

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072821\
 Data File : VD069892.D
 Acq On : 28 Jul 2021 16:51
 Operator : VA/SY
 Sample : M3204-03RE
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 29 04:00:57 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)

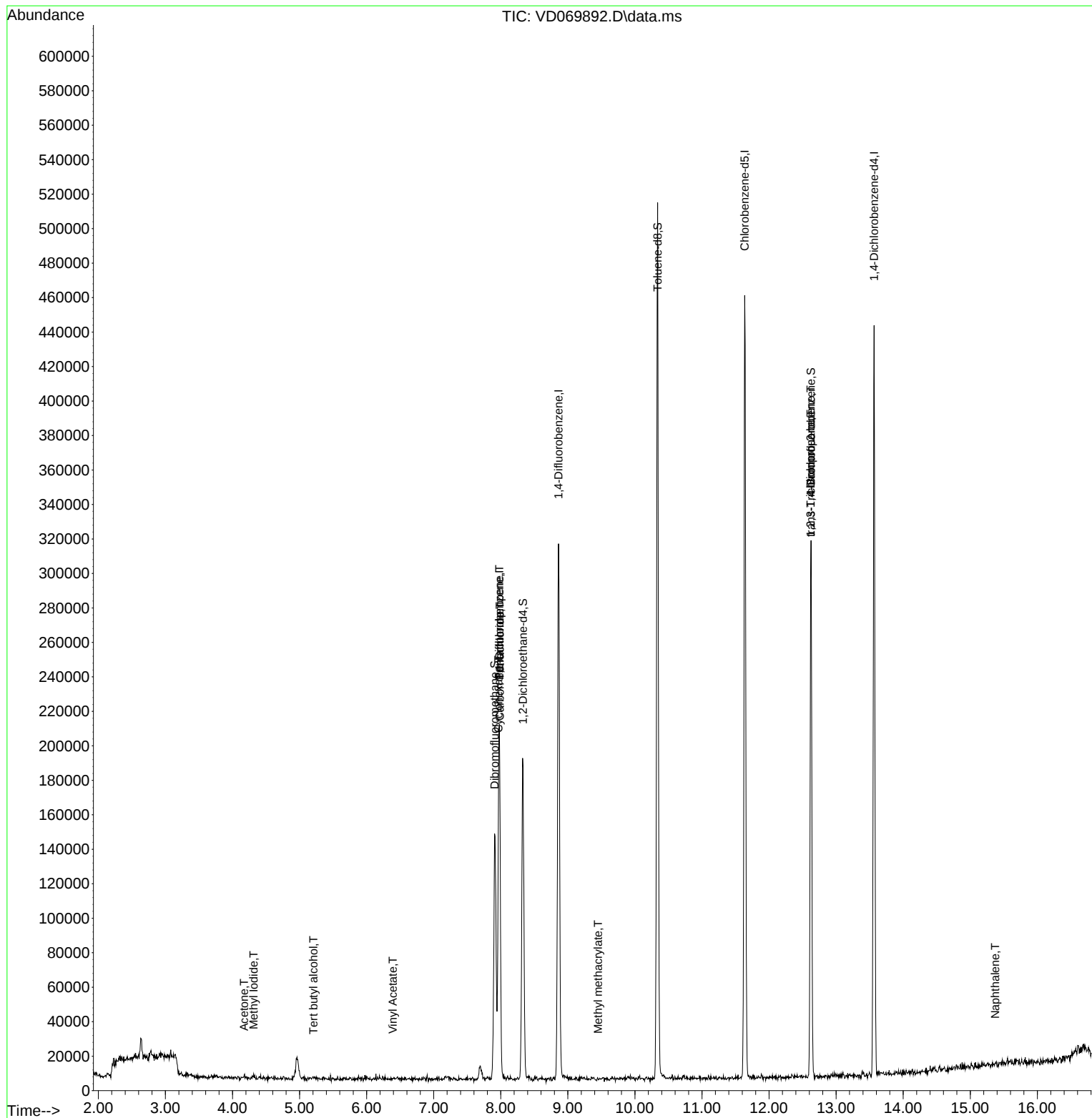
Internal Standards						
1) Pentafluorobenzene	7.979	168	148393	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	269242	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	273290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	113881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	144591	84.722	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 169.440%#	
35) Dibromofluoromethane	7.908	113	108654	64.016	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 128.040%	
50) Toluene-d8	10.338	98	343942	52.553	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.100%	
62) 4-Bromofluorobenzene	12.626	95	112370	51.375	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.740%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.315	142	921	3.927	ug/l #	50
11) Tert butyl alcohol	5.209	59	94	1.064	ug/l #	73
16) Acetone	4.173	43	1481	4.804	ug/l #	38
20) Methylene Chloride	4.962	84	10074	Below Cal		94
23) Vinyl Acetate	6.391	43	62	20.368	ug/l #	71
31) Cyclohexane	7.967	56	3861	1.158	ug/l #	61
36) 1,1-Dichloropropene	7.979	75	13157	4.528	ug/l #	49
38) Carbon Tetrachloride	7.985	117	15902	5.992	ug/l #	19
48) Methyl methacrylate	9.450	41	57	2.800	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	53435	44.144	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	53435	133.921	ug/l #	16
95) Naphthalene	15.373	128	335	5.080	ug/l #	78

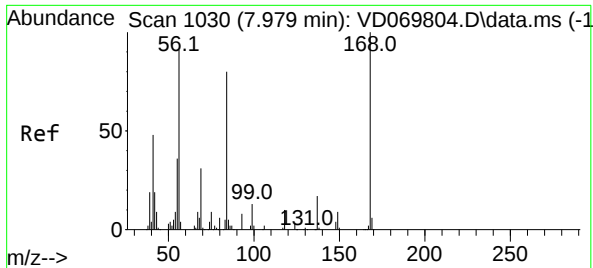
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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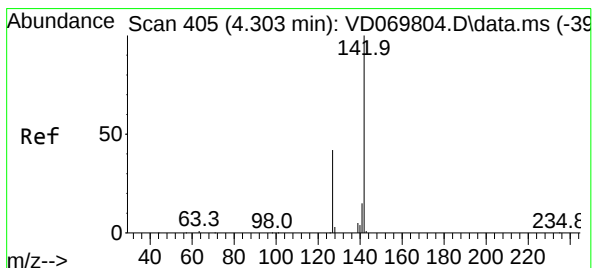
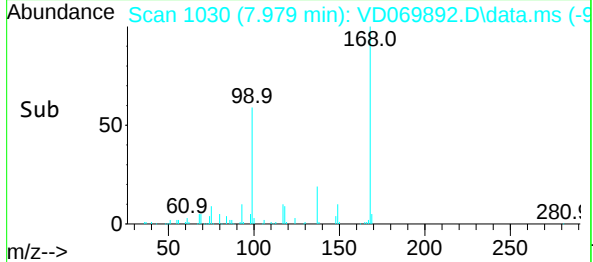
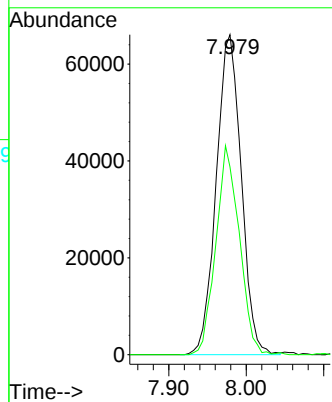
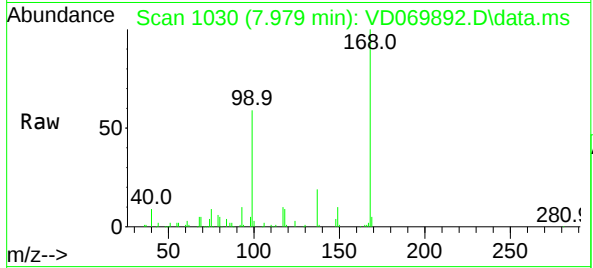




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

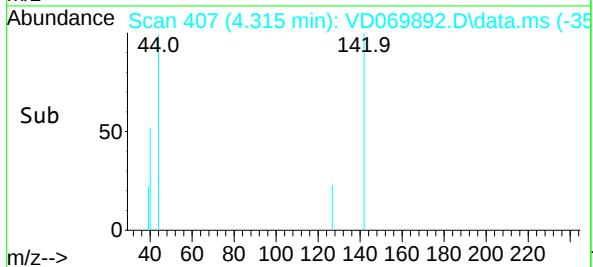
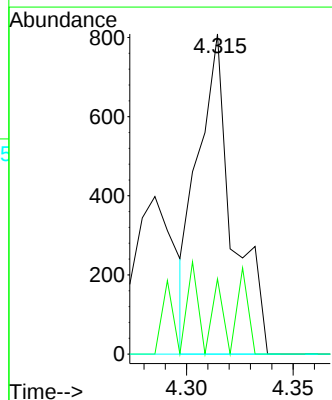
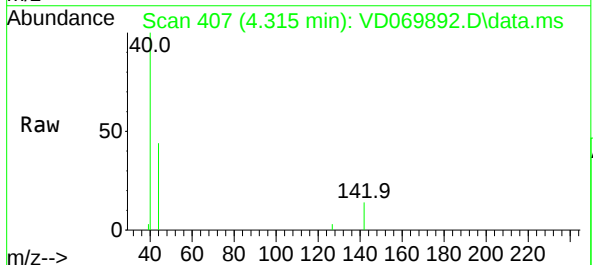
Instrument :
MSVOA_D
ClientSampled :

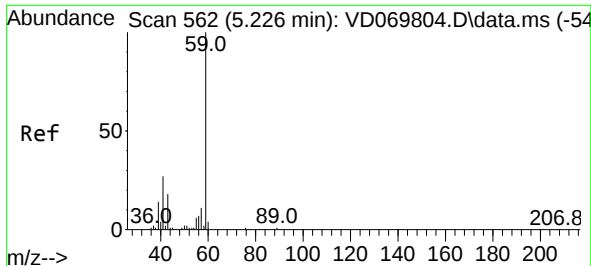
Tgt Ion:168 Resp: 148393
Ion Ratio Lower Upper
168 100
99 58.7 51.1 76.7



#10
Methyl Iodide
Concen: 3.927 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

Tgt Ion:142 Resp: 921
Ion Ratio Lower Upper
142 100
127 8.9 35.7 53.5#
141 0.0 12.0 18.0#



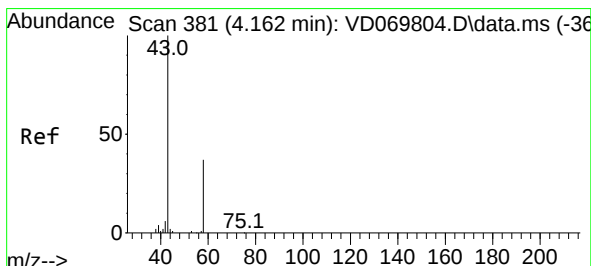
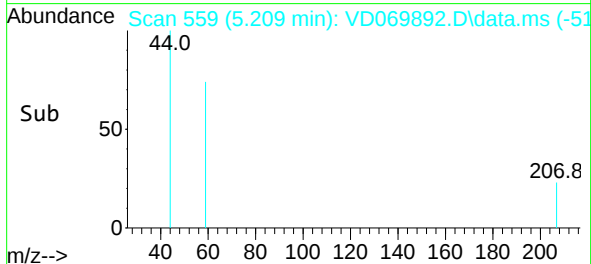
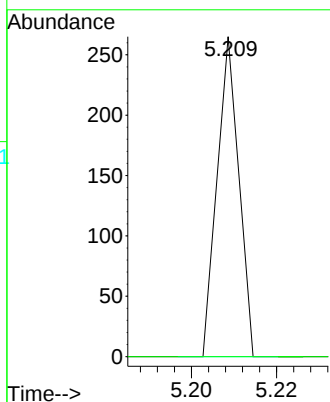
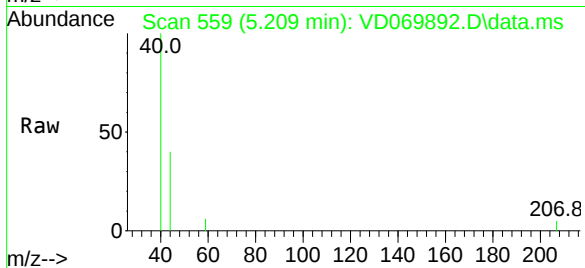


#11

Tert butyl alcohol
Concen: 1.064 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

Instrument :
MSVOA_D
ClientSampled :

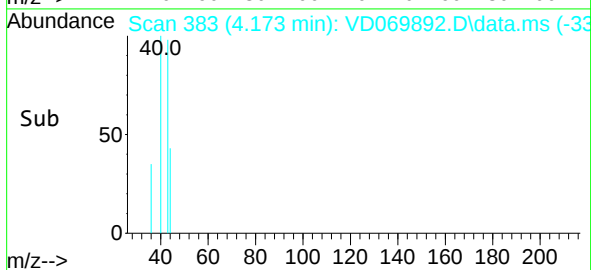
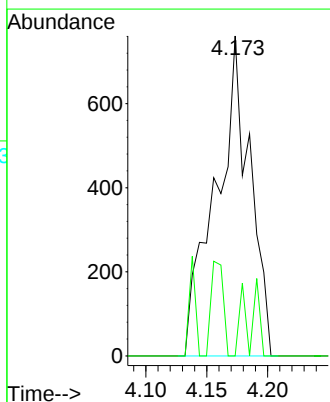
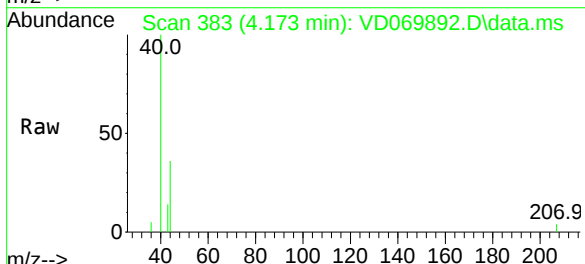
Tgt Ion: 59 Resp: 94
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

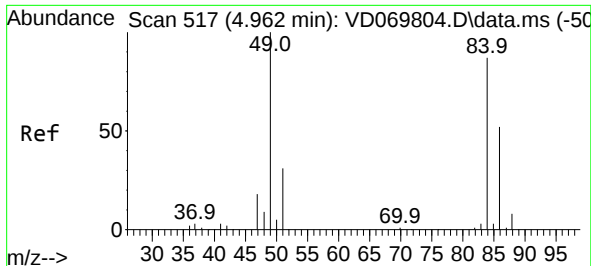


#16

Acetone
Concen: 4.804 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

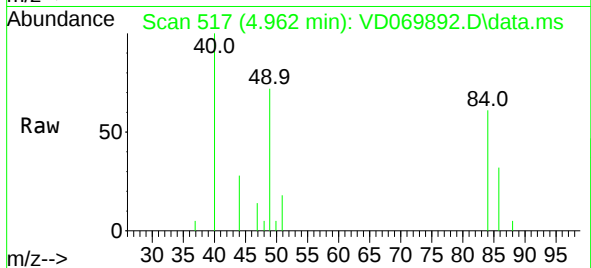
Tgt Ion: 43 Resp: 1481
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.0#



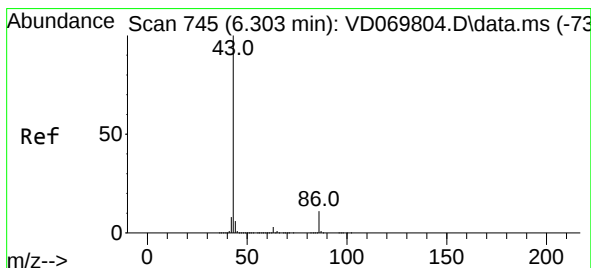
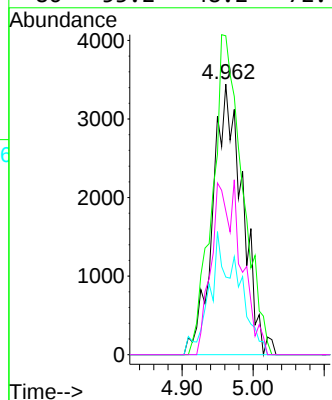
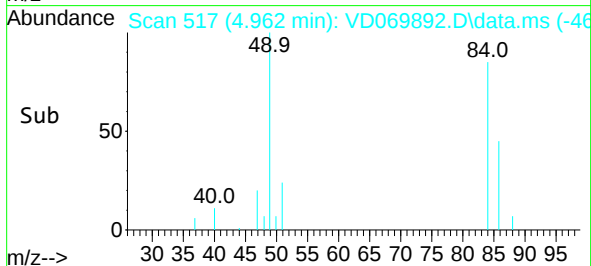


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

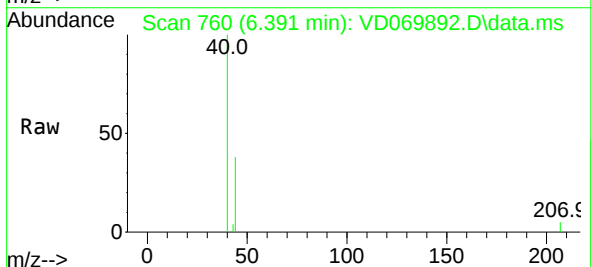
Instrument :
MSVOA_D
ClientSampleId :



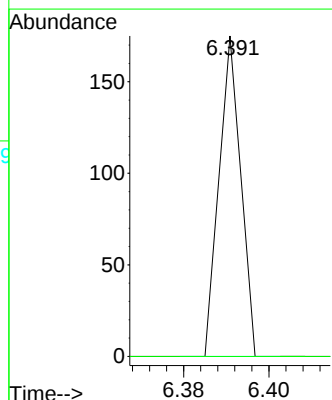
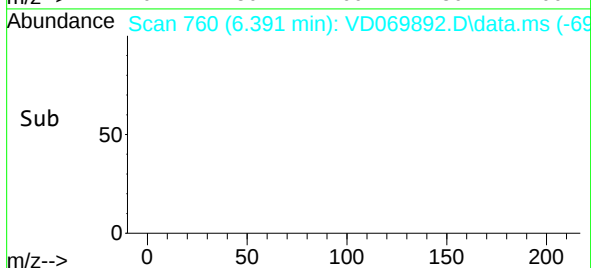
Tgt Ion:	84	Resp:	10074
Ion	Ratio	Lower	Upper
84	100		
49	117.9	92.4	138.6
51	28.7	28.5	42.7
86	53.2	48.2	72.4

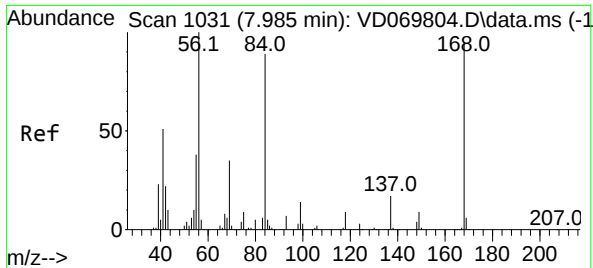


#23
Vinyl Acetate
Concen: 20.368 ug/l
RT: 6.391 min Scan# 760
Delta R.T. 0.088 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51



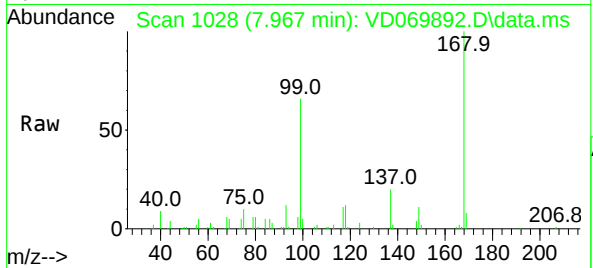
Tgt Ion:	43	Resp:	62
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#



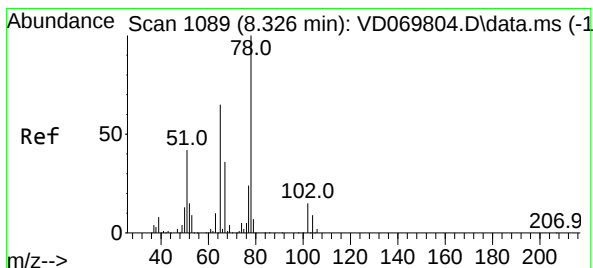
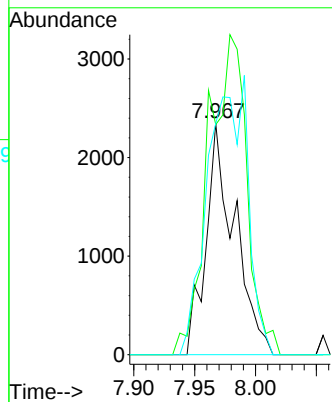
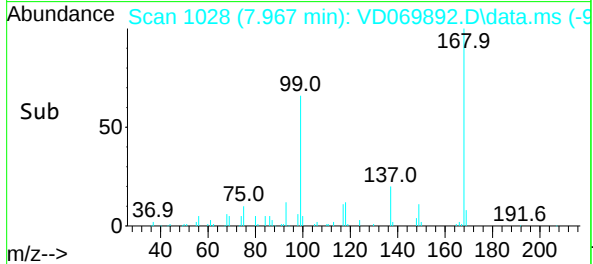


#31
Cyclohexane
Concen: 1.158 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.018 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

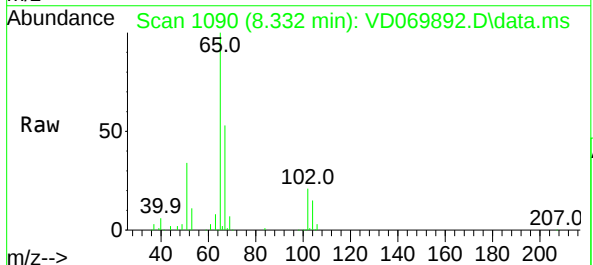
Instrument :
MSVOA_D
ClientSampleId :



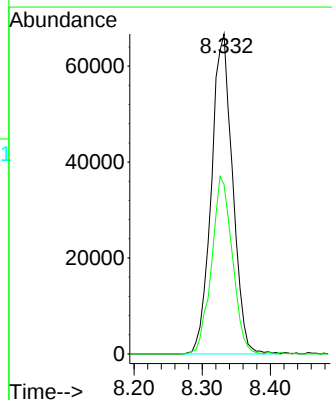
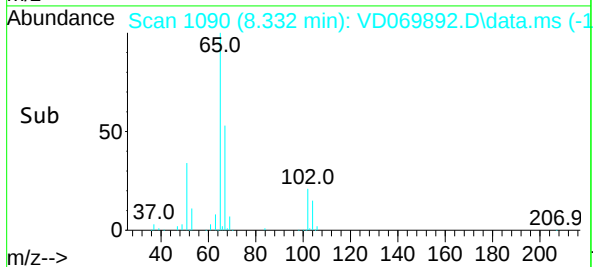
Tgt Ion: 56 Resp: 3861
Ion Ratio Lower Upper
56 100
69 99.3 27.9 41.9#
84 99.7 71.4 107.2

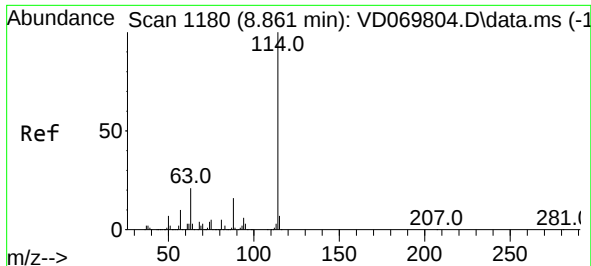


#33
1,2-Dichloroethane-d4
Concen: 84.722 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51



Tgt Ion: 65 Resp: 144591
Ion Ratio Lower Upper
65 100
67 54.3 0.0 111.2

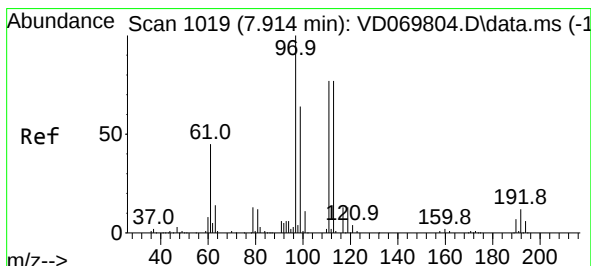
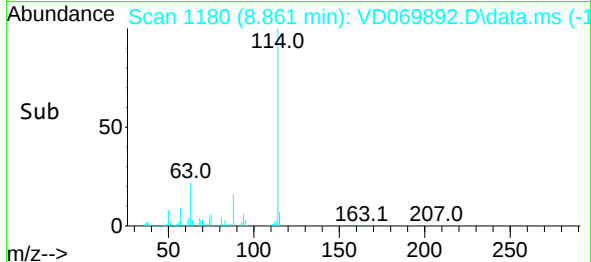
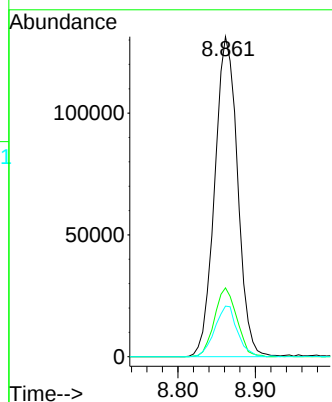
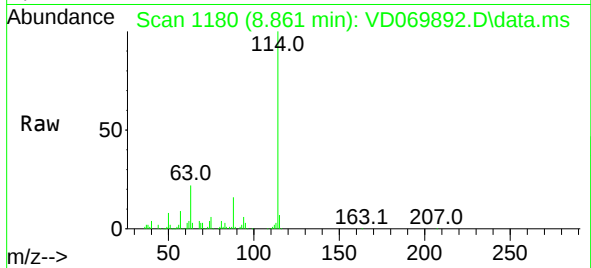




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

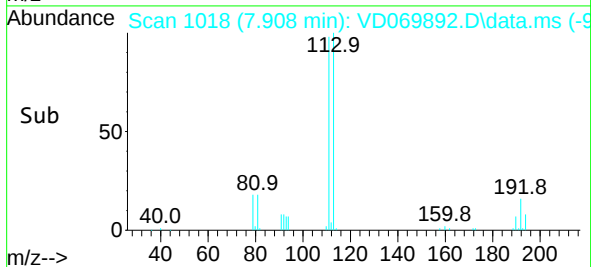
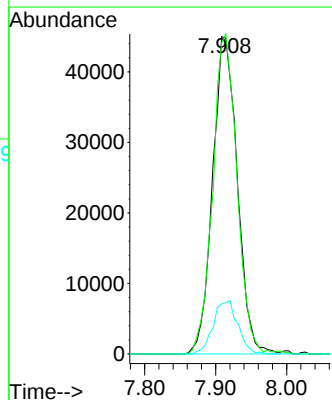
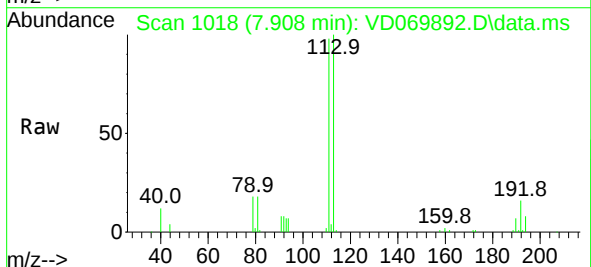
Instrument :
MSVOA_D
ClientSampleId :

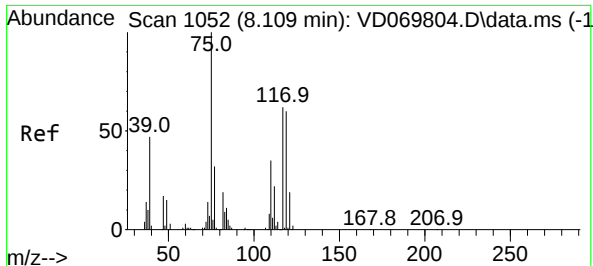
Tgt Ion:	114	Resp:	269242
Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	41.6
88	15.8	0.0	31.4



#35
Dibromofluoromethane
Concen: 64.016 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

Tgt Ion:	113	Resp:	108654
Ion	Ratio	Lower	Upper
113	100		
111	99.0	80.5	120.7
192	16.7	12.6	19.0

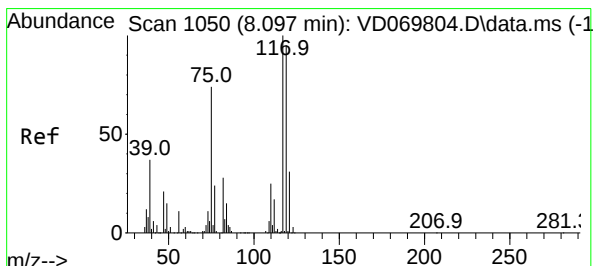
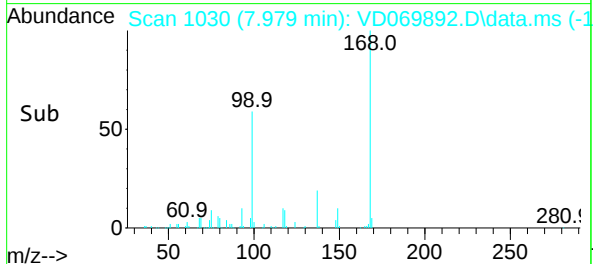
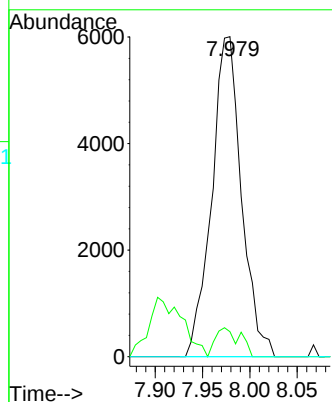
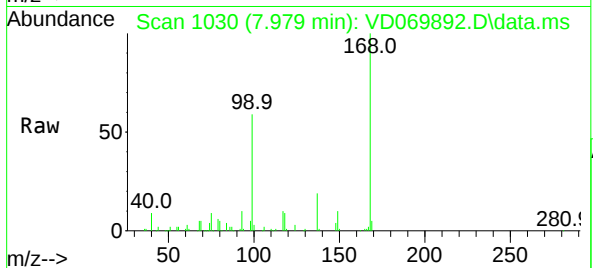




#36
1,1-Dichloropropene
Concen: 4.528 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

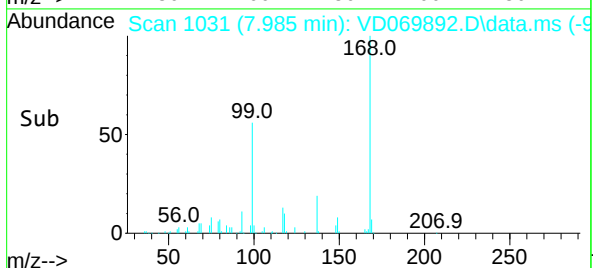
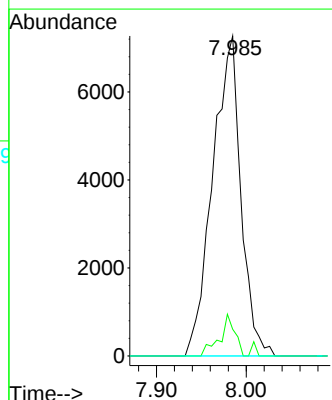
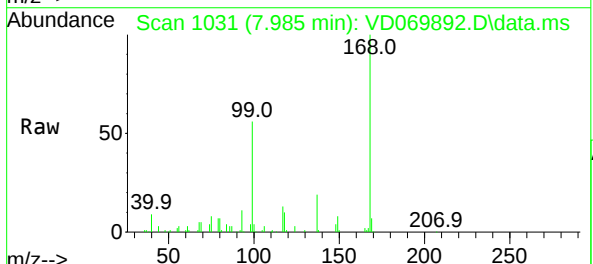
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 13157
Ion Ratio Lower Upper
75 100
110 7.4 16.9 50.7#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.992 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

Tgt Ion: 117 Resp: 15902
Ion Ratio Lower Upper
117 100
119 8.4 76.2 114.2#
121 0.0 24.5 36.7#

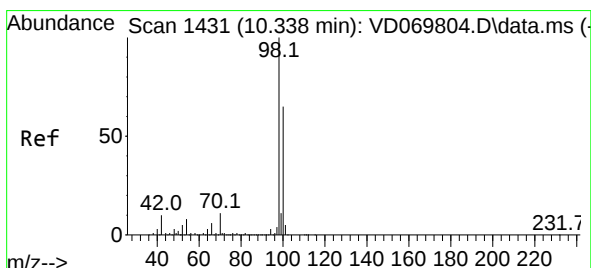
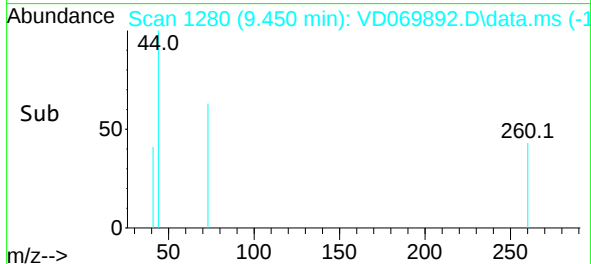
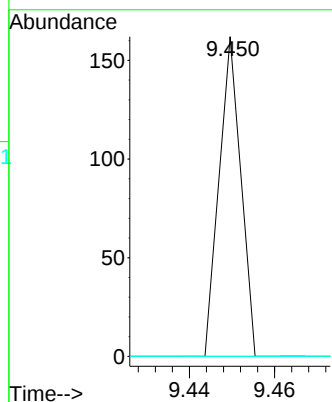
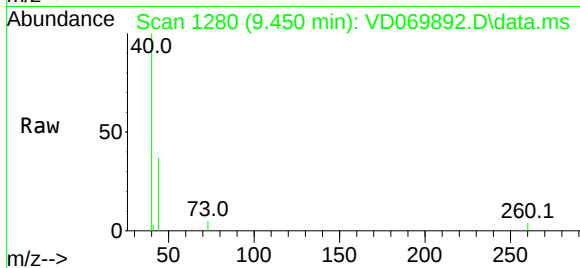




#48
Methyl methacrylate
Concen: 2.800 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

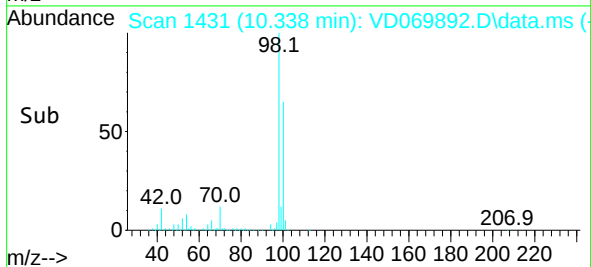
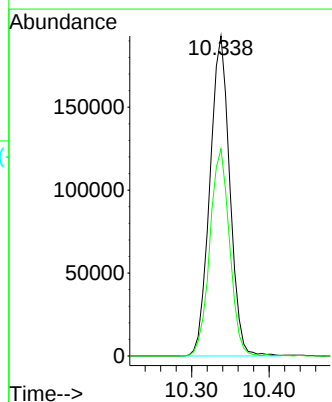
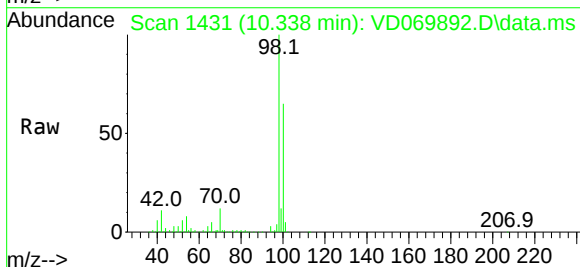
Instrument :
MSVOA_D
ClientSampled :

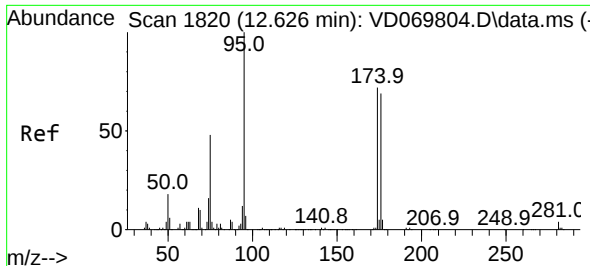
Tgt Ion: 41 Resp: 57
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 52.553 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

Tgt Ion: 98 Resp: 343942
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

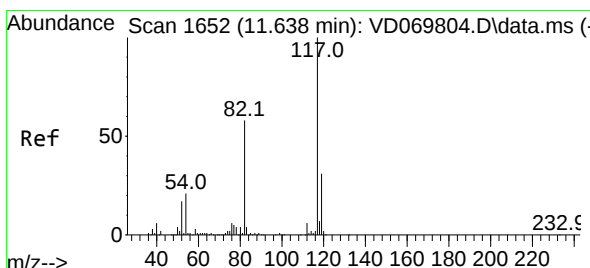
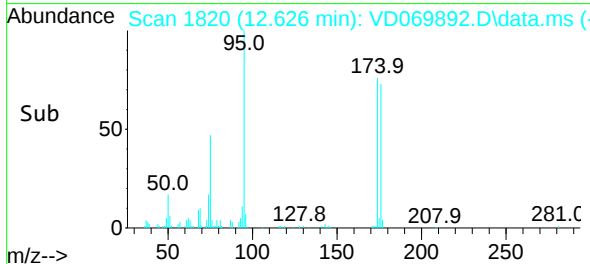
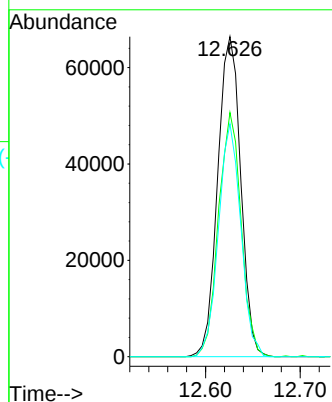
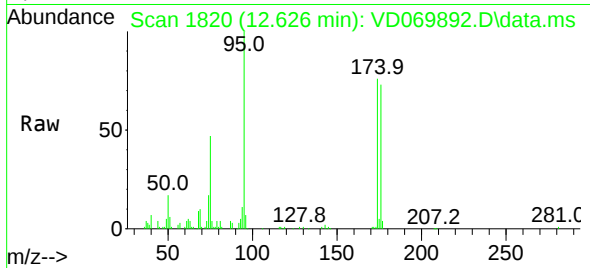




#62
4-Bromofluorobenzene
Concen: 51.375 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

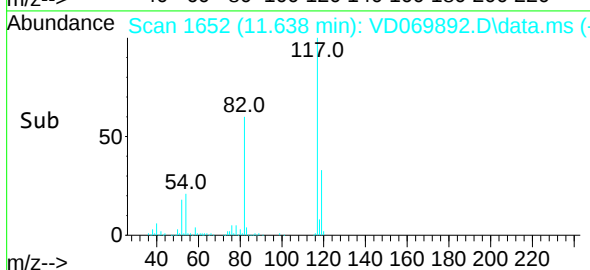
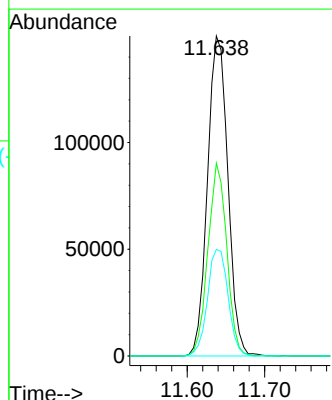
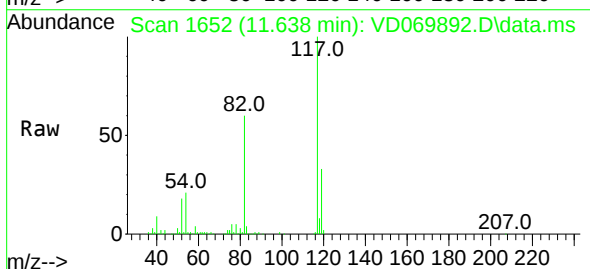
Instrument :
MSVOA_D
ClientSampleId :

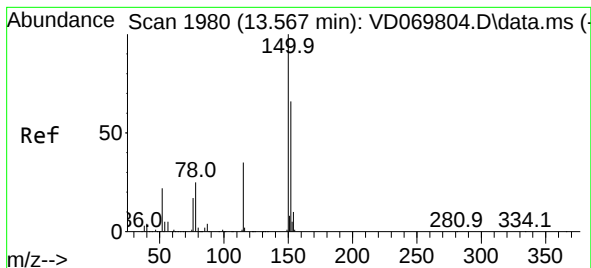
Tgt Ion: 95 Resp: 112370
Ion Ratio Lower Upper
95 100
174 74.7 0.0 142.6
176 70.4 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

Tgt Ion: 117 Resp: 273290
Ion Ratio Lower Upper
117 100
82 60.3 46.3 69.5
119 33.3 24.7 37.1

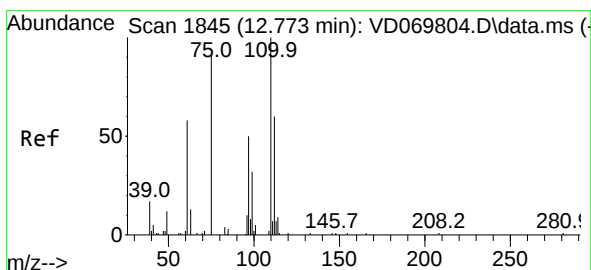
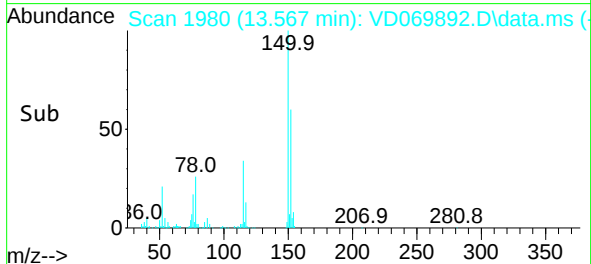
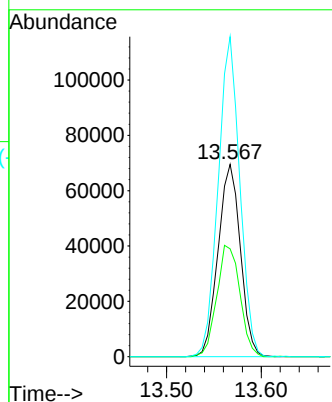
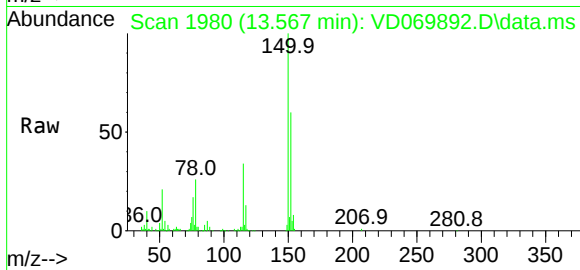




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069892.D
 Acq: 28 Jul 2021 16:51

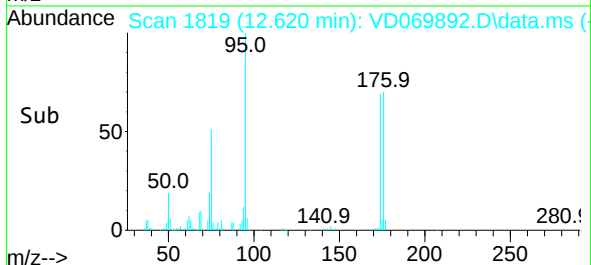
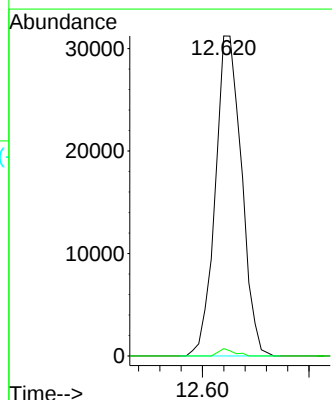
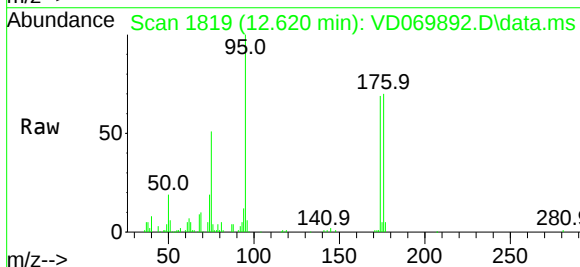
Instrument :
 MSVOA_D
 ClientSampleId :

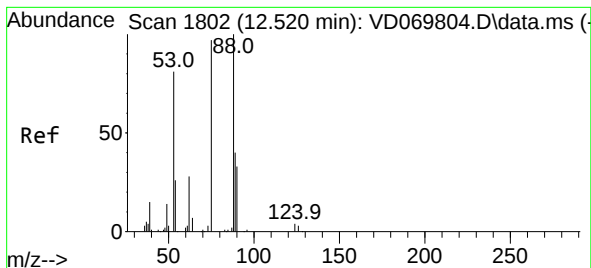
Tgt Ion:152 Resp: 113881
 Ion Ratio Lower Upper
 152 100
 115 60.0 31.1 93.3
 150 161.3 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 44.144 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.153 min
 Lab File: VD069892.D
 Acq: 28 Jul 2021 16:51

Tgt Ion: 75 Resp: 53435
 Ion Ratio Lower Upper
 75 100
 77 1.4 181.5 544.5#

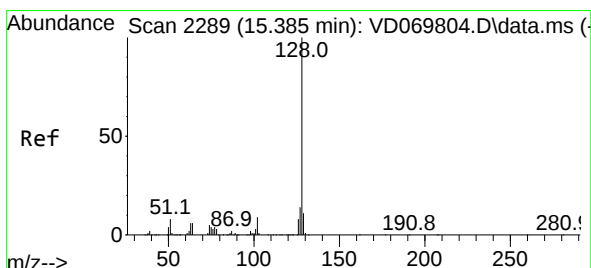
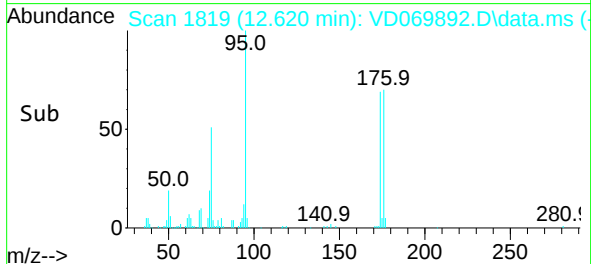
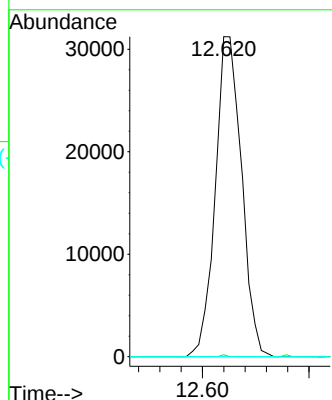
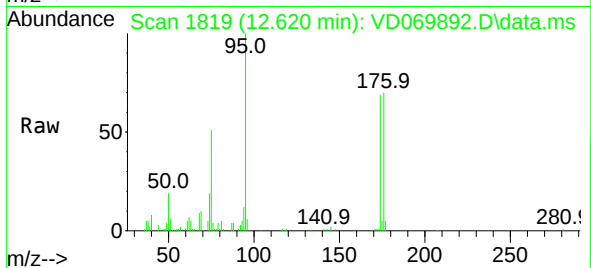




#81
trans-1,4-Dichloro-2-butene
Concen: 133.921 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 53435
Ion Ratio Lower Upper
75 100
53 0.1 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.080 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.012 min
Lab File: VD069892.D
Acq: 28 Jul 2021 16:51

Tgt Ion: 128 Resp: 335
Ion Ratio Lower Upper
128 100
127 23.9 10.6 16.0#
129 16.7 8.6 12.8#

