

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072621\
 Data File : VD069847.D
 Acq On : 26 Jul 2021 14:58
 Operator : VA/SY
 Sample : M3128-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 05:11:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

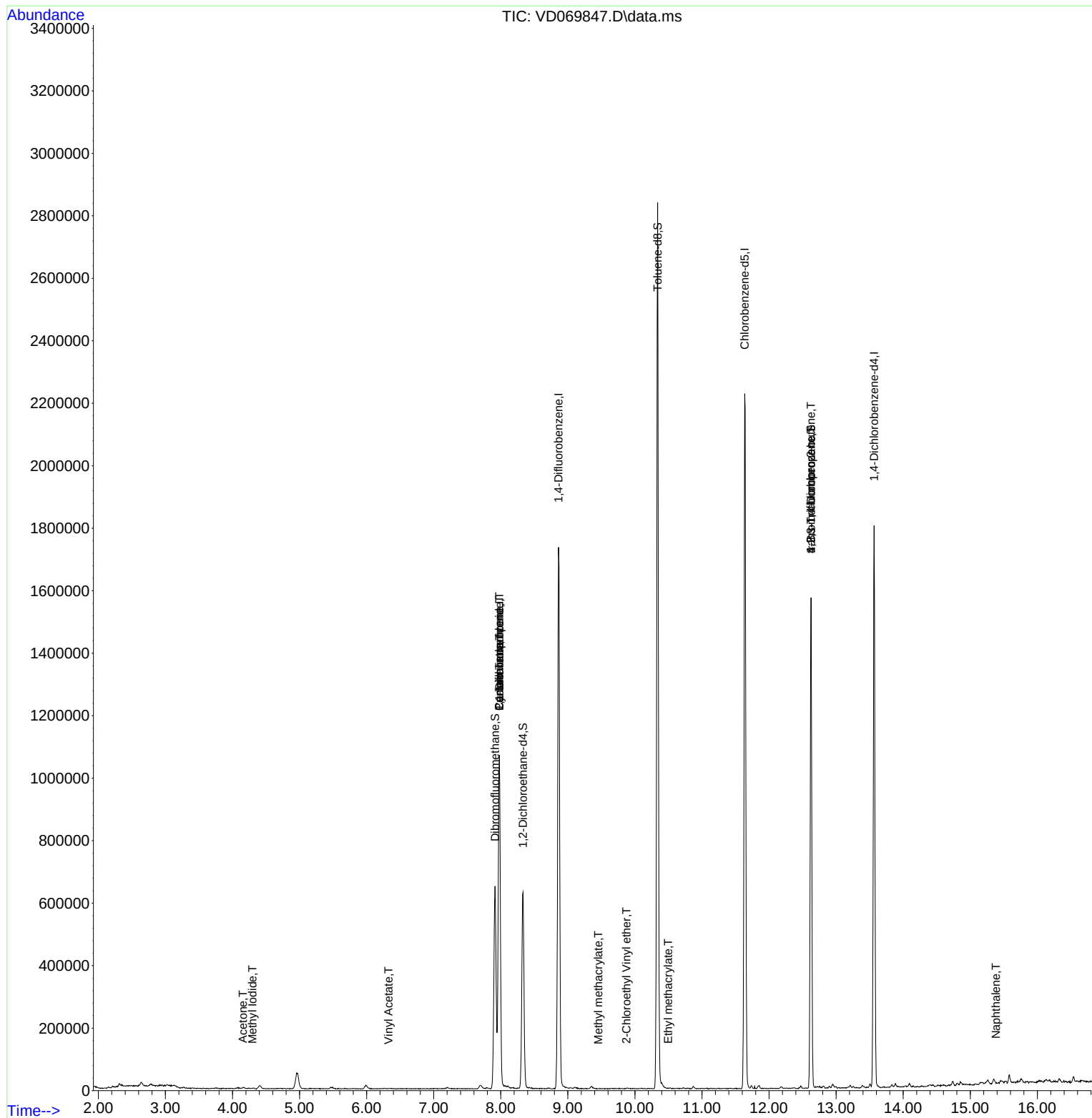
Internal Standards						
1) Pentafluorobenzene	7.979	168	744941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1477163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1306599	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	471708	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	493186	57.565	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.120%			
35) Dibromofluoromethane	7.914	113	476444	51.164	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.320%			
50) Toluene-d8	10.338	98	1856972	51.717	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.440%			
62) 4-Bromofluorobenzene	12.626	95	538994	44.916	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 89.840%			
Target Compounds					Qvalue	
5) Bromomethane	2.779	94	4159	Below Cal		82
10) Methyl Iodide	4.297	142	1788	3.642 ug/l #		74
16) Acetone	4.156	43	6861	4.433 ug/l #		75
20) Methylene Chloride	4.956	84	41827	Below Cal		94
23) Vinyl Acetate	6.326	43	389	20.373 ug/l #		71
31) Cyclohexane	7.979	56	19588	1.170 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	68397	4.291 ug/l #		49
38) Carbon Tetrachloride	7.979	117	80736	5.545 ug/l #		16
48) Methyl methacrylate	9.455	41	63	2.758 ug/l #		13
56) Ethyl methacrylate	10.496	69	76	3.903 ug/l #		1
58) 2-Chloroethyl Vinyl ether	9.873	63	59	20.882 ug/l #		48
76) 1,2,3-Trichloropropane	12.626	75	266306	53.113 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	266306	161.132 ug/l #		16
95) Naphthalene	15.384	128	2412	5.139 ug/l #		92

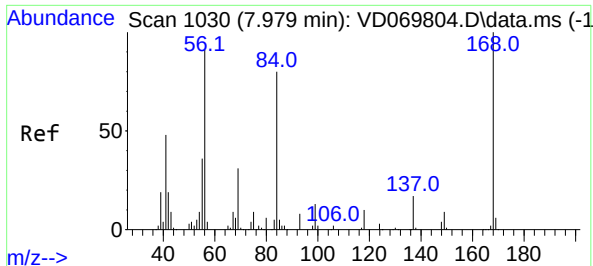
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 27 05:11:33 2021
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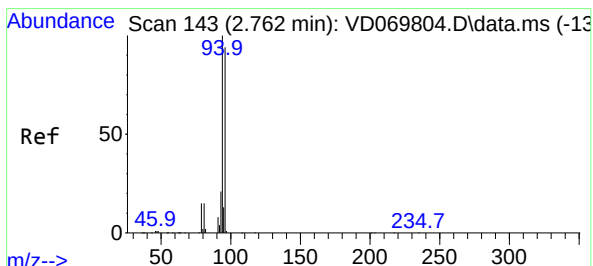
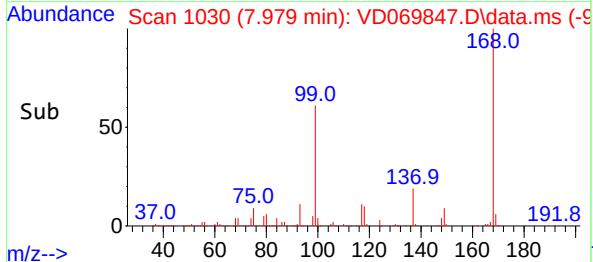
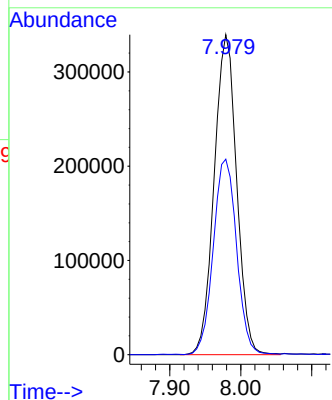
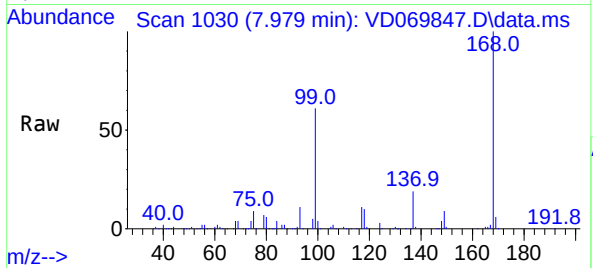




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

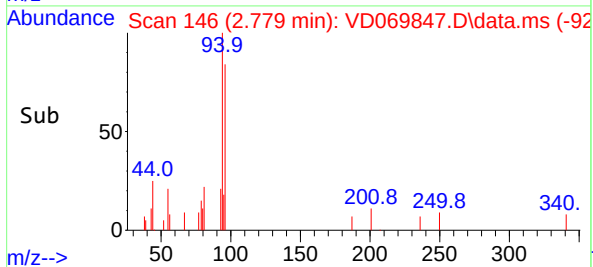
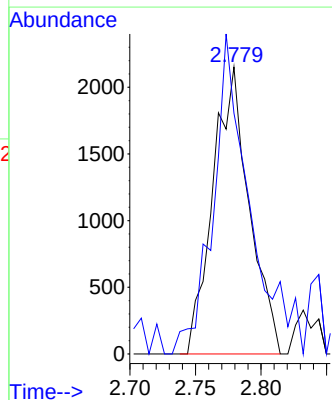
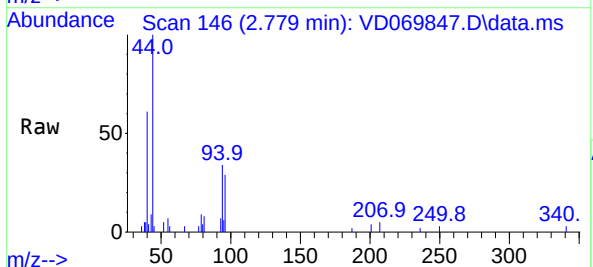
Instrument :
MSVOA_D
ClientSampled :

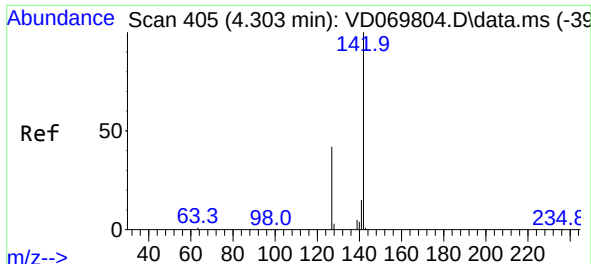
Tgt Ion:168 Resp: 744941
Ion Ratio Lower Upper
168 100
99 61.0 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

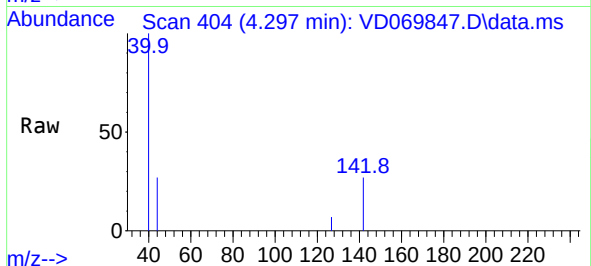
Tgt Ion: 94 Resp: 4159
Ion Ratio Lower Upper
94 100
96 76.1 74.8 112.2



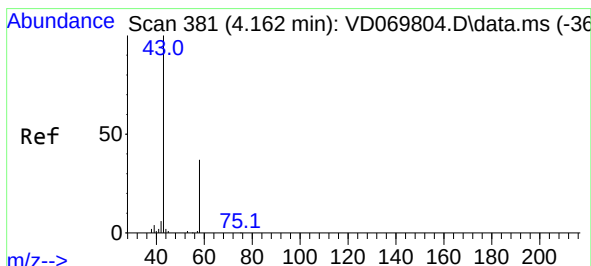
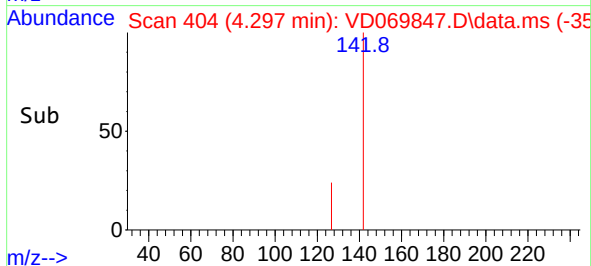
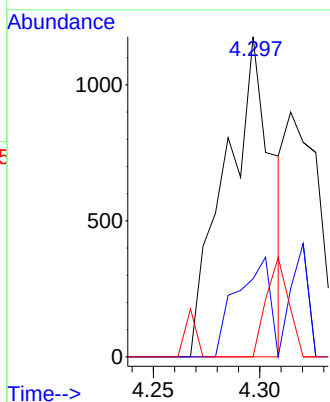


#10
Methyl Iodide
Concen: 3.642 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

Instrument :
MSVOA_D
ClientSampleId :

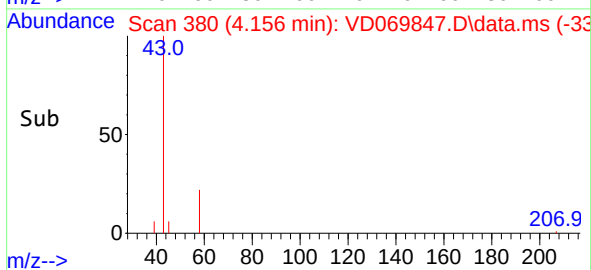
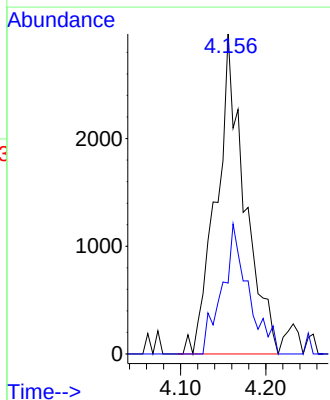
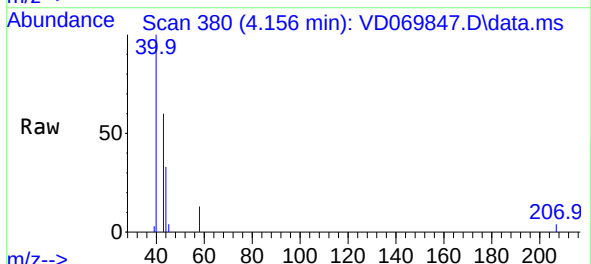


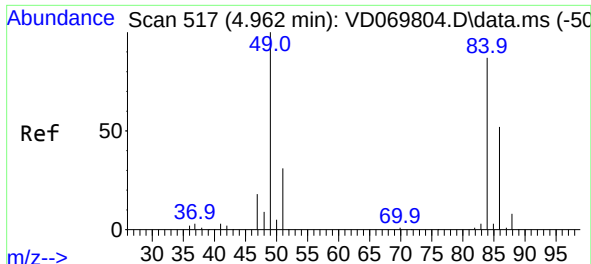
Tgt Ion:142 Resp: 1788
Ion Ratio Lower Upper
142 100
127 22.1 35.7 53.5#
141 14.8 12.0 18.0



#16
Acetone
Concen: 4.433 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

Tgt Ion: 43 Resp: 6861
Ion Ratio Lower Upper
43 100
58 22.1 29.4 44.0#



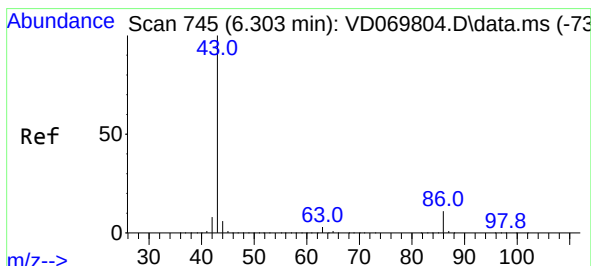
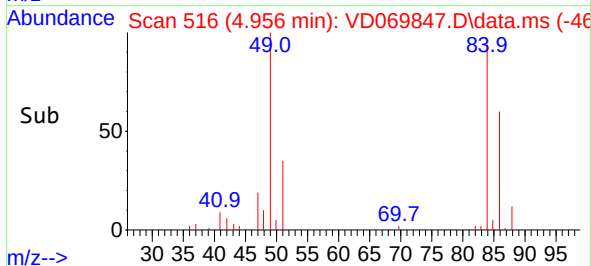
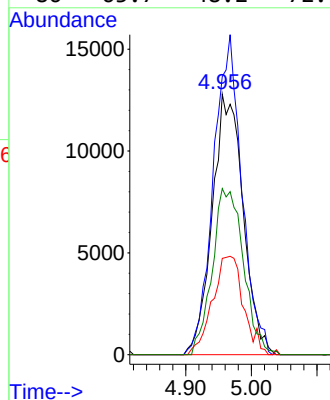
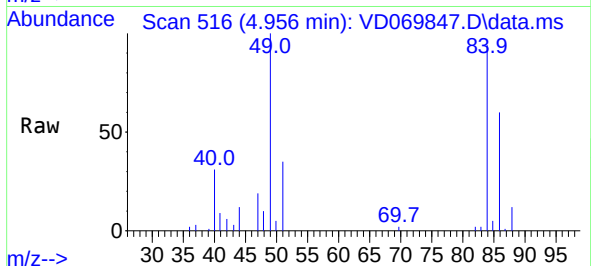


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 84 Resp: 41827

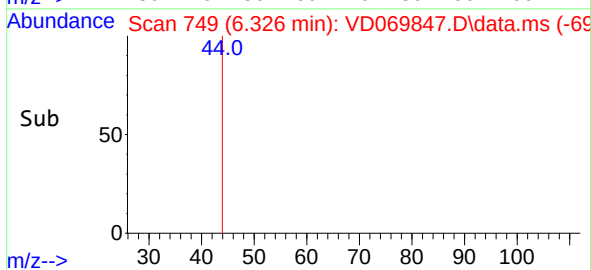
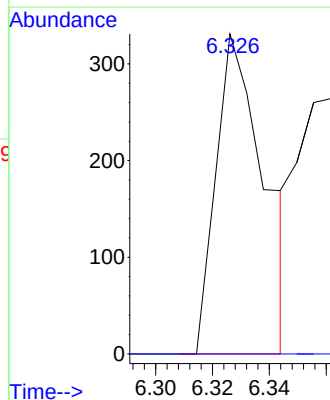
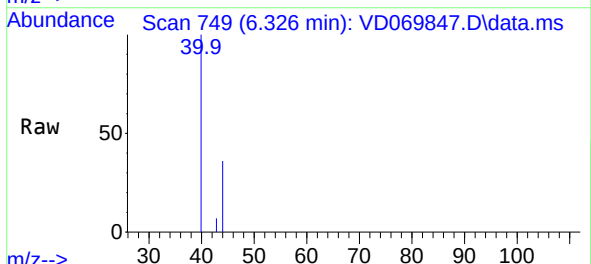
Ion	Ratio	Lower	Upper
84	100		
49	106.8	92.4	138.6
51	37.0	28.5	42.7
86	63.7	48.2	72.4

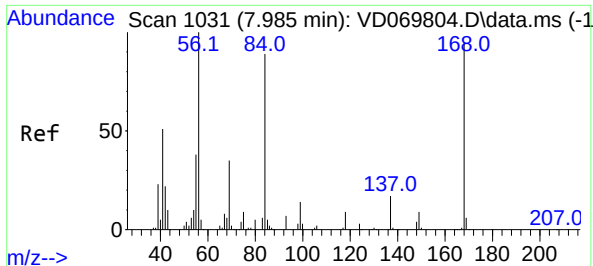


#23
Vinyl Acetate
Concen: 20.373 ug/l
RT: 6.326 min Scan# 749
Delta R.T. 0.023 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

Tgt Ion: 43 Resp: 389

Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

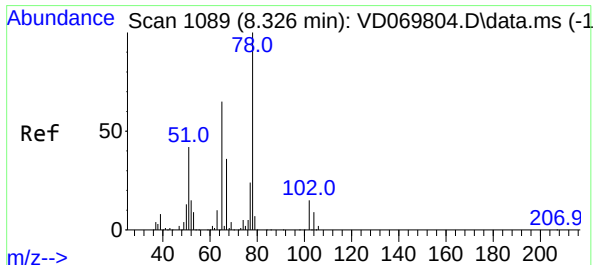
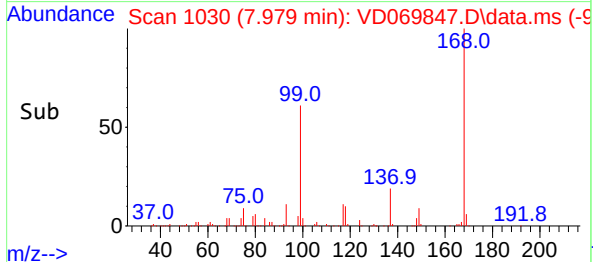
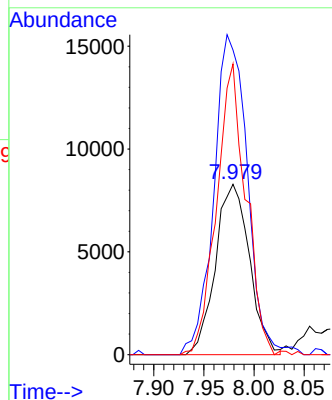
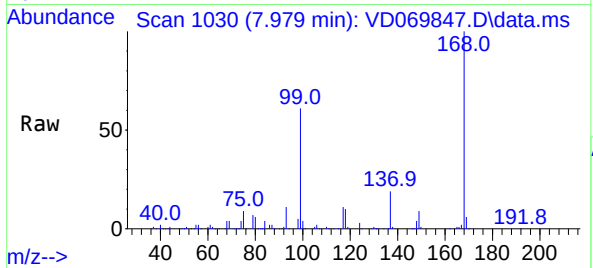




#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

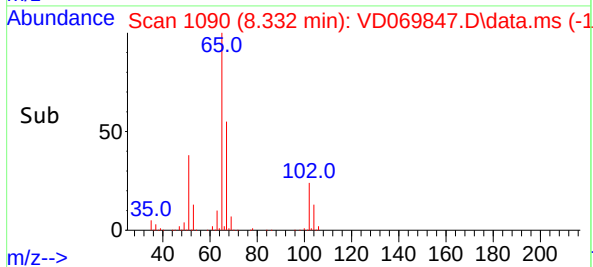
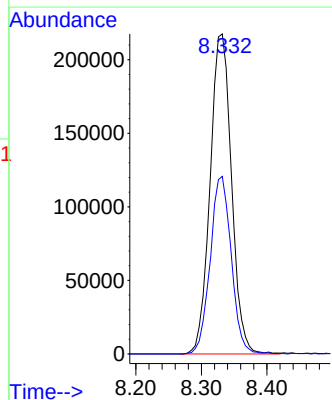
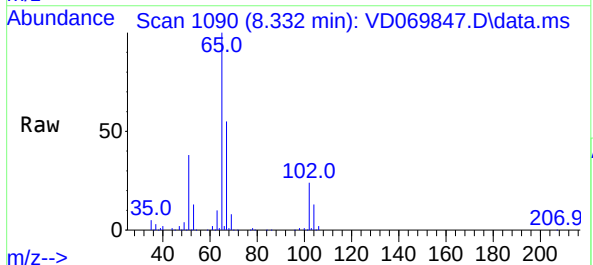
Instrument :
MSVOA_D
ClientSampleId :

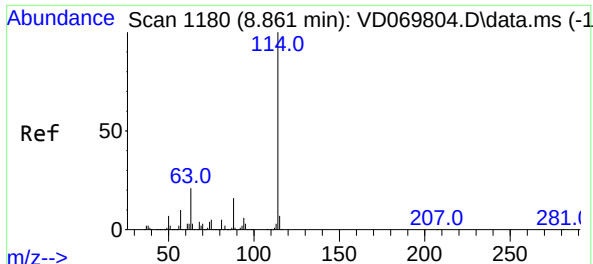
Tgt Ion: 56 Resp: 19588
Ion Ratio Lower Upper
56 100
69 178.9 27.9 41.9#
84 170.6 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 57.565 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

Tgt Ion: 65 Resp: 493186
Ion Ratio Lower Upper
65 100
67 54.6 0.0 111.2

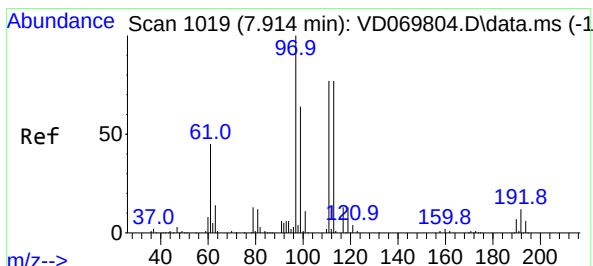
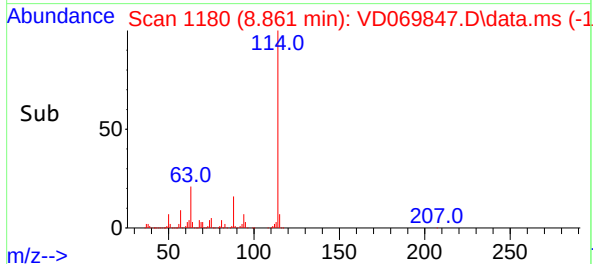
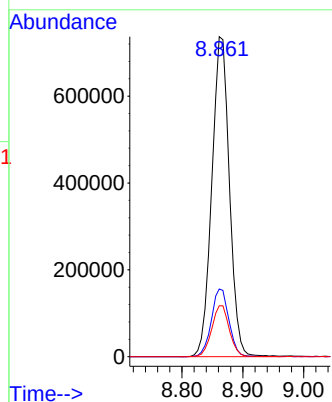
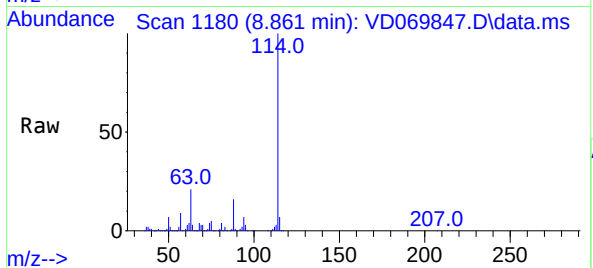




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

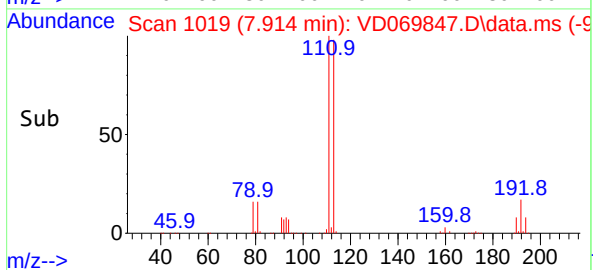
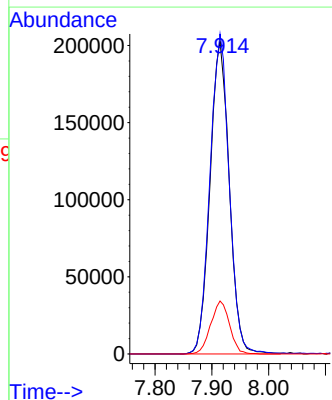
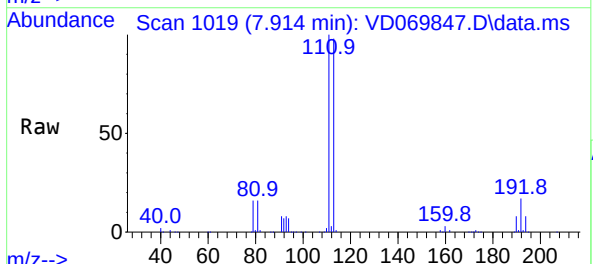
Instrument :
MSVOA_D
ClientSampled :

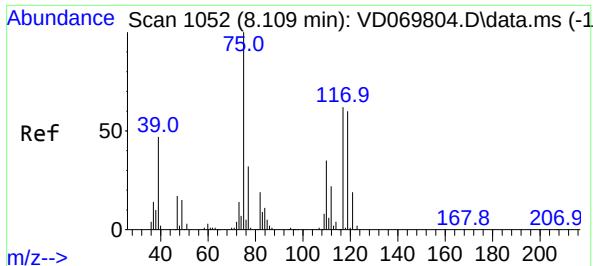
Tgt Ion:114 Resp: 1477163
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.6
88 15.9 0.0 31.4



#35
Dibromofluoromethane
Concen: 51.164 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

Tgt Ion:113 Resp: 476444
Ion Ratio Lower Upper
113 100
111 102.5 80.5 120.7
192 16.5 12.6 19.0

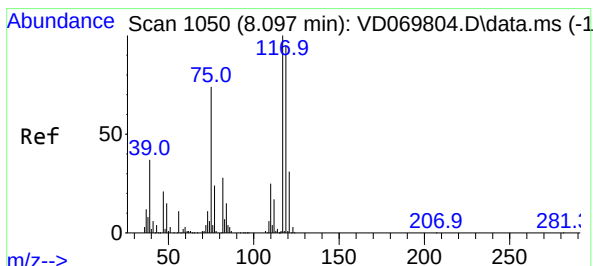
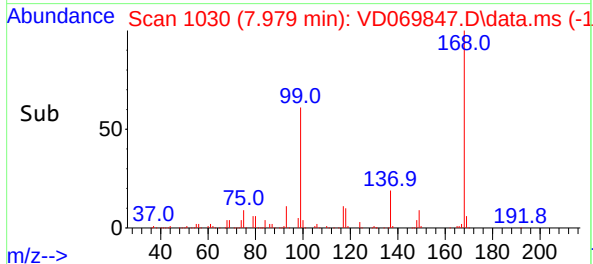
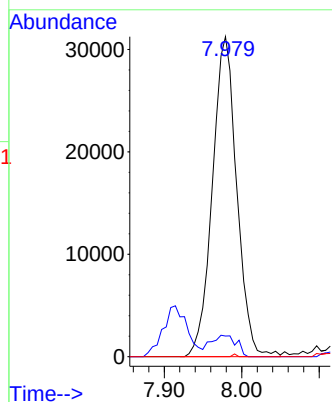
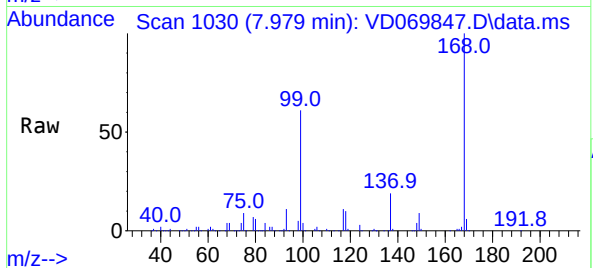




#36
1,1-Dichloropropene
Concen: 4.291 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

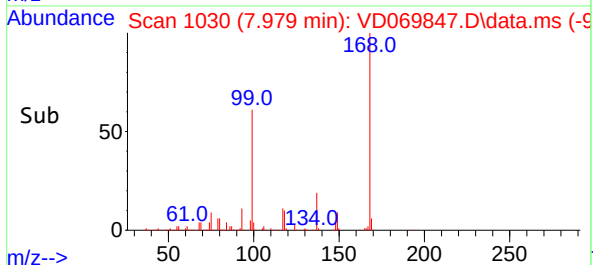
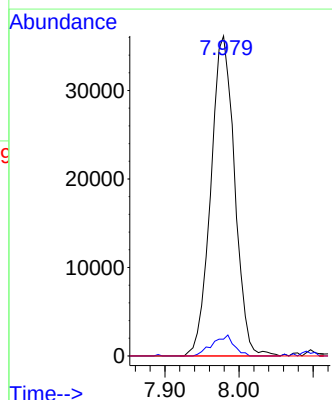
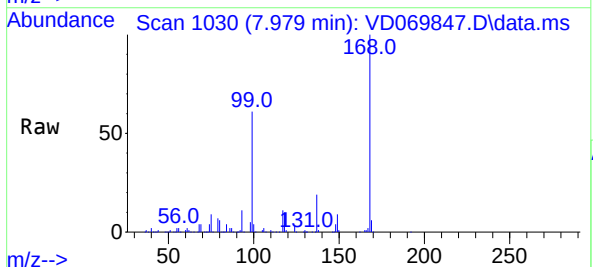
Instrument :
MSVOA_D
ClientSampled :

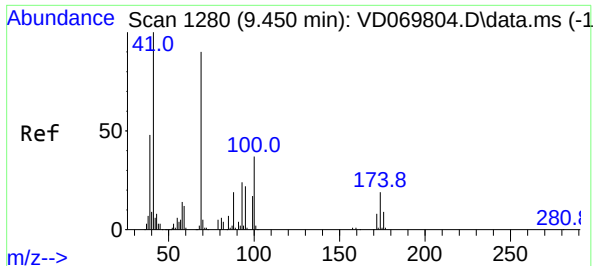
Tgt Ion: 75 Resp: 68397
Ion Ratio Lower Upper
75 100
110 7.0 16.9 50.7#
77 0.1 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.545 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

Tgt Ion: 117 Resp: 80736
Ion Ratio Lower Upper
117 100
119 5.2 76.2 114.2#
121 0.0 24.5 36.7#

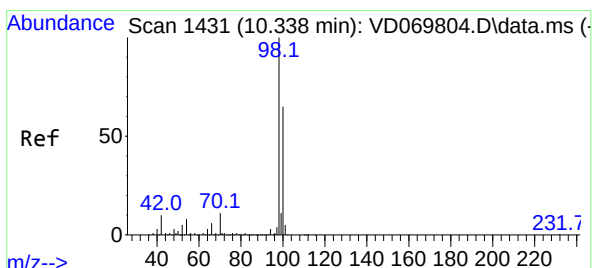
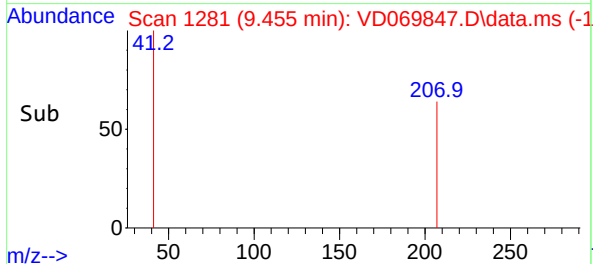
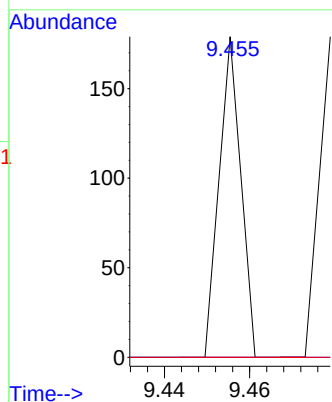
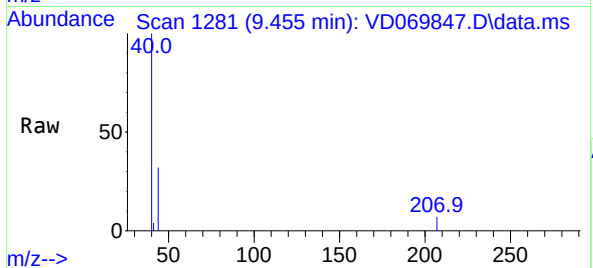




#48
Methyl methacrylate
Concen: 2.758 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. 0.005 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

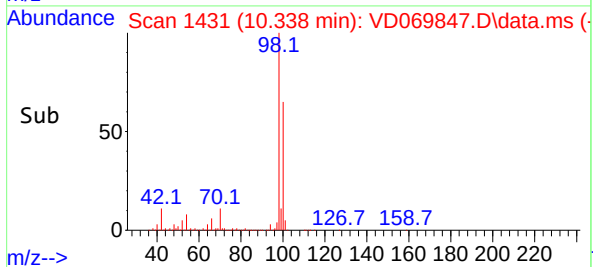
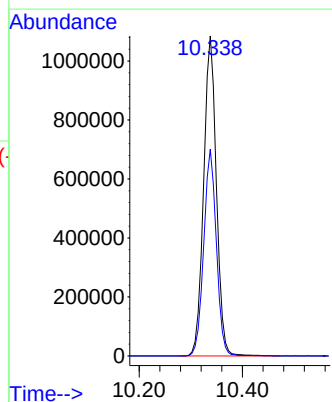
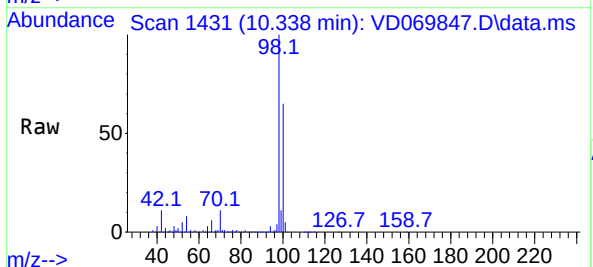
Instrument :
MSVOA_D
ClientSampled :

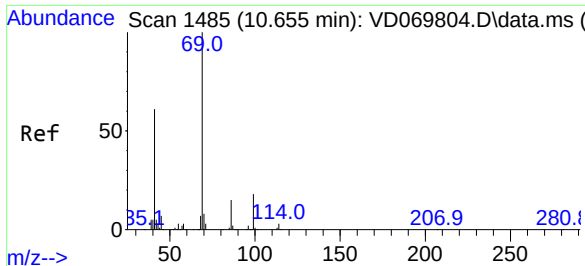
Tgt Ion: 41 Resp: 63
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 51.717 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

Tgt Ion: 98 Resp: 1856972
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9

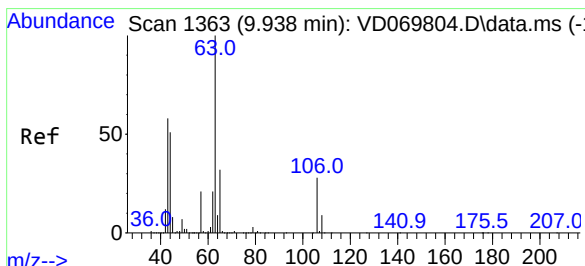
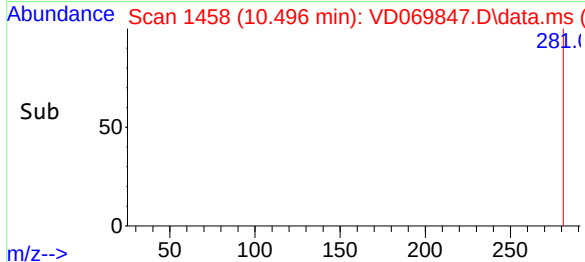
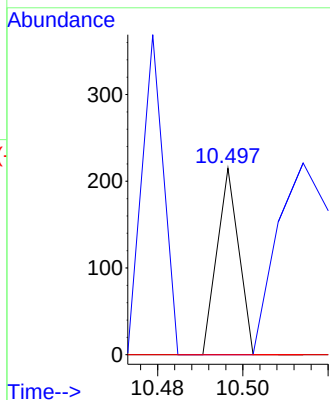
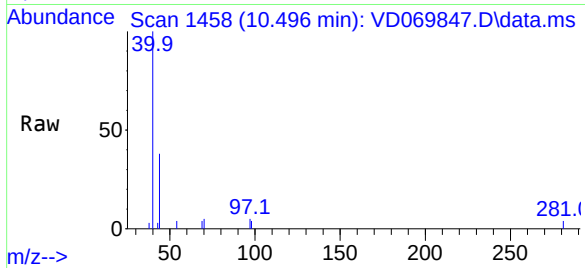




#56
Ethyl methacrylate
Concen: 3.903 ug/l
RT: 10.496 min Scan# 1458
Delta R.T. -0.159 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

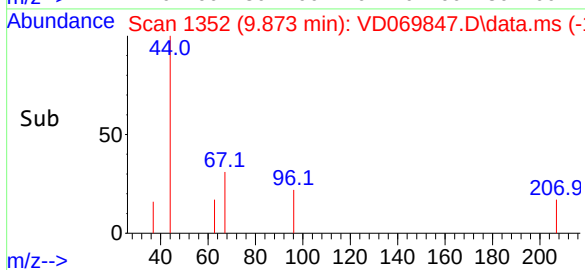
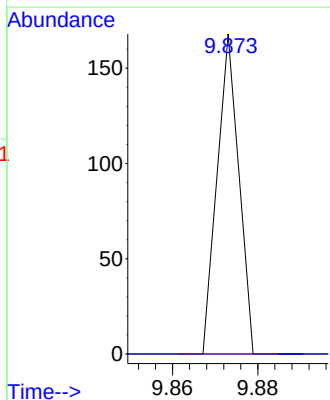
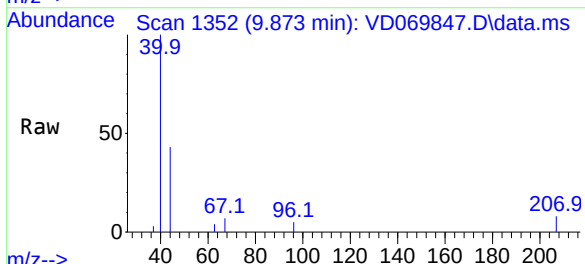
Instrument :
MSVOA_D
ClientSampleId :

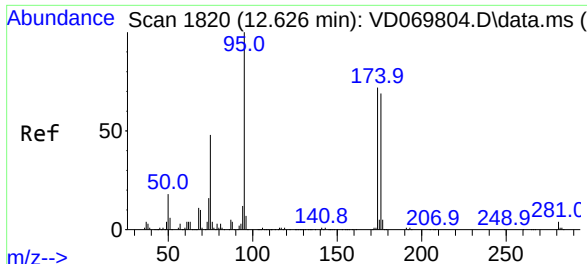
Tgt Ion:	69	Resp:	76
Ion	Ratio	Lower	Upper
69	100		
41	171.1	50.2	75.2#
39	0.0	22.0	33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.882 ug/l
RT: 9.873 min Scan# 1352
Delta R.T. -0.065 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

Tgt Ion:	63	Resp:	59
Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.8	32.6#

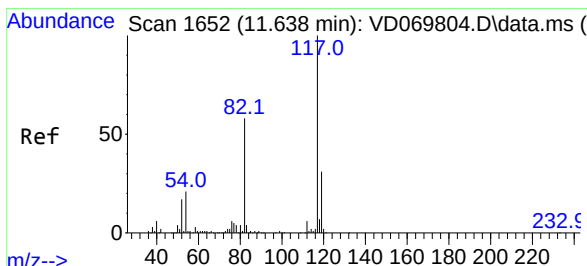
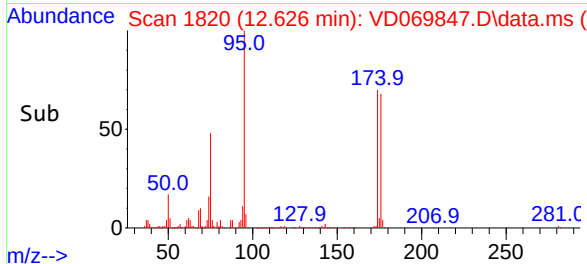
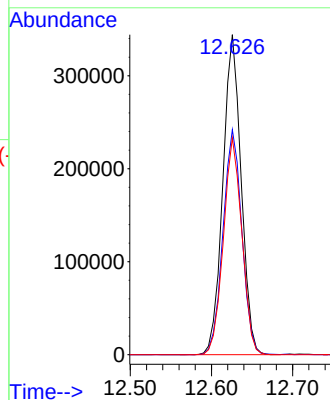
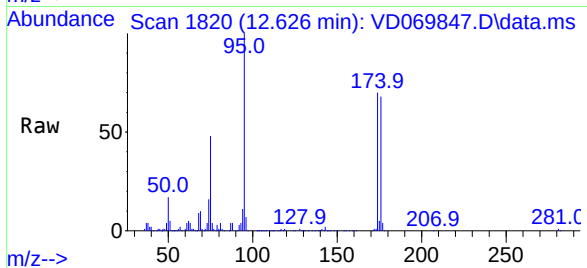




#62
4-Bromofluorobenzene
Concen: 44.916 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

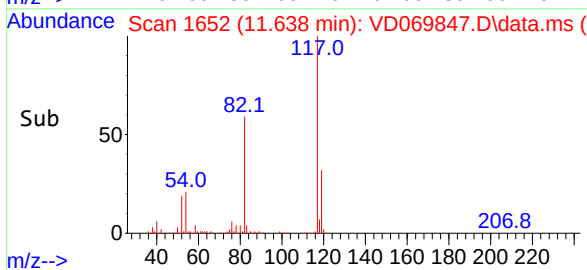
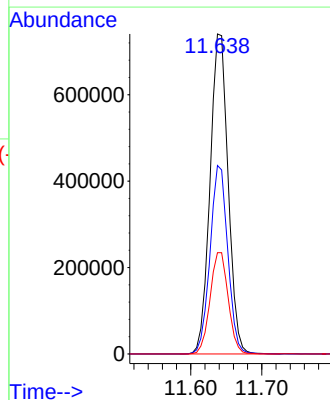
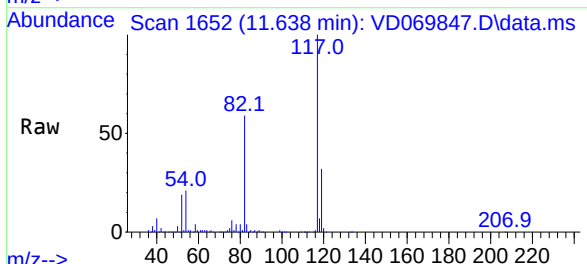
Instrument :
MSVOA_D
ClientSampleId :

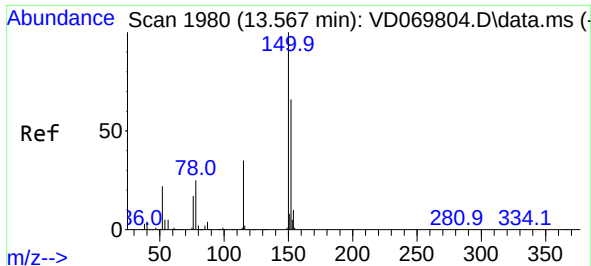
Tgt Ion: 95 Resp: 538994
Ion Ratio Lower Upper
95 100
174 72.3 0.0 142.6
176 68.5 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

Tgt Ion: 117 Resp: 1306599
Ion Ratio Lower Upper
117 100
82 58.9 46.3 69.5
119 31.7 24.7 37.1

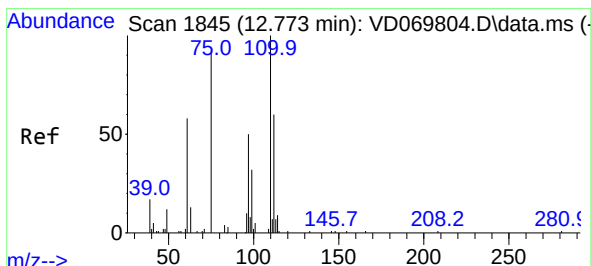
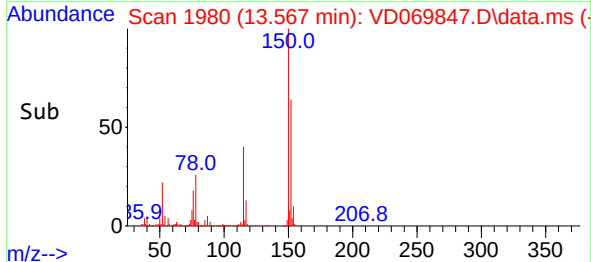
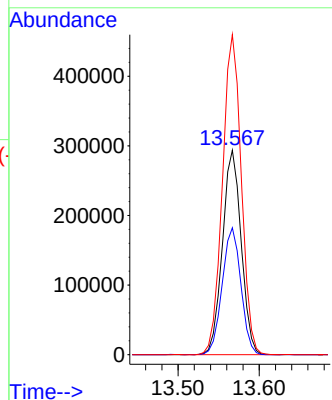
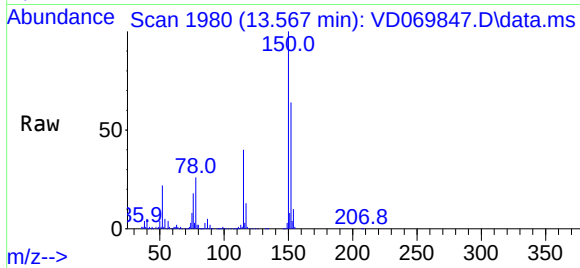




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

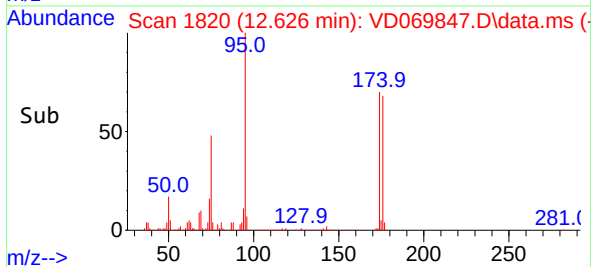
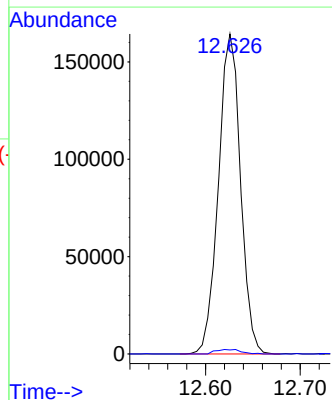
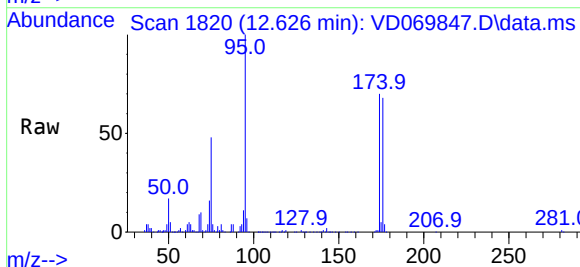
Instrument :
MSVOA_D
ClientSampled :

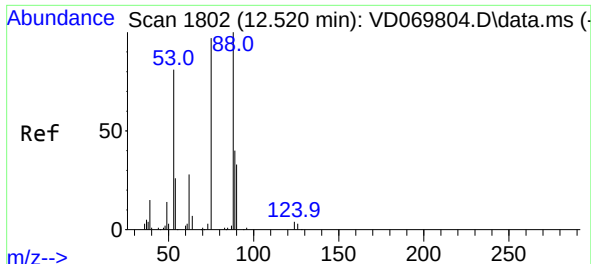
Tgt Ion:152 Resp: 471708
Ion Ratio Lower Upper
152 100
115 62.0 31.1 93.3
150 157.3 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 53.113 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

Tgt Ion: 75 Resp: 266306
Ion Ratio Lower Upper
75 100
77 1.6 181.5 544.5#

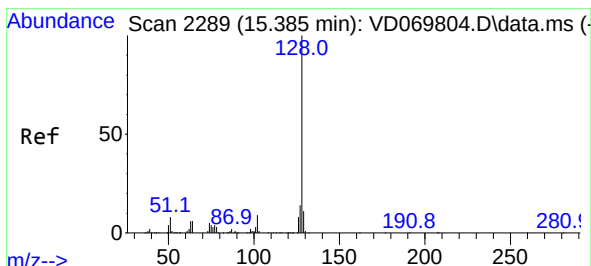
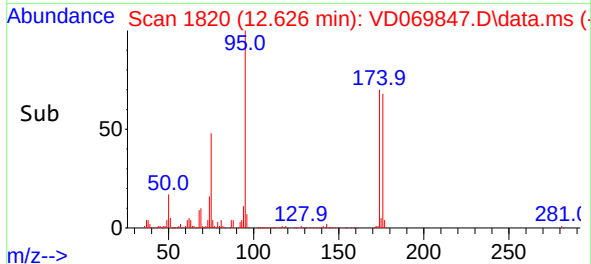
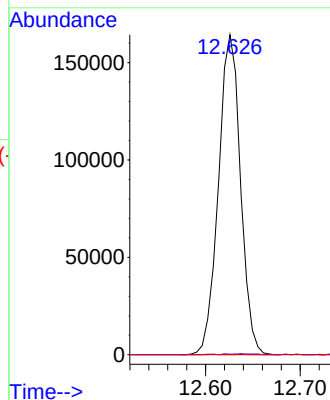
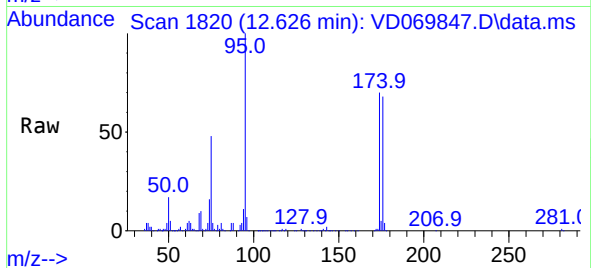




#81
trans-1,4-Dichloro-2-butene
Concen: 161.132 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 266306
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.139 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD069847.D
Acq: 26 Jul 2021 14:58

Tgt Ion:128 Resp: 2412
Ion Ratio Lower Upper
128 100
127 8.6 10.6 16.0#
129 9.1 8.6 12.8

