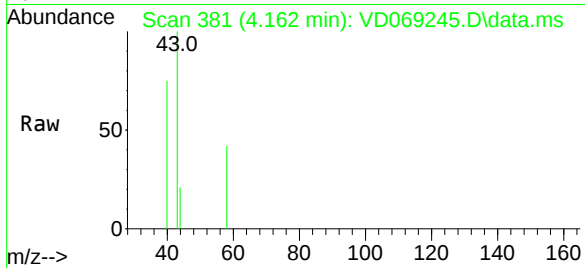




#16
Acetone
Concen: 20.44 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

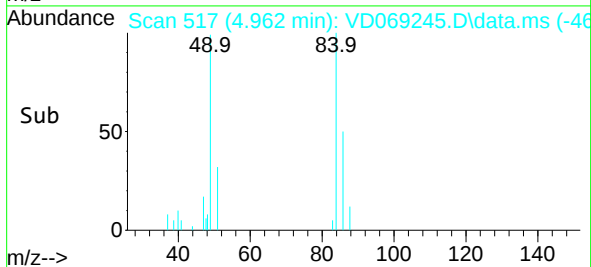
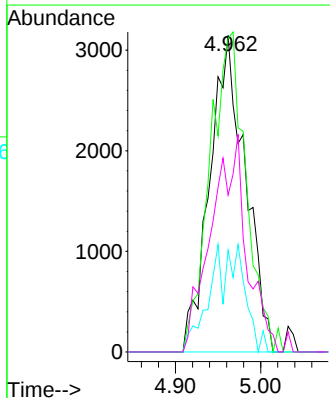
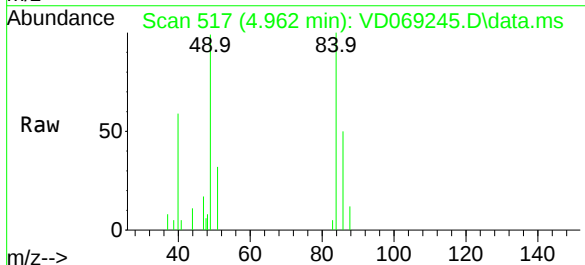
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-938-940RE

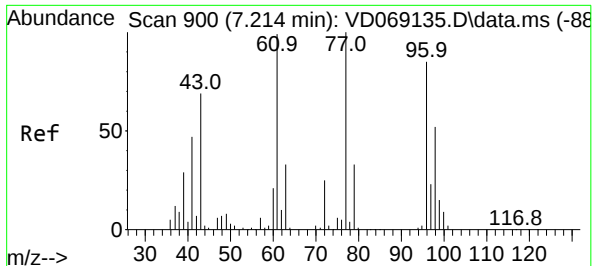
Tgt Ion: 43 Resp: 5026
Ion Ratio Lower Upper
43 100
58 41.9 26.7 40.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

Tgt Ion: 84 Resp: 9120
Ion Ratio Lower Upper
84 100
49 99.1 78.6 117.8
51 32.2 26.7 40.1
86 49.6 50.3 75.5#

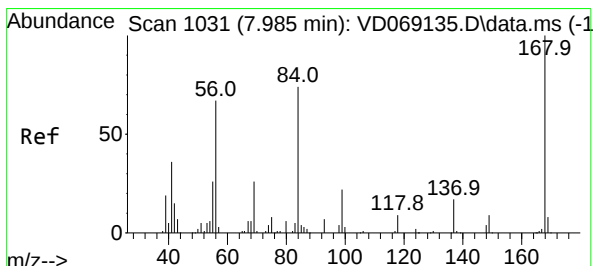
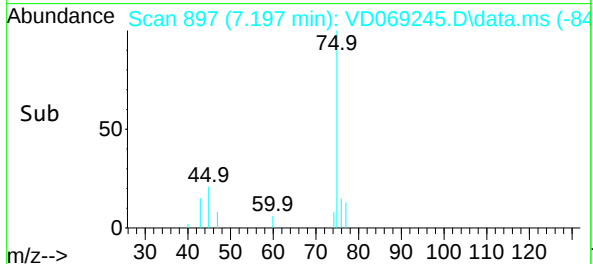
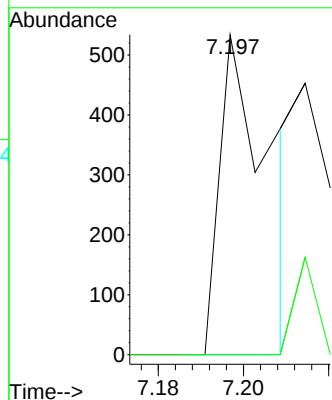
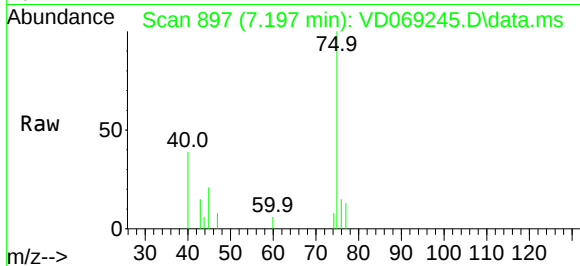




#25
2-Butanone
Concen: 1.29 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.017 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

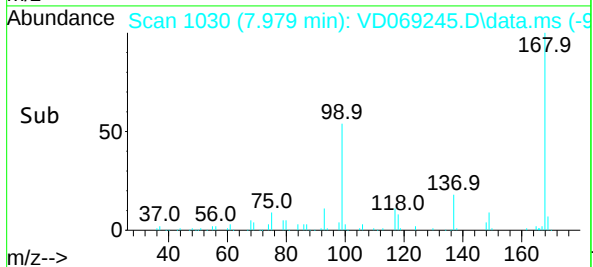
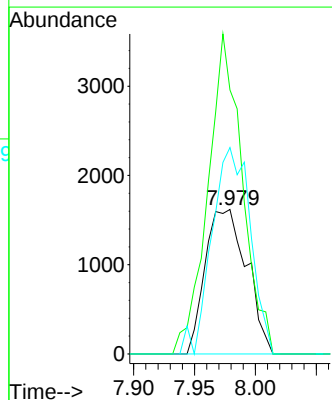
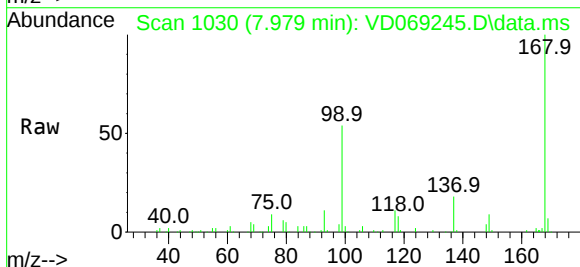
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-938-940RE

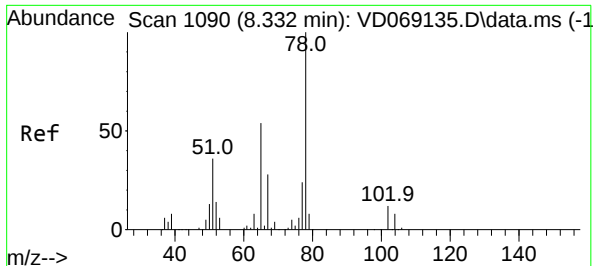
Tgt Ion: 43 Resp: 429
Ion Ratio Lower Upper
43 100
72 0.0 29.1 43.7#



#31
Cyclohexane
Concen: 1.62 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.005 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

Tgt Ion: 56 Resp: 3844
Ion Ratio Lower Upper
56 100
69 182.7 30.6 46.0#
84 142.9 88.0 132.0#

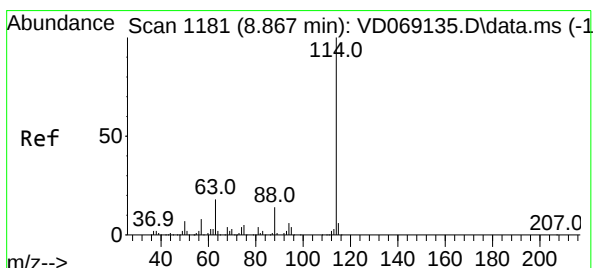
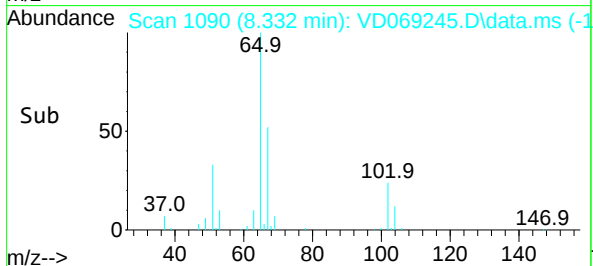
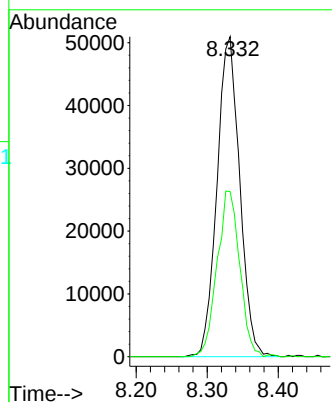
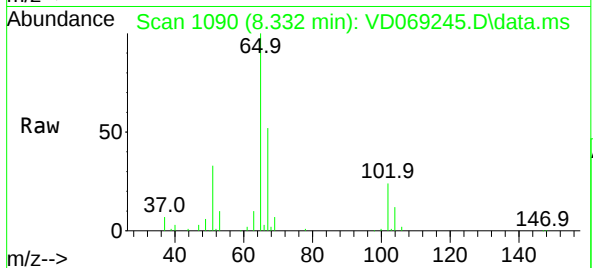




#33
1,2-Dichloroethane-d4
Concen: 70.38 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

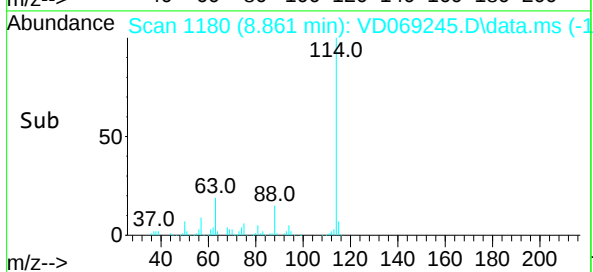
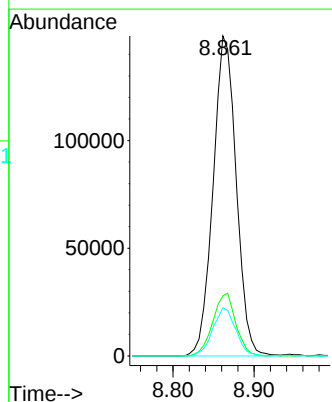
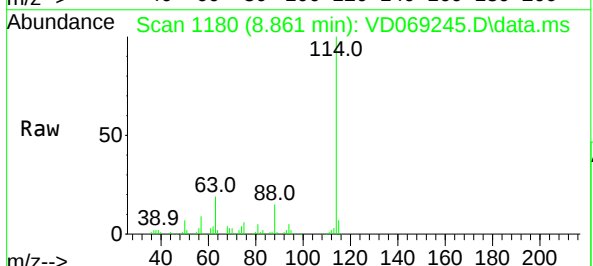
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-938-940RE

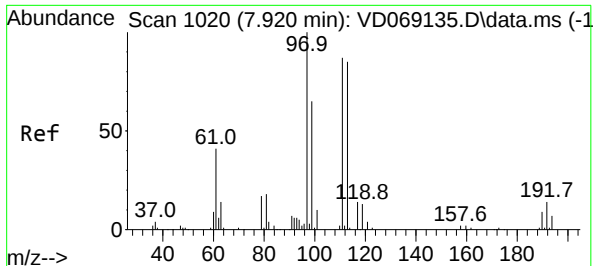
Tgt Ion: 65 Resp: 112981
Ion Ratio Lower Upper
65 100
67 51.7 0.0 108.0



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.005 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

Tgt Ion: 114 Resp: 294338
Ion Ratio Lower Upper
114 100
63 18.8 0.0 36.4
88 15.1 0.0 28.2

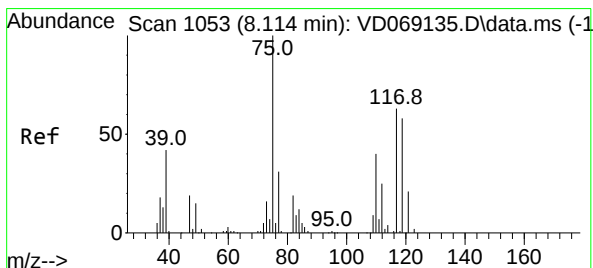
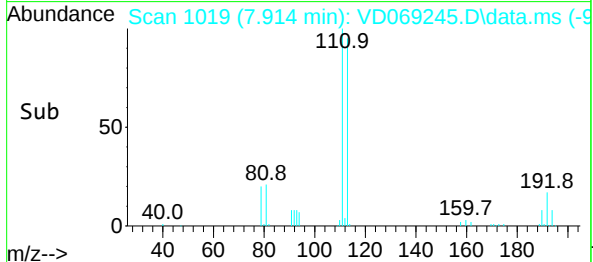
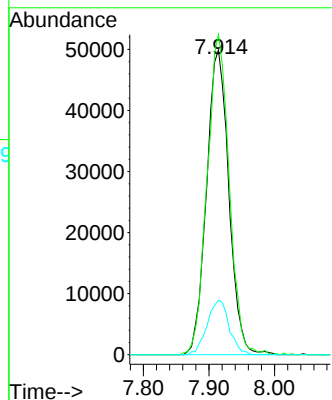
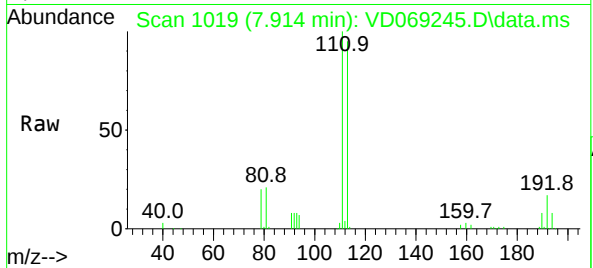




#35
Dibromofluoromethane
Concen: 61.65 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.005 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

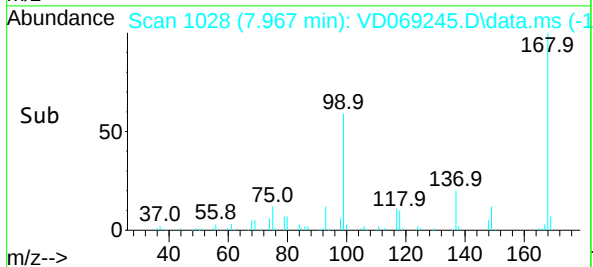
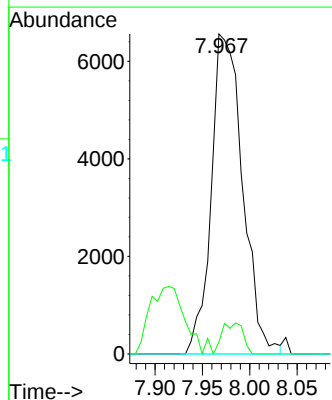
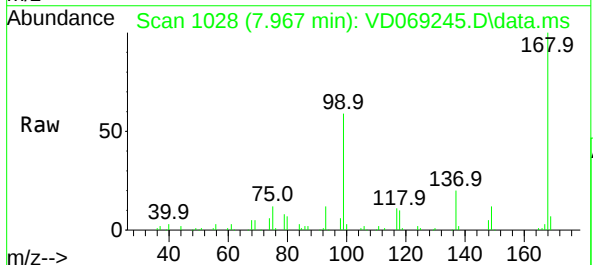
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-938-940RE

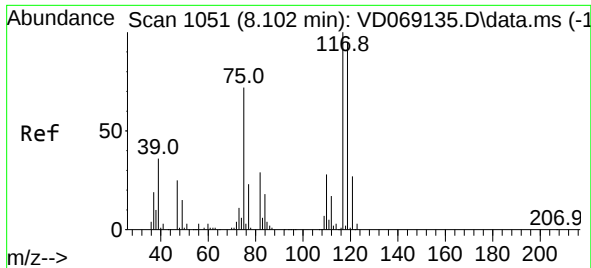
Tgt Ion:113 Resp: 118092
Ion Ratio Lower Upper
113 100
111 104.1 80.6 120.8
192 17.6 14.8 22.2



#36
1,1-Dichloropropene
Concen: 5.29 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.147 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

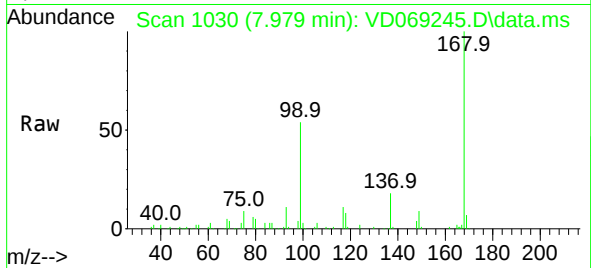
Tgt Ion: 75 Resp: 15124
Ion Ratio Lower Upper
75 100
110 6.5 18.8 56.4#
77 0.0 25.2 37.8#



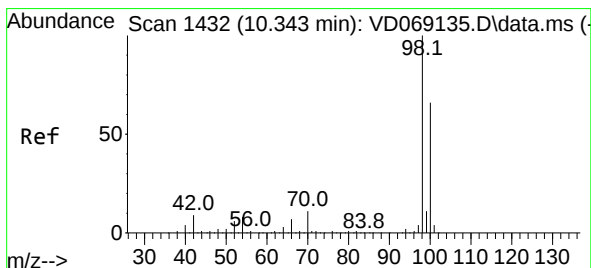
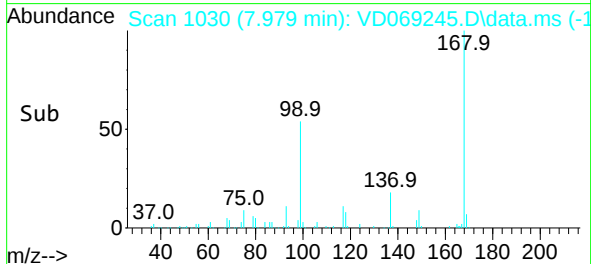
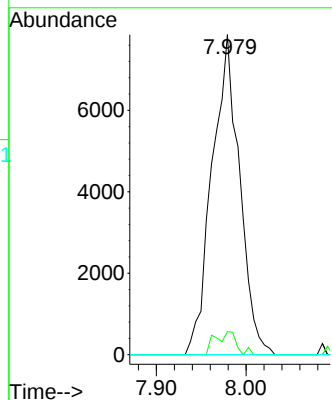


#38
Carbon Tetrachloride
Concen: 5.24 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.123 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

Instrument :
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ClientSampleId :
BP-VPB-RW8-GW-938-940RE

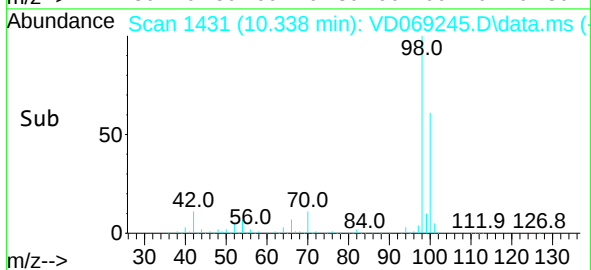
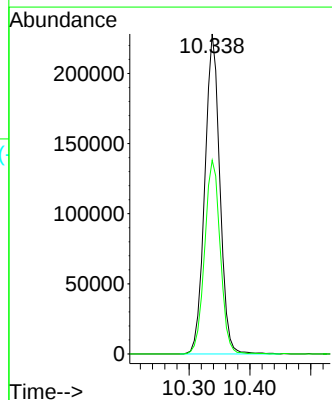
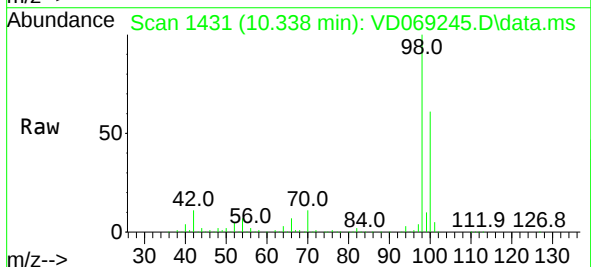


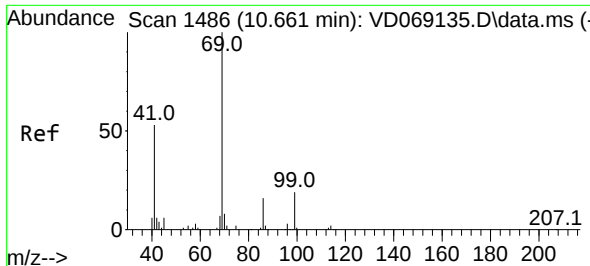
Tgt Ion:117 Resp: 16776
Ion Ratio Lower Upper
117 100
119 7.2 76.2 114.2#
121 0.0 21.9 32.9#



#50
Toluene-d8
Concen: 55.69 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.005 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

Tgt Ion: 98 Resp: 391971
Ion Ratio Lower Upper
98 100
100 62.5 51.8 77.8

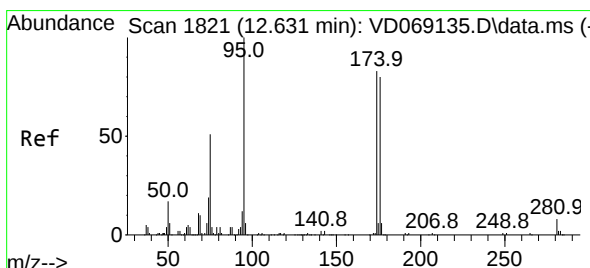
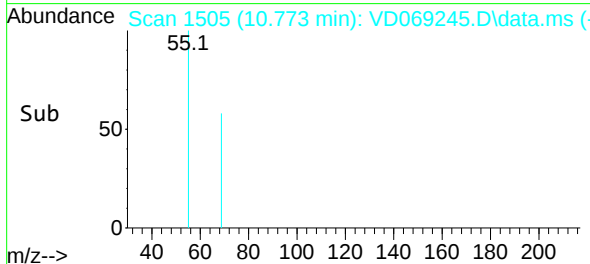
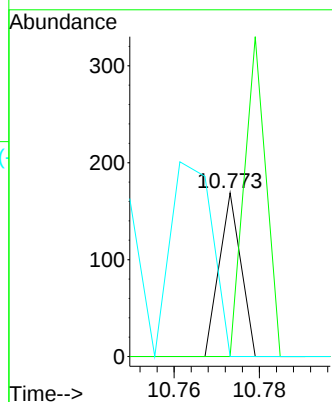
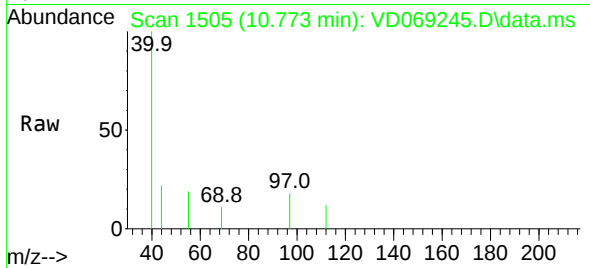




#56
Ethyl methacrylate
Concen: 1.35 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. 0.112 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

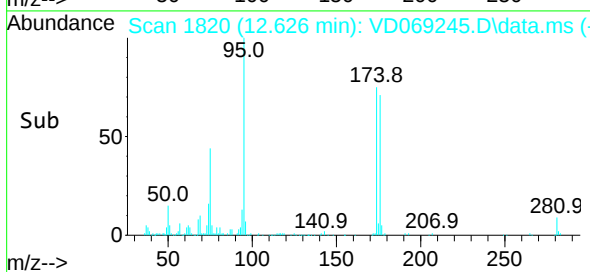
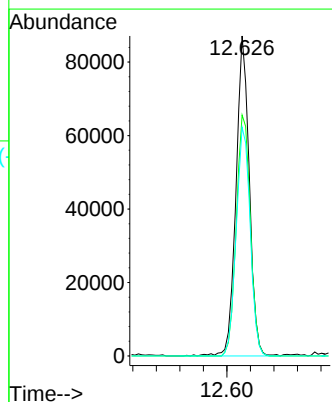
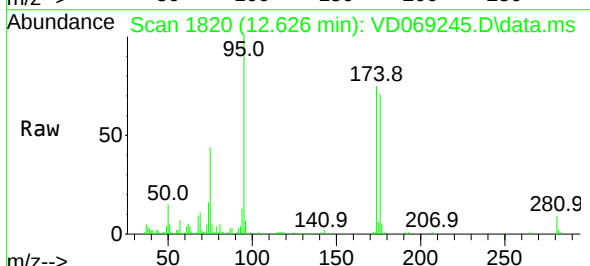
Instrument :
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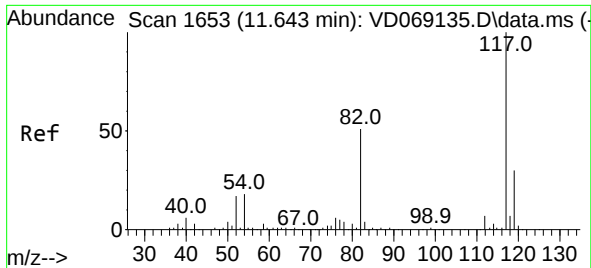
Tgt Ion: 69 Resp: 60
Ion Ratio Lower Upper
69 100
41 193.3 42.2 63.2#
39 325.0 26.3 39.5#



#62
4-Bromofluorobenzene
Concen: 60.47 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.005 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

Tgt Ion: 95 Resp: 136954
Ion Ratio Lower Upper
95 100
174 79.5 0.0 171.8
176 74.7 0.0 165.4

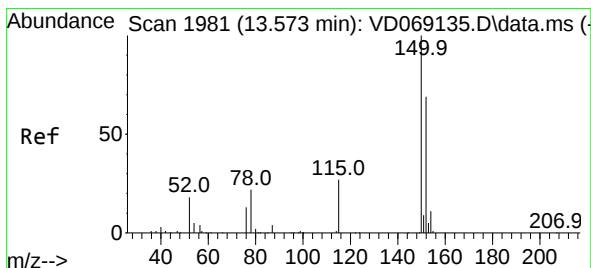
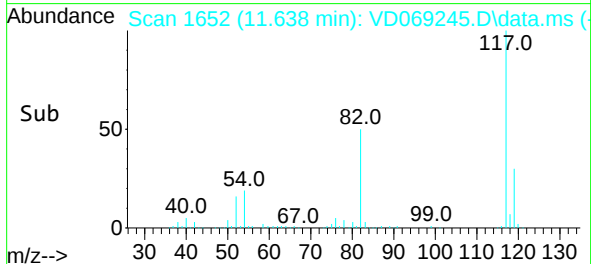
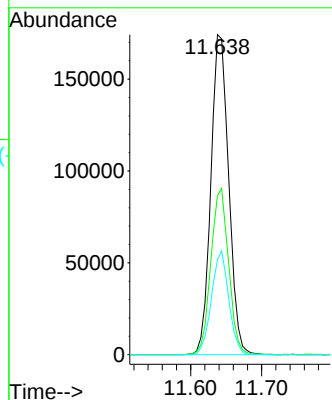
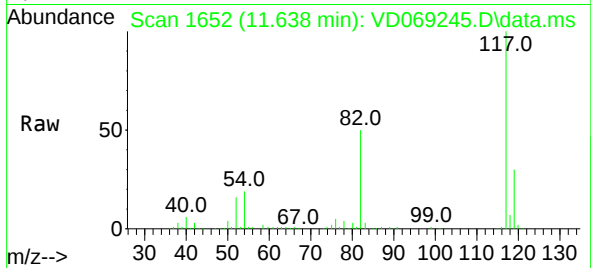




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.005 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

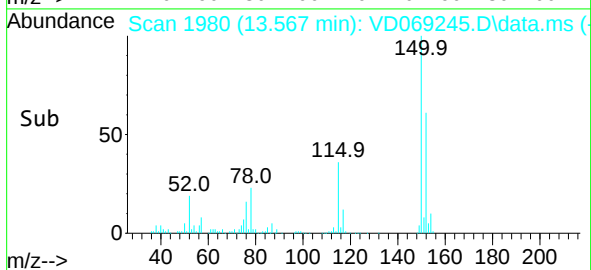
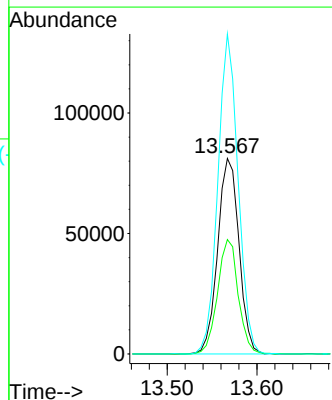
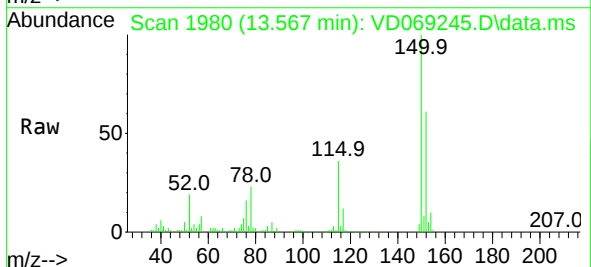
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-938-940RE

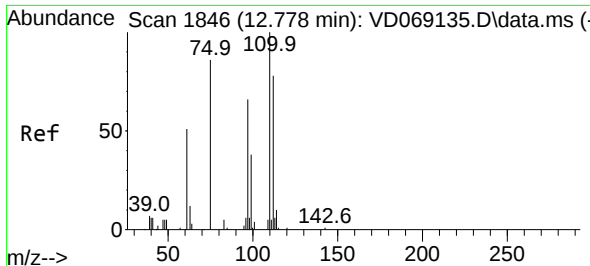
Tgt Ion:	117	Resp:	303145
Ion Ratio	Lower	Upper	
117	100		
82	49.7	40.5	60.7
119	29.6	24.2	36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.005 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

Tgt Ion:	152	Resp:	133755
Ion Ratio	Lower	Upper	
152	100		
115	56.9	29.9	89.8
150	155.3	0.0	350.2

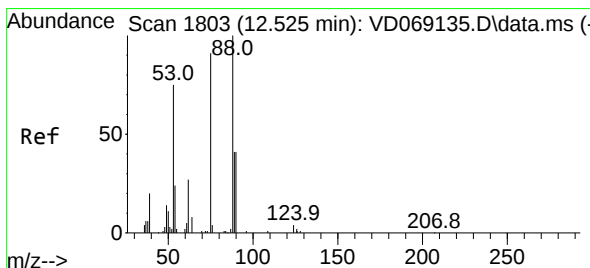
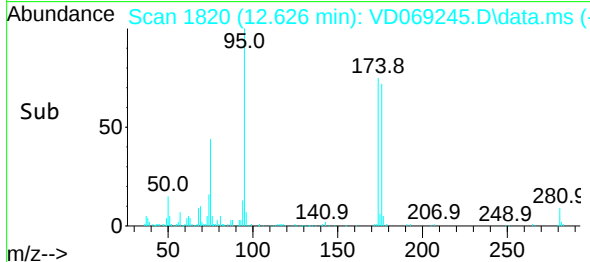
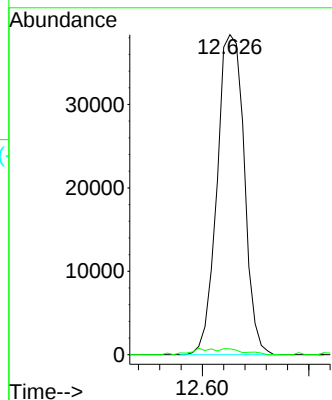
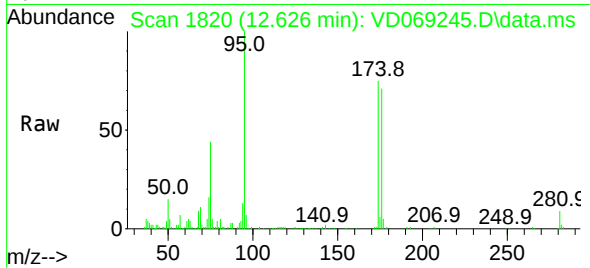




#76
1,2,3-Trichloropropane
Concen: 67.39 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.152 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

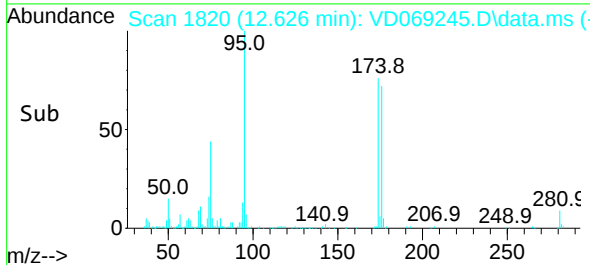
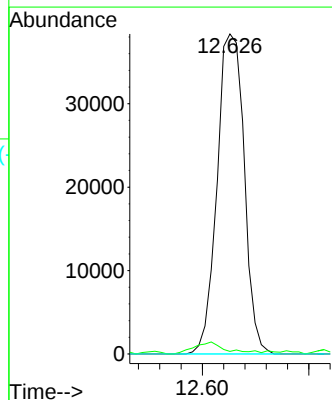
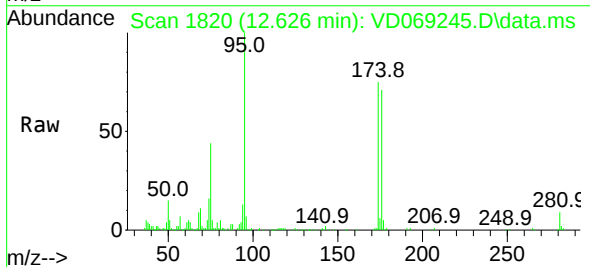
Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-938-940RE

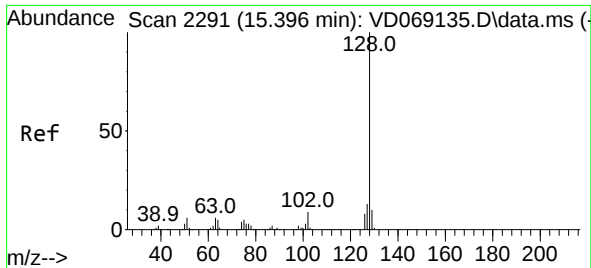
Tgt Ion: 75 Resp: 67753
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.12 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

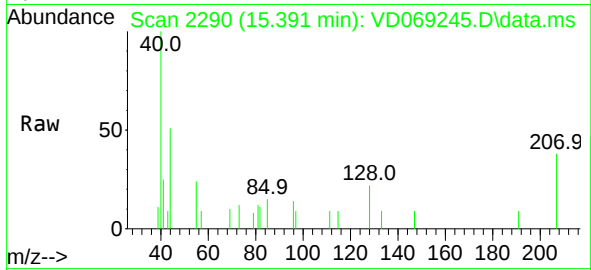
Tgt Ion: 75 Resp: 67753
Ion Ratio Lower Upper
75 100
53 4.2 70.0 105.0#
89 0.0 40.2 60.2#





#95
Naphthalene
Concen: 2.13 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. -0.005 min
Lab File: VD069245.D
Acq: 21 May 2021 18:24

Instrument :
MSVOA_D
ClientSampleId :
BP-VPB-RW8-GW-938-940RE



Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.4	10.5	15.7
129	0.0	8.9	13.3

