

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080421\
 Data File : VD069991.D
 Acq On : 04 Aug 2021 17:38
 Operator : VA/SY
 Sample : M3279-09
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20210589-AMENDED-COM-3

Quant Time: Aug 05 03:12:49 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)

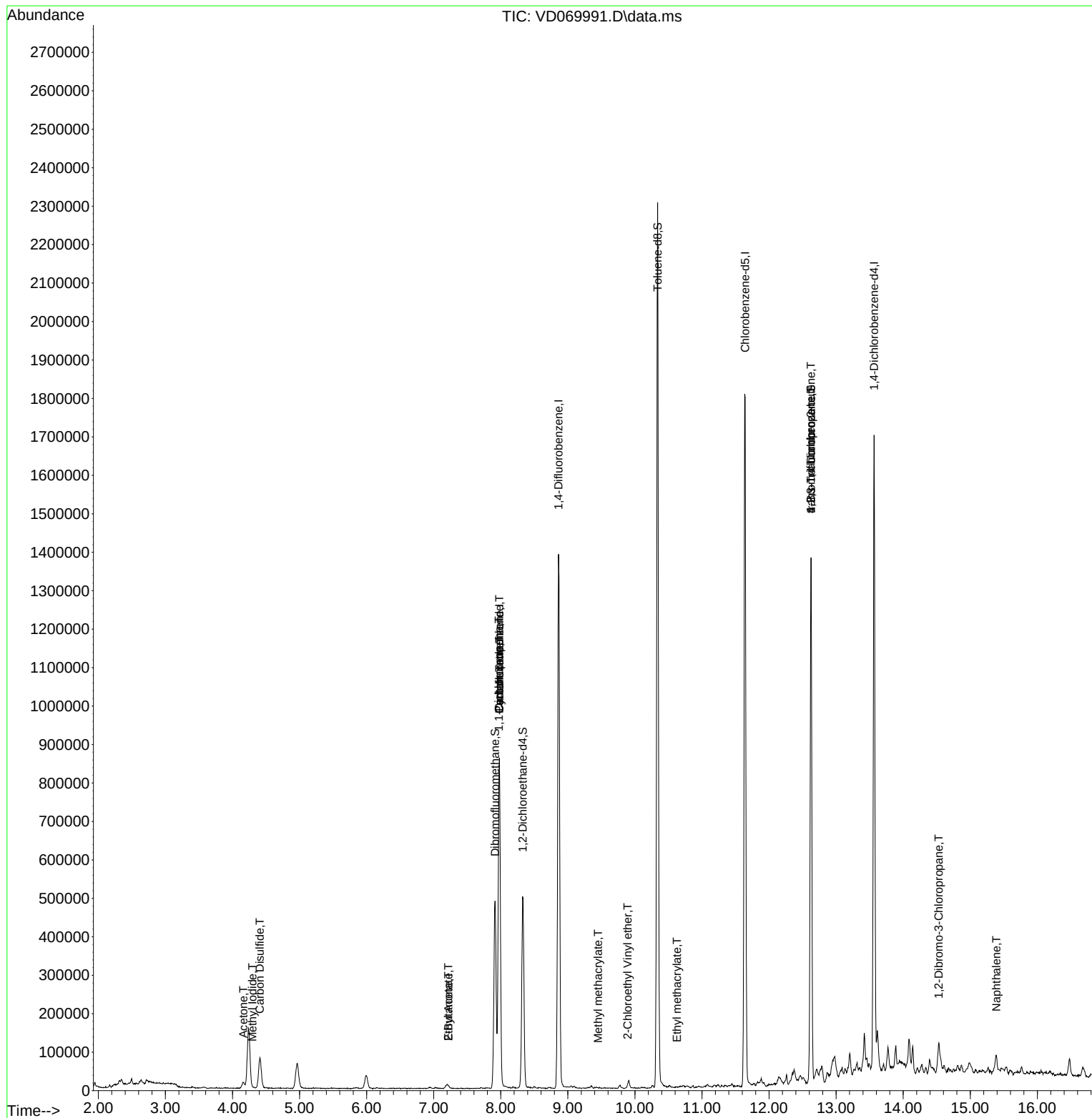
Internal Standards						
1) Pentafluorobenzene	7.979	168	611893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1206286	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	1082636	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	435614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	393893	55.972	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.940%			
35) Dibromofluoromethane	7.914	113	367210	48.289	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.580%			
50) Toluene-d8	10.337	98	1543604	52.643	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.280%			
62) 4-Bromofluorobenzene	12.625	95	485970	49.591	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 99.180%			
Target Compounds					Qvalue	
5) Bromomethane	2.773	94	2405	Below Cal		93
10) Methyl Iodide	4.296	142	206	3.488 ug/l #		57
16) Acetone	4.161	43	26311	20.697 ug/l		91
17) Carbon Disulfide	4.408	76	173147	6.917 ug/l		100
20) Methylene Chloride	4.961	84	52910	Below Cal		94
25) 2-Butanone	7.220	43	6529	3.787 ug/l		94
31) Cyclohexane	7.979	56	16084	1.170 ug/l #		1
36) 1,1-Dichloropropene	7.973	75	54251	4.167 ug/l #		50
37) Ethyl Acetate	7.220	43	6529	1.378 ug/l #		68
38) Carbon Tetrachloride	7.979	117	69100	5.811 ug/l #		16
48) Methyl methacrylate	9.449	41	515	2.854 ug/l #		17
56) Ethyl methacrylate	10.626	69	352	3.934 ug/l #		17
58) 2-Chloroethyl Vinyl ether	9.890	63	63	20.886 ug/l #		48
76) 1,2,3-Trichloropropane	12.625	75	237898	51.379 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.625	75	237898	155.870 ug/l #		17
92) 1,2-Dibromo-3-Chloropr...	14.531	75	19988	22.207 ug/l #		7
95) Naphthalene	15.390	128	40593	7.565 ug/l		96

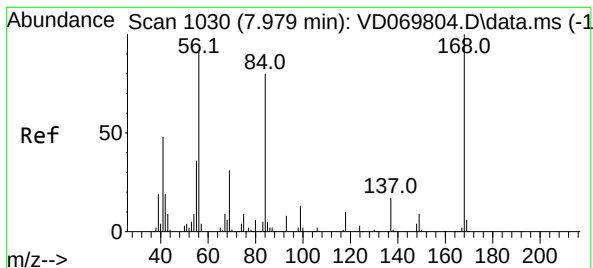
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD069991.D

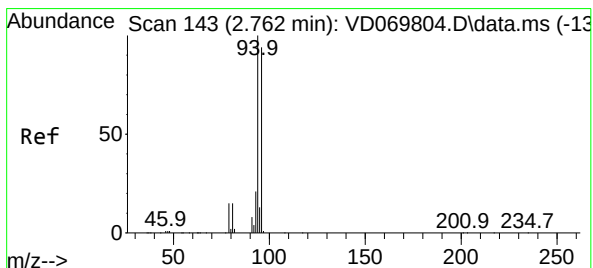
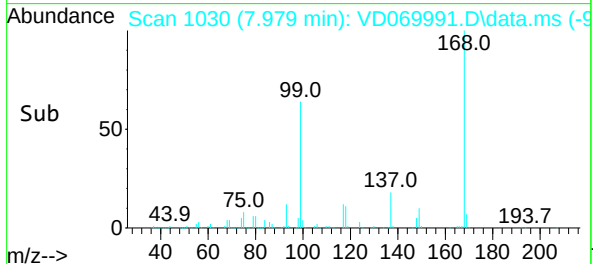
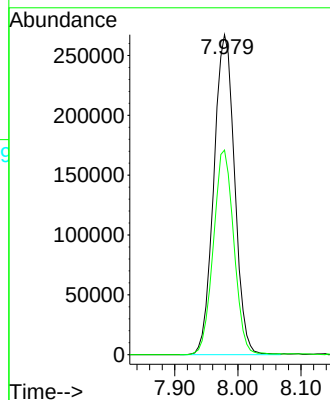
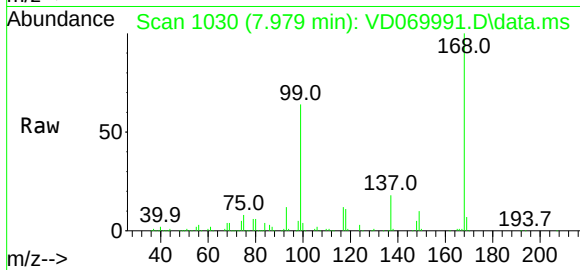
Acq: 04 Aug 2021 17:38

Tgt Ion:168 Resp: 611893

Ion Ratio Lower Upper

168 100

99 63.9 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.011 min

Lab File: VD069991.D

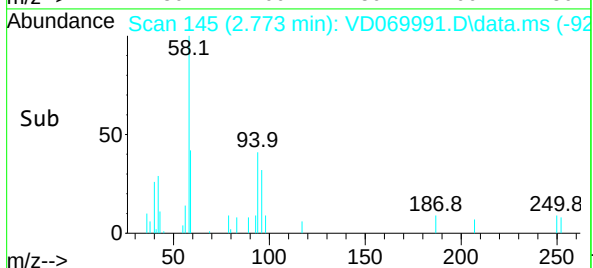
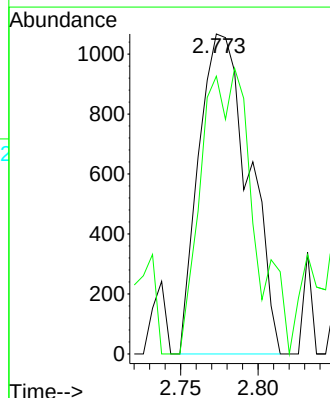
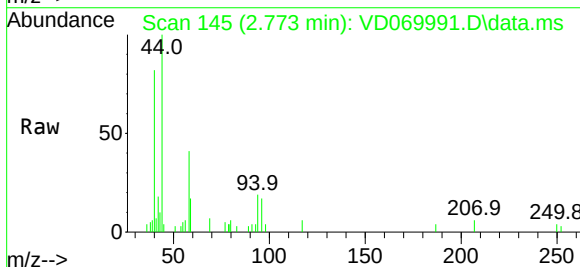
Acq: 04 Aug 2021 17:38

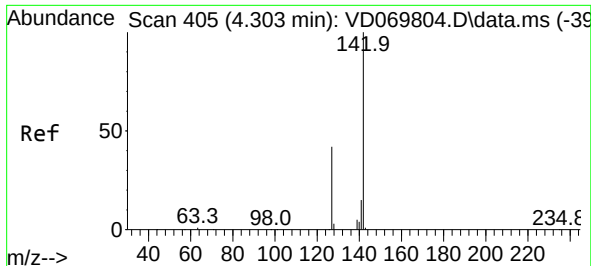
Tgt Ion: 94 Resp: 2405

Ion Ratio Lower Upper

94 100

96 86.8 74.8 112.2

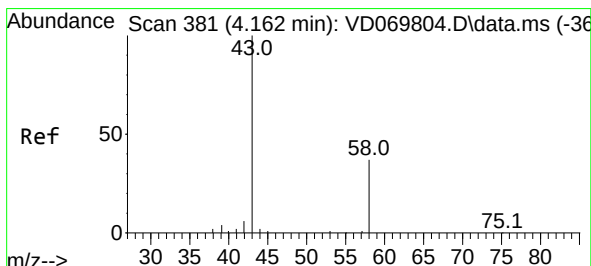
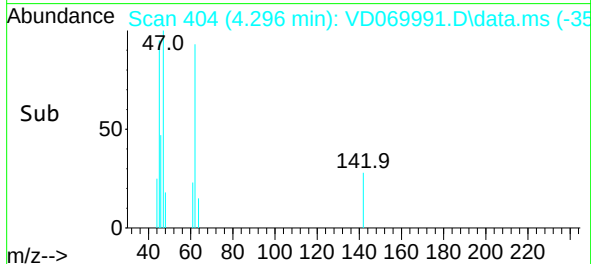
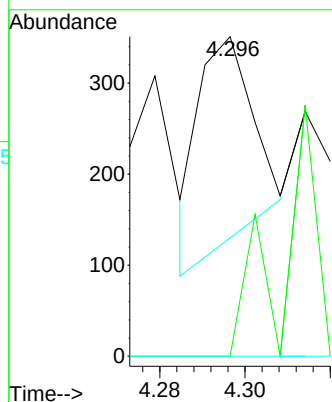
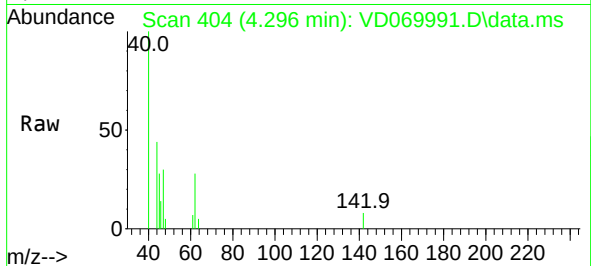




#10
Methyl Iodide
Concen: 3.488 ug/l
RT: 4.296 min Scan# 404
Delta R.T. -0.007 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

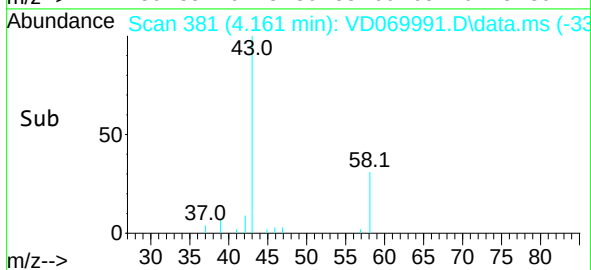
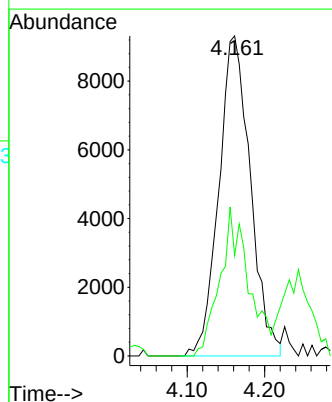
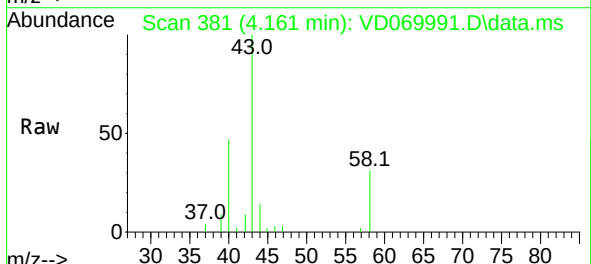
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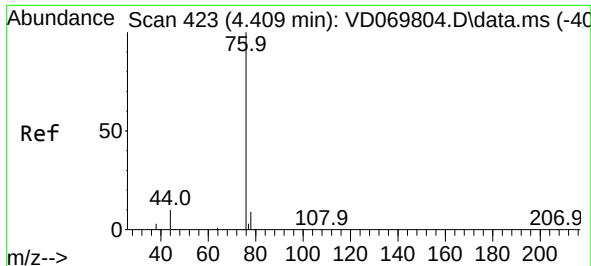
Tgt Ion:142 Resp: 206
Ion Ratio Lower Upper
142 100
127 73.8 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 20.697 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

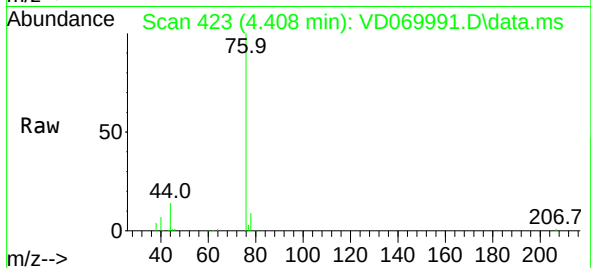
Tgt Ion: 43 Resp: 26311
Ion Ratio Lower Upper
43 100
58 31.4 29.4 44.0



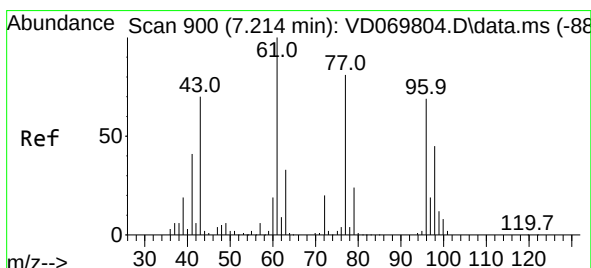
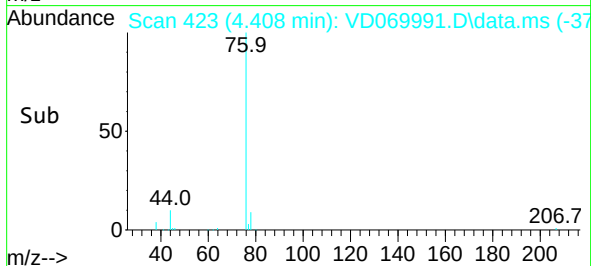
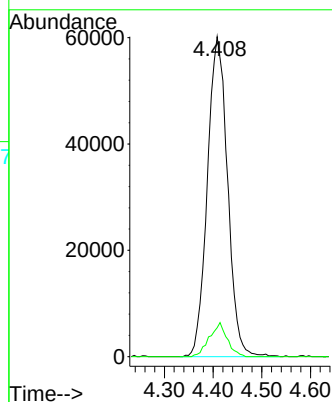


#17
Carbon Disulfide
Concen: 6.917 ug/l
RT: 4.408 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

Instrument :
MSVOA_D
ClientSampleId :
20210589-AMENDED-COM-3

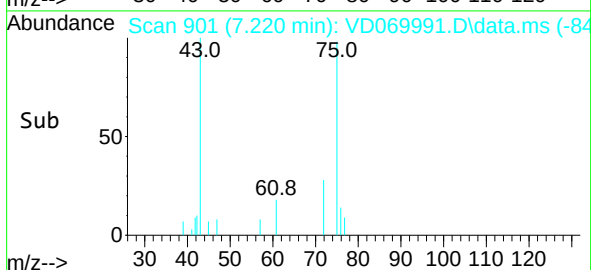
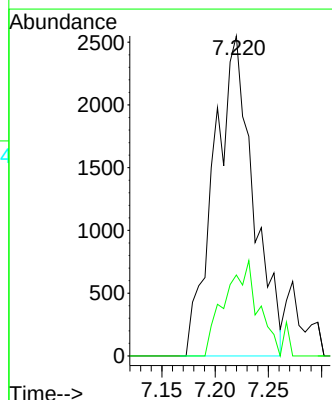
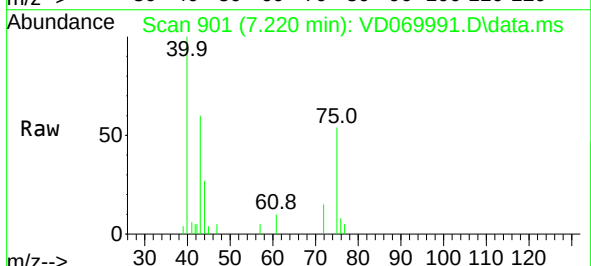


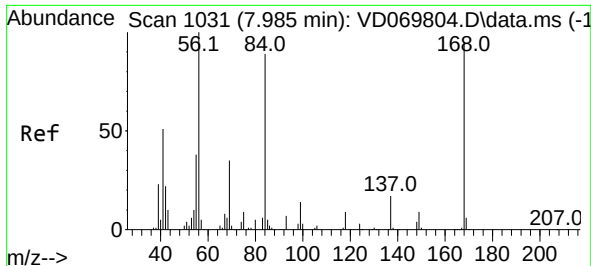
Tgt Ion: 76 Resp: 173147
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#25
2-Butanone
Concen: 3.787 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.005 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

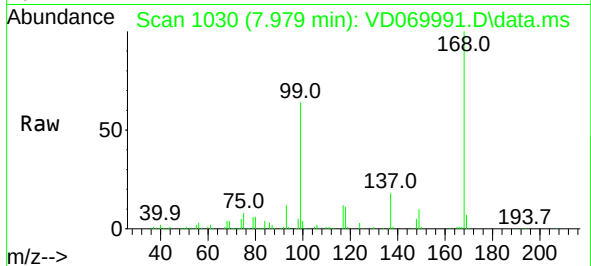
Tgt Ion: 43 Resp: 6529
Ion Ratio Lower Upper
43 100
72 25.3 22.8 34.2



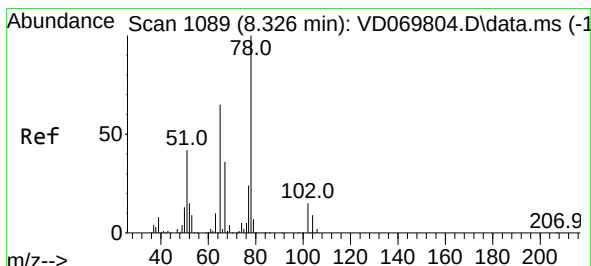
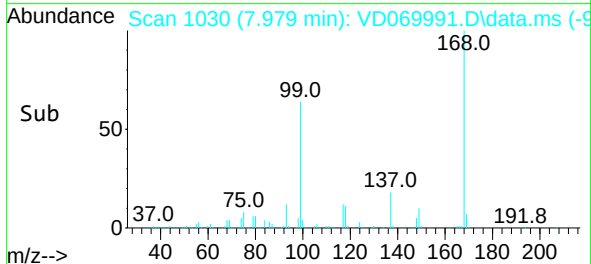
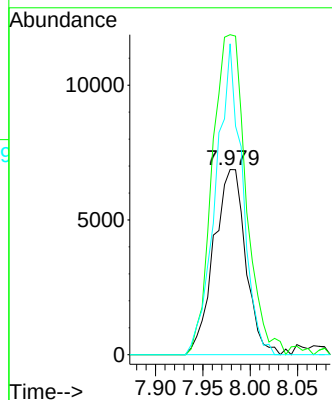


#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

Instrument :
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ClientSampleId :
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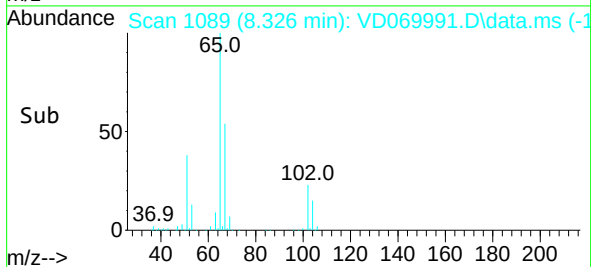
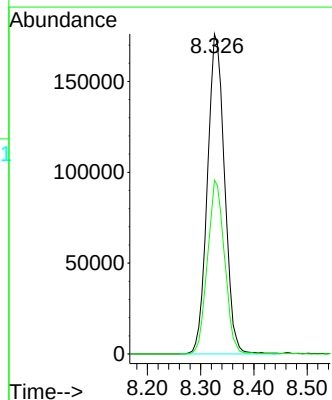
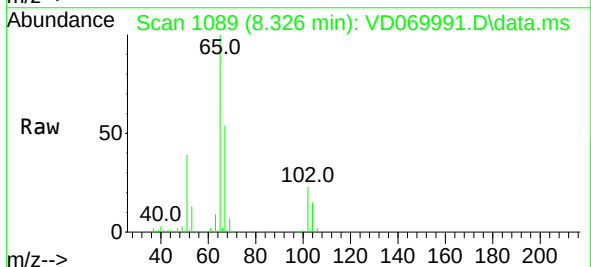


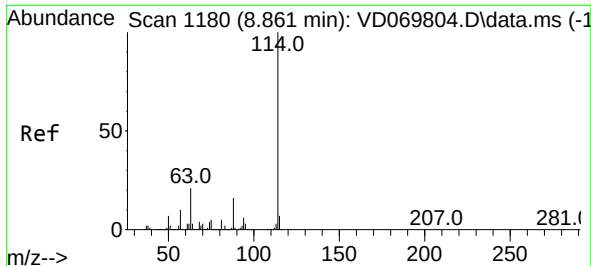
Tgt Ion: 56 Resp: 16084
Ion Ratio Lower Upper
56 100
69 172.8 27.9 41.9#
84 167.9 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 55.972 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

Tgt Ion: 65 Resp: 393893
Ion Ratio Lower Upper
65 100
67 54.0 0.0 111.2



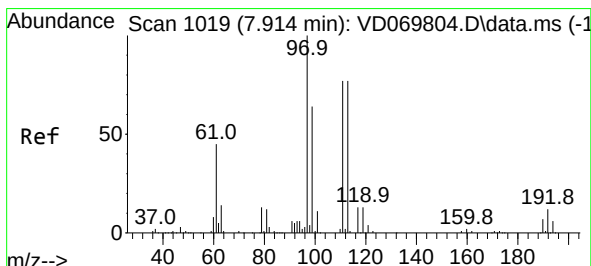
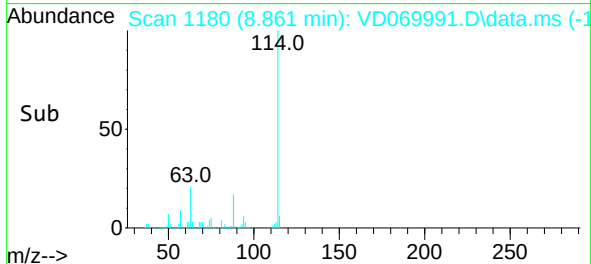
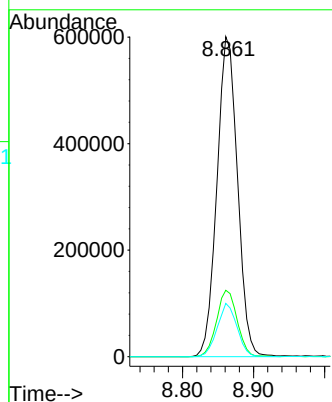
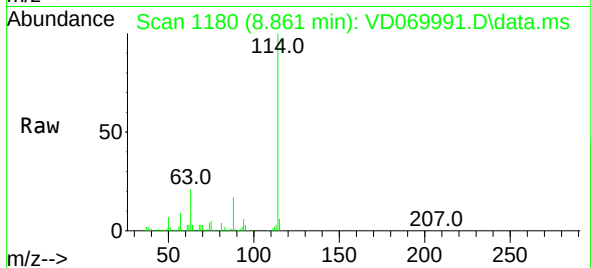


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

Instrument :
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ClientSampleId :
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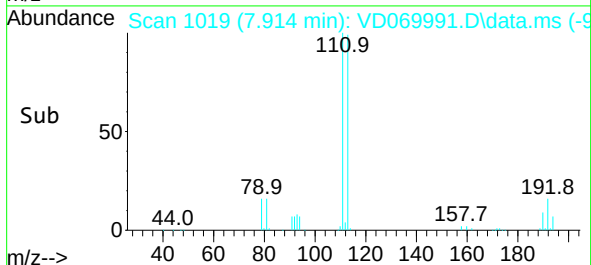
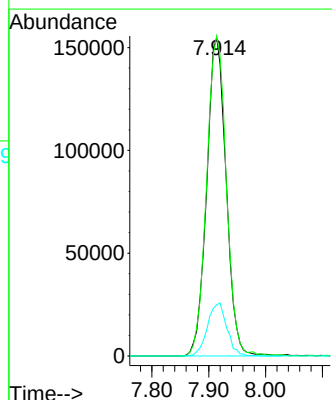
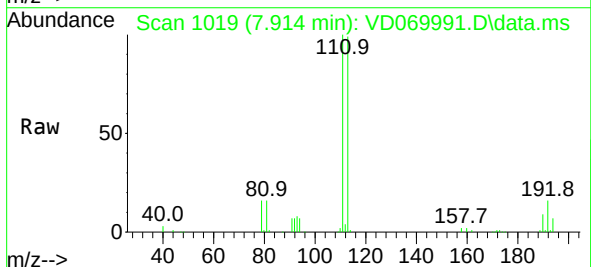
Tgt Ion:114 Resp: 1206286
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.6
88 16.7 0.0 31.4

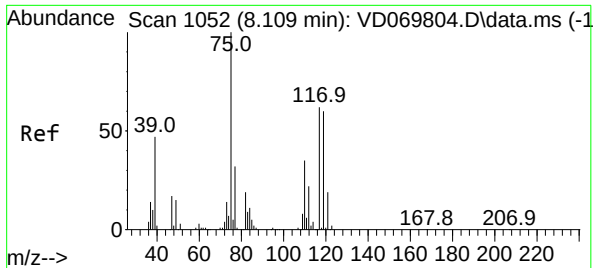


#35

Dibromofluoromethane
Concen: 48.289 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

Tgt Ion:113 Resp: 367210
Ion Ratio Lower Upper
113 100
111 102.0 80.5 120.7
192 16.6 12.6 19.0

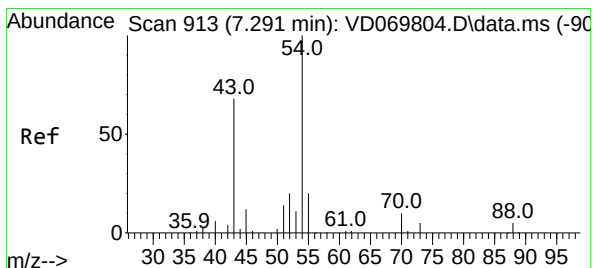
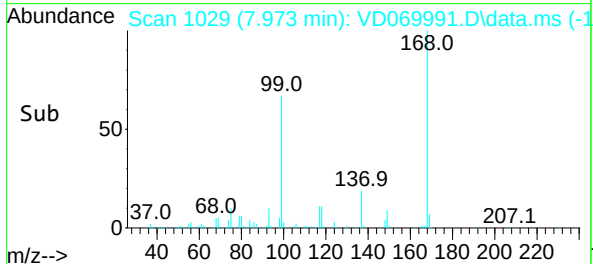
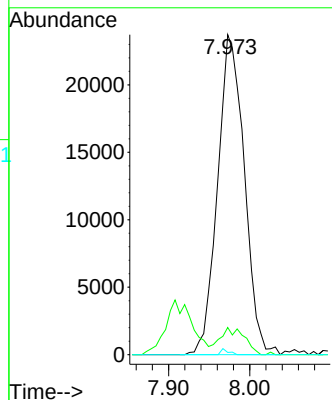
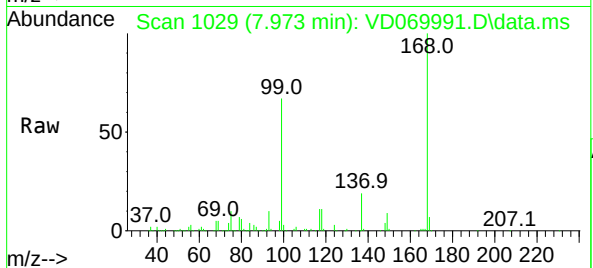




#36
1,1-Dichloropropene
Concen: 4.167 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.136 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

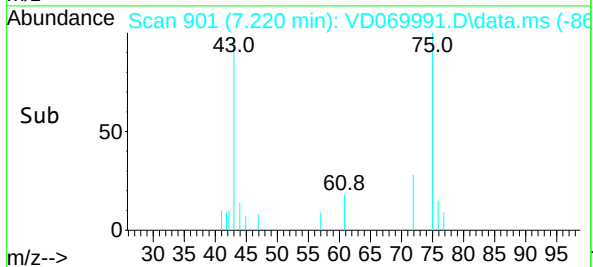
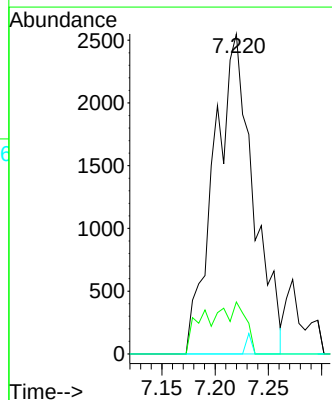
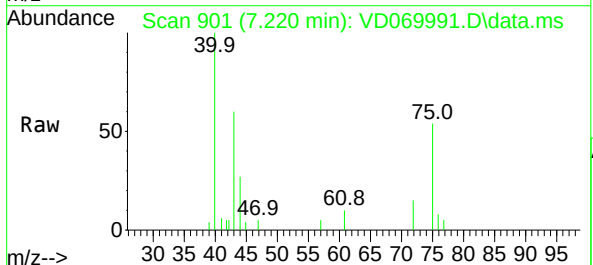
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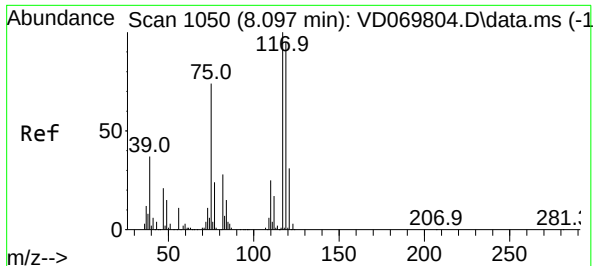
Tgt Ion: 75 Resp: 54251
Ion Ratio Lower Upper
75 100
110 7.9 16.9 50.7#
77 0.5 24.9 37.3#



#37
Ethyl Acetate
Concen: 1.378 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.071 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

Tgt Ion: 43 Resp: 6529
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.9 8.9 13.3#

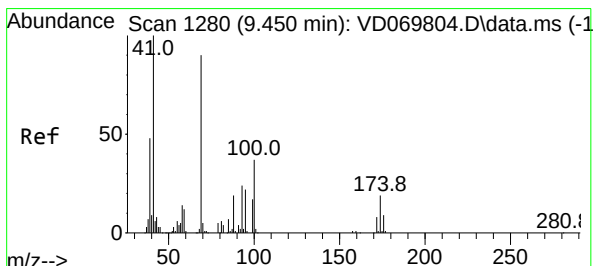
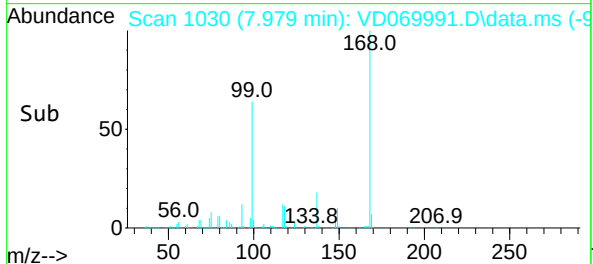
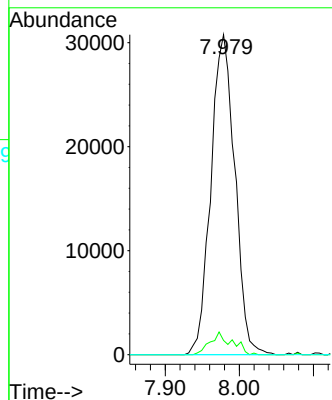
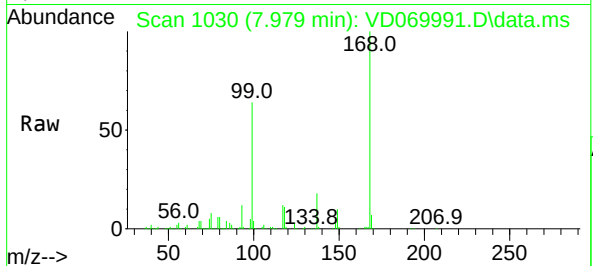




#38
Carbon Tetrachloride
Concen: 5.811 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

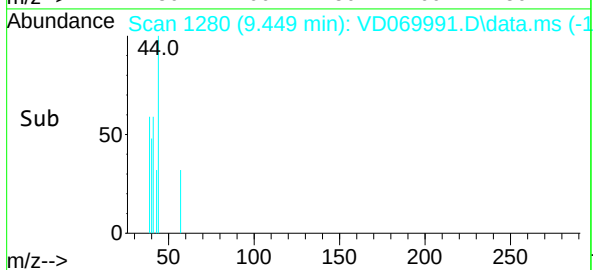
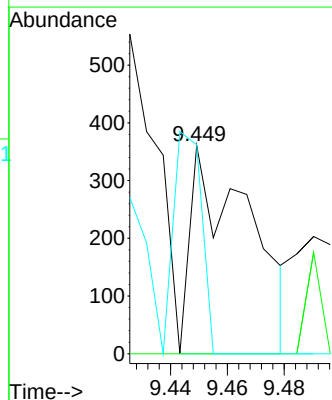
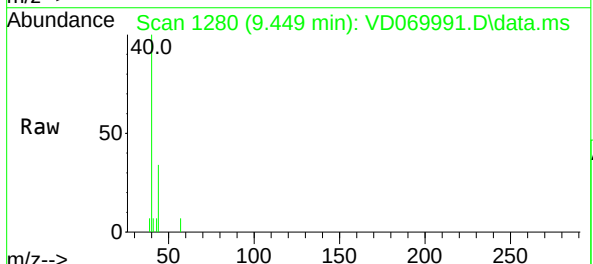
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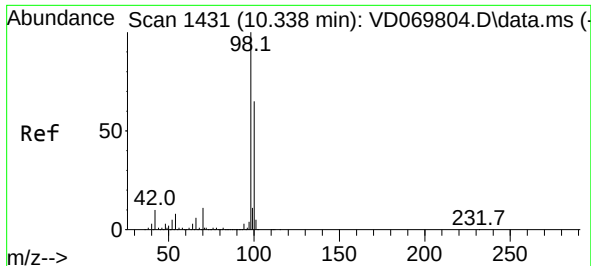
Tgt Ion:117 Resp: 69100
Ion Ratio Lower Upper
117 100
119 4.4 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.854 ug/l
RT: 9.449 min Scan# 1280
Delta R.T. -0.001 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

Tgt Ion: 41 Resp: 515
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 82.9 36.6 55.0#

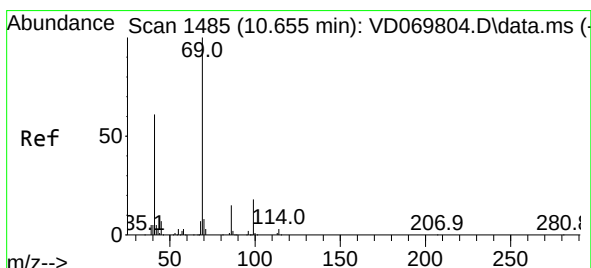
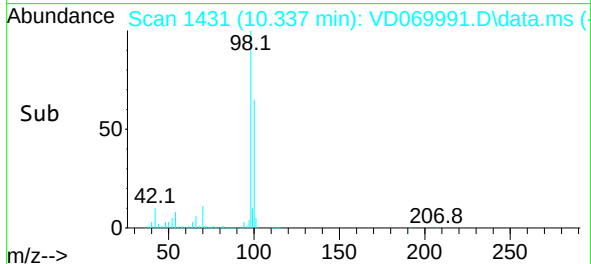
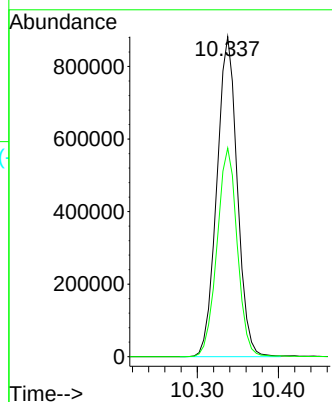
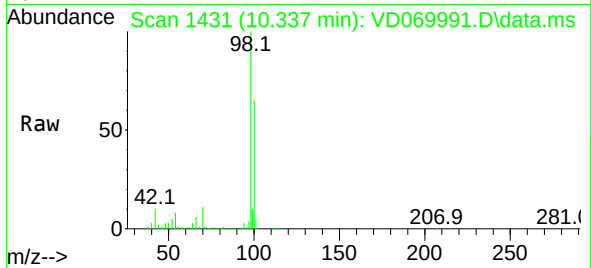




#50
Toluene-d8
Concen: 52.643 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

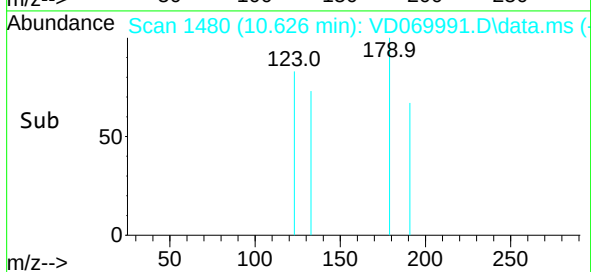
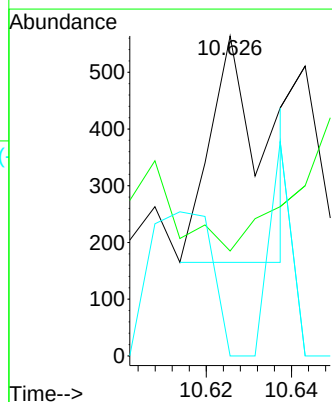
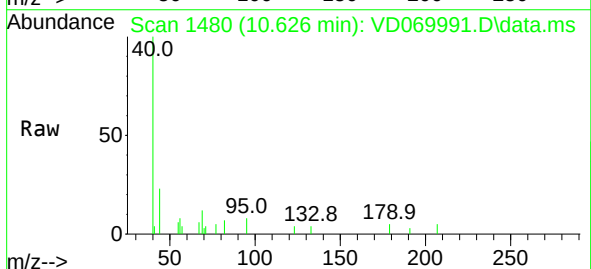
Instrument :
MSVOA_D
ClientSampleId :
20210589-AMENDED-COM-3

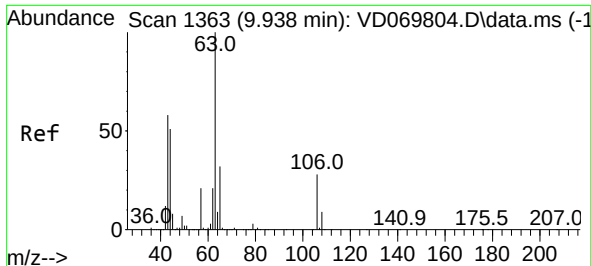
Tgt Ion: 98 Resp: 1543604
Ion Ratio Lower Upper
98 100
100 64.6 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.934 ug/l
RT: 10.626 min Scan# 1480
Delta R.T. -0.029 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

Tgt Ion: 69 Resp: 352
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 73.6 22.0 33.0#

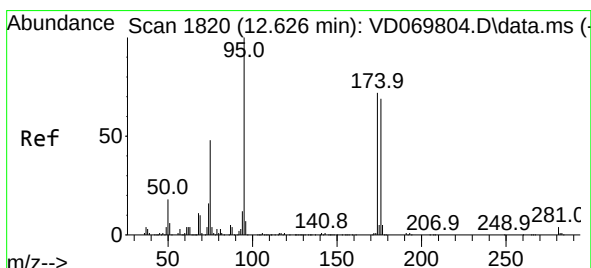
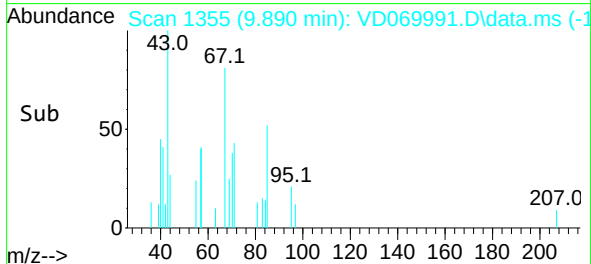
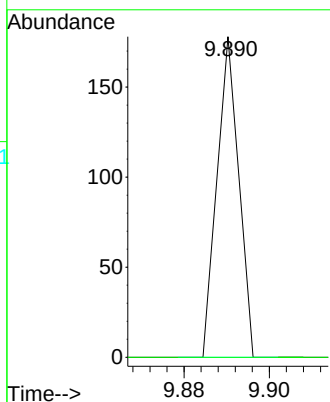
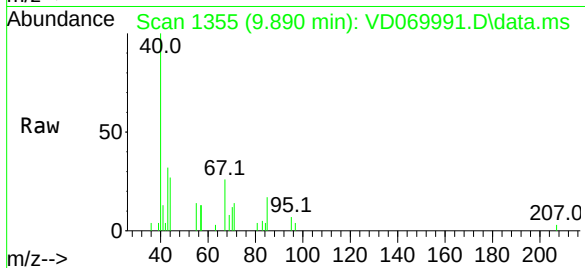




#58
2-Chloroethyl Vinyl ether
Concen: 20.886 ug/l
RT: 9.890 min Scan# 1355
Delta R.T. -0.048 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

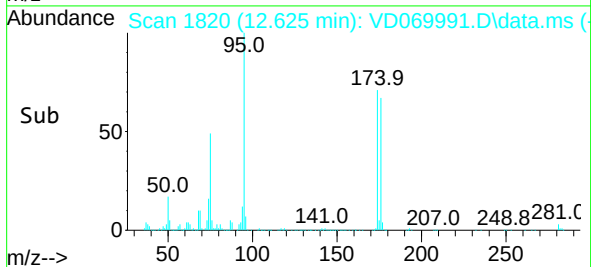
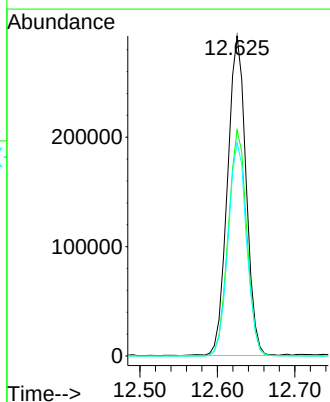
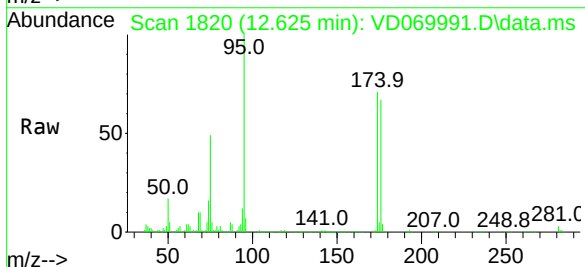
Instrument :
MSVOA_D
ClientSampleId :
20210589-AMENDED-COM-3

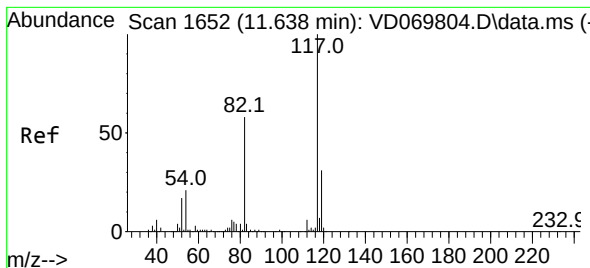
Tgt Ion: 63 Resp: 63
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 49.591 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

Tgt Ion: 95 Resp: 485970
Ion Ratio Lower Upper
95 100
174 70.6 0.0 142.6
176 66.6 0.0 134.2

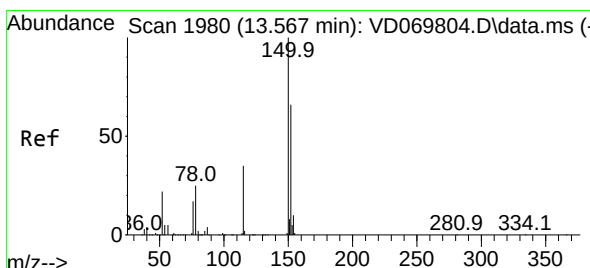
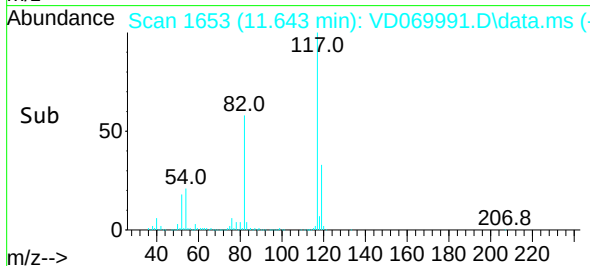
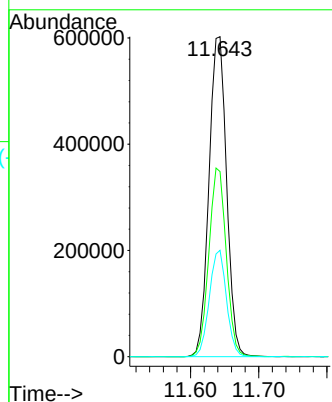
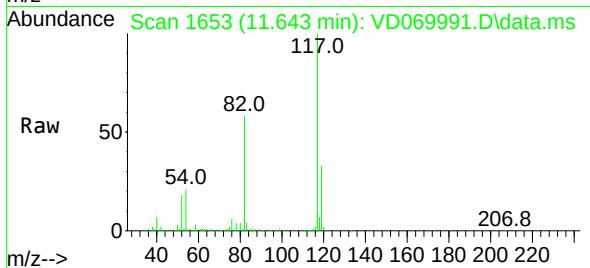




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.005 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

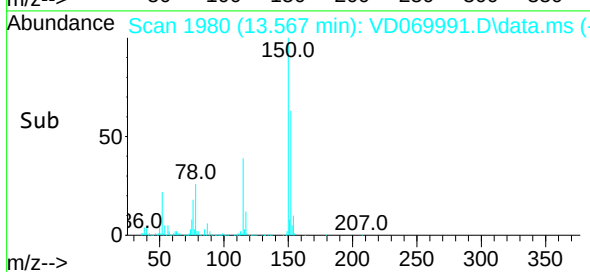
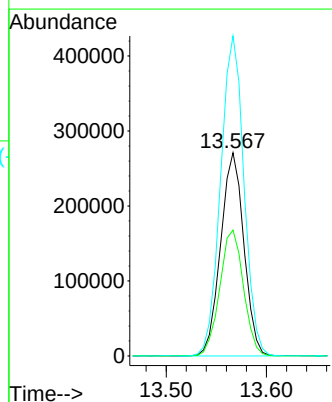
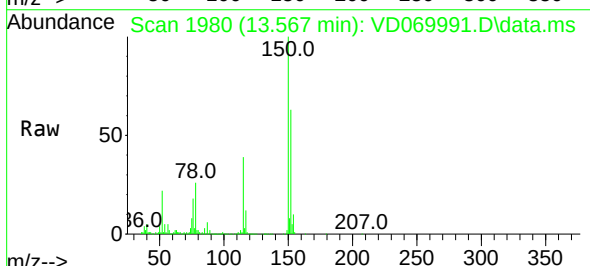
Instrument :
MSVOA_D
ClientSampleId :
20210589-AMENDED-COM-3

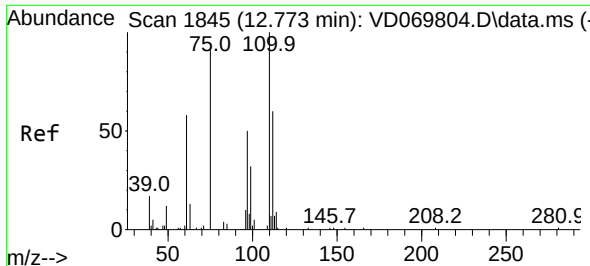
Tgt Ion:117 Resp: 1082636
Ion Ratio Lower Upper
117 100
82 57.8 46.3 69.5
119 33.3 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

Tgt Ion:152 Resp: 435614
Ion Ratio Lower Upper
152 100
115 63.0 31.1 93.3
150 158.1 0.0 343.0

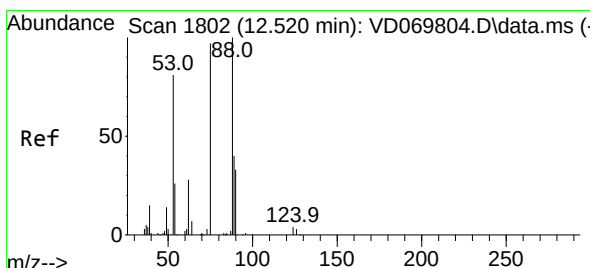
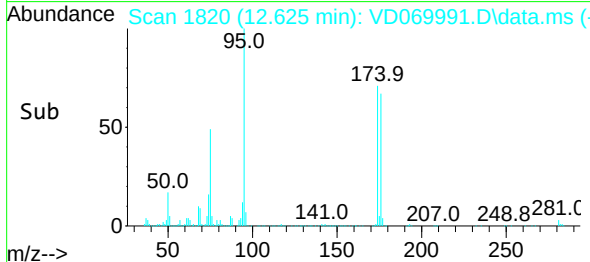
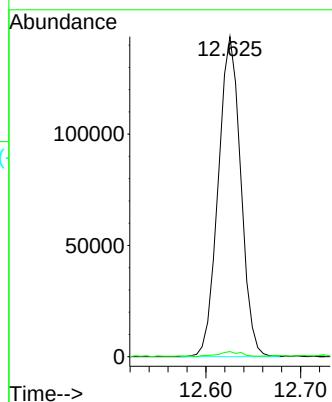
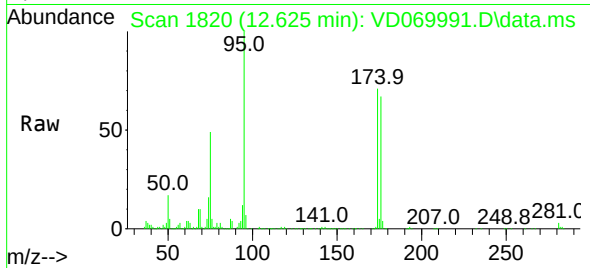




#76
1,2,3-Trichloropropane
Concen: 51.379 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.148 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

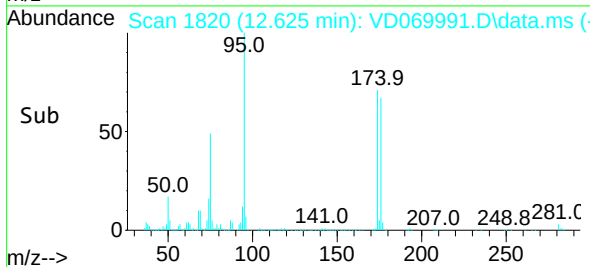
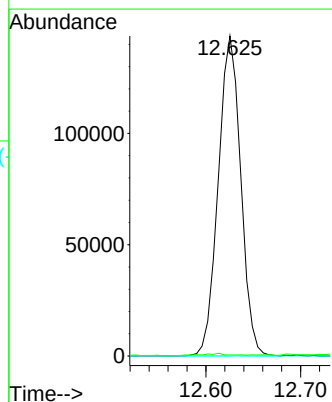
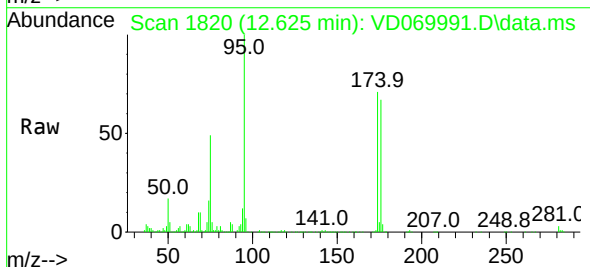
Instrument :
MSVOA_D
ClientSampleId :
20210589-AMENDED-COM-3

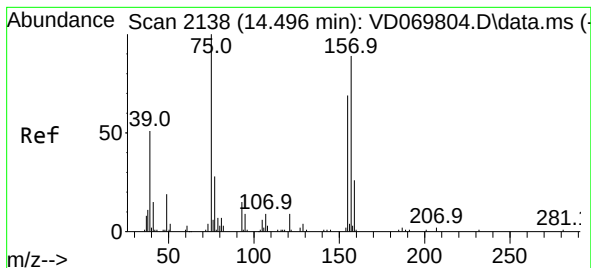
Tgt Ion: 75 Resp: 237898
Ion Ratio Lower Upper
75 100
77 1.7 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 155.870 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

Tgt Ion: 75 Resp: 237898
Ion Ratio Lower Upper
75 100
53 1.1 67.2 100.8#
89 0.1 35.8 53.6#

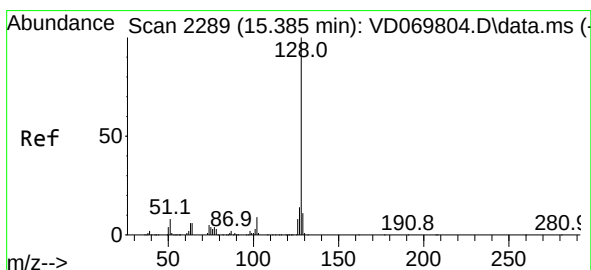
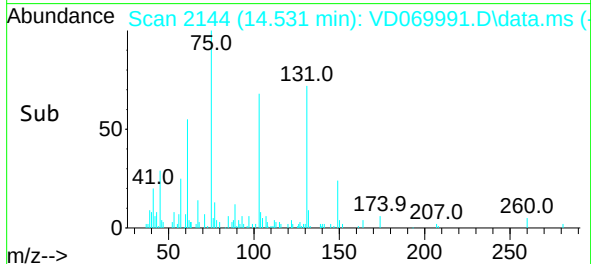
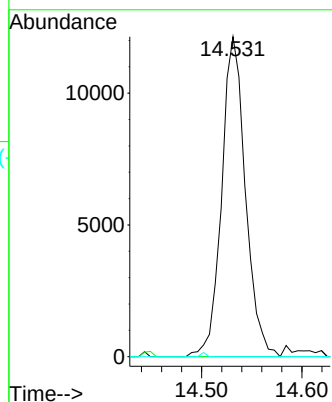
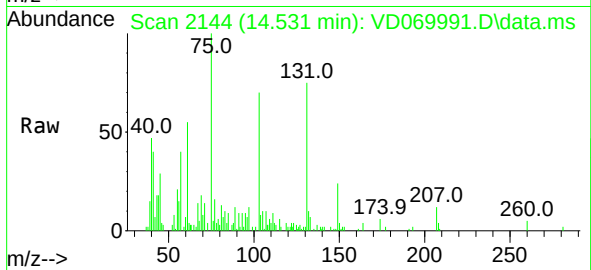




#92
1,2-Dibromo-3-Chloropropane
Concen: 22.207 ug/l
RT: 14.531 min Scan# 2144
Delta R.T. 0.035 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

Instrument :
MSVOA_D
ClientSampleId :
20210589-AMENDED-COM-3

Tgt Ion: 75 Resp: 19988
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#



#95
Naphthalene
Concen: 7.565 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069991.D
Acq: 04 Aug 2021 17:38

Tgt Ion: 128 Resp: 40593
Ion Ratio Lower Upper
128 100
127 15.7 10.6 16.0
129 11.5 8.6 12.8

