

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072321\
 Data File : VD069838.D
 Acq On : 23 Jul 2021 19:39
 Operator : VA/SY
 Sample : M3117-09
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 24 01:36:57 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)

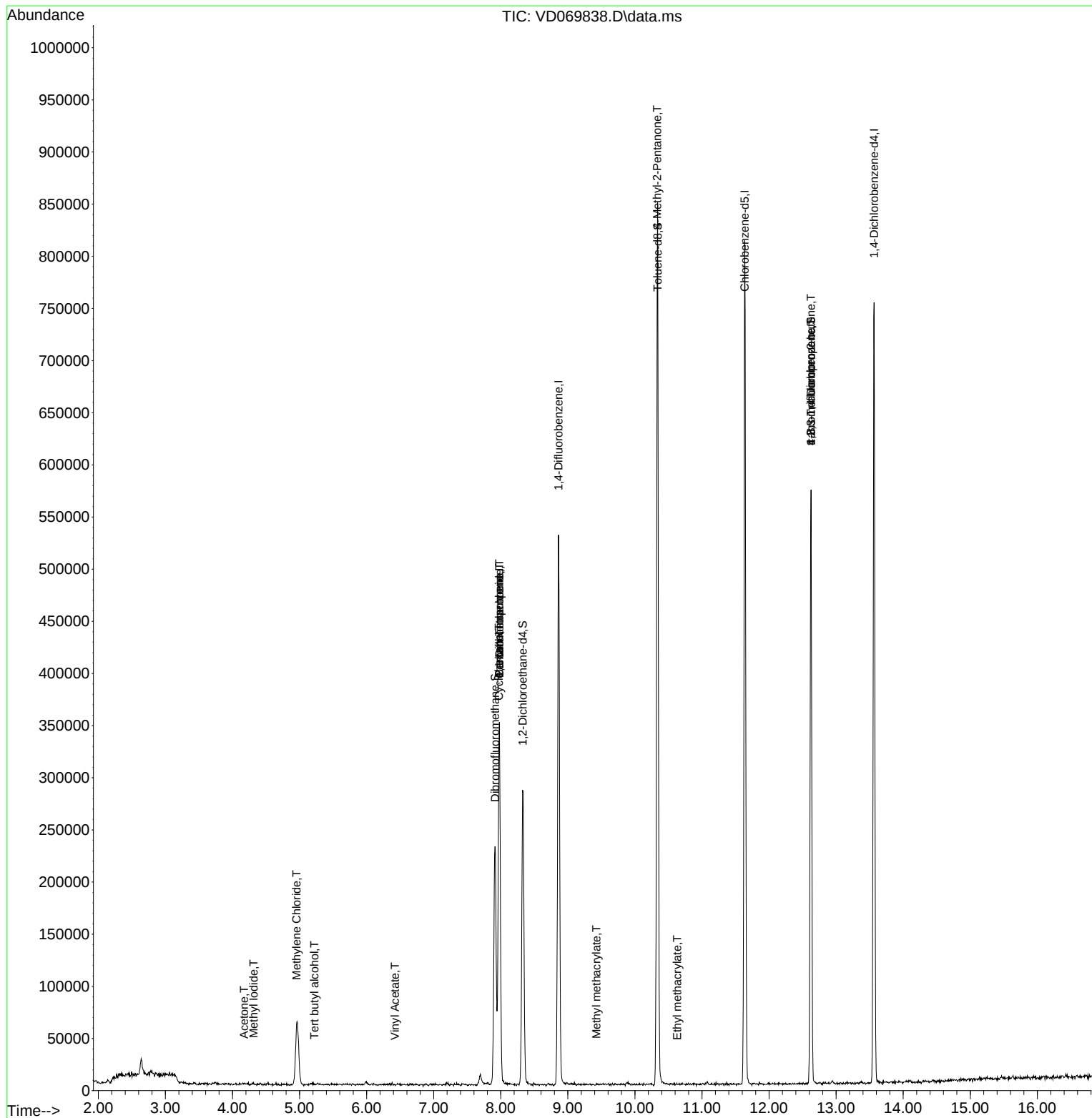
Internal Standards						
1) Pentafluorobenzene	7.979	168	243241	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	448883	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	480145	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	208725	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	229503	82.039	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 164.080%#	
35) Dibromofluoromethane	7.914	113	176056	62.216	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 124.440%	
50) Toluene-d8	10.338	98	576017	52.790	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.580%	
62) 4-Bromofluorobenzene	12.626	95	200028	54.853	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.700%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.791	94	2728	Below Cal	#	71
10) Methyl Iodide	4.314	142	996	3.769	ug/l #	40
11) Tert butyl alcohol	5.220	59	242	1.672	ug/l #	73
16) Acetone	4.173	43	1929	3.817	ug/l	90
20) Methylene Chloride	4.956	84	50215	8.471	ug/l	91
23) Vinyl Acetate	6.420	43	68	20.362	ug/l #	71
31) Cyclohexane	7.973	56	6130	1.121	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	21085	4.353	ug/l #	50
38) Carbon Tetrachloride	7.979	117	26682	6.030	ug/l #	16
48) Methyl methacrylate	9.426	41	68	2.785	ug/l #	17
51) 4-Methyl-2-Pentanone	10.332	43	2897	1.760	ug/l #	1
56) Ethyl methacrylate	10.632	69	58	3.913	ug/l #	28
76) 1,2,3-Trichloropropane	12.626	75	92855	41.853	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	92855	126.971	ug/l #	16

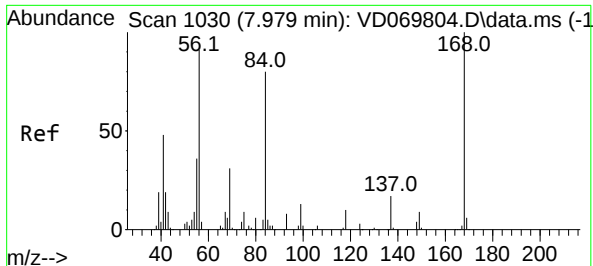
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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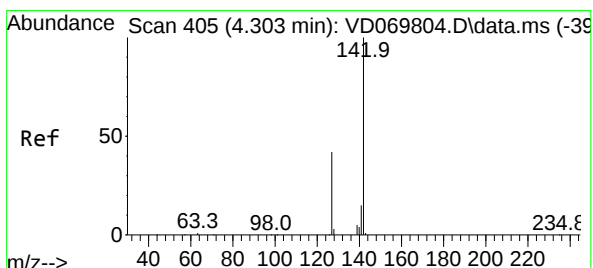
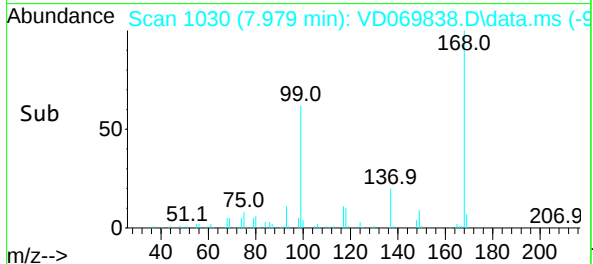
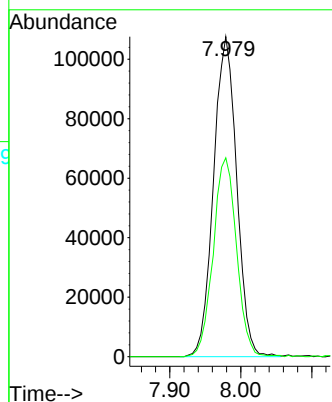
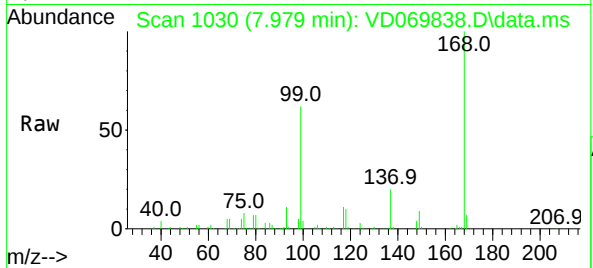




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

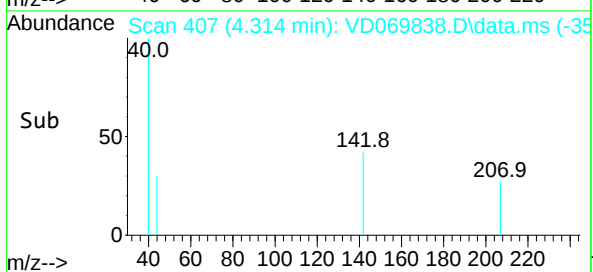
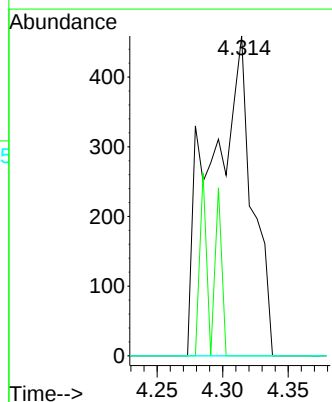
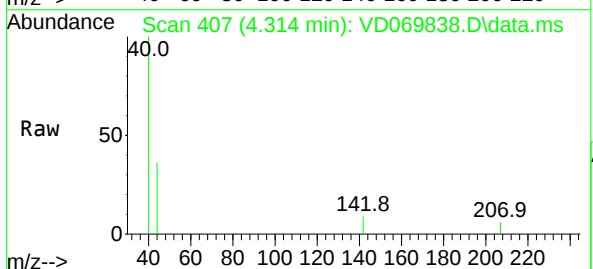
Instrument :
MSVOA_D
ClientSampleId :

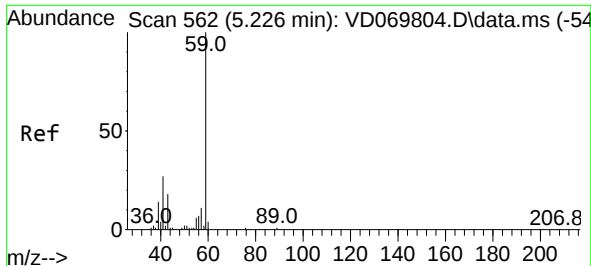
Tgt Ion:168 Resp: 243241
Ion Ratio Lower Upper
168 100
99 62.2 51.1 76.7



#10
Methyl Iodide
Concen: 3.769 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

Tgt Ion:142 Resp: 996
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#

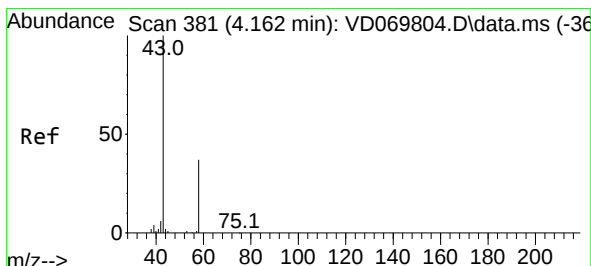
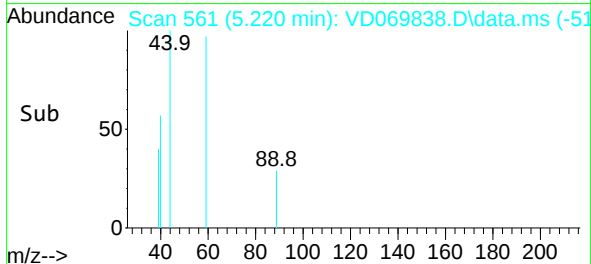
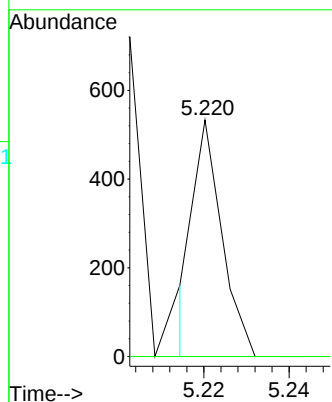
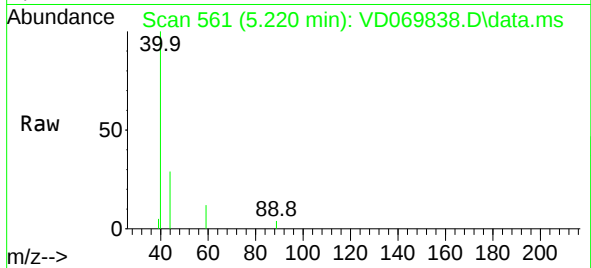




#11
Tert butyl alcohol
Concen: 1.672 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

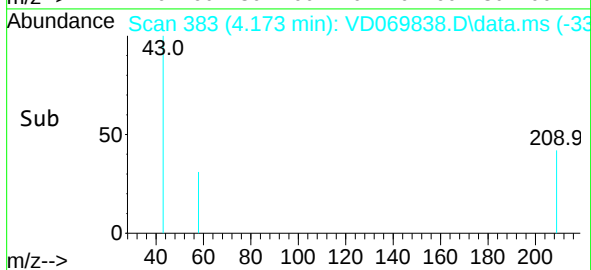
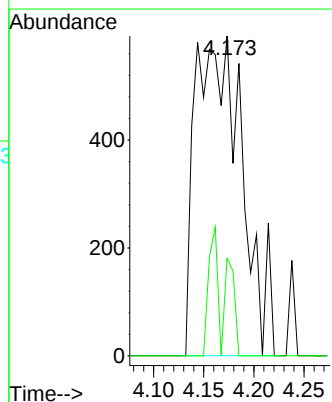
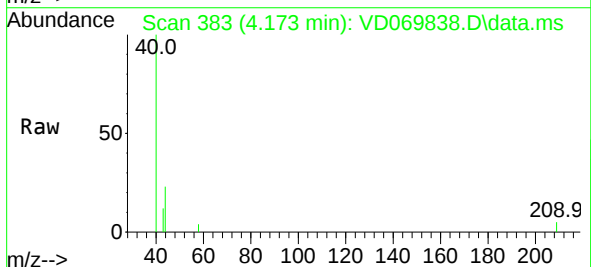
Instrument :
MSVOA_D
ClientSampled :

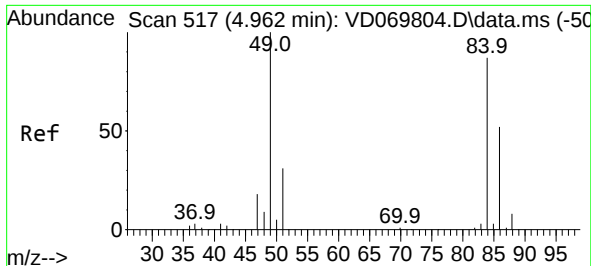
Tgt Ion: 59 Resp: 242
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#16
Acetone
Concen: 3.817 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.012 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

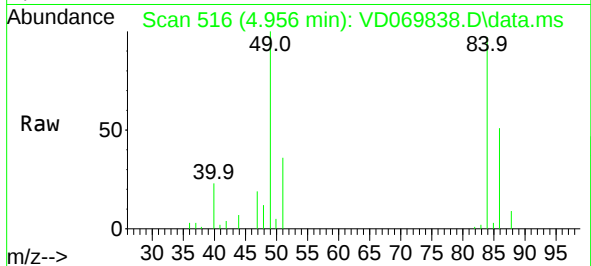
Tgt Ion: 43 Resp: 1929
Ion Ratio Lower Upper
43 100
58 30.5 29.4 44.0



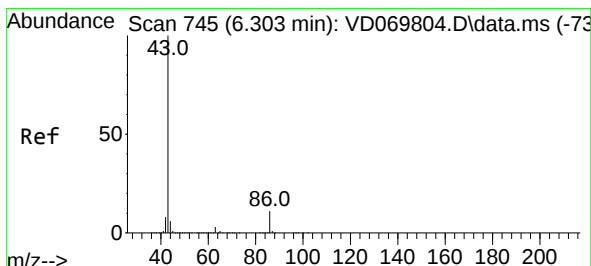
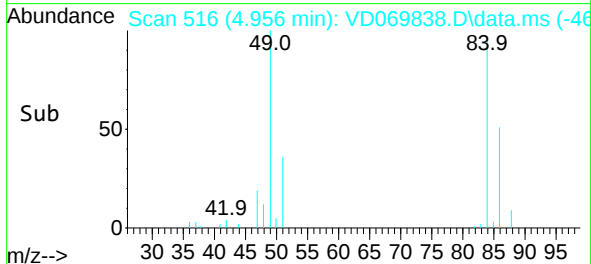
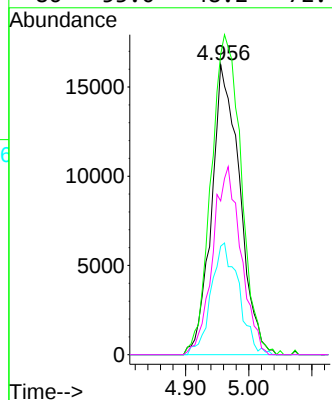


#20
Methylene Chloride
Concen: 8.471 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

Instrument :
MSVOA_D
ClientSampleId :

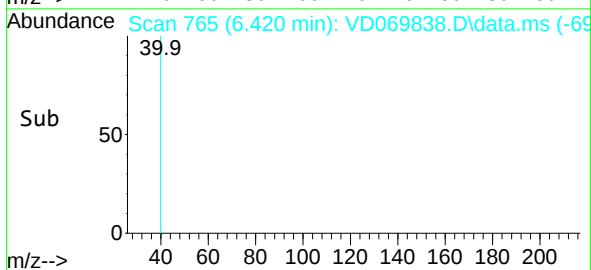
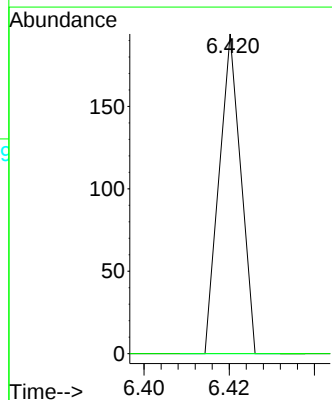
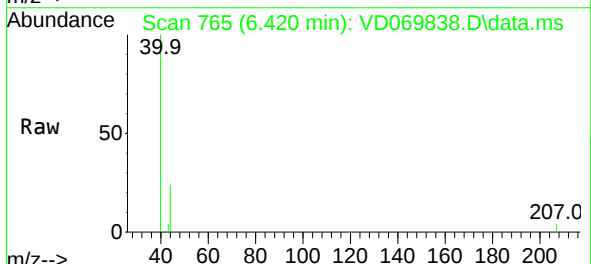


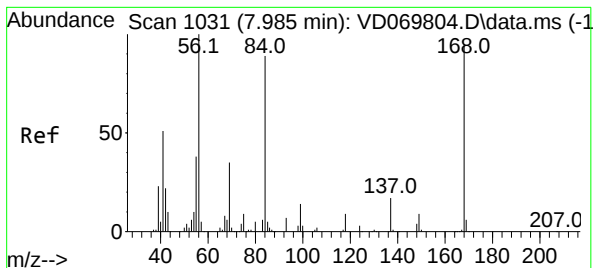
Tgt Ion: 84	Resp: 50215
Ion Ratio	Lower Upper
84 100	
49 103.6	92.4 138.6
51 37.4	28.5 42.7
86 53.0	48.2 72.4



#23
Vinyl Acetate
Concen: 20.362 ug/l
RT: 6.420 min Scan# 765
Delta R.T. 0.117 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

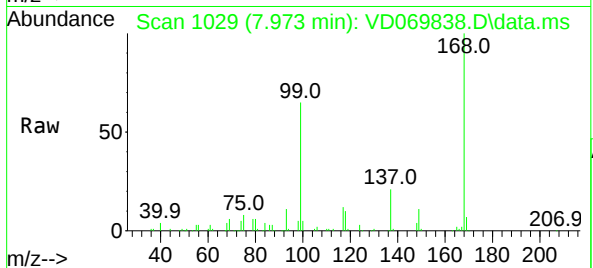
Tgt Ion: 43	Resp: 68
Ion Ratio	Lower Upper
43 100	
86 0.0	8.6 13.0#



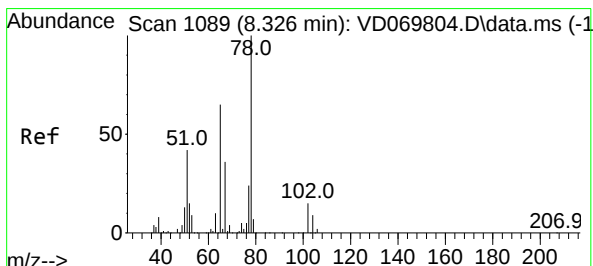
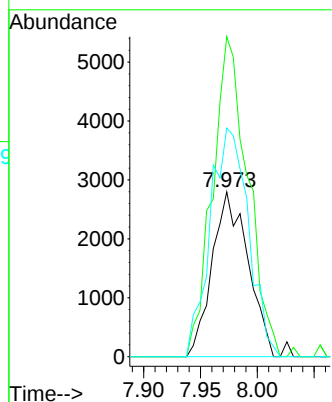
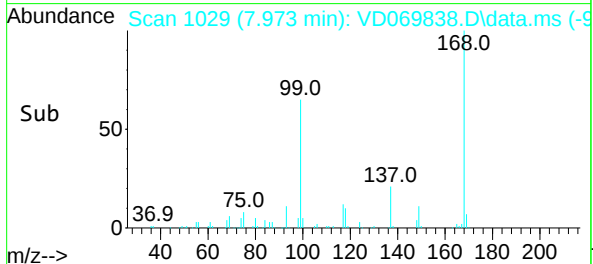


#31
Cyclohexane
Concen: 1.121 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

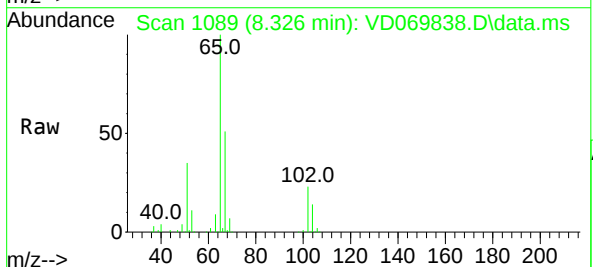
Instrument :
MSVOA_D
ClientSampleId :



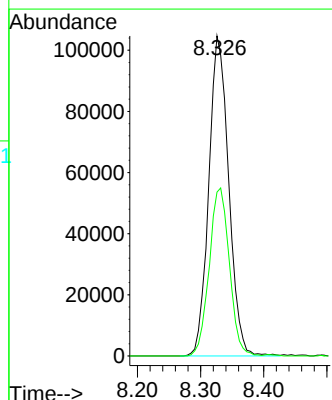
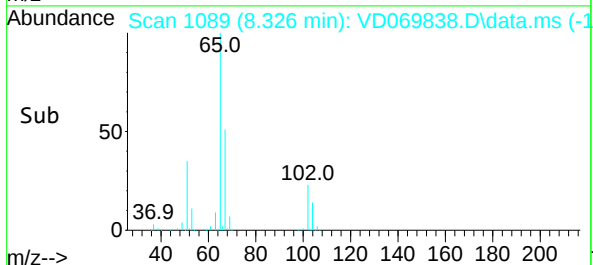
Tgt Ion: 56 Resp: 6130
Ion Ratio Lower Upper
56 100
69 194.2 27.9 41.9#
84 138.8 71.4 107.2#

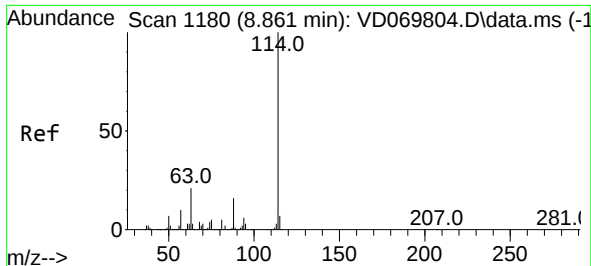


#33
1,2-Dichloroethane-d4
Concen: 82.039 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39



Tgt Ion: 65 Resp: 229503
Ion Ratio Lower Upper
65 100
67 53.1 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: VD069838.D

Acq: 23 Jul 2021 19:39

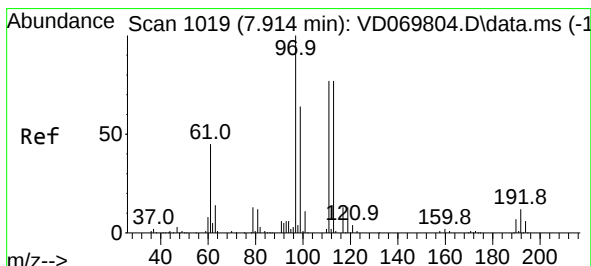
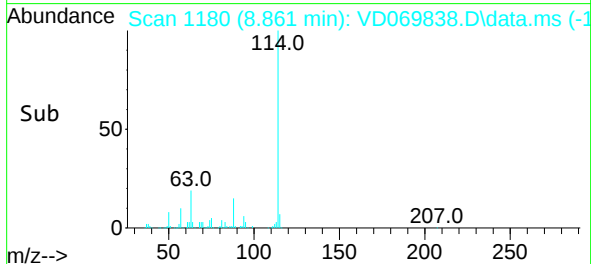
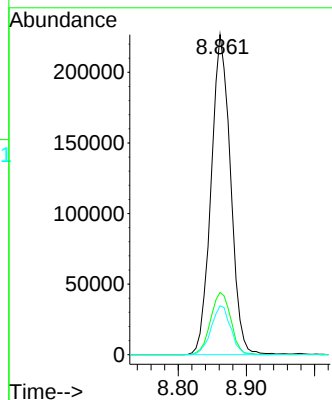
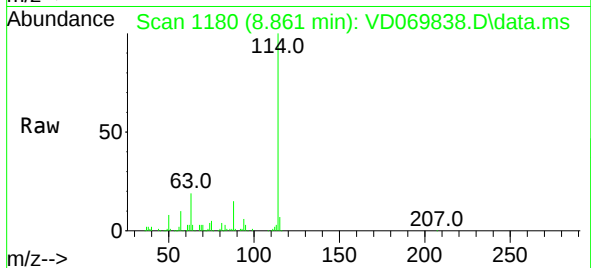
Tgt Ion:114 Resp: 448883

Ion Ratio Lower Upper

114 100

63 19.4 0.0 41.6

88 15.3 0.0 31.4



#35

Dibromofluoromethane

Concen: 62.216 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069838.D

Acq: 23 Jul 2021 19:39

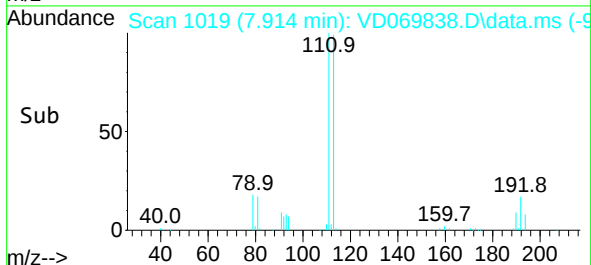
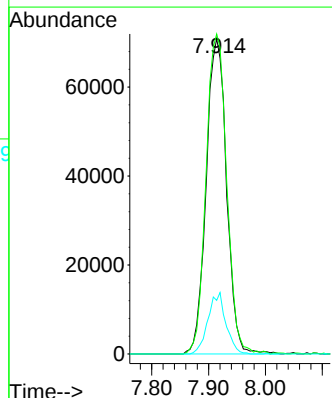
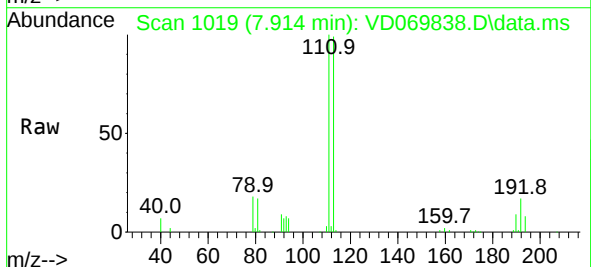
Tgt Ion:113 Resp: 176056

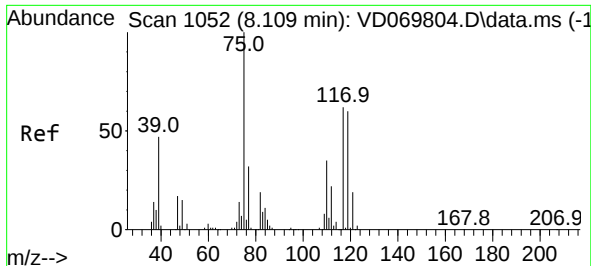
Ion Ratio Lower Upper

113 100

111 103.0 80.5 120.7

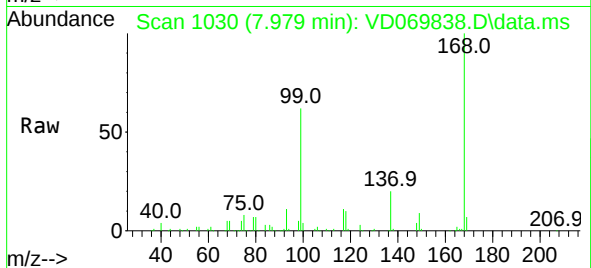
192 17.1 12.6 19.0



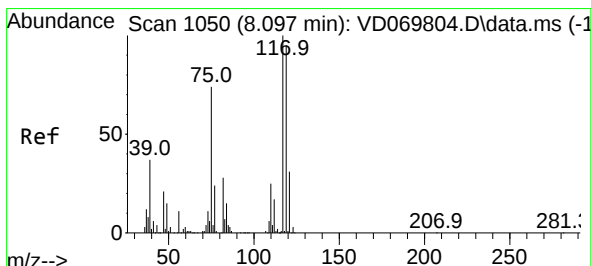
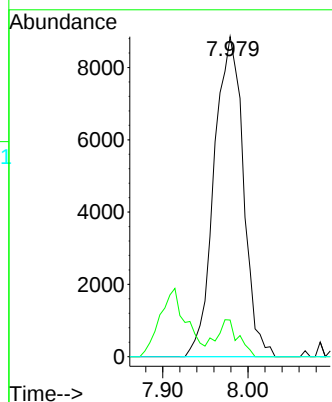
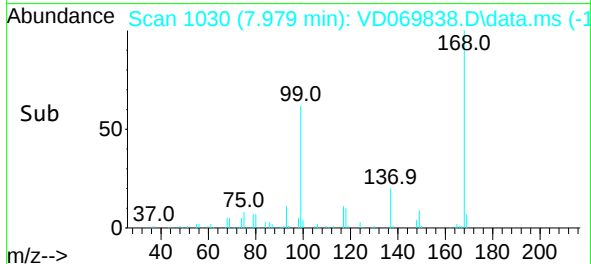


#36
1,1-Dichloropropene
Concen: 4.353 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

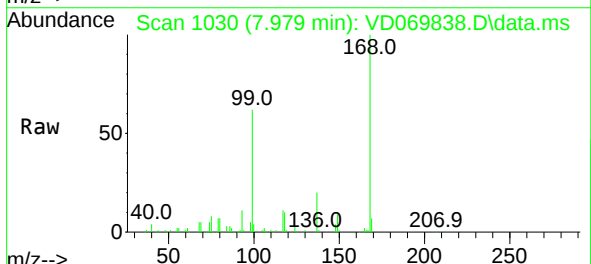
Instrument :
MSVOA_D
ClientSampled :



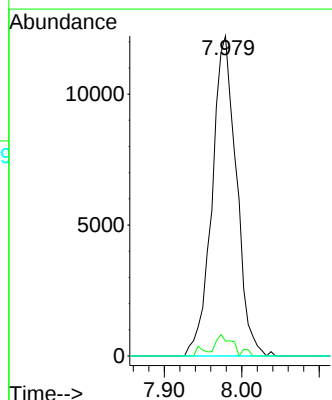
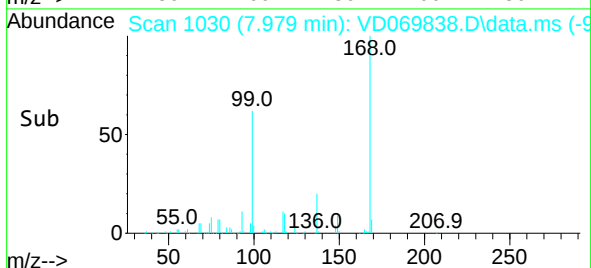
Tgt Ion: 75 Resp: 21085
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.7#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 6.030 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39



Tgt Ion: 117 Resp: 26682
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.5 36.7#

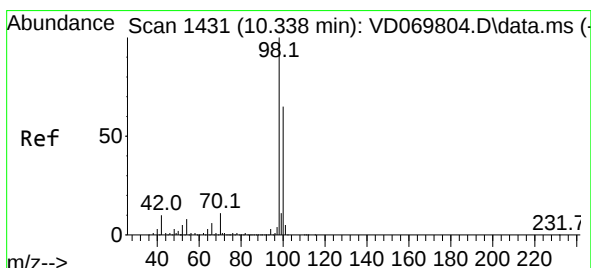
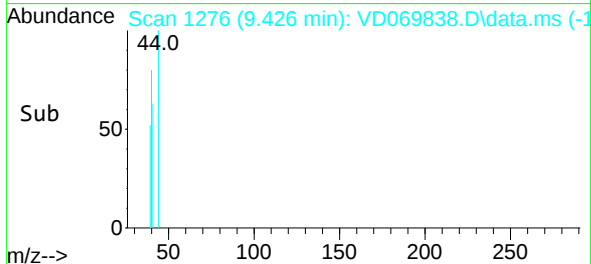
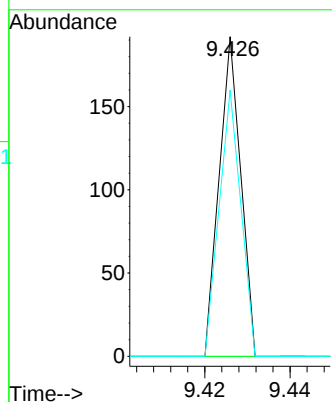
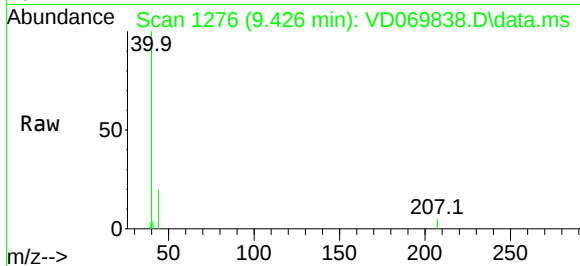




#48
Methyl methacrylate
Concen: 2.785 ug/l
RT: 9.426 min Scan# 1276
Delta R.T. -0.024 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

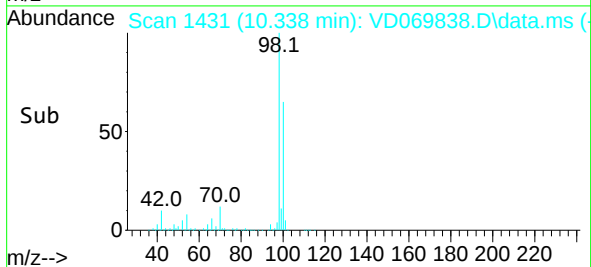
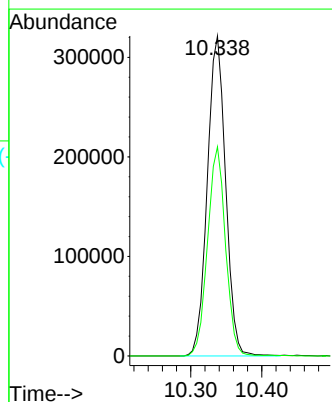
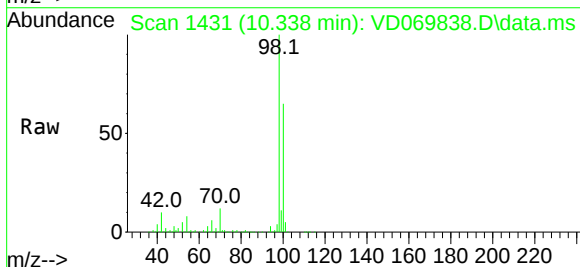
Instrument :
MSVOA_D
ClientSampled :

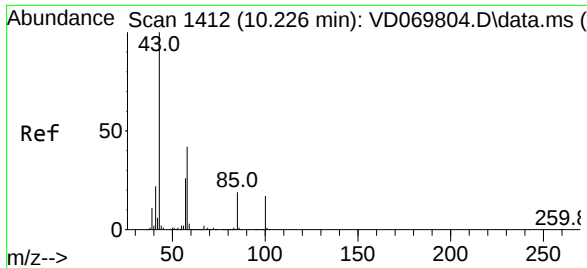
Tgt Ion: 41 Resp: 68
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 82.4 36.6 55.0#



#50
Toluene-d8
Concen: 52.790 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

Tgt Ion: 98 Resp: 576017
Ion Ratio Lower Upper
98 100
100 64.2 51.9 77.9

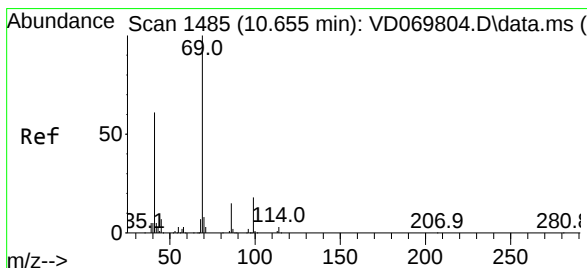
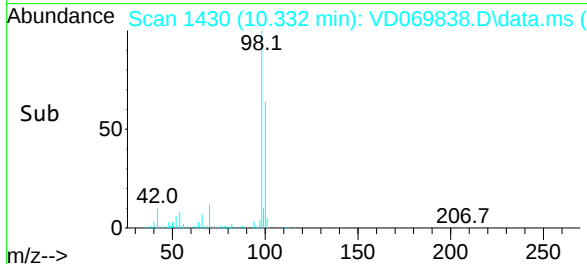
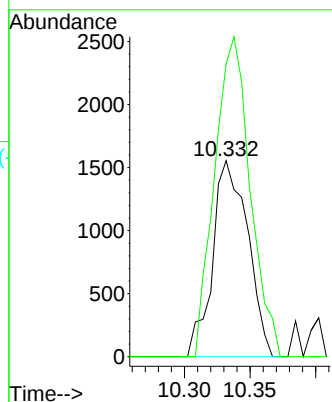
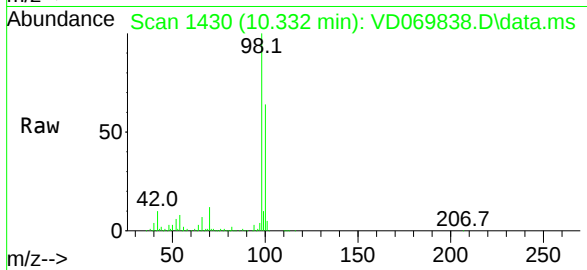




#51
4-Methyl-2-Pentanone
Concen: 1.760 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

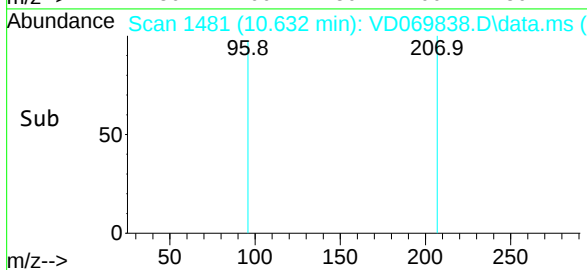
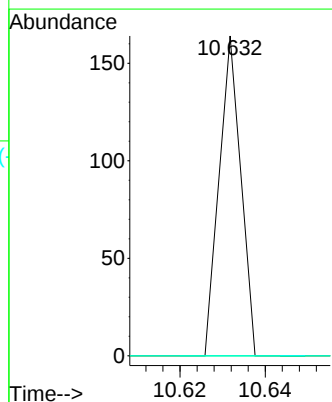
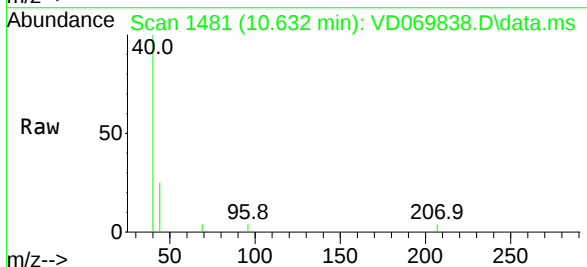
Instrument :
MSVOA_D
ClientSampled :

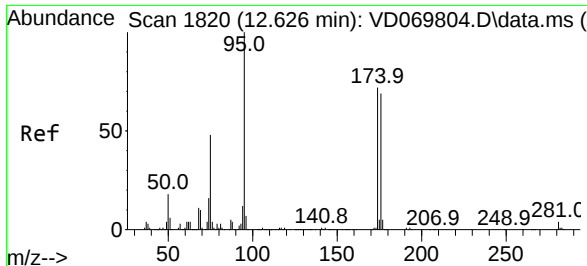
Tgt Ion: 43 Resp: 2897
Ion Ratio Lower Upper
43 100
58 165.0 33.7 50.5#



#56
Ethyl methacrylate
Concen: 3.913 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.023 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

Tgt Ion: 69 Resp: 58
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 22.0 33.0#

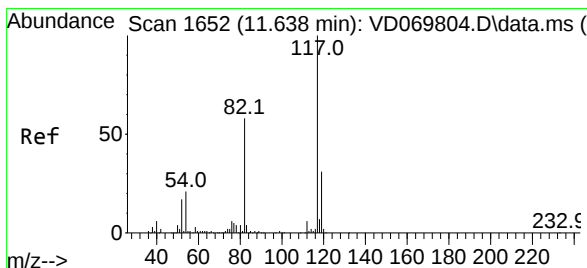
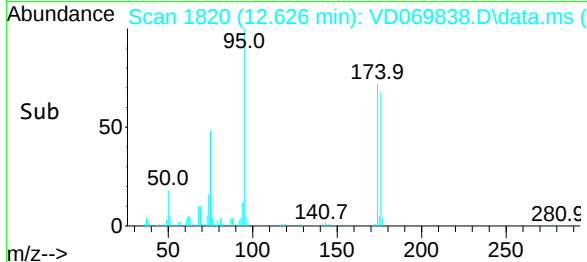
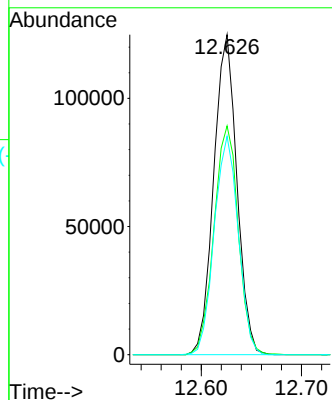
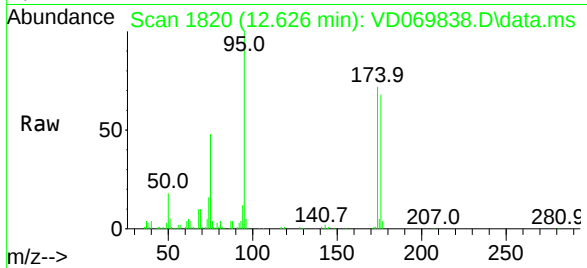




#62
4-Bromofluorobenzene
Concen: 54.853 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

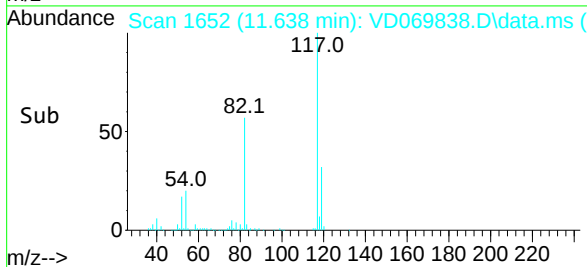
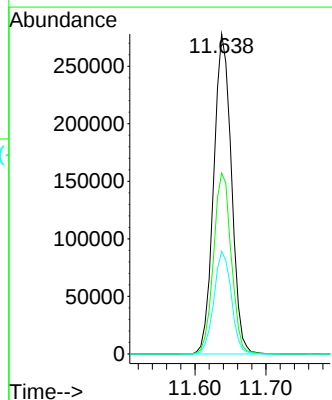
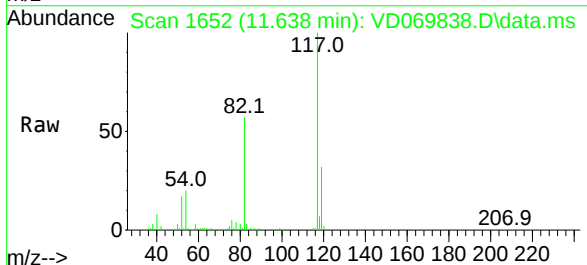
Instrument :
MSVOA_D
ClientSampleId :

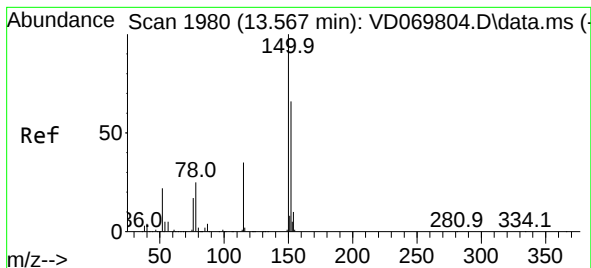
Tgt Ion: 95 Resp: 200028
Ion Ratio Lower Upper
95 100
174 75.2 0.0 142.6
176 70.7 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

Tgt Ion: 117 Resp: 480145
Ion Ratio Lower Upper
117 100
82 56.5 46.3 69.5
119 32.1 24.7 37.1



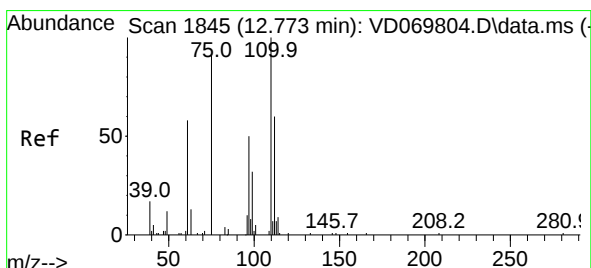
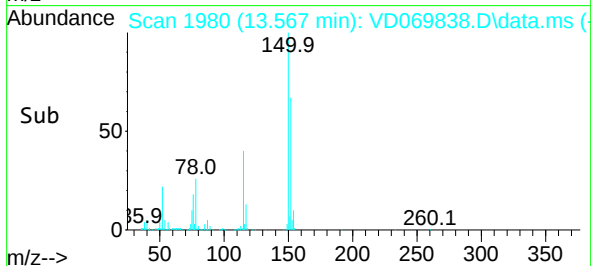
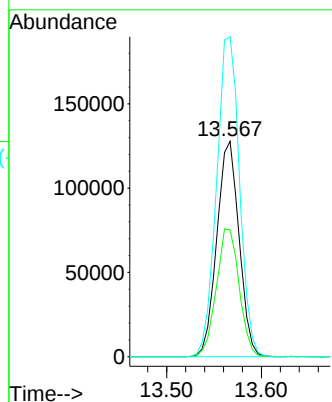
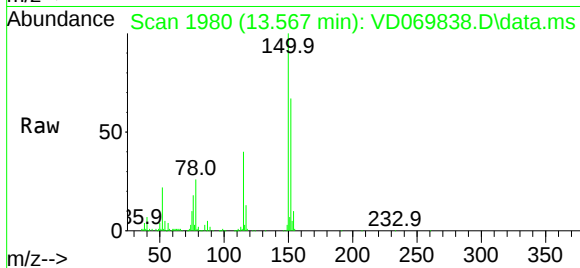


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

Instrument :
MSVOA_D
ClientSampleId :

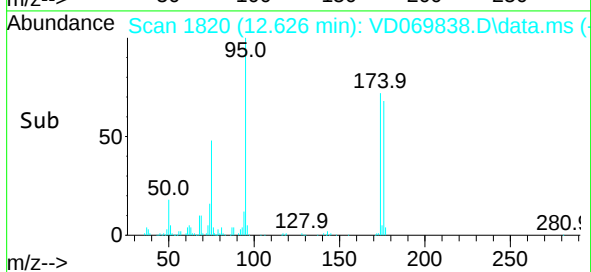
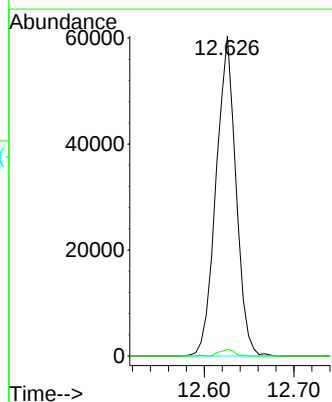
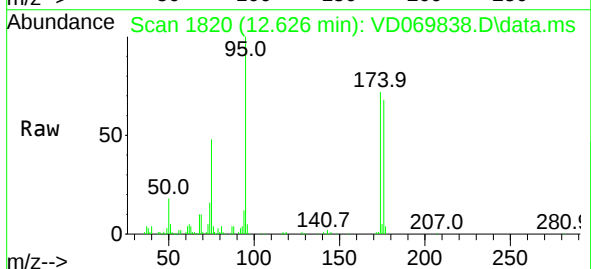
Tgt Ion:152 Resp: 208725
Ion Ratio Lower Upper
152 100
115 60.7 31.1 93.3
150 153.1 0.0 343.0

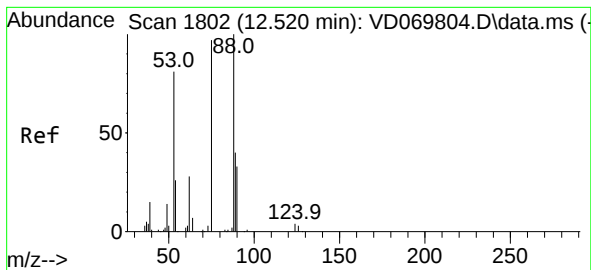


#76

1,2,3-Trichloropropane
Concen: 41.853 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069838.D
Acq: 23 Jul 2021 19:39

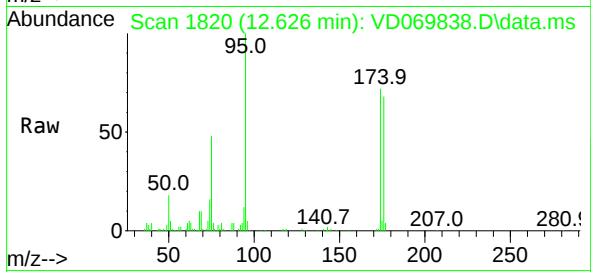
Tgt Ion: 75 Resp: 92855
Ion Ratio Lower Upper
75 100
77 1.6 181.5 544.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.971 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069838.D
 Acq: 23 Jul 2021 19:39

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 92855
 Ion Ratio Lower Upper
 75 100
 53 0.7 67.2 100.8#
 89 0.1 35.8 53.6#

