

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080421\
 Data File : VD069989.D
 Acq On : 04 Aug 2021 16:41
 Operator : VA/SY
 Sample : M3279-15
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 05 03:12:10 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)

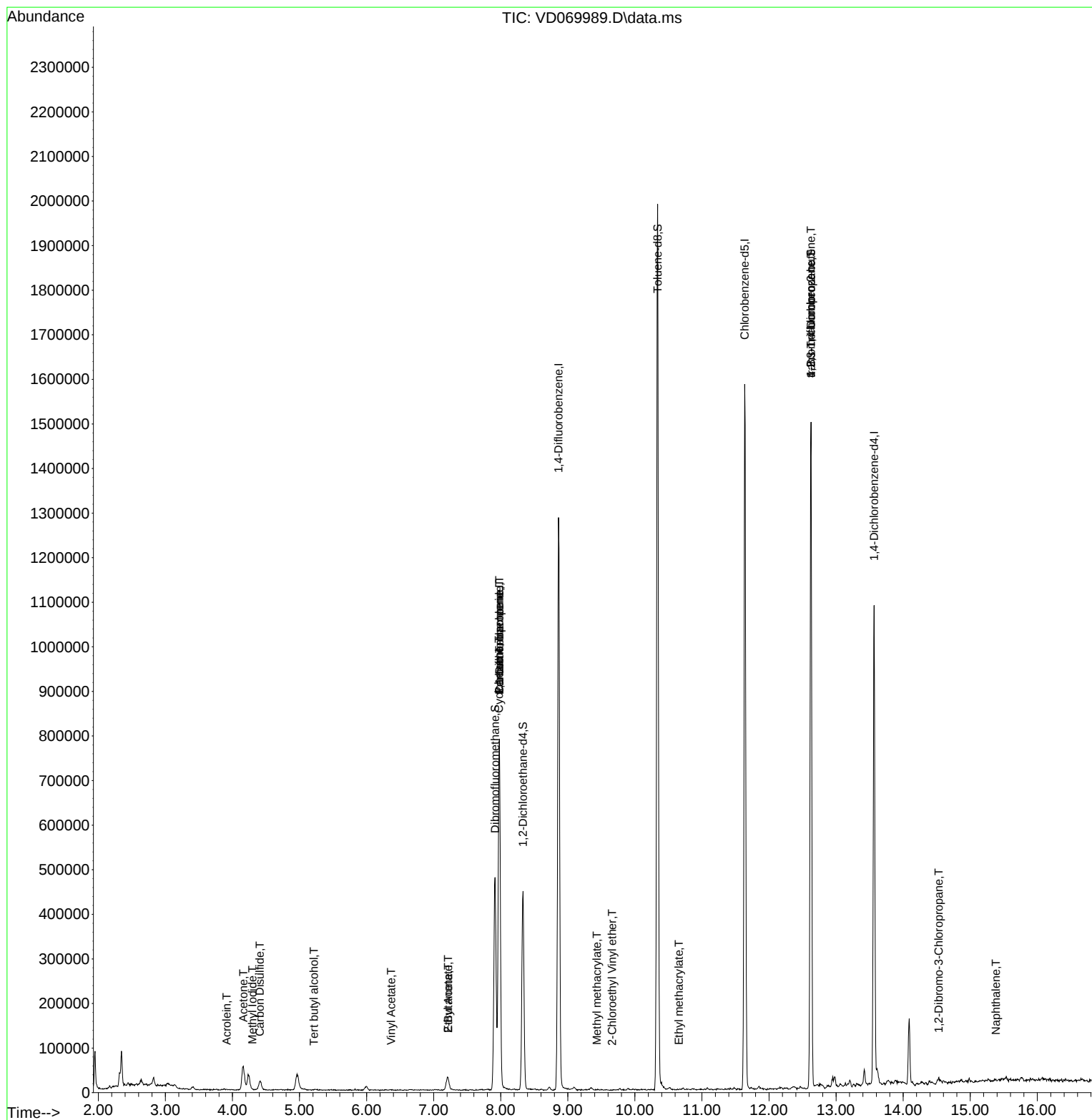
Internal Standards						
1) Pentafluorobenzene	7.979	168	556342	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1095434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	919410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	279132	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	351437	54.925	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.860%	
35) Dibromofluoromethane	7.914	113	359746	52.095	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.180%	
50) Toluene-d8	10.338	98	1362820	51.181	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.360%	
62) 4-Bromofluorobenzene	12.626	95	366850	41.224	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 82.440%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	2543	Below Cal		89
10) Methyl Iodide	4.297	142	1039	3.602 ug/l	#	78
11) Tert butyl alcohol	5.215	59	425	1.284 ug/l	#	73
13) Acrolein	3.915	56	689	1.487 ug/l	#	14
16) Acetone	4.162	43	94327	81.608 ug/l		91
17) Carbon Disulfide	4.409	76	41476	1.822 ug/l		100
20) Methylene Chloride	4.962	84	28948	Below Cal		92
23) Vinyl Acetate	6.367	43	83	20.356 ug/l	#	71
25) 2-Butanone	7.214	43	32685	20.852 ug/l		93
31) Cyclohexane	7.973	56	13811	1.105 ug/l	#	1
36) 1,1-Dichloropropene	7.979	75	51992	4.398 ug/l	#	49
37) Ethyl Acetate	7.214	43	32685	7.595 ug/l	#	73
38) Carbon Tetrachloride	7.979	117	61292	5.676 ug/l	#	19
48) Methyl methacrylate	9.432	41	488	2.859 ug/l	#	21
56) Ethyl methacrylate	10.655	69	54	3.902 ug/l	#	1
58) 2-Chloroethyl Vinyl ether	9.661	63	54	20.885 ug/l	#	48
76) 1,2,3-Trichloropropane	12.626	75	182215	61.415 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	182215	186.316 ug/l	#	17
92) 1,2-Dibromo-3-Chloropr...	14.532	75	1368	2.372 ug/l	#	7
95) Naphthalene	15.385	128	1750	5.171 ug/l	#	83

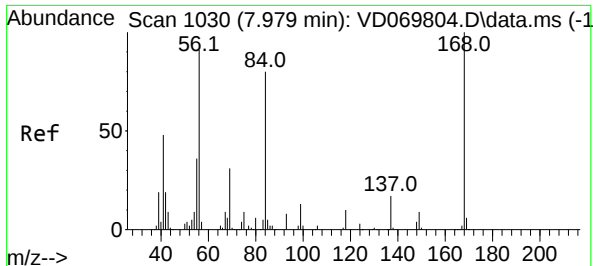
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 23 04:51:13 2021
Response via : Initial Calibration

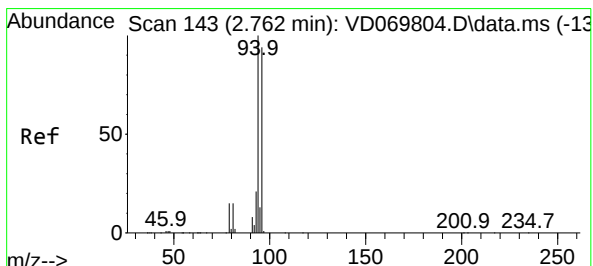
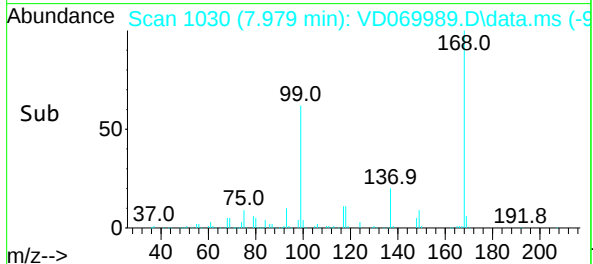
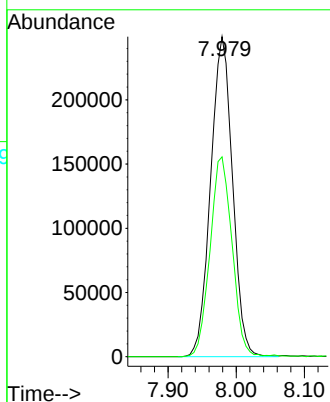
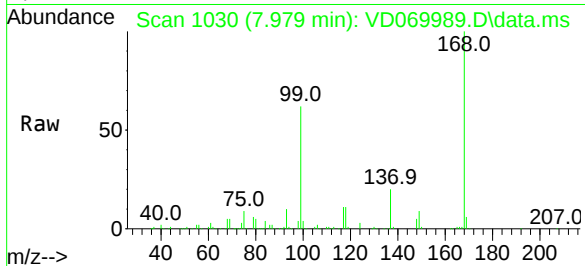




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

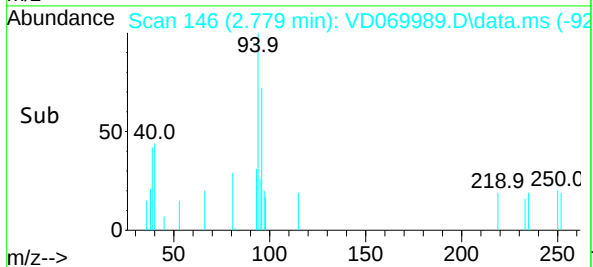
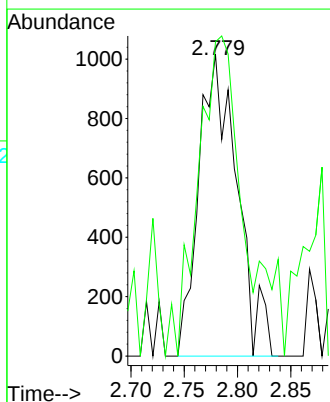
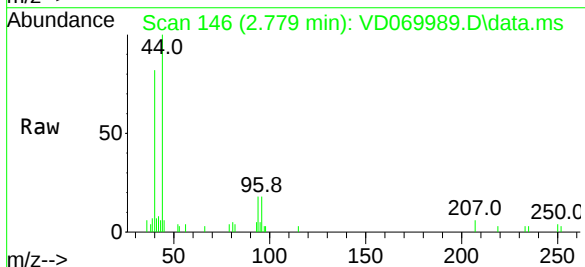
Instrument :
MSVOA_D
ClientSampled :

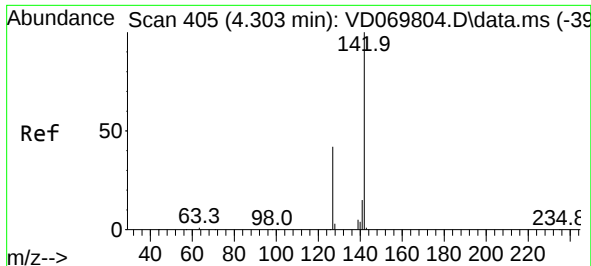
Tgt Ion:168 Resp: 556342
Ion Ratio Lower Upper
168 100
99 62.5 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

Tgt Ion: 94 Resp: 2543
Ion Ratio Lower Upper
94 100
96 104.1 74.8 112.2

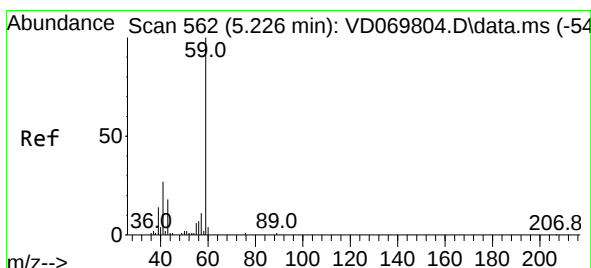
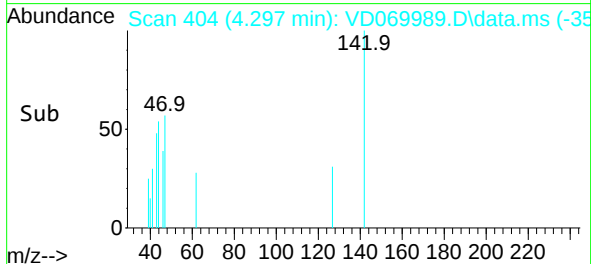
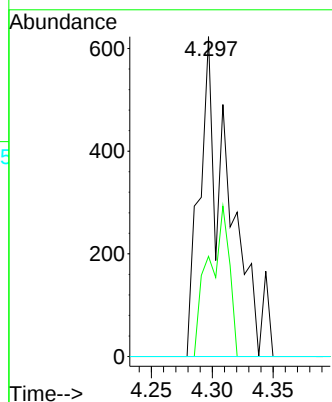
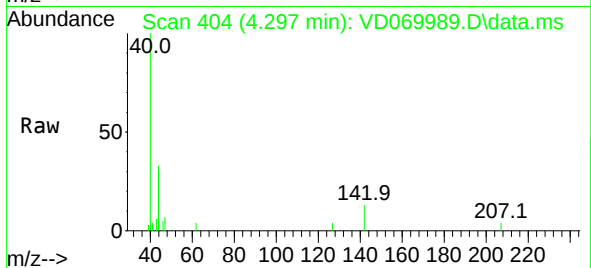




#10
Methyl Iodide
Concen: 3.602 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

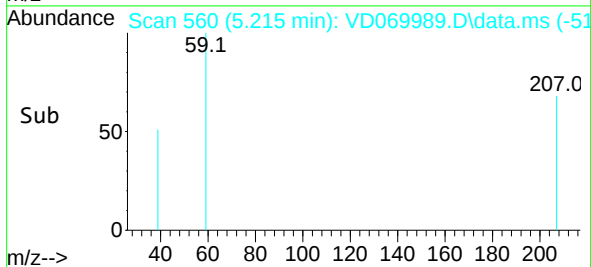
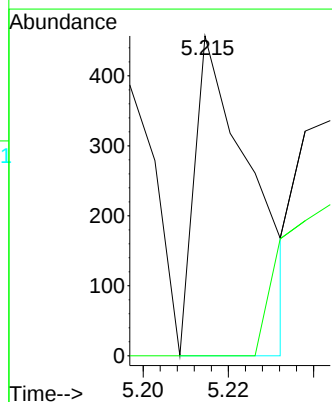
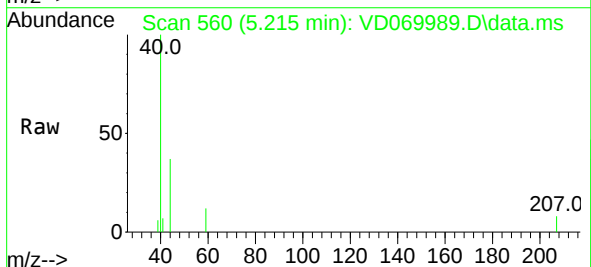
Instrument :
MSVOA_D
ClientSampleId :

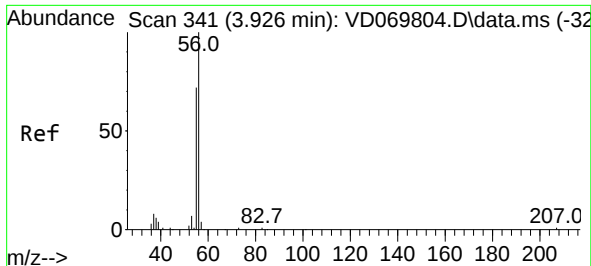
Tgt Ion:142 Resp: 1039
Ion Ratio Lower Upper
142 100
127 33.2 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.284 ug/l
RT: 5.215 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

Tgt Ion: 59 Resp: 425
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

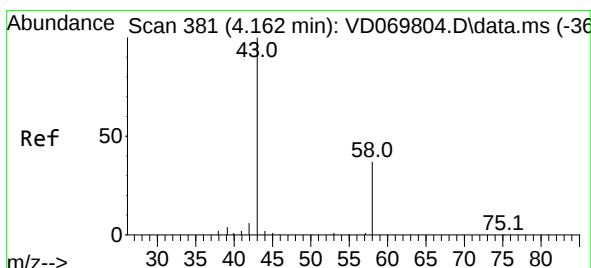
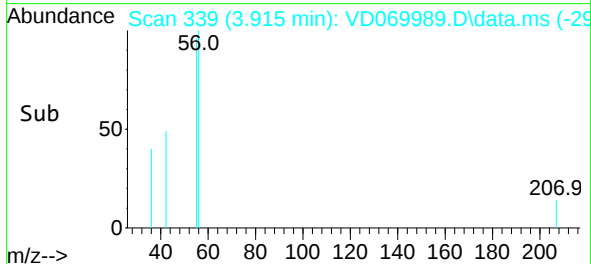
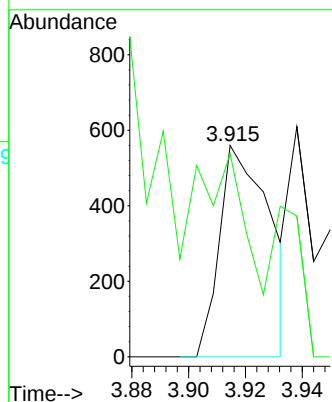
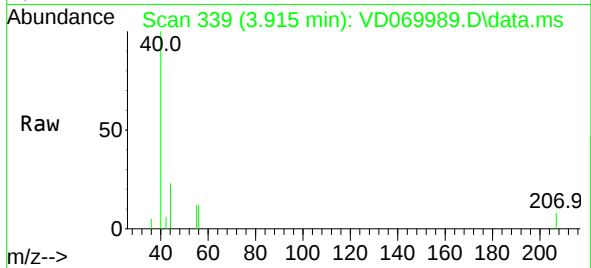




#13
Acrolein
Concen: 1.487 ug/l
RT: 3.915 min Scan# 339
Delta R.T. -0.012 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

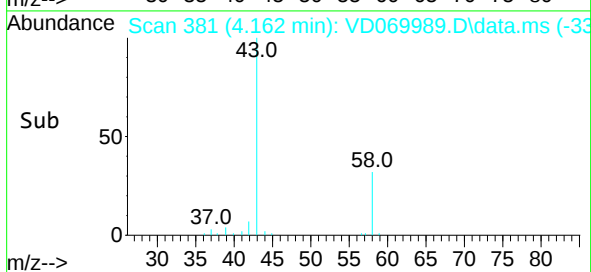
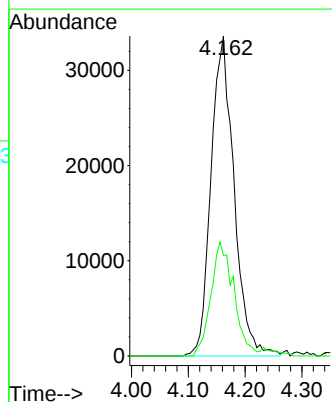
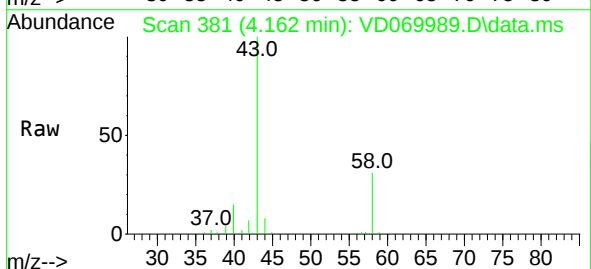
Instrument :
MSVOA_D
ClientSampled :

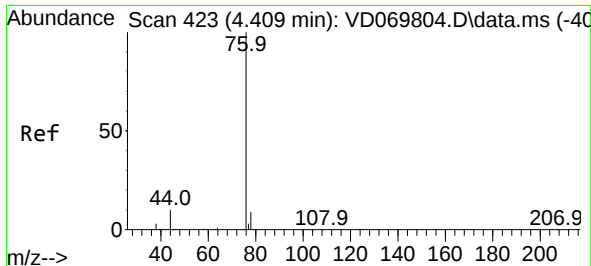
Tgt Ion: 56 Resp: 689
Ion Ratio Lower Upper
56 100
55 0.0 57.2 85.8#



#16
Acetone
Concen: 81.608 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

Tgt Ion: 43 Resp: 94327
Ion Ratio Lower Upper
43 100
58 31.5 29.4 44.0

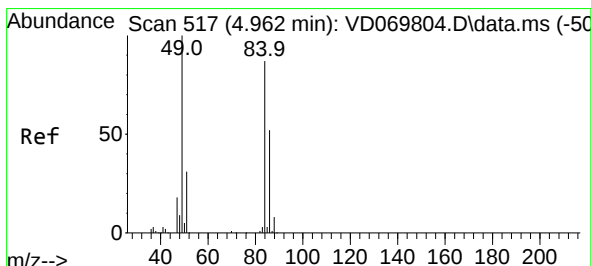
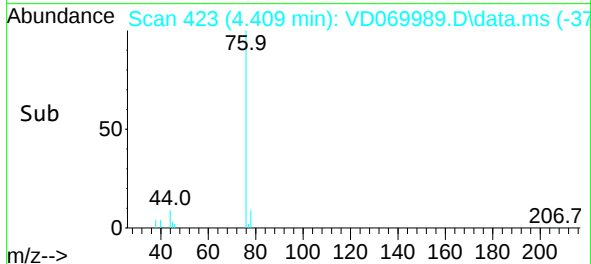
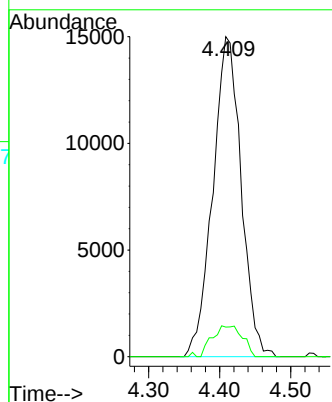
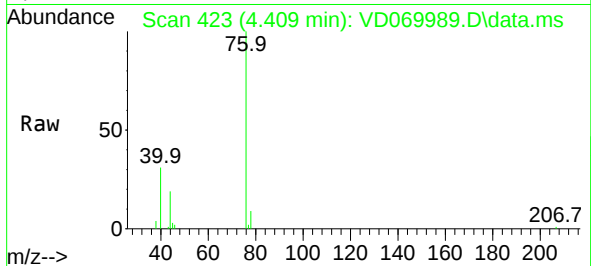




#17
Carbon Disulfide
Concen: 1.822 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

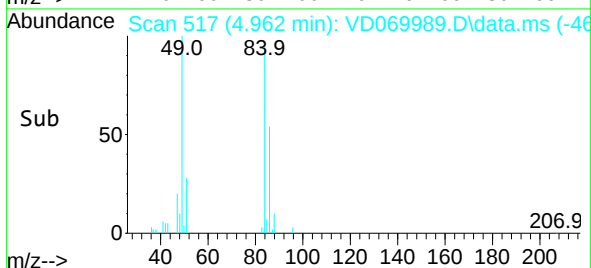
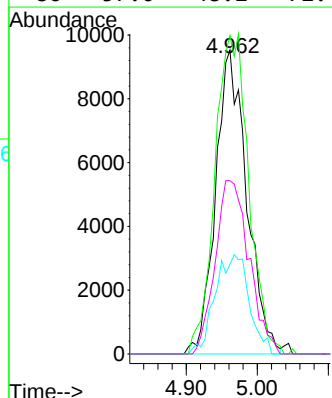
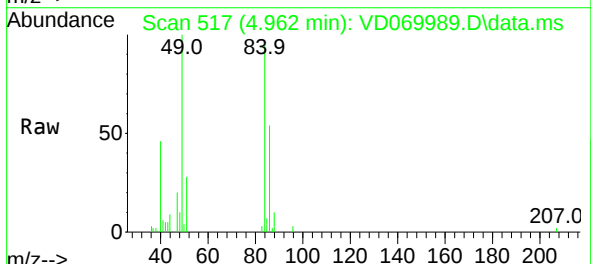
Instrument :
MSVOA_D
ClientSampled :

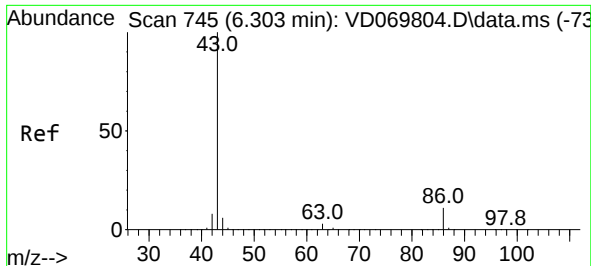
Tgt Ion: 76 Resp: 41476
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

Tgt Ion: 84 Resp: 28948
Ion Ratio Lower Upper
84 100
49 104.8 92.4 138.6
51 29.5 28.5 42.7
86 57.0 48.2 72.4

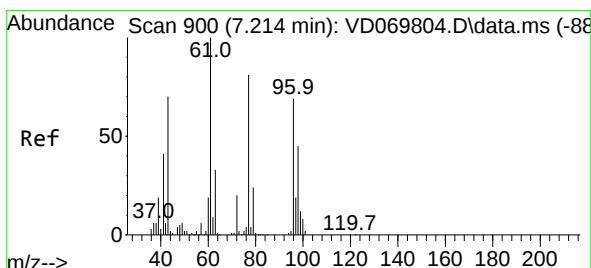
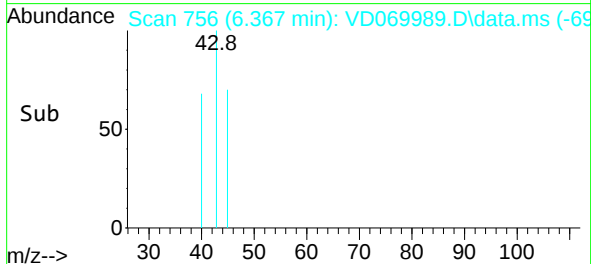
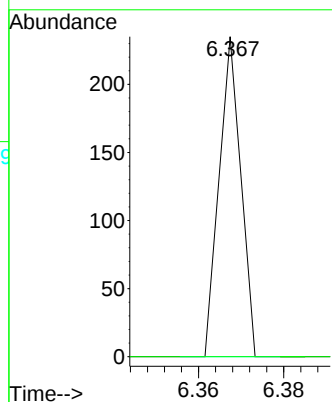
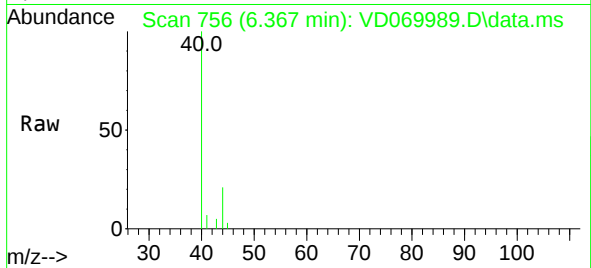




#23
 Vinyl Acetate
 Concen: 20.356 ug/l
 RT: 6.367 min Scan# 756
 Delta R.T. 0.064 min
 Lab File: VD069989.D
 Acq: 04 Aug 2021 16:41

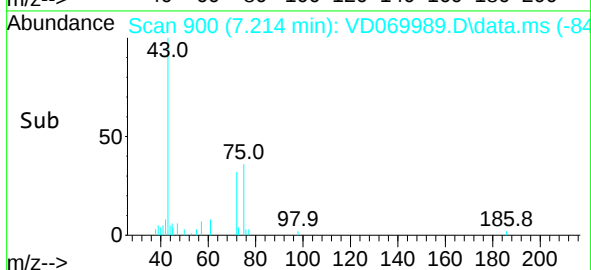
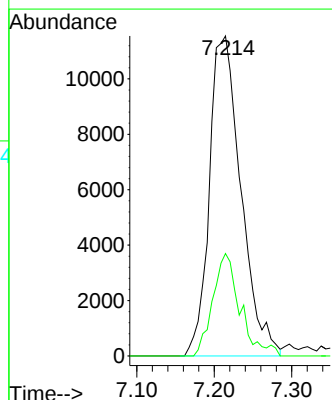
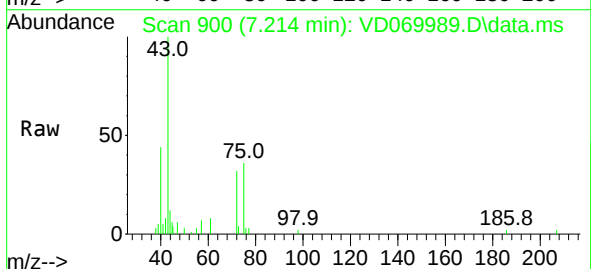
Instrument :
 MSVOA_D
 ClientSampled :

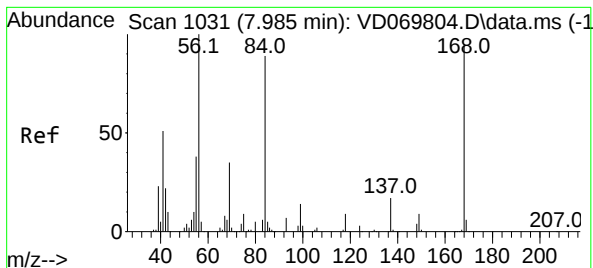
Tgt Ion: 43 Resp: 83
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 20.852 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.000 min
 Lab File: VD069989.D
 Acq: 04 Aug 2021 16:41

Tgt Ion: 43 Resp: 32685
 Ion Ratio Lower Upper
 43 100
 72 32.0 22.8 34.2

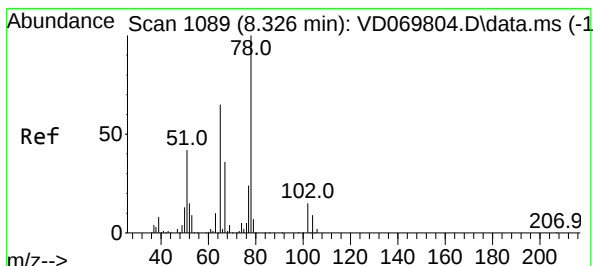
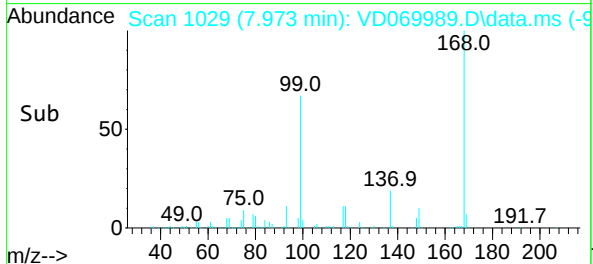
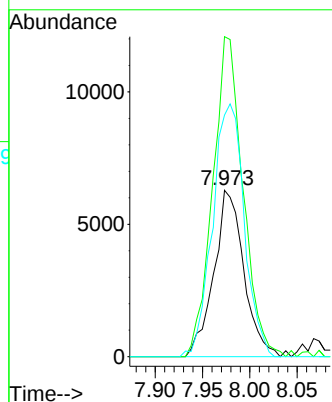
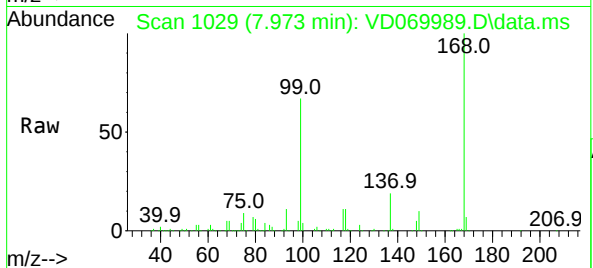




#31
Cyclohexane
Concen: 1.105 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

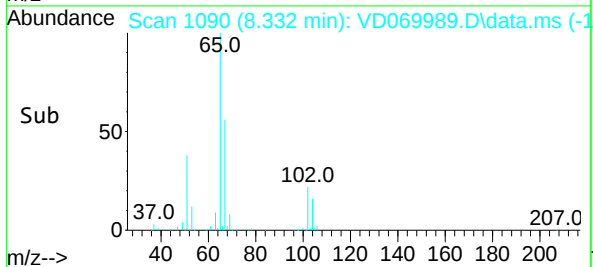
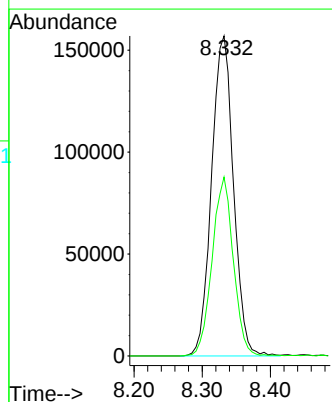
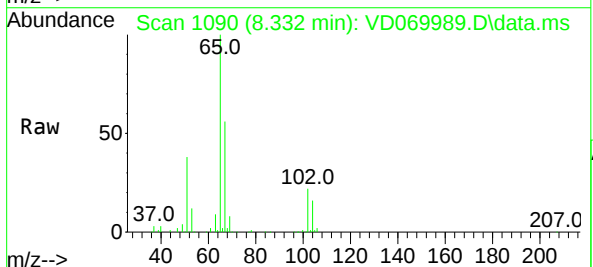
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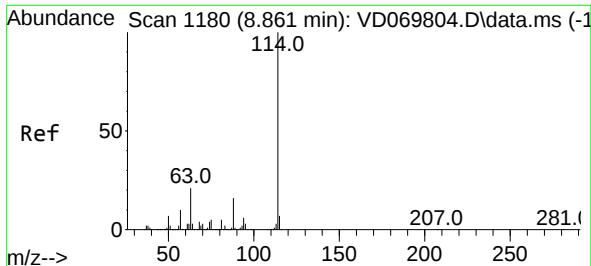
Tgt Ion: 56 Resp: 13811
Ion Ratio Lower Upper
56 100
69 192.4 27.9 41.9#
84 145.3 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 54.925 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

Tgt Ion: 65 Resp: 351437
Ion Ratio Lower Upper
65 100
67 54.1 0.0 111.2

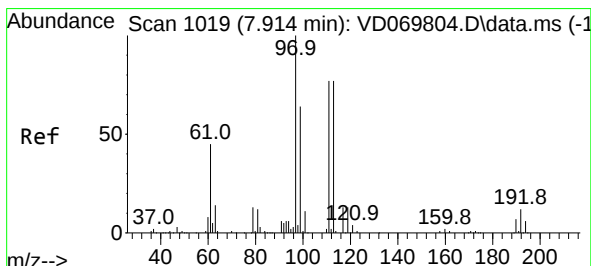
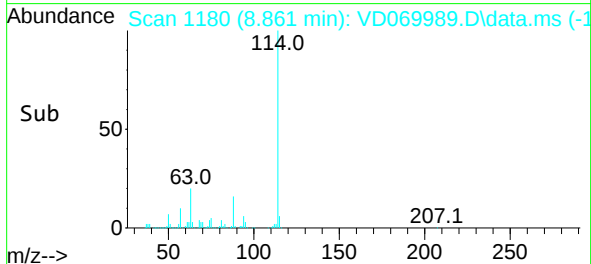
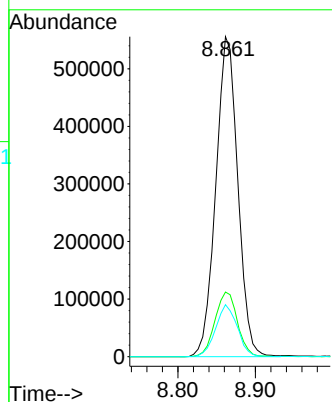
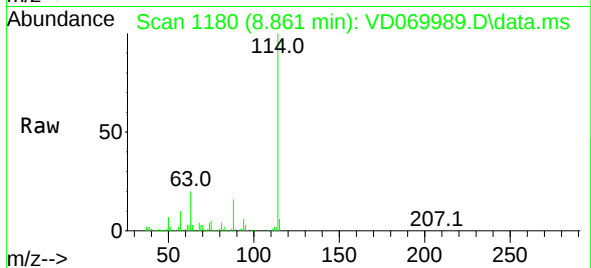




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

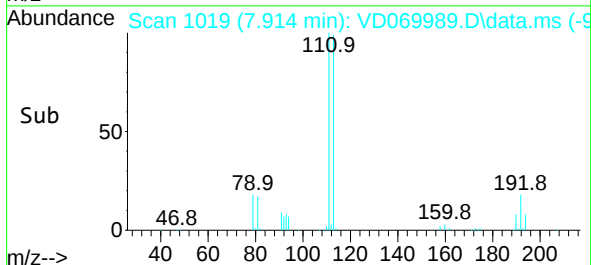
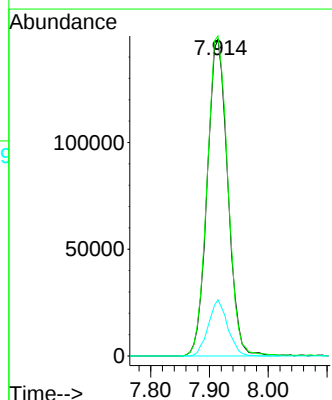
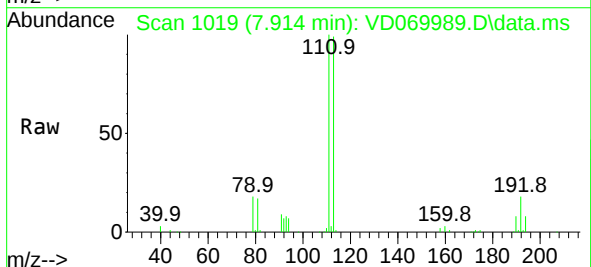
Instrument :
MSVOA_D
ClientSampled :

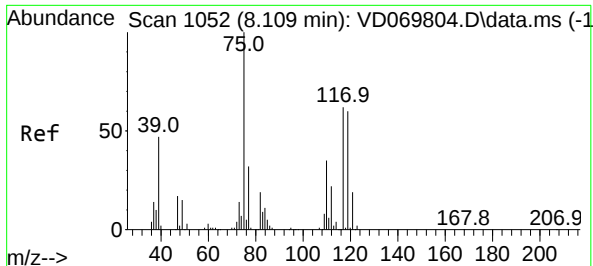
Tgt Ion:114 Resp: 1095434
Ion Ratio Lower Upper
114 100
63 20.2 0.0 41.6
88 16.2 0.0 31.4



#35
Dibromofluoromethane
Concen: 52.095 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

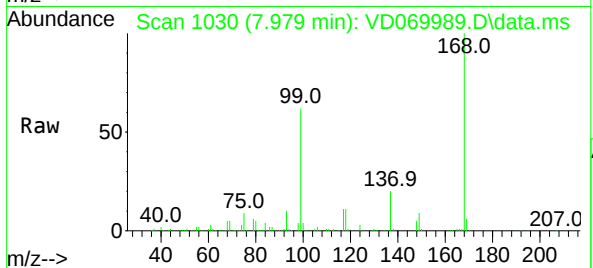
Tgt Ion:113 Resp: 359746
Ion Ratio Lower Upper
113 100
111 102.0 80.5 120.7
192 16.6 12.6 19.0



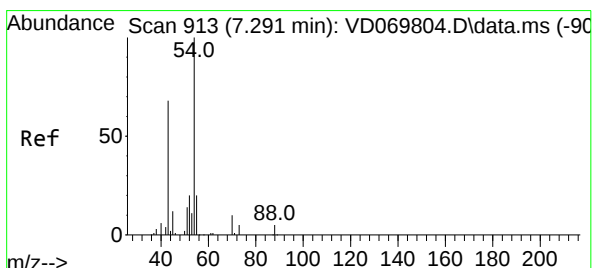
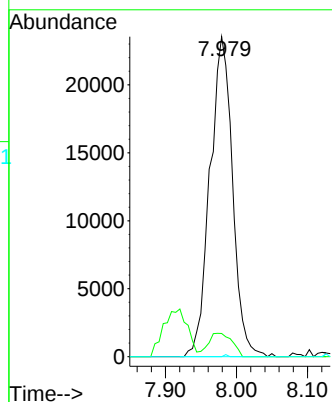
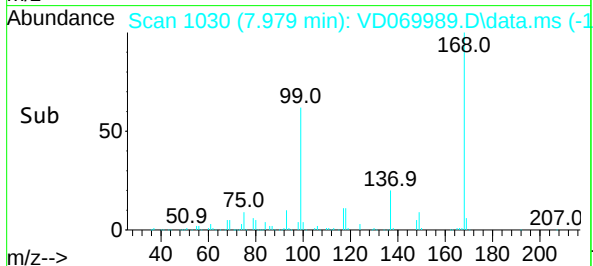


#36
1,1-Dichloropropene
Concen: 4.398 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

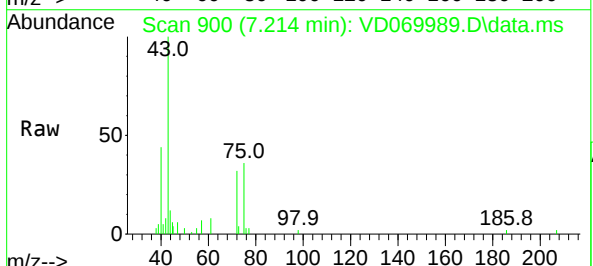
Instrument :
MSVOA_D
ClientSampleId :



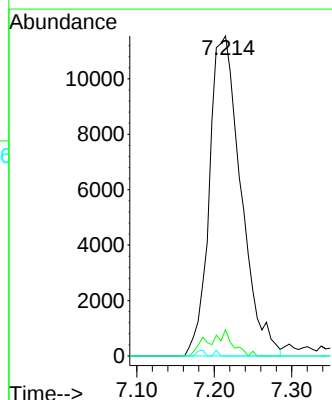
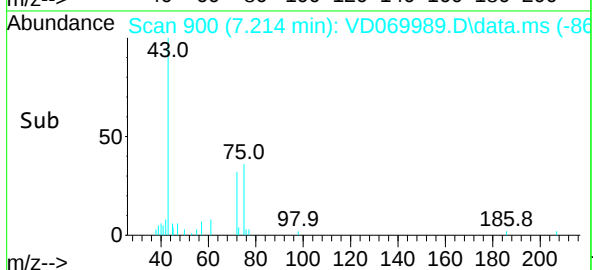
Tgt Ion: 75 Resp: 51992
Ion Ratio Lower Upper
75 100
110 7.5 16.9 50.7#
77 0.1 24.9 37.3#

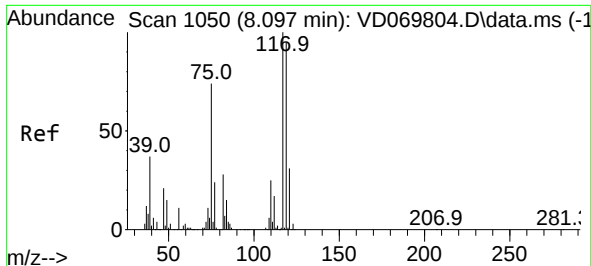


#37
Ethyl Acetate
Concen: 7.595 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41



Tgt Ion: 43 Resp: 32685
Ion Ratio Lower Upper
43 100
61 4.0 11.8 17.8#
70 0.2 8.9 13.3#

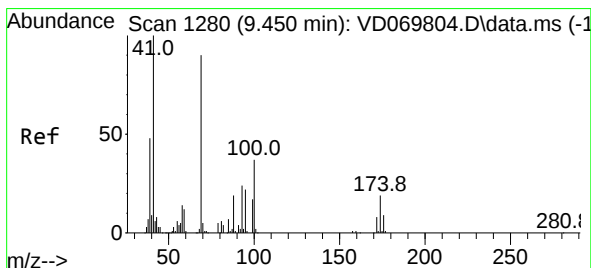
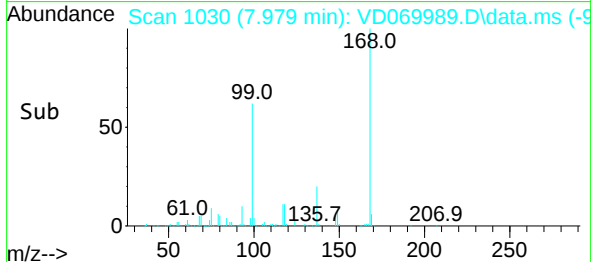
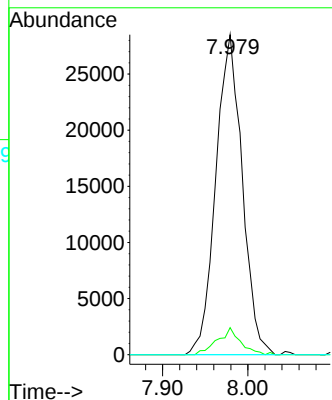
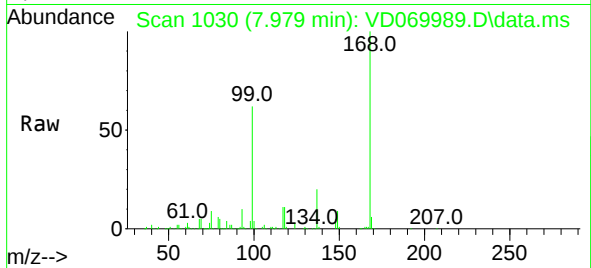




#38
Carbon Tetrachloride
Concen: 5.676 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

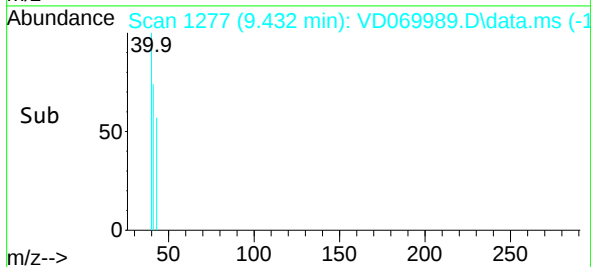
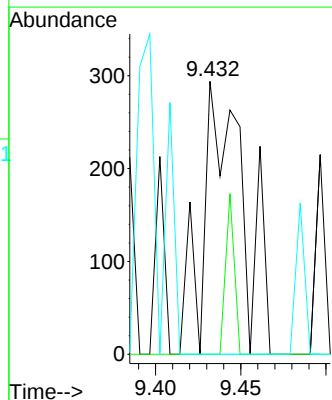
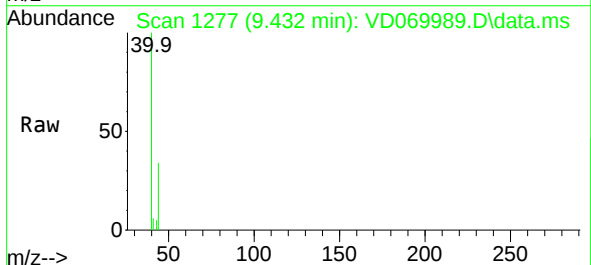
Instrument :
MSVOA_D
ClientSampled :

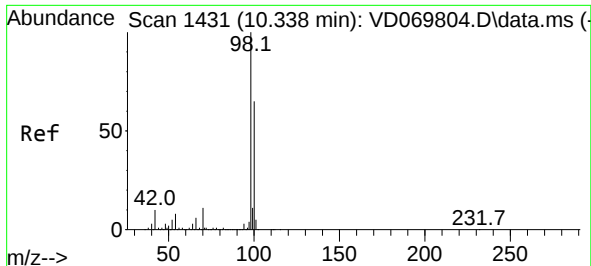
Tgt Ion:117 Resp: 61292
Ion Ratio Lower Upper
117 100
119 8.4 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.859 ug/l
RT: 9.432 min Scan# 1277
Delta R.T. -0.018 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

Tgt Ion: 41 Resp: 488
Ion Ratio Lower Upper
41 100
69 12.5 73.4 110.2#
39 0.0 36.6 55.0#

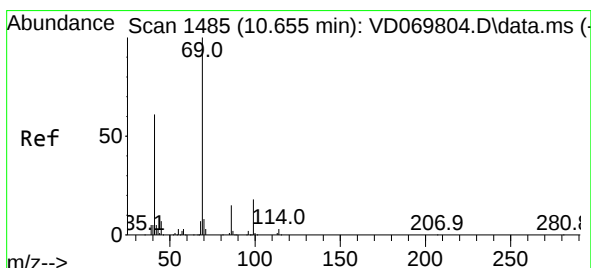
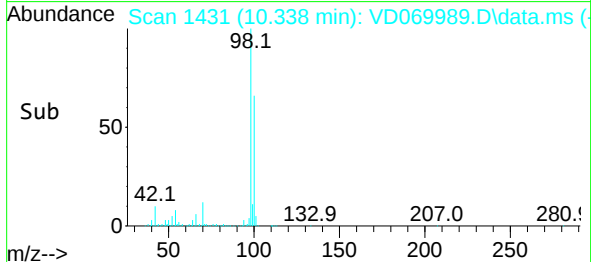
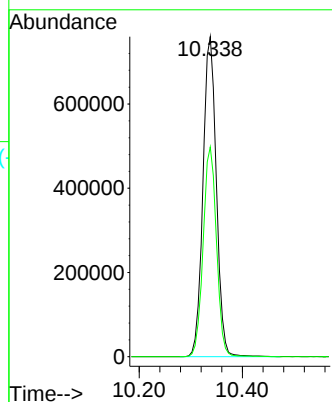
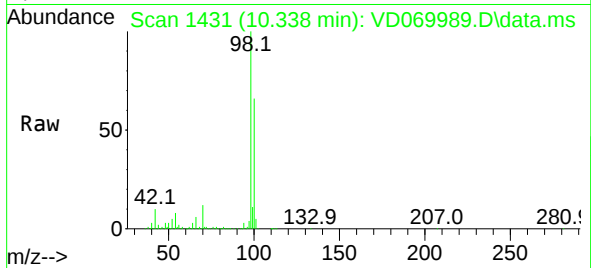




#50
Toluene-d8
Concen: 51.181 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

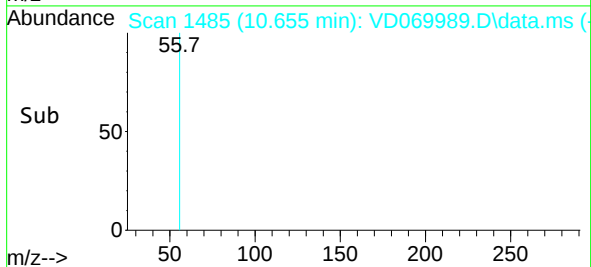
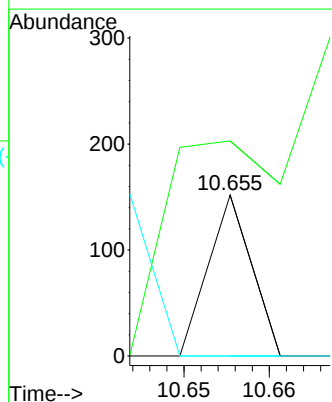
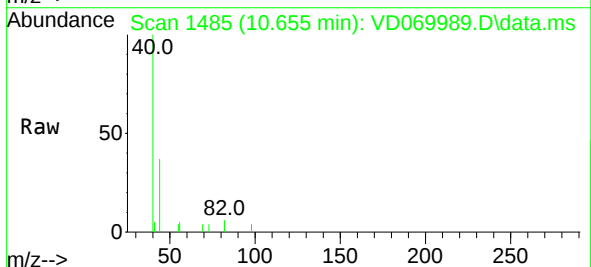
Instrument :
MSVOA_D
ClientSampleId :

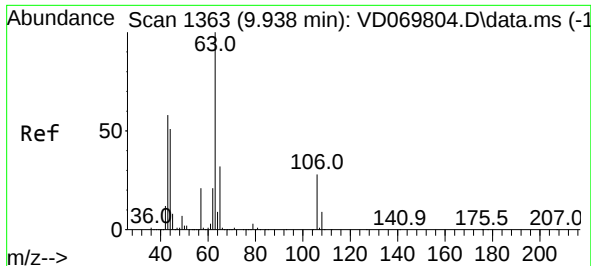
Tgt Ion: 98 Resp: 1362820
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.902 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 101.9 22.0 33.0#

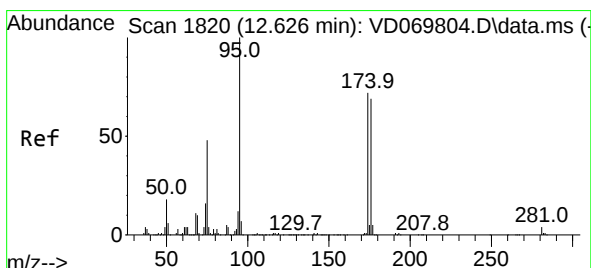
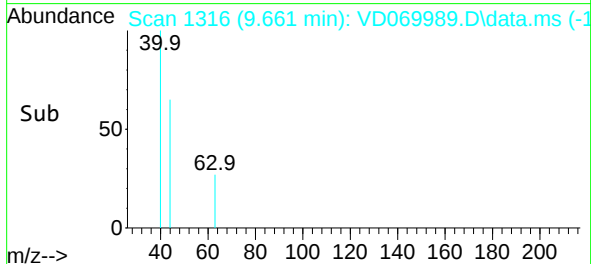
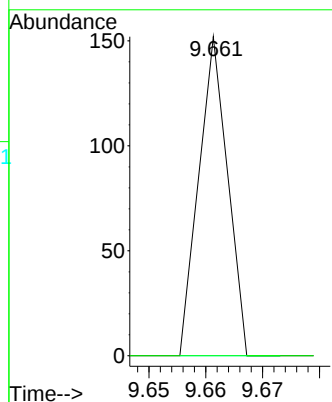
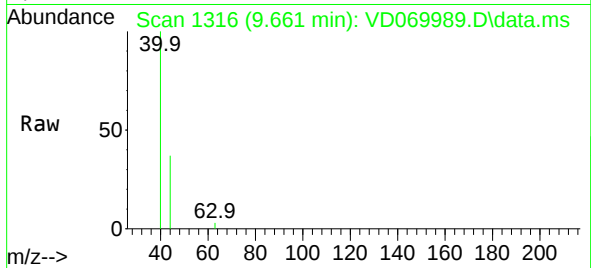




#58
2-Chloroethyl Vinyl ether
Concen: 20.885 ug/l
RT: 9.661 min Scan# 1316
Delta R.T. -0.277 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

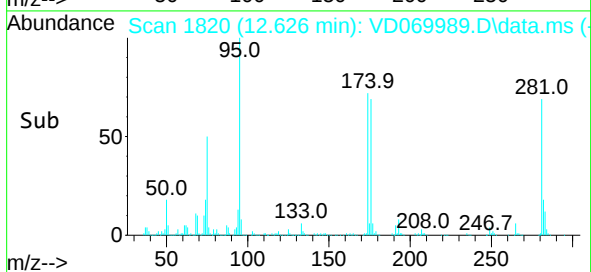
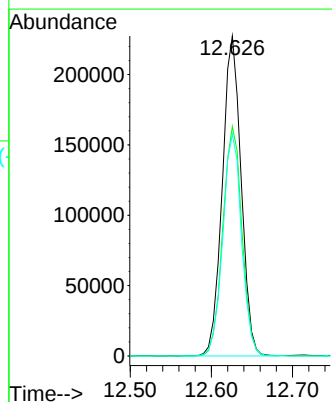
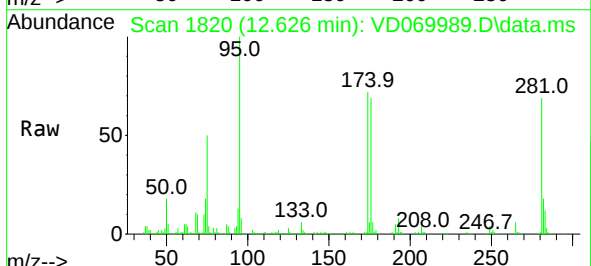
Instrument :
MSVOA_D
ClientSampled :

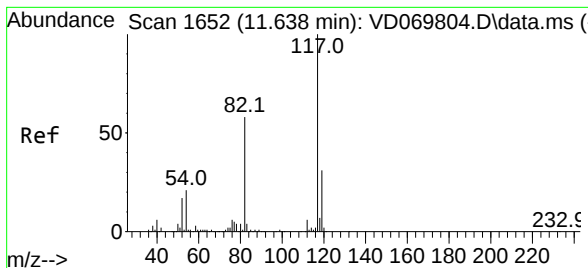
Tgt Ion: 63 Resp: 54
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 41.224 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

Tgt Ion: 95 Resp: 366850
Ion Ratio Lower Upper
95 100
174 73.2 0.0 142.6
176 69.4 0.0 134.2

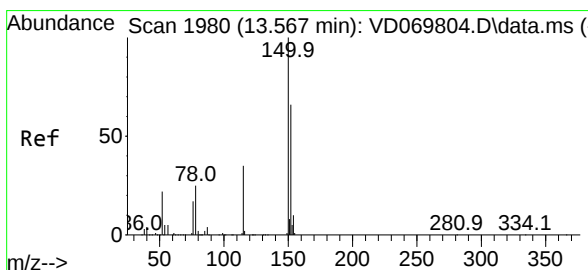
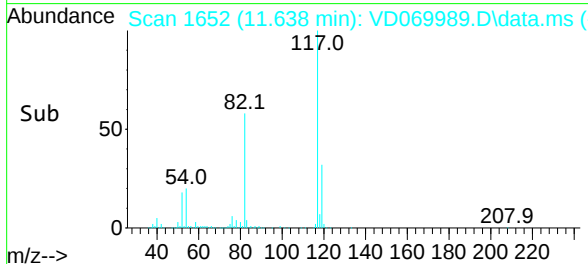
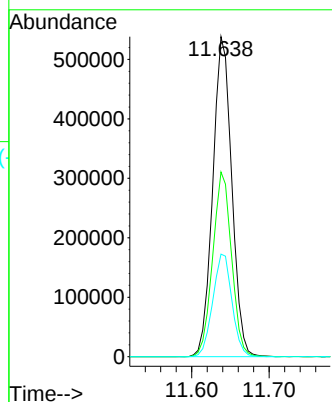
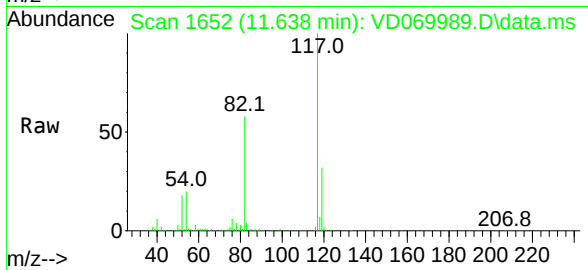




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

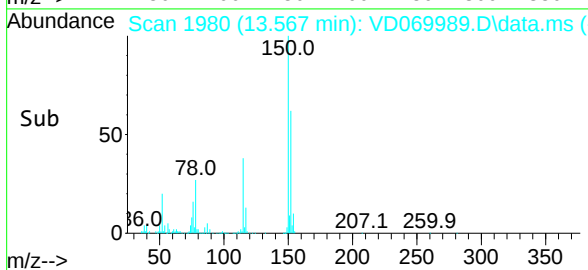
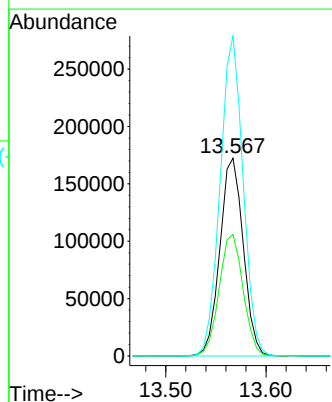
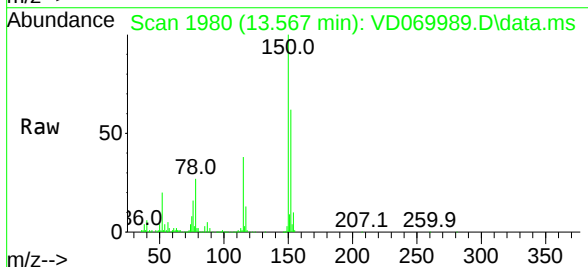
Instrument :
MSVOA_D
ClientSampleId :

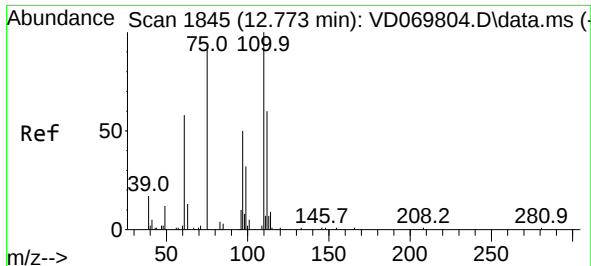
Tgt Ion:117 Resp: 919410
Ion Ratio Lower Upper
117 100
82 57.7 46.3 69.5
119 32.1 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

Tgt Ion:152 Resp: 279132
Ion Ratio Lower Upper
152 100
115 62.9 31.1 93.3
150 158.5 0.0 343.0

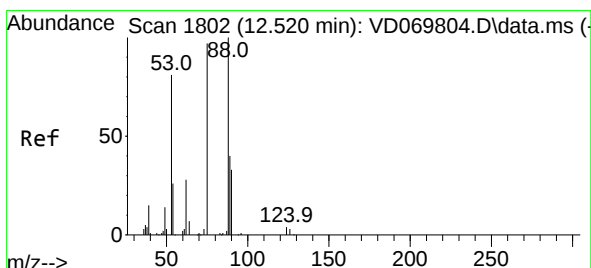
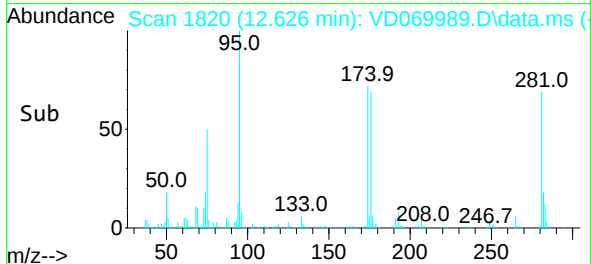
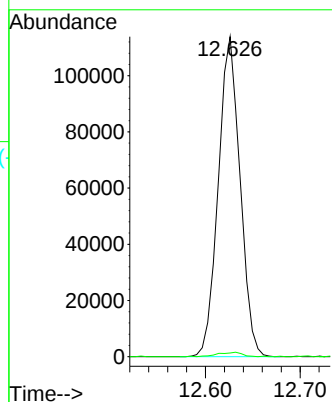
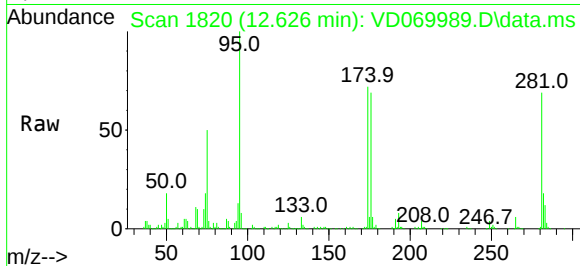




#76
1,2,3-Trichloropropane
Concen: 61.415 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

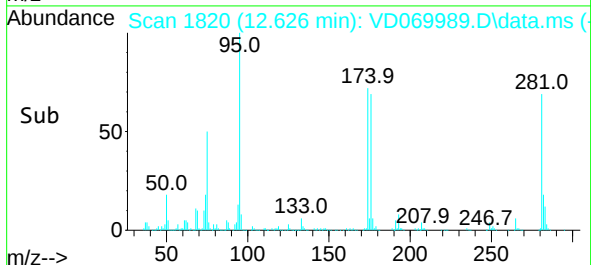
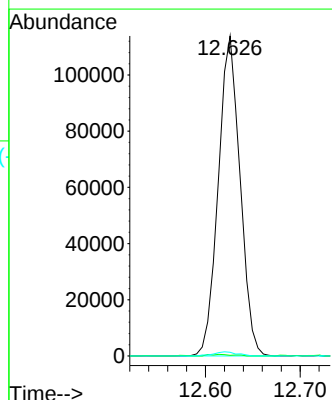
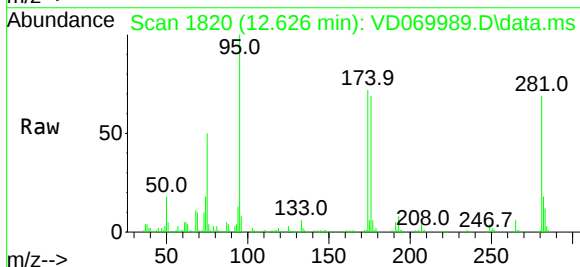
Instrument :
MSVOA_D
ClientSampleId :

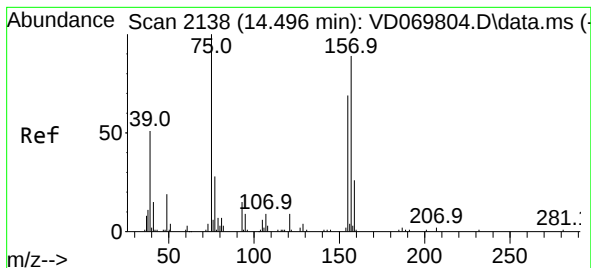
Tgt Ion: 75 Resp: 182215
Ion Ratio Lower Upper
75 100
77 1.6 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 186.316 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

Tgt Ion: 75 Resp: 182215
Ion Ratio Lower Upper
75 100
53 0.5 67.2 100.8#
89 1.4 35.8 53.6#

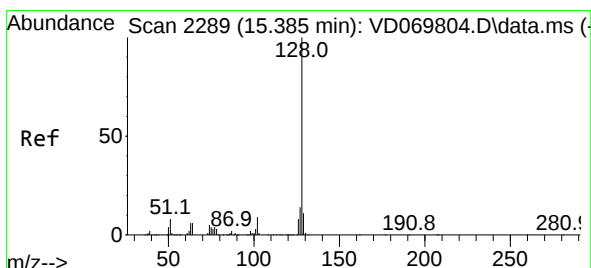
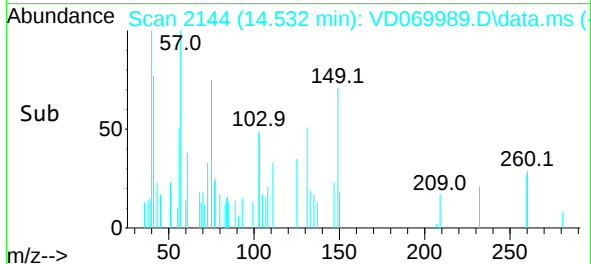
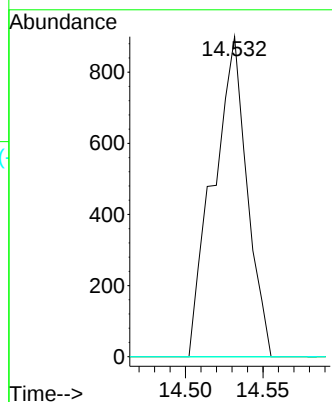
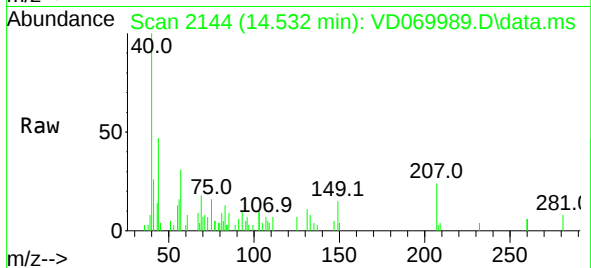




#92
1,2-Dibromo-3-Chloropropane
Concen: 2.372 ug/l
RT: 14.532 min Scan# 2144
Delta R.T. 0.035 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 1368
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#



#95
Naphthalene
Concen: 5.171 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069989.D
Acq: 04 Aug 2021 16:41

Tgt Ion: 128 Resp: 1750
Ion Ratio Lower Upper
128 100
127 16.3 10.6 16.0#
129 0.0 8.6 12.8#

