

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072721\
 Data File : VD069876.D
 Acq On : 27 Jul 2021 19:46
 Operator : VA/SY
 Sample : M3178-02
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 04:01:38 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)

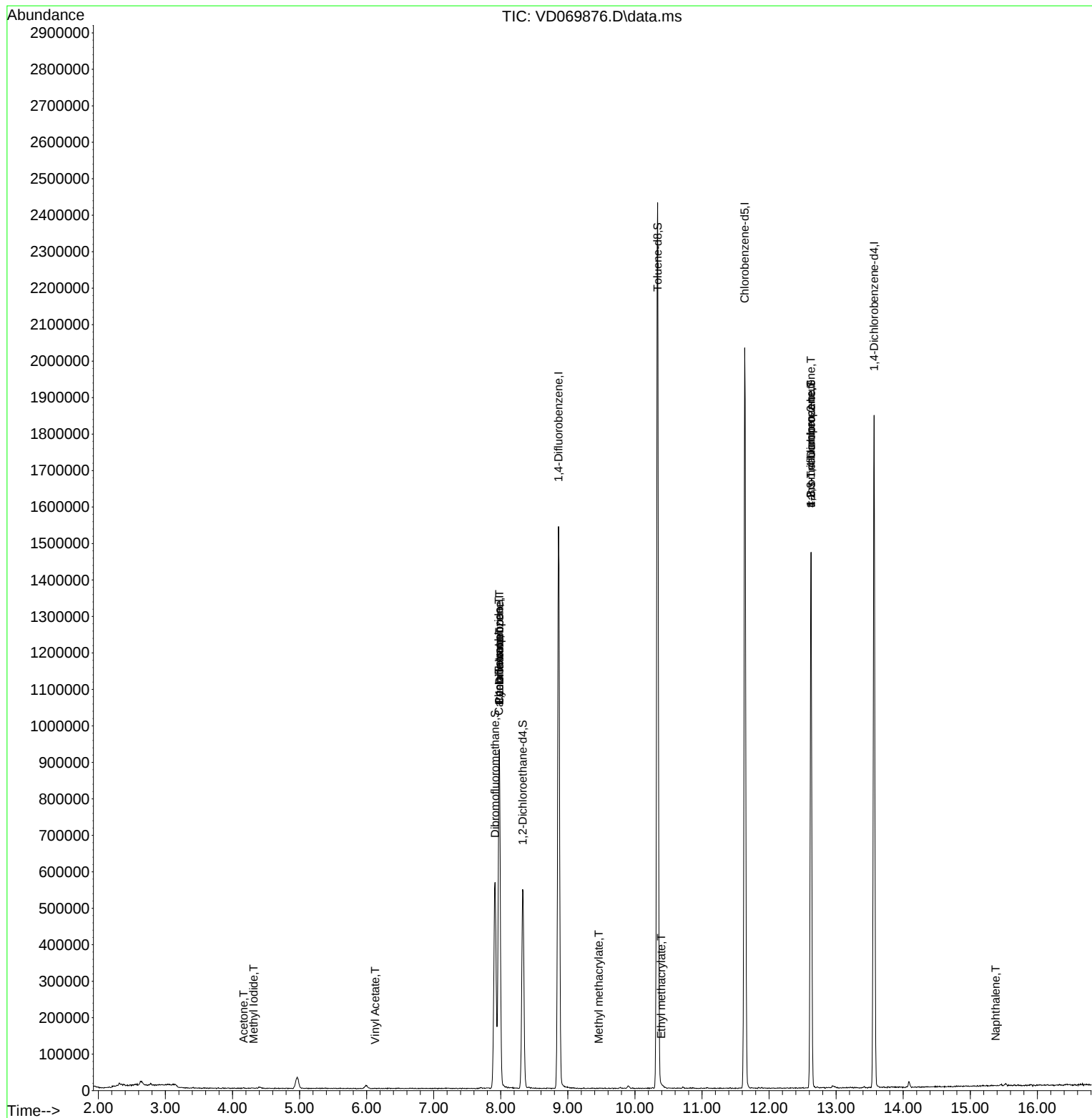
Internal Standards						
1) Pentafluorobenzene	7.979	168	658316	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1303239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	1171859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	471024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	434096	57.335	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.660%			
35) Dibromofluoromethane	7.914	113	430644	52.418	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.840%			
50) Toluene-d8	10.338	98	1668341	52.664	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.320%			
62) 4-Bromofluorobenzene	12.626	95	490547	46.334	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.660%			
Target Compounds						
5) Bromomethane	2.779	94	2261	Below Cal	#	70
10) Methyl Iodide	4.314	142	829	3.557	ug/l #	49
16) Acetone	4.167	43	1870	1.367	ug/l	99
20) Methylene Chloride	4.955	84	25439	Below Cal		91
23) Vinyl Acetate	6.126	43	60	20.353	ug/l #	71
31) Cyclohexane	7.979	56	15263	1.032	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	58192	4.138	ug/l #	49
38) Carbon Tetrachloride	7.973	117	71423	5.560	ug/l #	17
48) Methyl methacrylate	9.461	41	55	2.757	ug/l #	13
56) Ethyl methacrylate	10.390	69	126	3.909	ug/l #	45
76) 1,2,3-Trichloropropane	12.626	75	236370	47.211	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	236370	143.227	ug/l #	16
95) Naphthalene	15.378	128	329	5.018	ug/l #	69

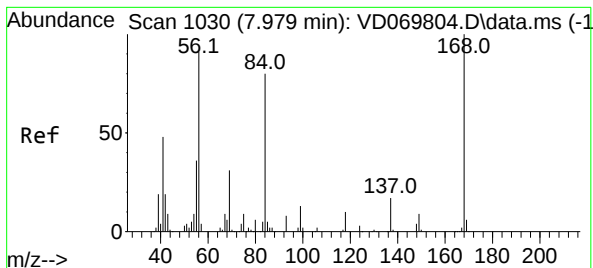
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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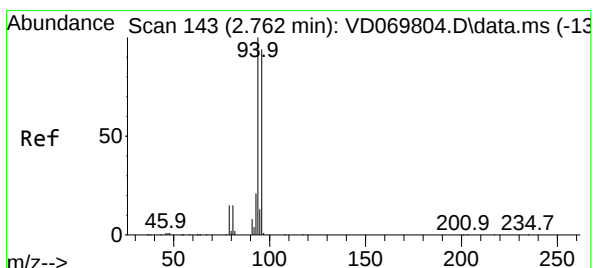
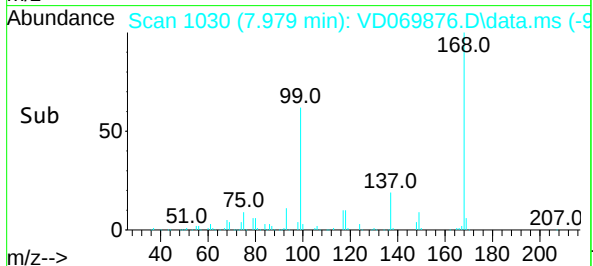
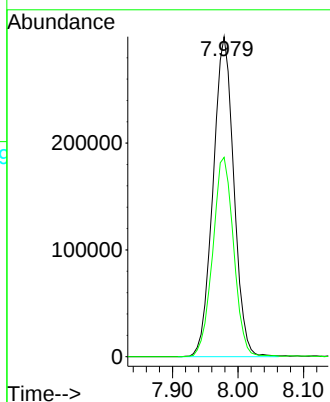
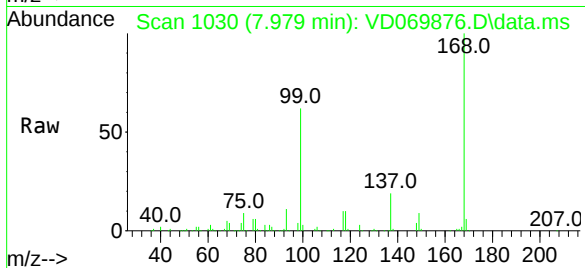




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

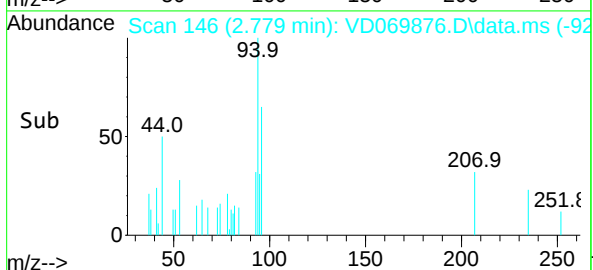
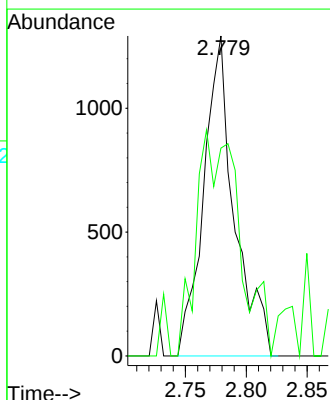
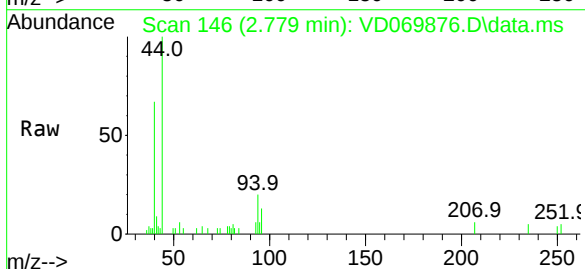
Instrument :
MSVOA_D
ClientSampleId :

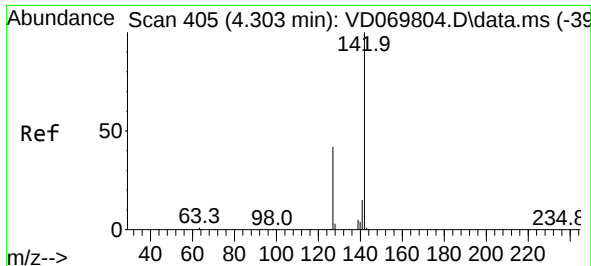
Tgt Ion:168 Resp: 658316
Ion Ratio Lower Upper
168 100
99 62.3 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

Tgt Ion: 94 Resp: 2261
Ion Ratio Lower Upper
94 100
96 64.9 74.8 112.2#

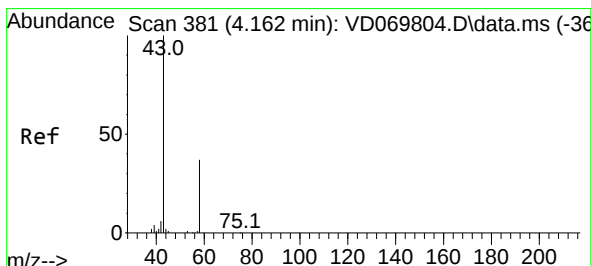
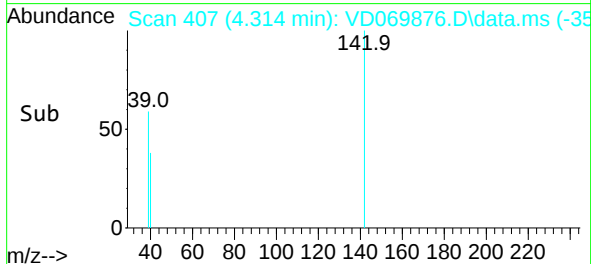
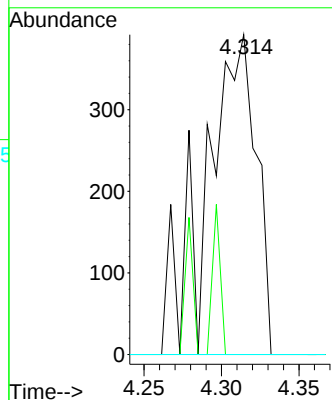
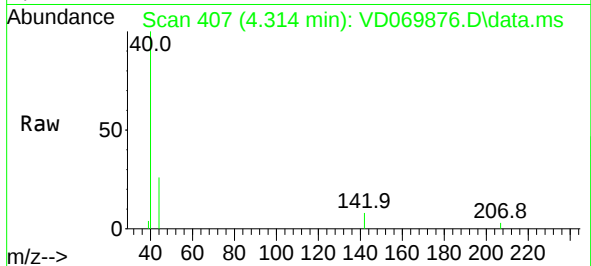




#10
Methyl Iodide
Concen: 3.557 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

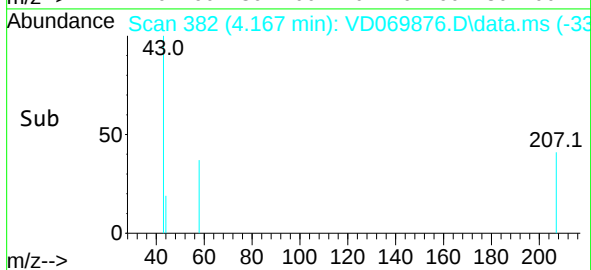
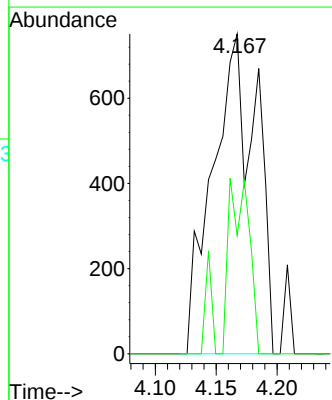
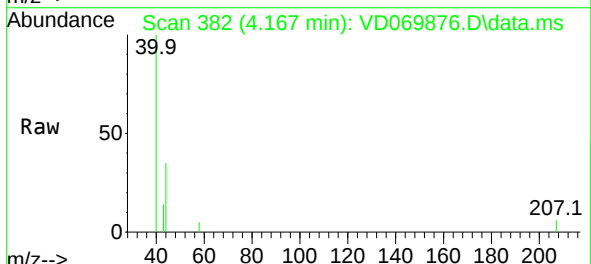
Instrument :
MSVOA_D
ClientSampled :

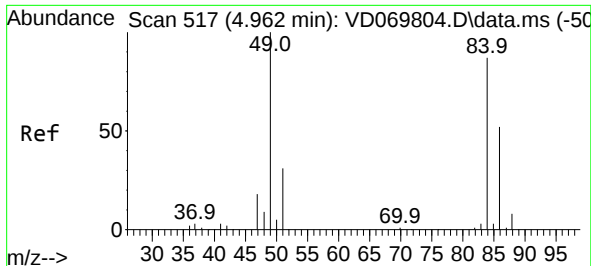
Tgt Ion:142 Resp: 829
Ion Ratio Lower Upper
142 100
127 7.8 35.7 53.5#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 1.367 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

Tgt Ion: 43 Resp: 1870
Ion Ratio Lower Upper
43 100
58 37.0 29.4 44.0

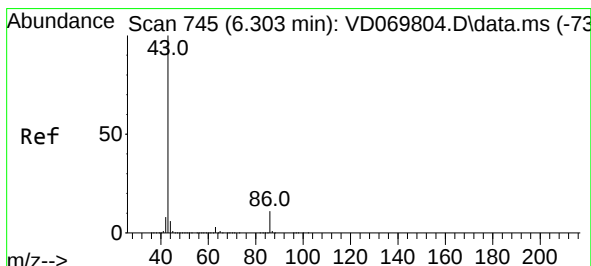
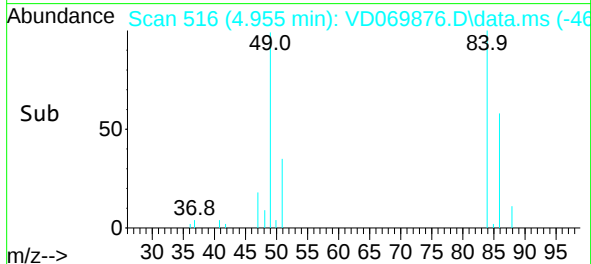
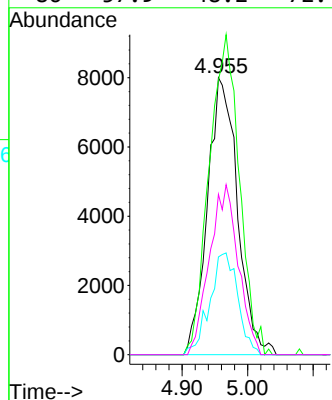
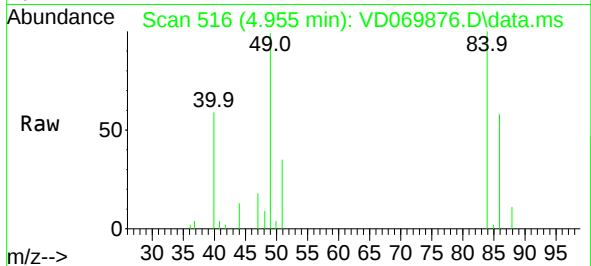




#20
Methylene Chloride
Concen: Below Cal
RT: 4.955 min Scan# 516
Delta R.T. -0.007 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

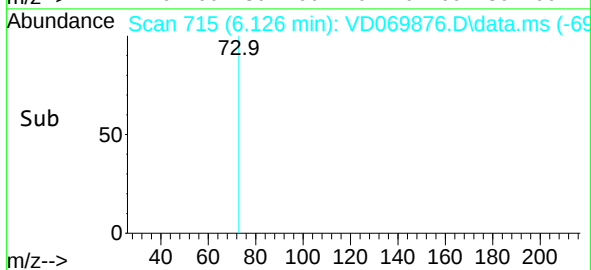
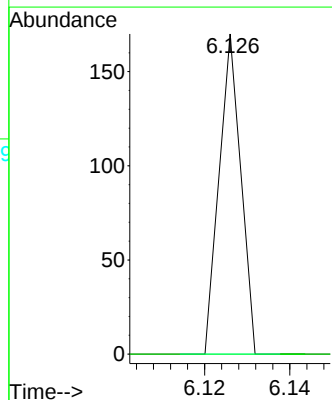
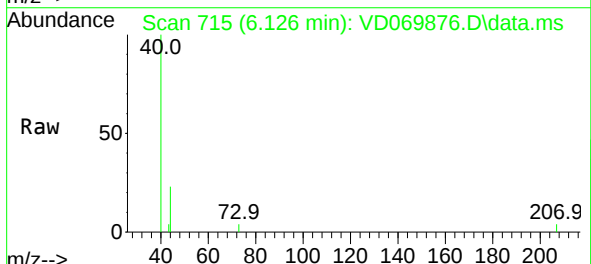
Instrument :
MSVOA_D
ClientSampleId :

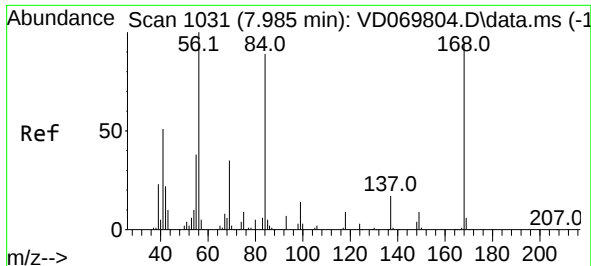
Tgt Ion:	84	Resp:	25439
Ion	Ratio	Lower	Upper
84	100		
49	99.1	92.4	138.6
51	35.3	28.5	42.7
86	57.9	48.2	72.4



#23
Vinyl Acetate
Concen: 20.353 ug/l
RT: 6.126 min Scan# 715
Delta R.T. -0.177 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

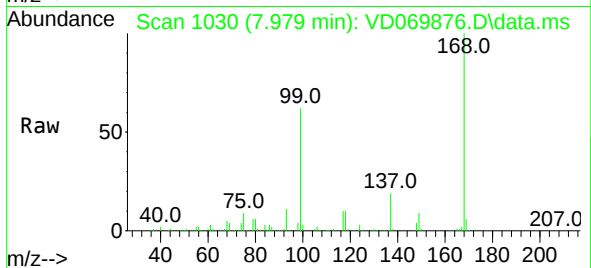
Tgt Ion:	43	Resp:	60
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#



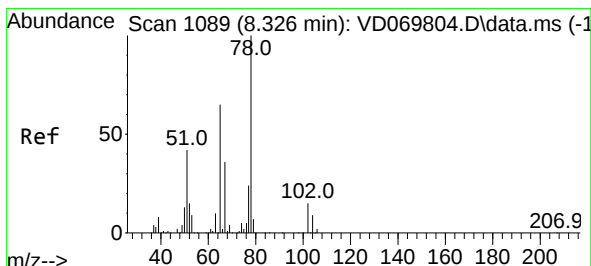
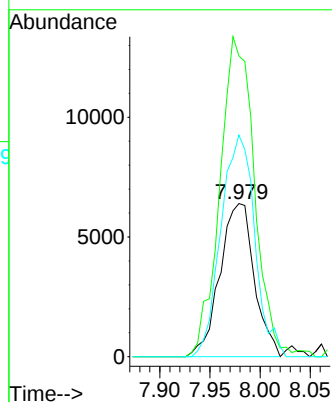
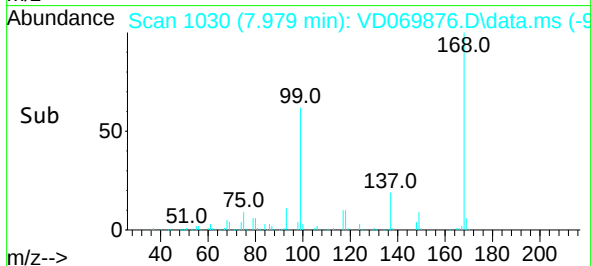


#31
Cyclohexane
Concen: 1.032 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

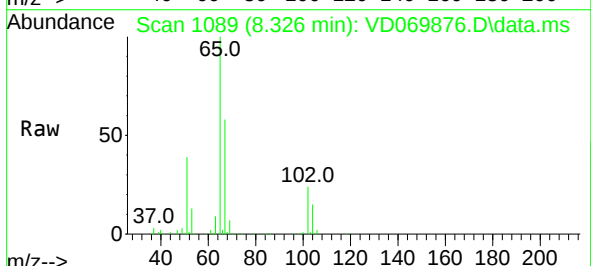
Instrument :
MSVOA_D
ClientSampled :



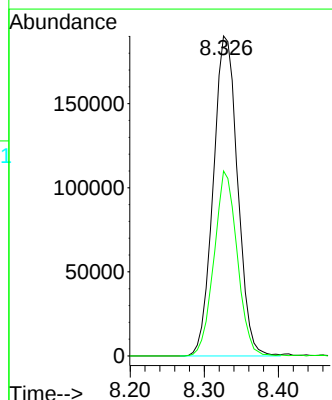
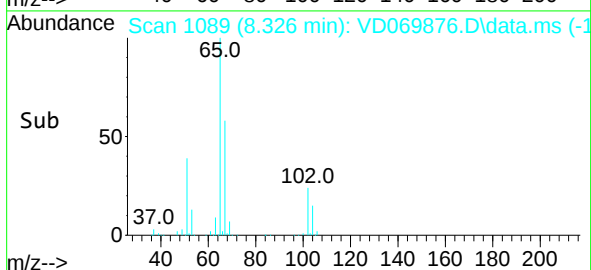
Tgt Ion: 56 Resp: 15263
Ion Ratio Lower Upper
56 100
69 196.4 27.9 41.9#
84 144.7 71.4 107.2#

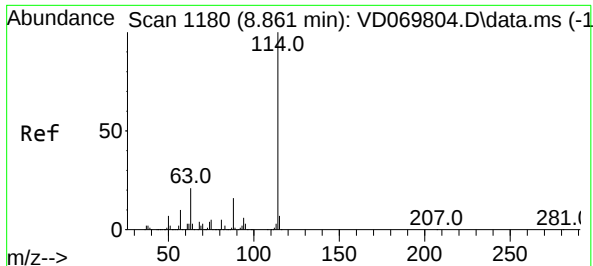


#33
1,2-Dichloroethane-d4
Concen: 57.335 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46



Tgt Ion: 65 Resp: 434096
Ion Ratio Lower Upper
65 100
67 55.0 0.0 111.2



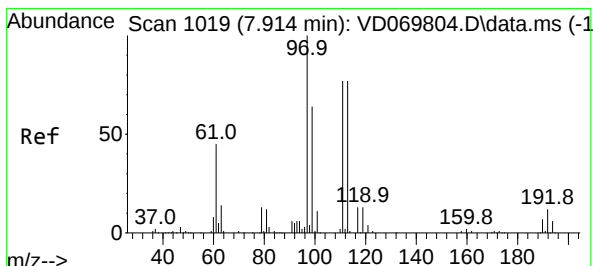
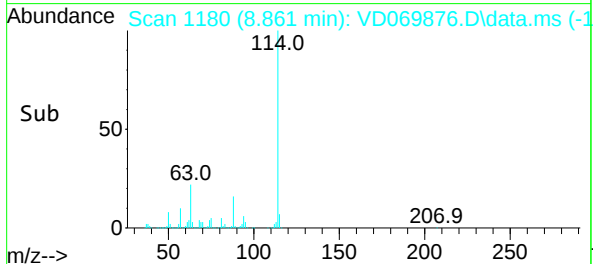
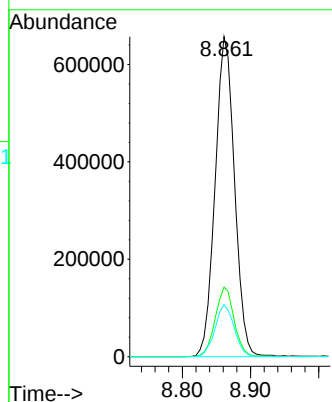
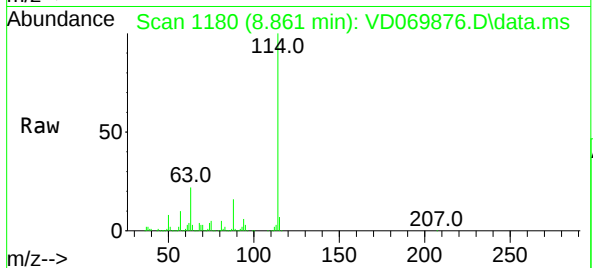


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

Instrument :
MSVOA_D
ClientSampled :

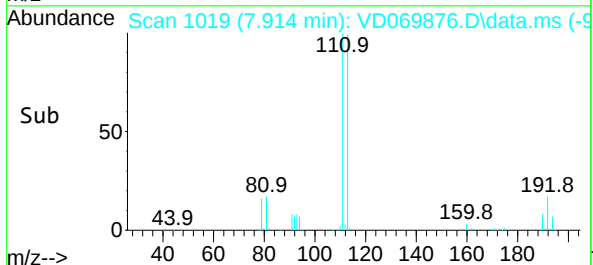
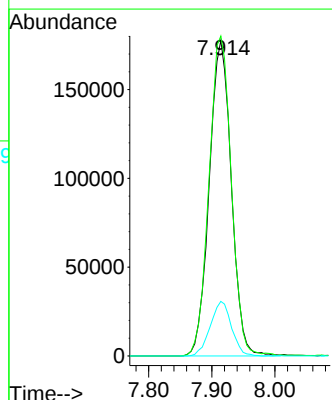
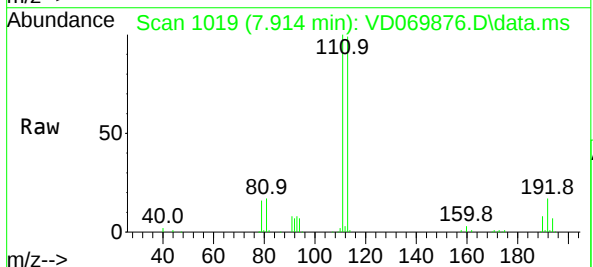
Tgt Ion:114 Resp: 1303239
Ion Ratio Lower Upper
114 100
63 21.7 0.0 41.6
88 16.3 0.0 31.4

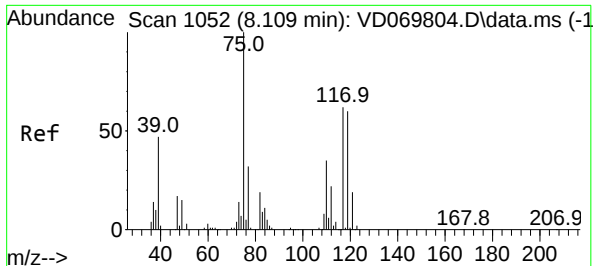


#35

Dibromofluoromethane
Concen: 52.418 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

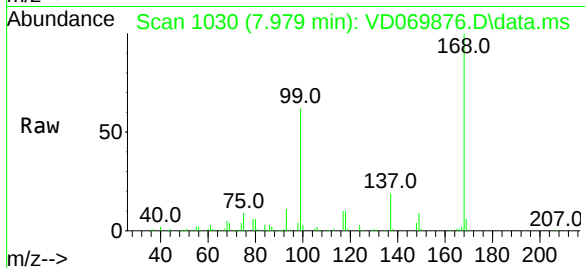
Tgt Ion:113 Resp: 430644
Ion Ratio Lower Upper
113 100
111 102.7 80.5 120.7
192 16.7 12.6 19.0



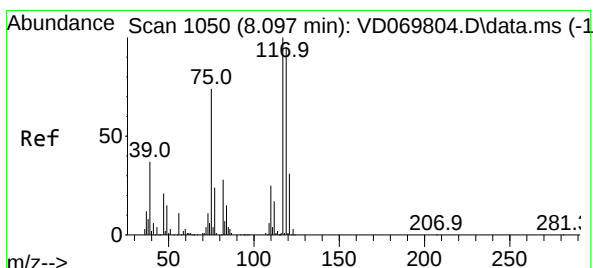
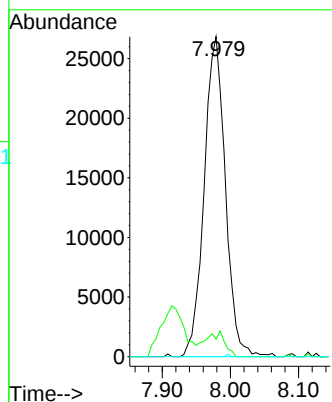
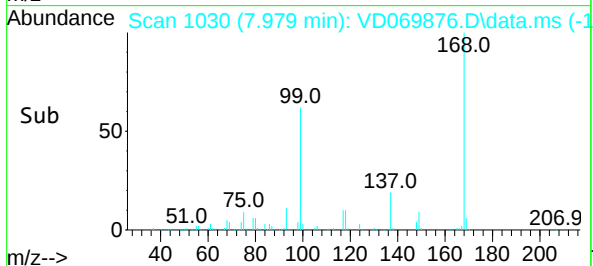


#36
1,1-Dichloropropene
Concen: 4.138 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

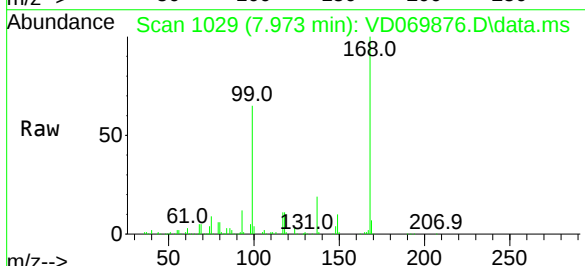
Instrument :
MSVOA_D
ClientSampleId :



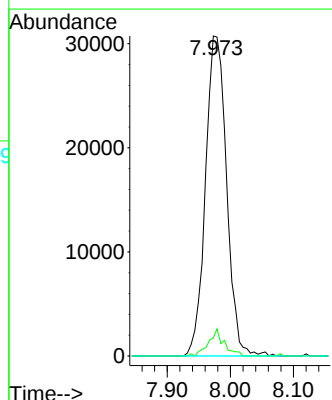
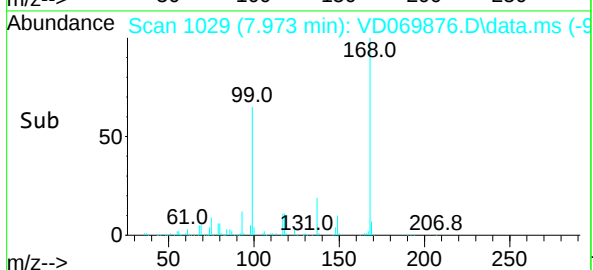
Tgt Ion: 75 Resp: 58192
Ion Ratio Lower Upper
75 100
110 7.3 16.9 50.7#
77 0.1 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.560 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46



Tgt Ion: 117 Resp: 71423
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.5 36.7#

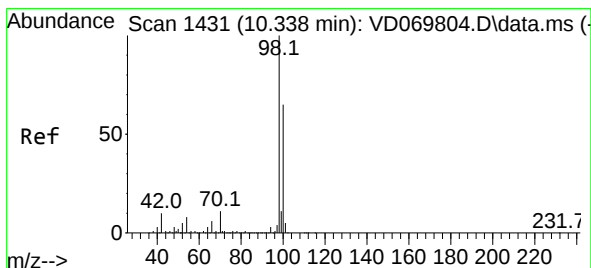
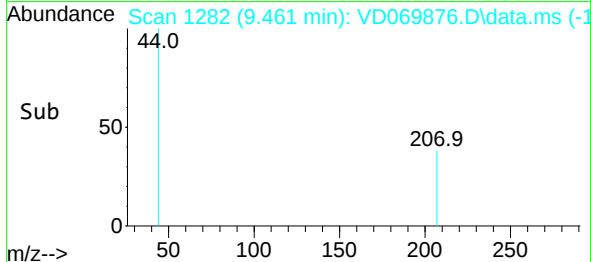
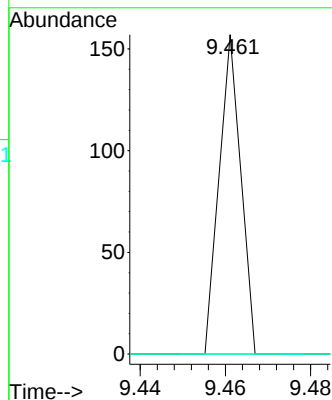
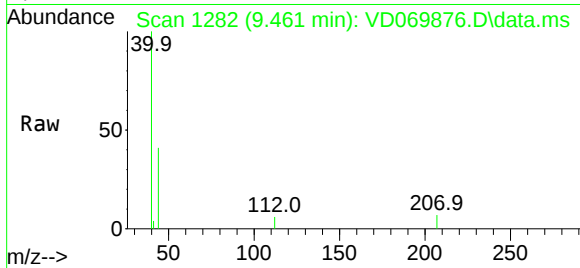




#48
Methyl methacrylate
Concen: 2.757 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.011 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

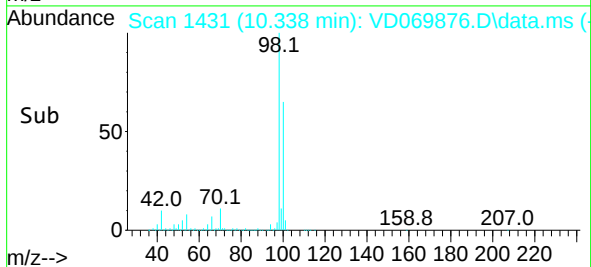
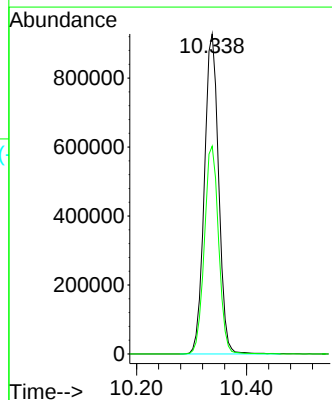
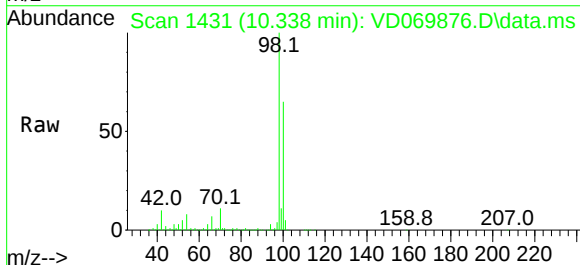
Instrument :
MSVOA_D
ClientSampled :

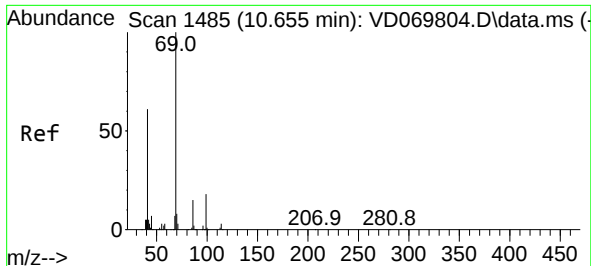
Tgt Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 52.664 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

Tgt Ion: 98 Resp: 1668341
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

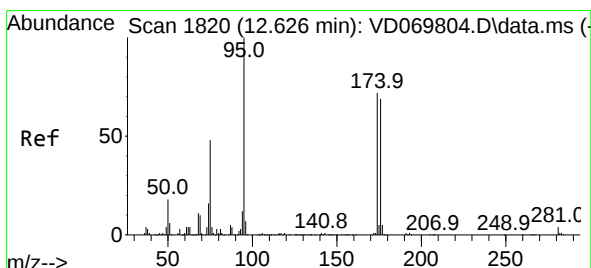
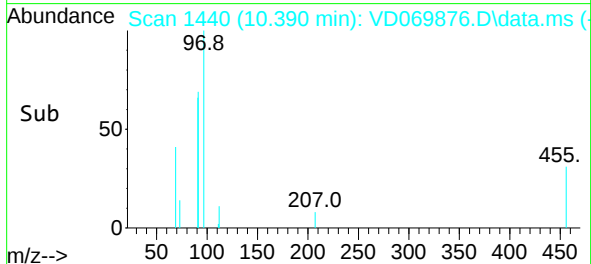
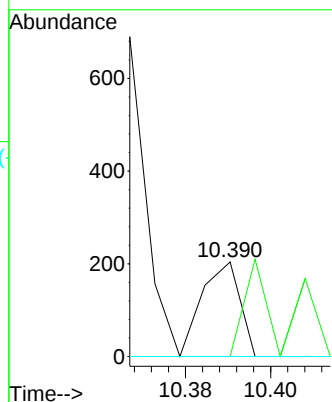
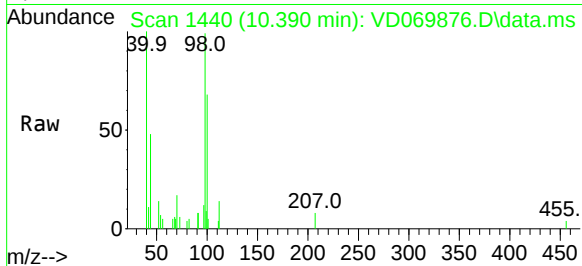




#56
Ethyl methacrylate
Concen: 3.909 ug/l
RT: 10.390 min Scan# 1440
Delta R.T. -0.265 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

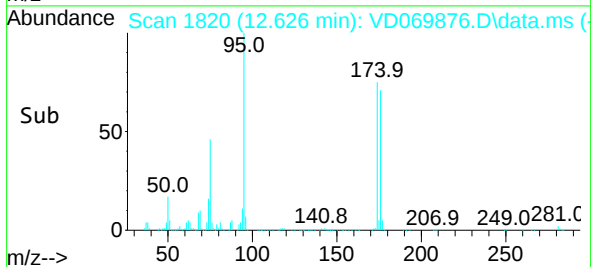
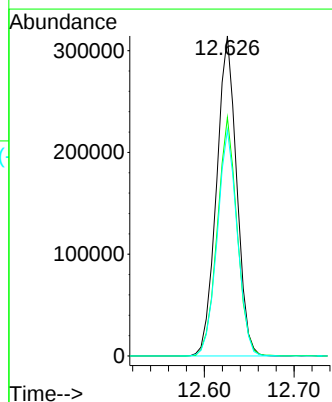
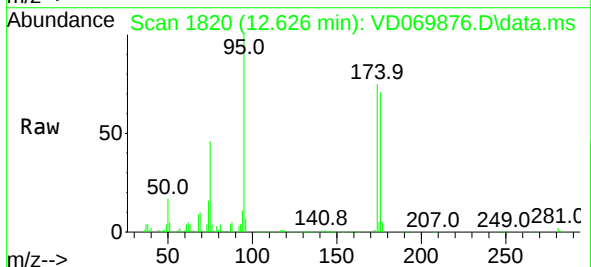
Instrument :
MSVOA_D
ClientSampleId :

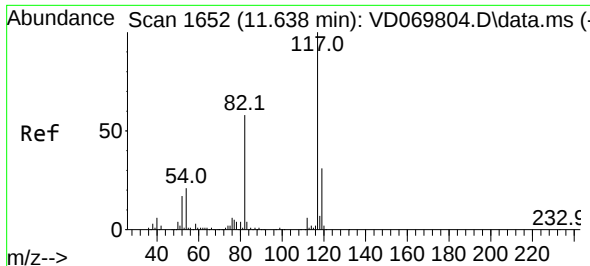
Tgt Ion: 69 Resp: 126
Ion Ratio Lower Upper
69 100
41 105.6 50.2 75.2#
39 0.0 22.0 33.0#



#62
4-Bromofluorobenzene
Concen: 46.334 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

Tgt Ion: 95 Resp: 490547
Ion Ratio Lower Upper
95 100
174 73.0 0.0 142.6
176 70.1 0.0 134.2

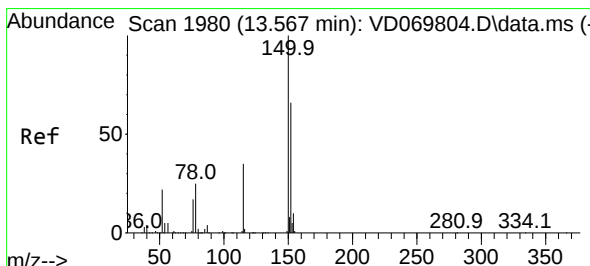
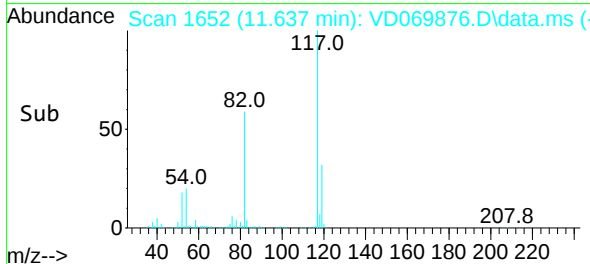
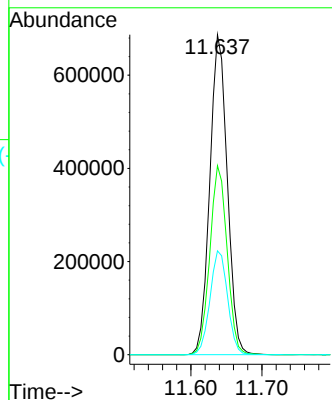
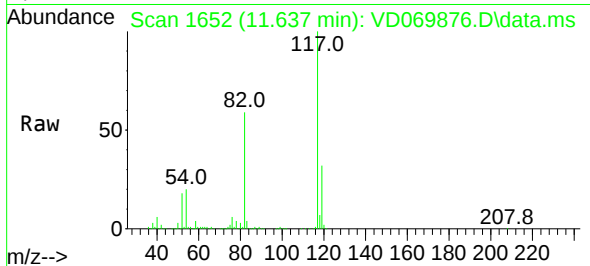




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

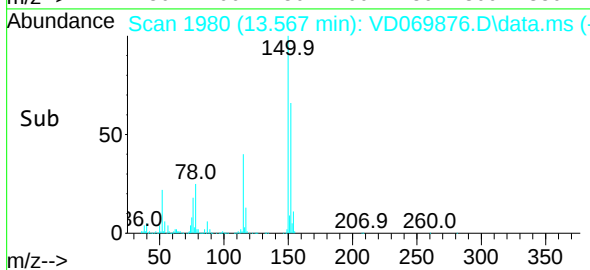
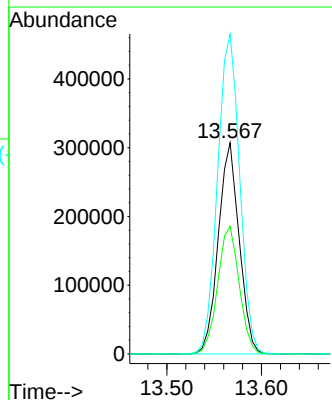
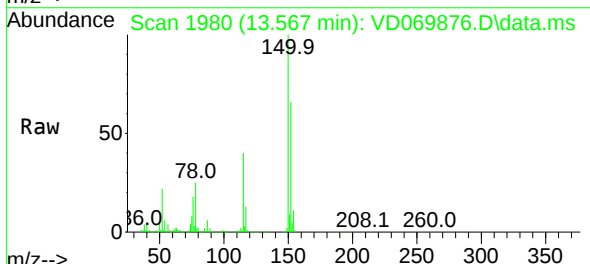
Instrument :
MSVOA_D
ClientSampleId :

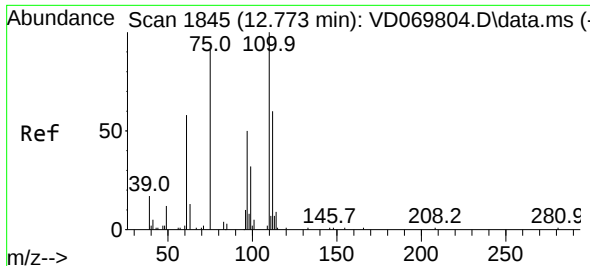
Tgt Ion:117 Resp: 1171859
Ion Ratio Lower Upper
117 100
82 59.1 46.3 69.5
119 32.5 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

Tgt Ion:152 Resp: 471024
Ion Ratio Lower Upper
152 100
115 62.4 31.1 93.3
150 160.0 0.0 343.0

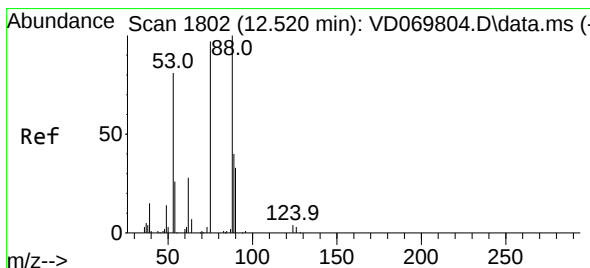
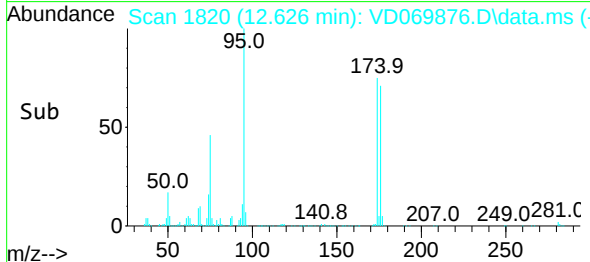
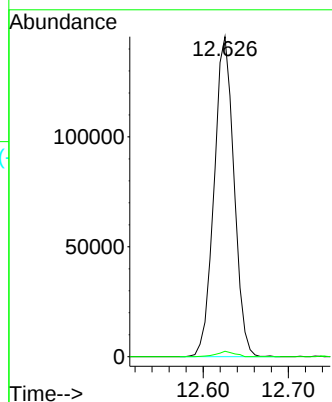
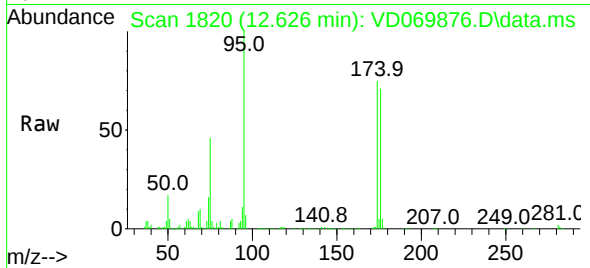




#76
1,2,3-Trichloropropane
Concen: 47.211 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

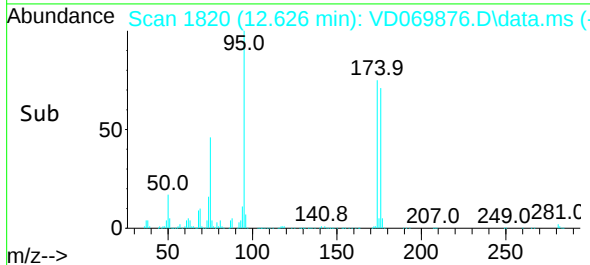
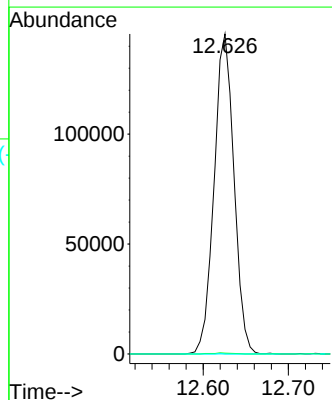
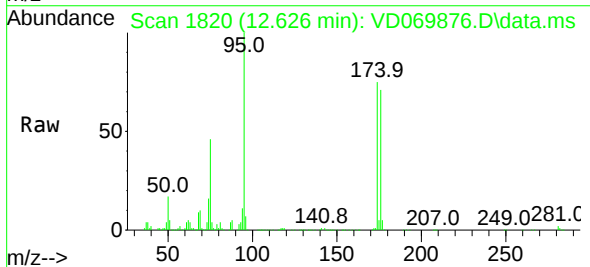
Instrument :
MSVOA_D
ClientSampleId :

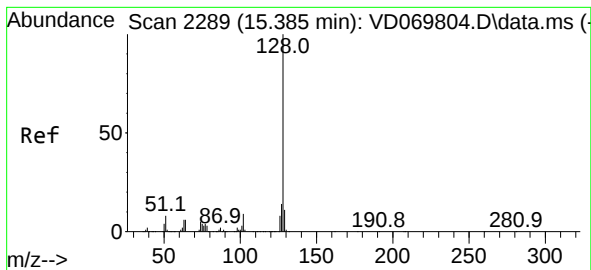
Tgt Ion: 75 Resp: 236370
Ion Ratio Lower Upper
75 100
77 1.5 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 143.227 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

Tgt Ion: 75 Resp: 236370
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 5.018 ug/l
RT: 15.378 min Scan# 2288
Delta R.T. -0.007 min
Lab File: VD069876.D
Acq: 27 Jul 2021 19:46

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 329
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

