

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072921\
 Data File : VD069907.D
 Acq On : 29 Jul 2021 13:09
 Operator : VA/SY
 Sample : M3216-01RE
 Misc : 13.67G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 00:54:39 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)

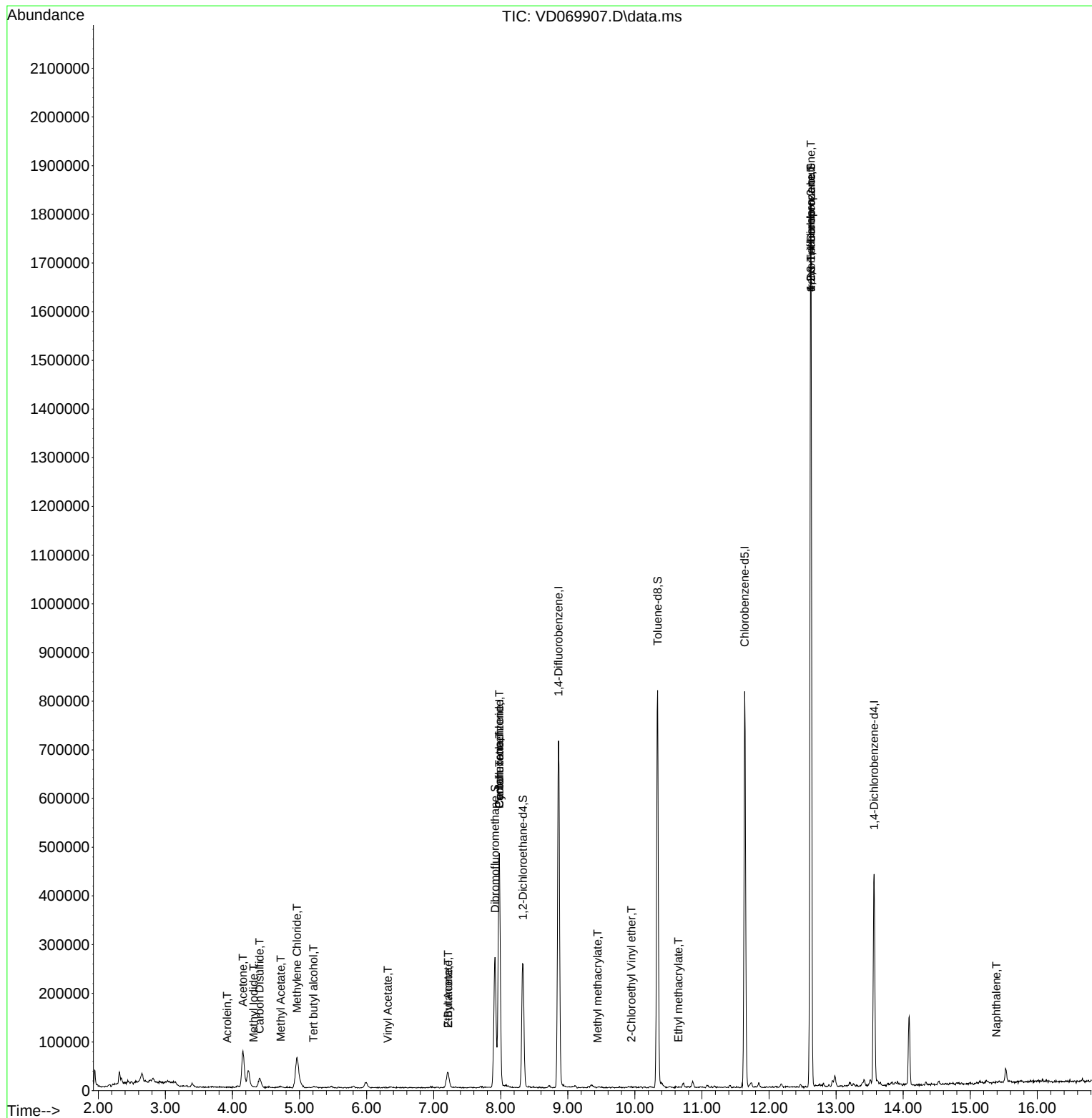
Internal Standards						
1) Pentafluorobenzene	7.979	168	335574	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	622064	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	470459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	119238	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	208726	54.082	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.160%			
35) Dibromofluoromethane	7.914	113	196424	50.089	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.180%			
50) Toluene-d8	10.338	98	568343	37.586	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 75.180%			
62) 4-Bromofluorobenzene	12.626	95	152811	30.239	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 60.480%			
Target Compounds					Qvalue	
5) Bromomethane	2.768	94	4226	Below Cal	#	66
10) Methyl Iodide	4.315	142	1062	3.699	ug/l #	14
11) Tert butyl alcohol	5.209	59	3881	19.434	ug/l #	73
13) Acrolein	3.921	56	313	1.120	ug/l #	76
16) Acetone	4.156	43	130788	187.594	ug/l	96
17) Carbon Disulfide	4.403	76	40702	2.965	ug/l	99
18) Methyl Acetate	4.721	43	3391	1.676	ug/l #	59
20) Methylene Chloride	4.962	84	49617	4.014	ug/l	98
23) Vinyl Acetate	6.315	43	231	20.381	ug/l #	71
25) 2-Butanone	7.215	43	40940	43.301	ug/l	94
31) Cyclohexane	7.979	56	9359	1.241	ug/l #	9
37) Ethyl Acetate	7.215	43	40940	16.752	ug/l #	74
38) Carbon Tetrachloride	7.979	117	35239	5.747	ug/l #	17
48) Methyl methacrylate	9.444	41	236	2.842	ug/l #	13
56) Ethyl methacrylate	10.650	69	280	3.955	ug/l #	51
58) 2-Chloroethyl Vinyl ether	9.950	63	629	21.169	ug/l #	71
76) 1,2,3-Trichloropropane	12.626	75	84705	66.833	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	84705	202.754	ug/l #	19
95) Naphthalene	15.391	128	2537	5.584	ug/l #	84

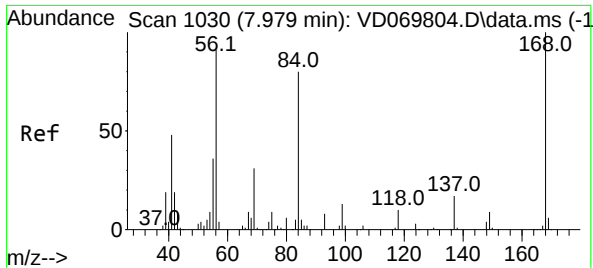
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 23 04:51:13 2021
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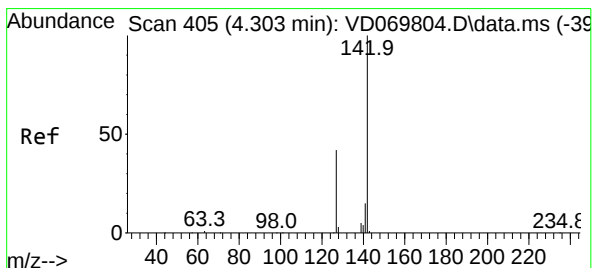
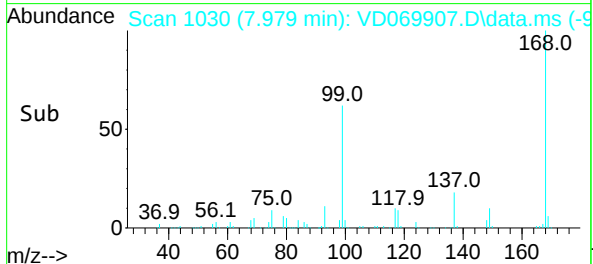
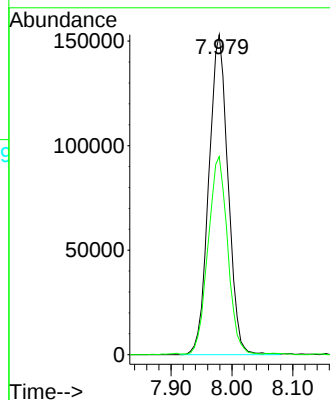
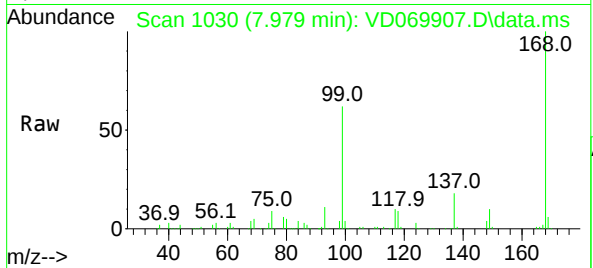




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

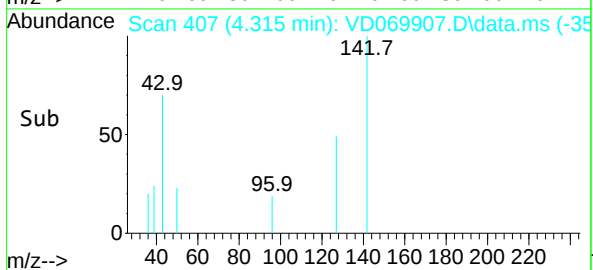
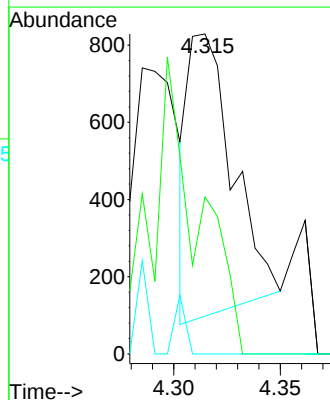
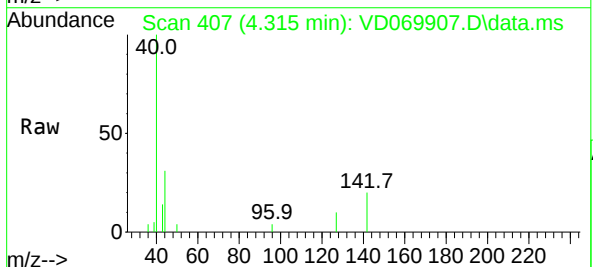
Instrument :
MSVOA_D
ClientSampled :

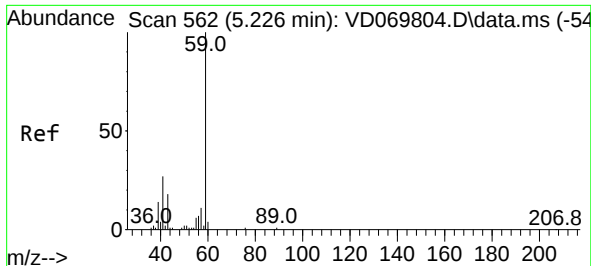
Tgt Ion:168 Resp: 335574
Ion Ratio Lower Upper
168 100
99 61.7 51.1 76.7



#10
Methyl Iodide
Concen: 3.699 ug/l
RT: 4.315 min Scan# 407
Delta R.T. 0.012 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

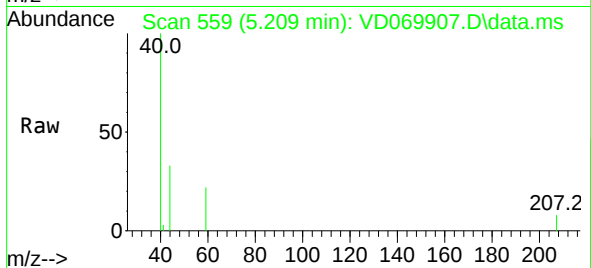
Tgt Ion:142 Resp: 1062
Ion Ratio Lower Upper
142 100
127 114.5 35.7 53.5#
141 5.1 12.0 18.0#



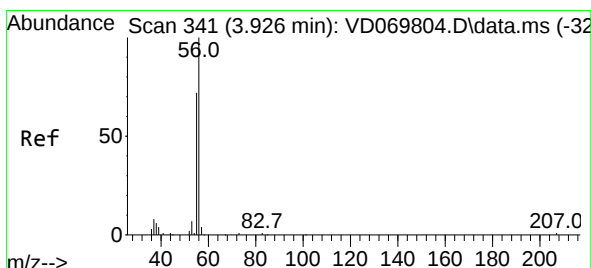
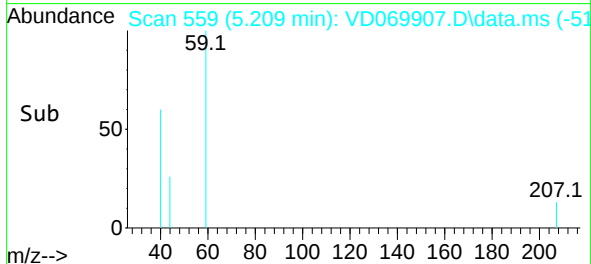
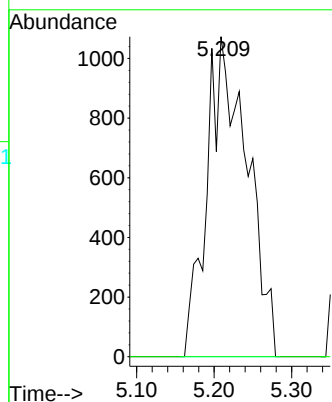


#11
Tert butyl alcohol
Concen: 19.434 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

Instrument :
MSVOA_D
ClientSampled :

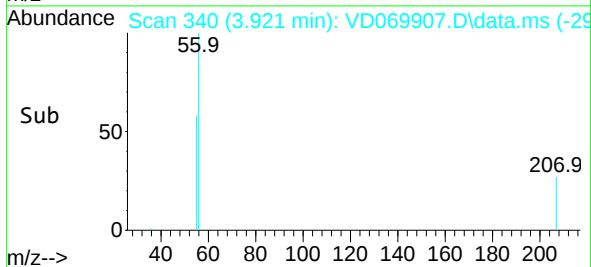
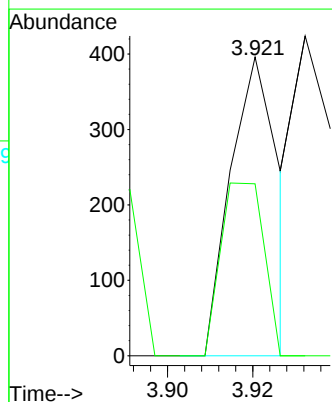
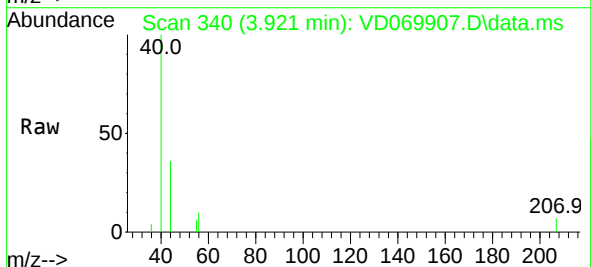


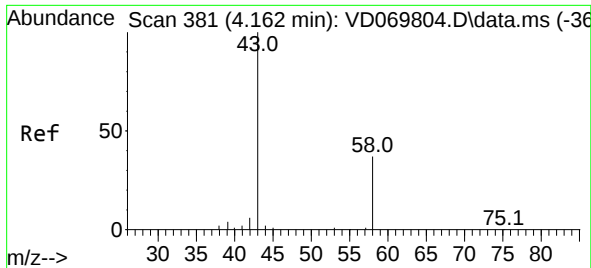
Tgt Ion: 59 Resp: 3881
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



#13
Acrolein
Concen: 1.120 ug/l
RT: 3.921 min Scan# 340
Delta R.T. -0.006 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

Tgt Ion: 56 Resp: 313
Ion Ratio Lower Upper
56 100
55 51.4 57.2 85.8#

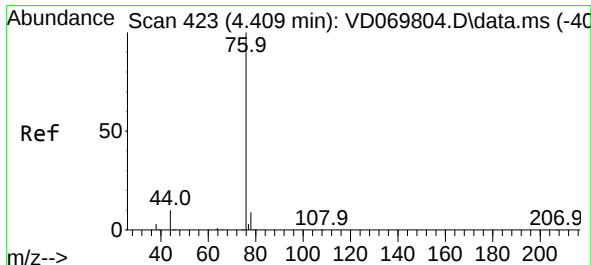
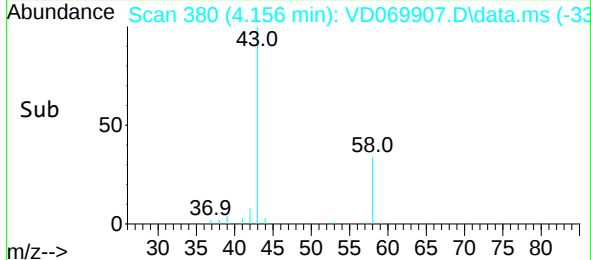
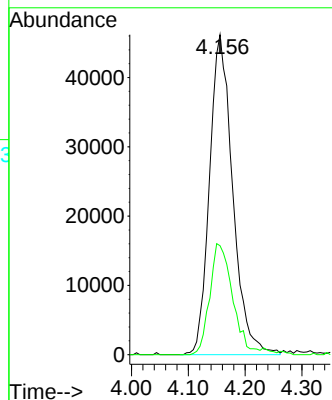
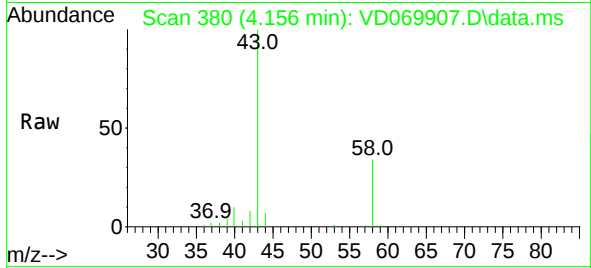




#16
Acetone
Concen: 187.594 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

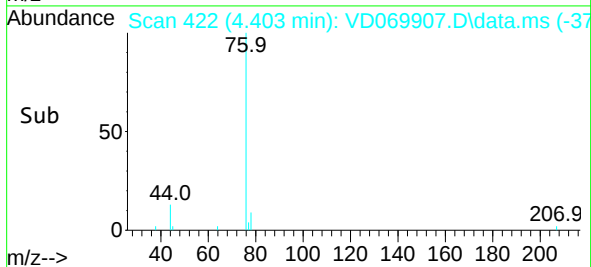
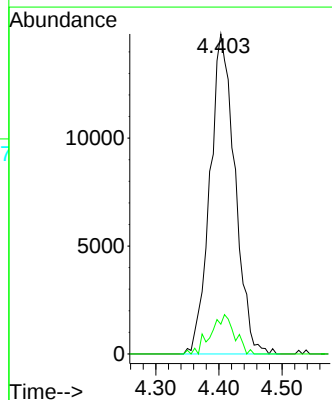
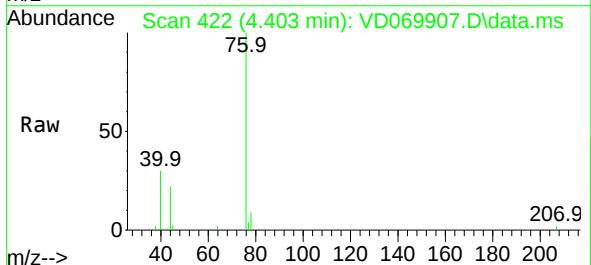
Instrument :
MSVOA_D
ClientSampled :

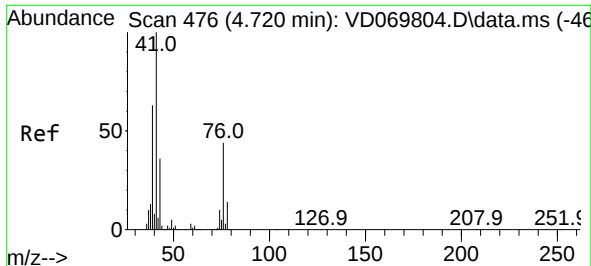
Tgt Ion: 43 Resp: 130788
Ion Ratio Lower Upper
43 100
58 34.1 29.4 44.0



#17
Carbon Disulfide
Concen: 2.965 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

Tgt Ion: 76 Resp: 40702
Ion Ratio Lower Upper
76 100
78 9.3 7.3 10.9

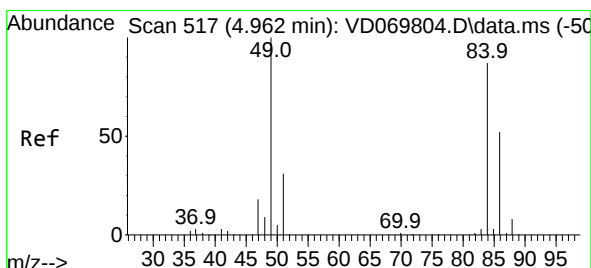
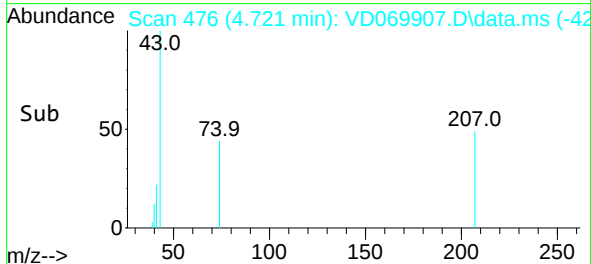
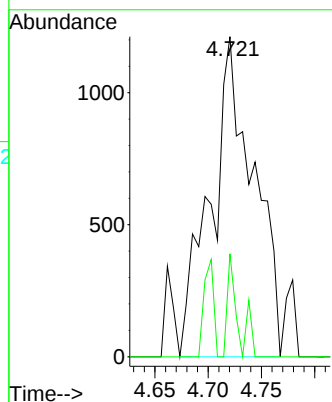
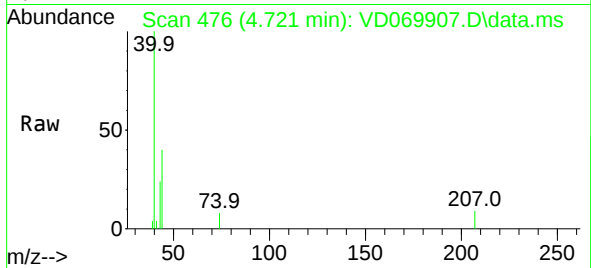




#18
Methyl Acetate
Concen: 1.676 ug/l
RT: 4.721 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

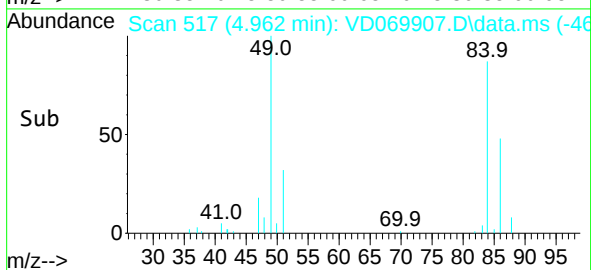
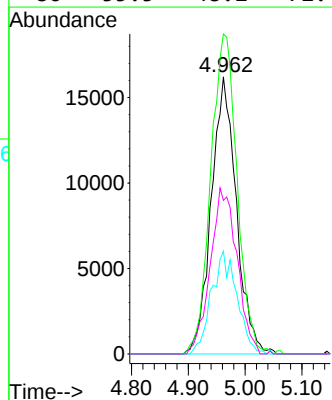
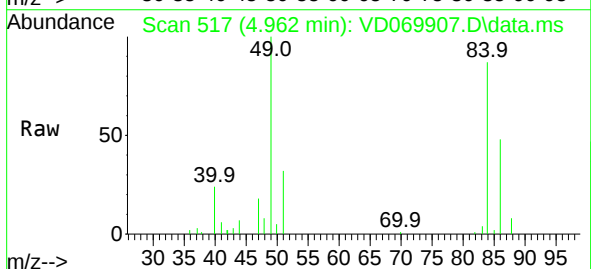
Instrument :
MSVOA_D
ClientSampled :

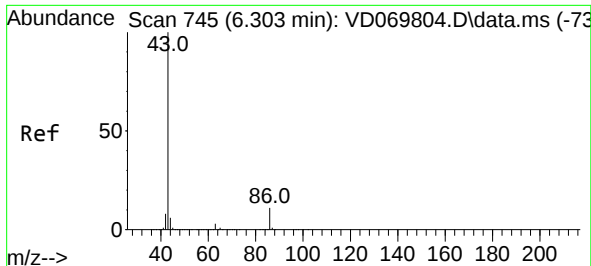
Tgt Ion: 43 Resp: 3391
Ion Ratio Lower Upper
43 100
74 5.6 21.4 32.2#



#20
Methylene Chloride
Concen: 4.014 ug/l
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

Tgt Ion: 84 Resp: 49617
Ion Ratio Lower Upper
84 100
49 115.5 92.4 138.6
51 37.0 28.5 42.7
86 55.5 48.2 72.4

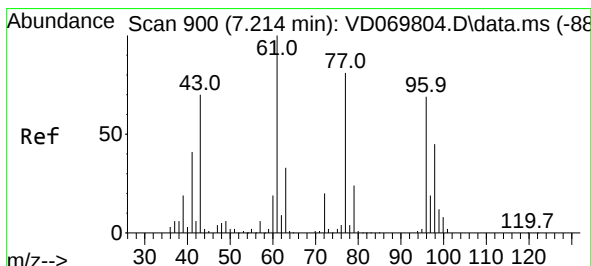
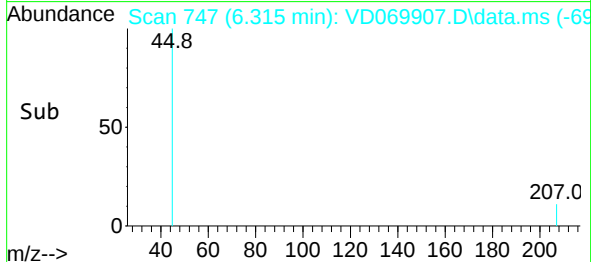
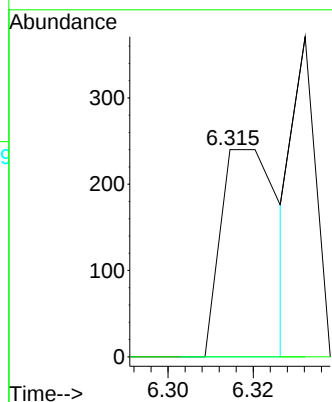
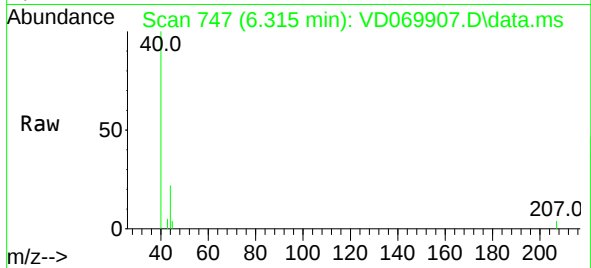




#23
 Vinyl Acetate
 Concen: 20.381 ug/l
 RT: 6.315 min Scan# 747
 Delta R.T. 0.012 min
 Lab File: VD069907.D
 Acq: 29 Jul 2021 13:09

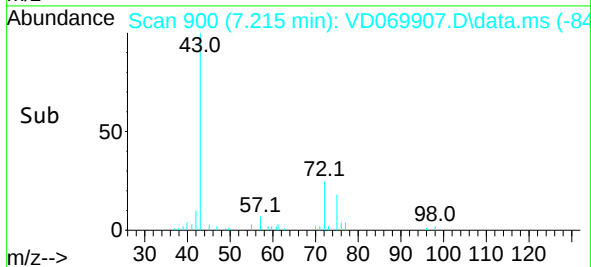
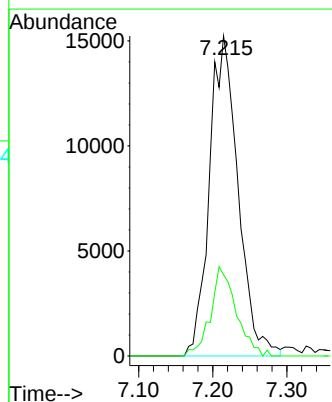
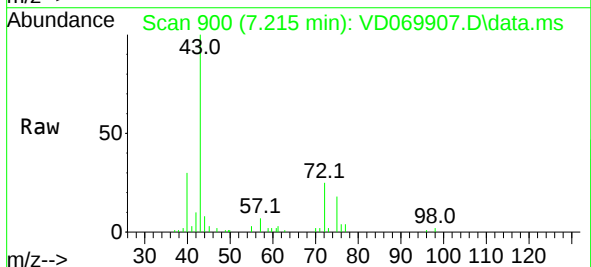
Instrument :
 MSVOA_D
 ClientSampled :

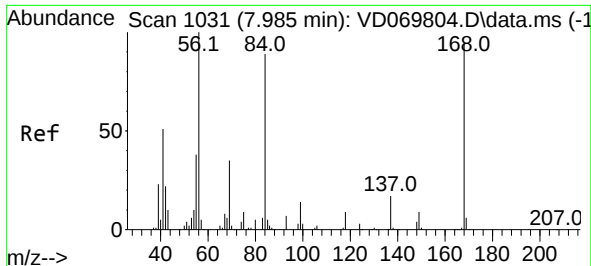
Tgt Ion: 43 Resp: 231
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 43.301 ug/l
 RT: 7.215 min Scan# 900
 Delta R.T. 0.000 min
 Lab File: VD069907.D
 Acq: 29 Jul 2021 13:09

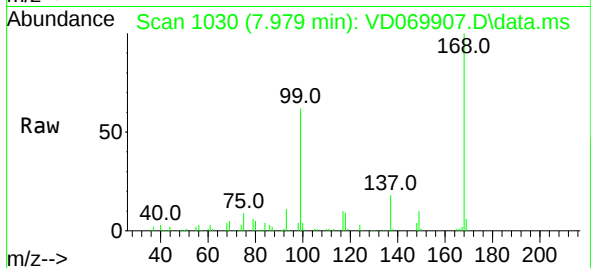
Tgt Ion: 43 Resp: 40940
 Ion Ratio Lower Upper
 43 100
 72 25.4 22.8 34.2



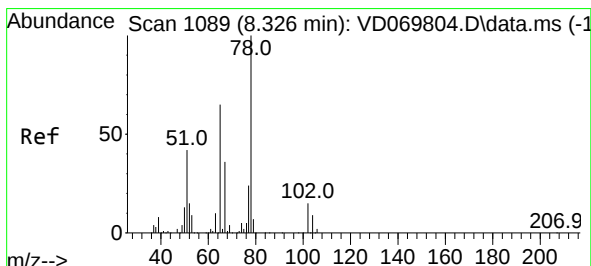
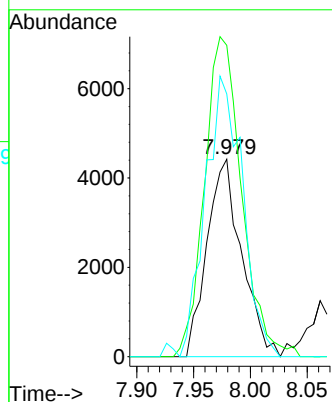
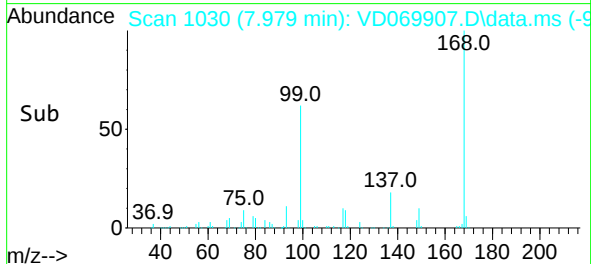


#31
Cyclohexane
Concen: 1.241 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

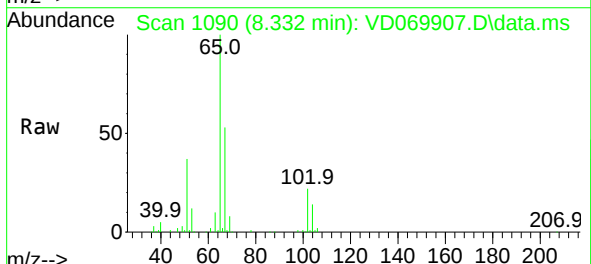
Instrument :
MSVOA_D
ClientSampled :



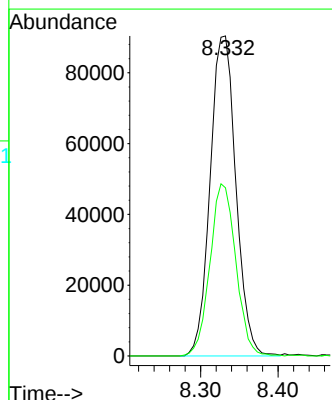
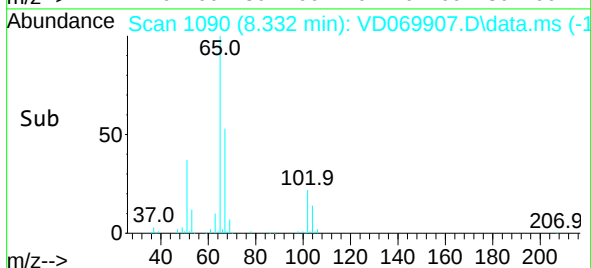
Tgt Ion: 56 Resp: 9359
Ion Ratio Lower Upper
56 100
69 153.5 27.9 41.9#
84 133.1 71.4 107.2#

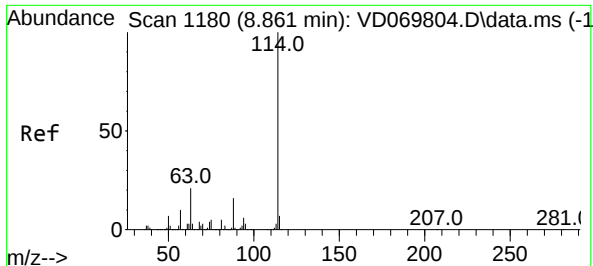


#33
1,2-Dichloroethane-d4
Concen: 54.082 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09



Tgt Ion: 65 Resp: 208726
Ion Ratio Lower Upper
65 100
67 54.1 0.0 111.2



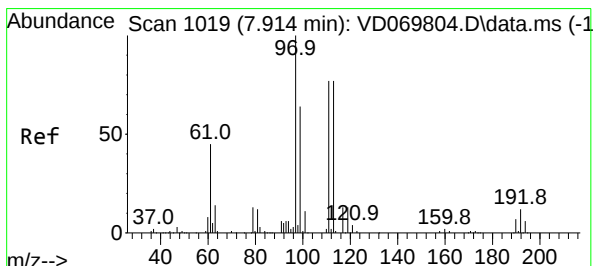
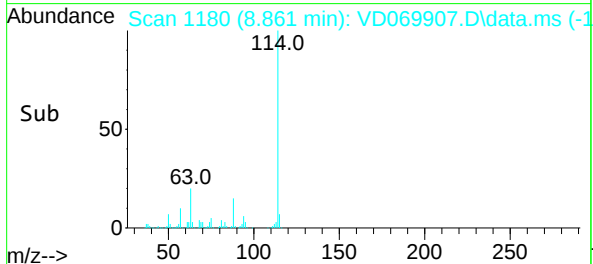
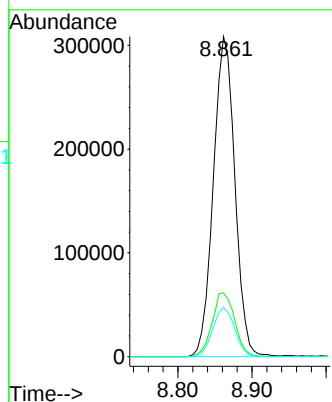
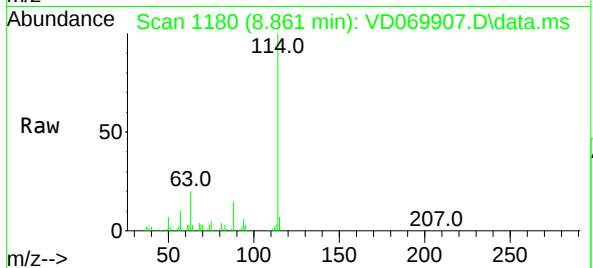


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

Instrument :
MSVOA_D
ClientSampleId :

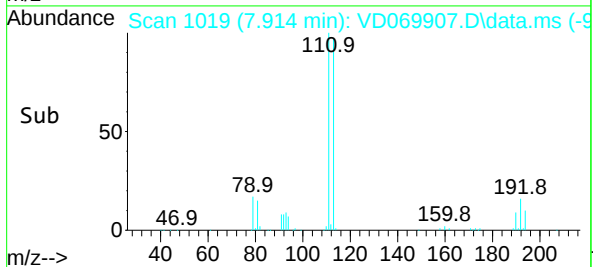
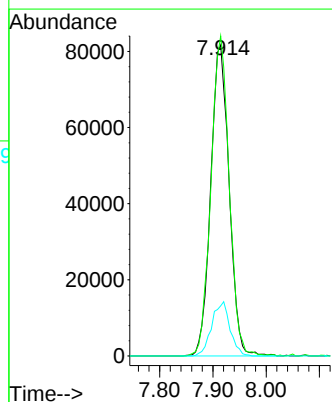
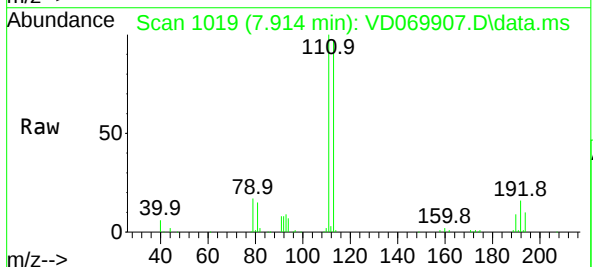
Tgt Ion:	114	Resp:	622064
Ion Ratio	Lower	Upper	
114	100		
63	19.9	0.0	41.6
88	15.4	0.0	31.4

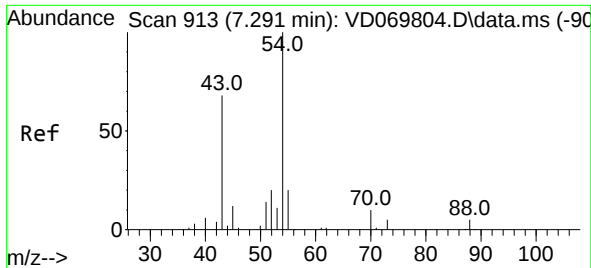


#35

Dibromofluoromethane
Concen: 50.089 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

Tgt Ion:	113	Resp:	196424
Ion Ratio	Lower	Upper	
113	100		
111	101.9	80.5	120.7
192	17.3	12.6	19.0

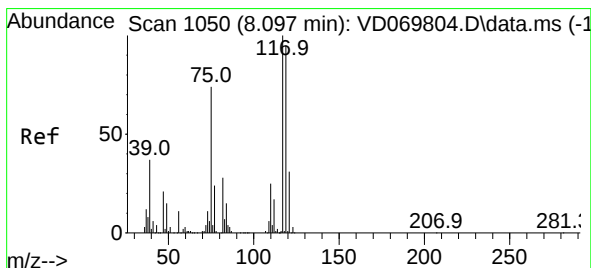
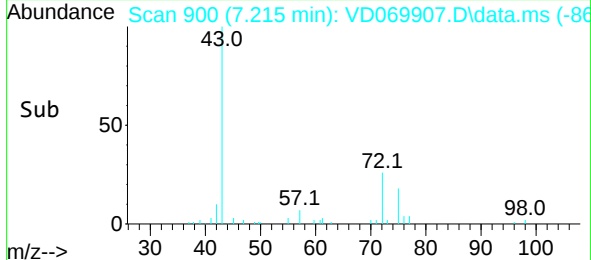
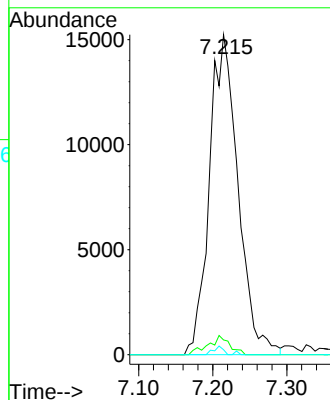
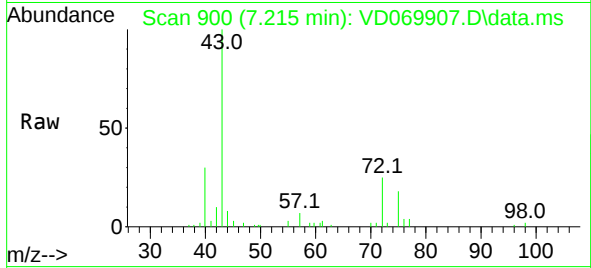




#37
Ethyl Acetate
Concen: 16.752 ug/l
RT: 7.215 min Scan# 900
Delta R.T. -0.076 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

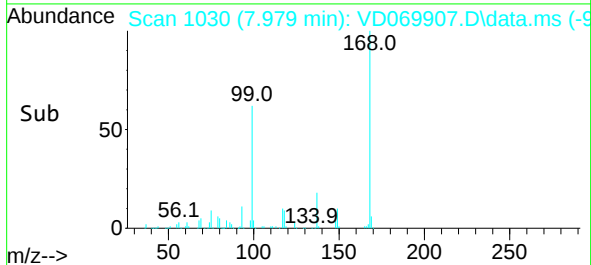
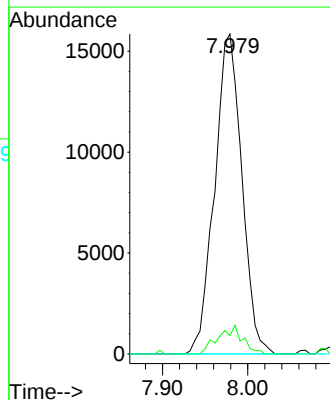
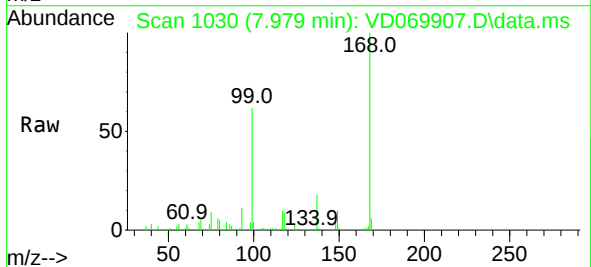
Instrument :
MSVOA_D
ClientSampled :

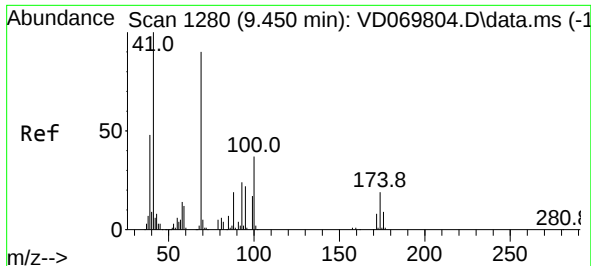
Tgt Ion: 43 Resp: 40940
Ion Ratio Lower Upper
43 100
61 4.4 11.8 17.8#
70 0.9 8.9 13.3#



#38
Carbon Tetrachloride
Concen: 5.747 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

Tgt Ion: 117 Resp: 35239
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 24.5 36.7#

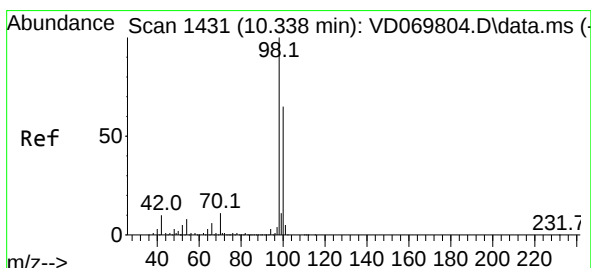
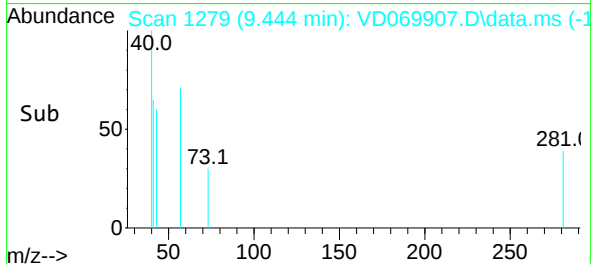
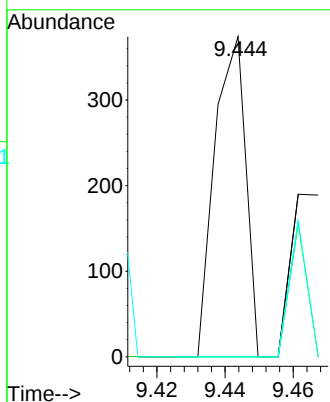
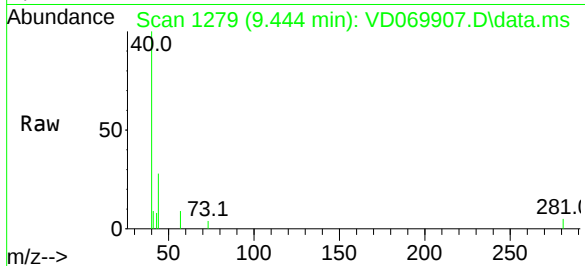




#48
Methyl methacrylate
Concen: 2.842 ug/l
RT: 9.444 min Scan# 1279
Delta R.T. -0.006 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

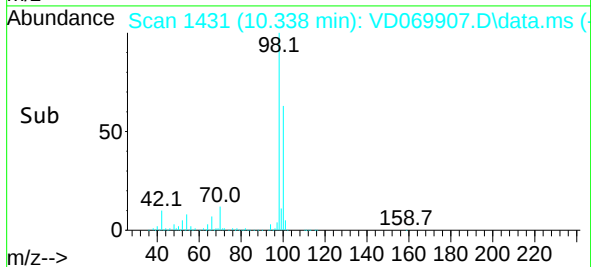
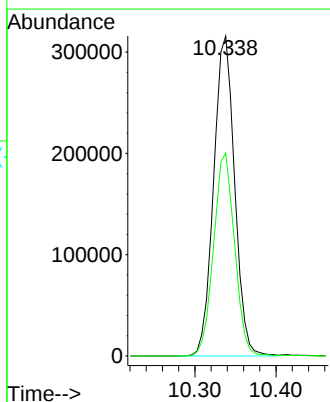
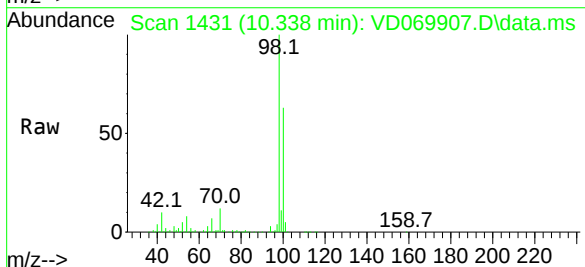
Instrument :
MSVOA_D
ClientSampled :

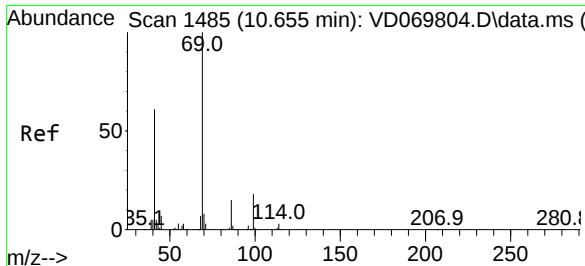
Tgt Ion: 41 Resp: 236
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 37.586 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

Tgt Ion: 98 Resp: 568343
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9

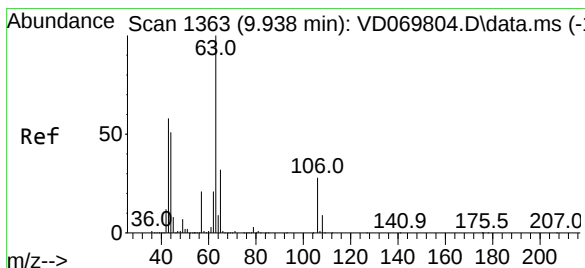
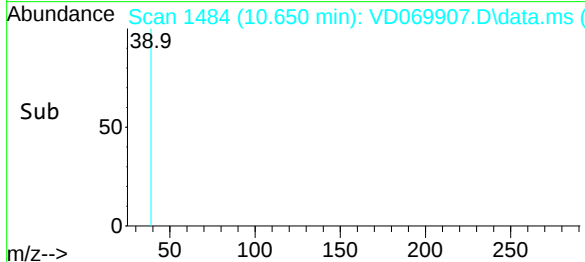
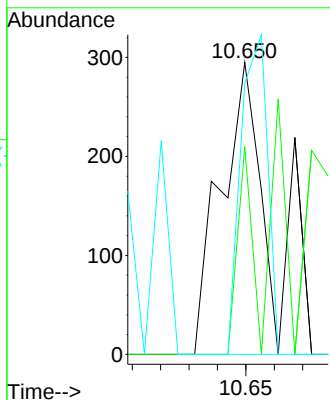
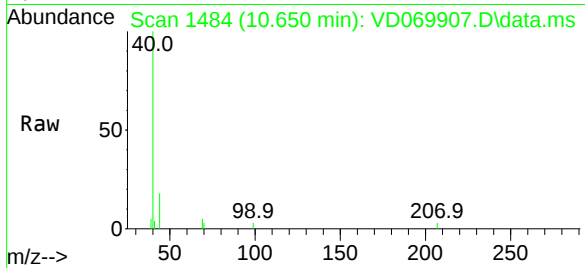




#56
Ethyl methacrylate
Concen: 3.955 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

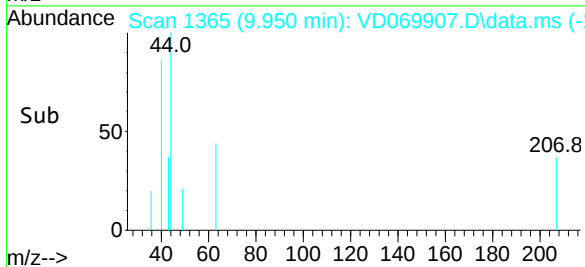
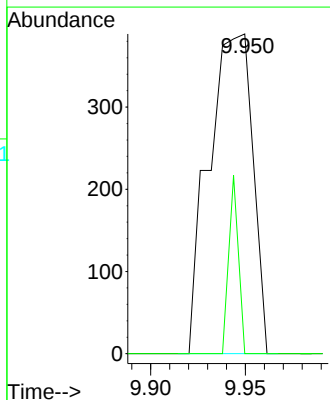
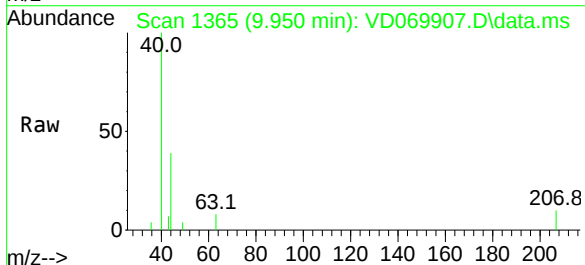
Instrument :
MSVOA_D
ClientSampled :

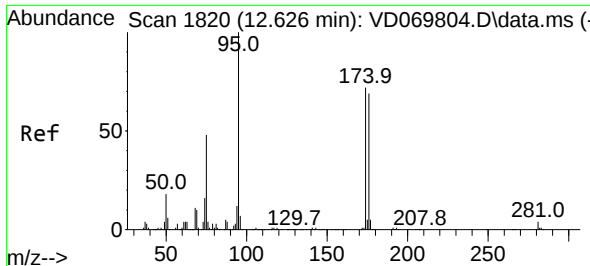
Tgt Ion: 69 Resp: 280
Ion Ratio Lower Upper
69 100
41 26.4 50.2 75.2#
39 0.0 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 21.169 ug/l
RT: 9.950 min Scan# 1365
Delta R.T. 0.012 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

Tgt Ion: 63 Resp: 629
Ion Ratio Lower Upper
63 100
106 12.2 21.8 32.6#

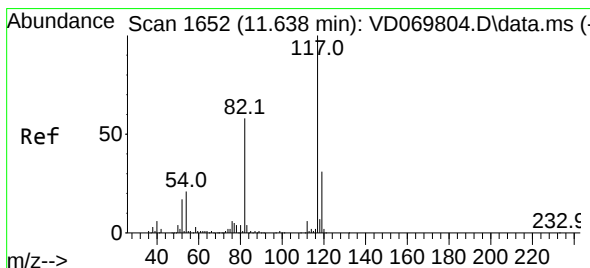
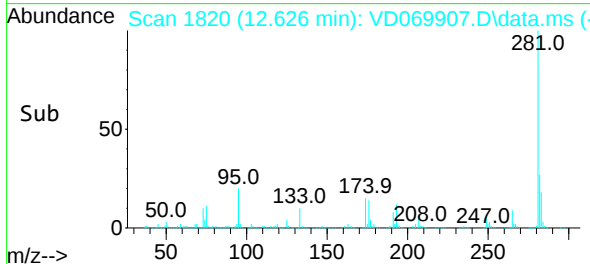
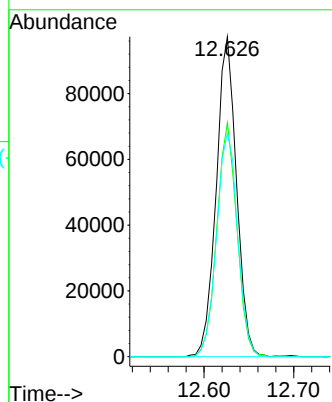
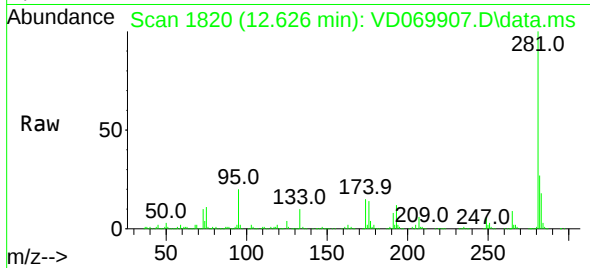




#62
4-Bromofluorobenzene
Concen: 30.239 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

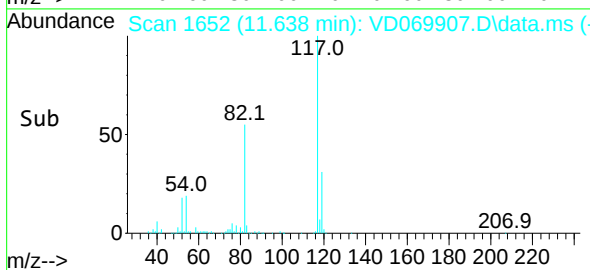
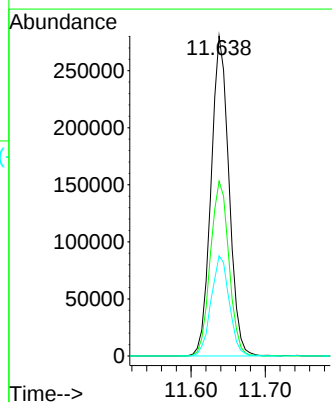
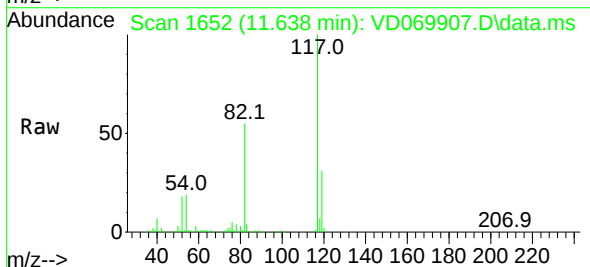
Instrument :
MSVOA_D
ClientSampleId :

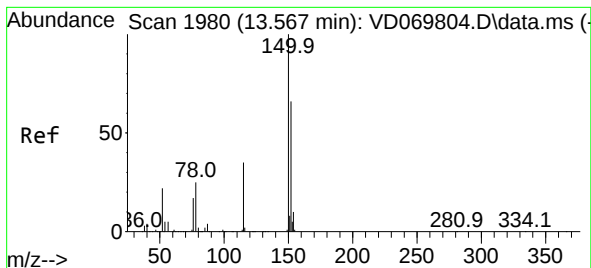
Tgt Ion: 95 Resp: 152811
Ion Ratio Lower Upper
95 100
174 72.3 0.0 142.6
176 72.6 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

Tgt Ion: 117 Resp: 470459
Ion Ratio Lower Upper
117 100
82 54.6 46.3 69.5
119 31.3 24.7 37.1

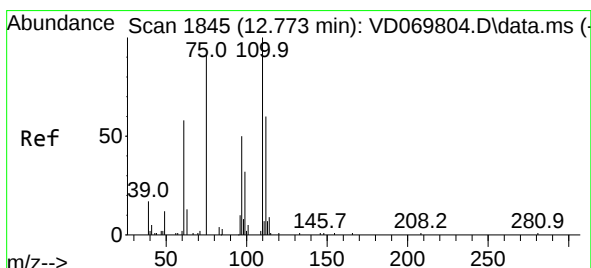
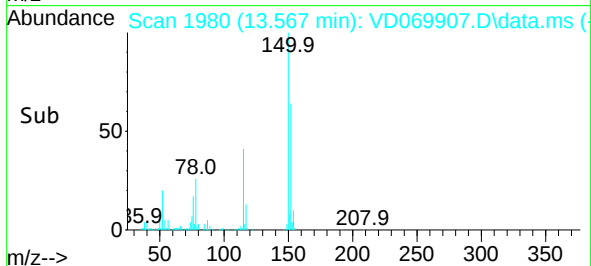
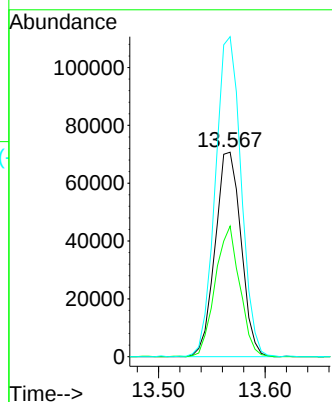
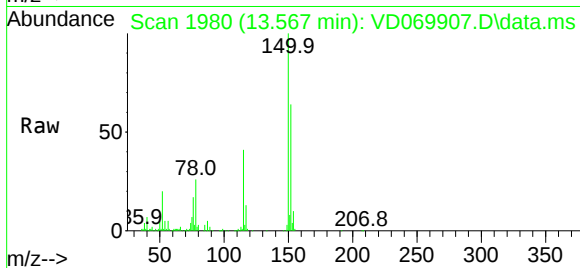




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

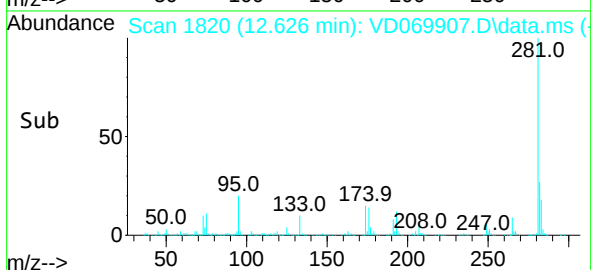
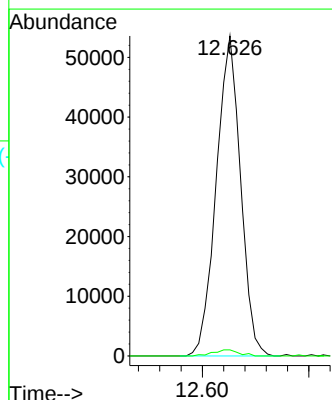
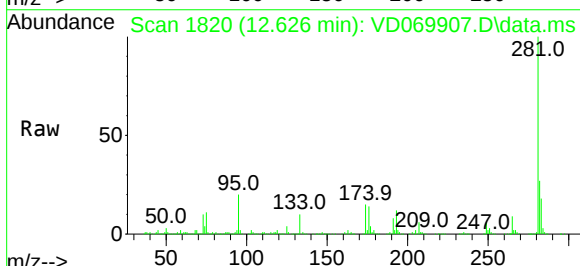
Instrument :
MSVOA_D
ClientSampleId :

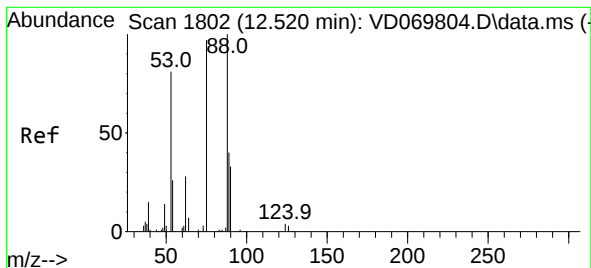
Tgt Ion:152 Resp: 119238
Ion Ratio Lower Upper
152 100
115 60.6 31.1 93.3
150 156.0 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 66.833 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

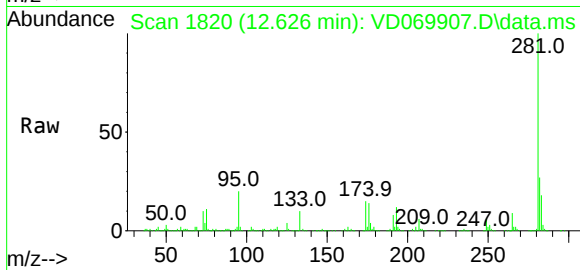
Tgt Ion: 75 Resp: 84705
Ion Ratio Lower Upper
75 100
77 2.0 181.5 544.5#



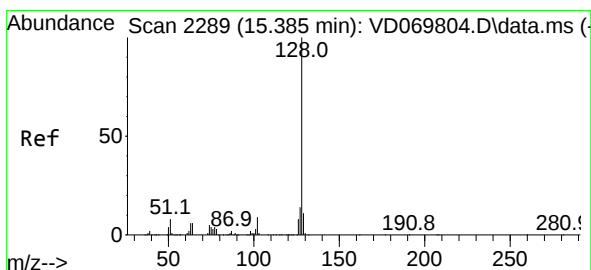
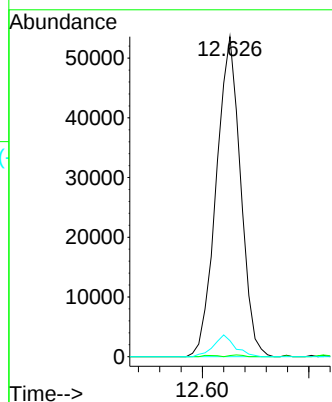
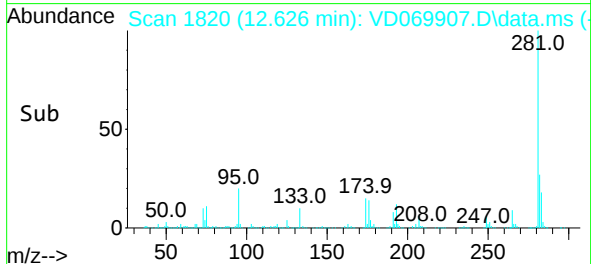


#81
trans-1,4-Dichloro-2-butene
Concen: 202.754 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09

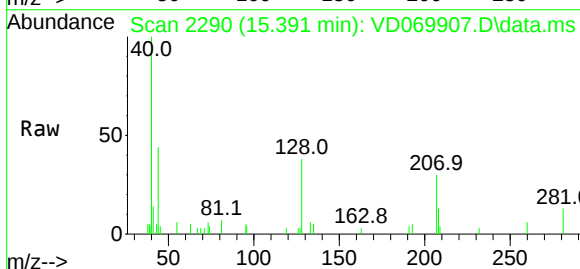
Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 75 Resp: 84705
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 6.0 35.8 53.6#



#95
Naphthalene
Concen: 5.584 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD069907.D
Acq: 29 Jul 2021 13:09



Tgt Ion: 128 Resp: 2537
Ion Ratio Lower Upper
128 100
127 5.9 10.6 16.0#
129 6.1 8.6 12.8#

