

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072921\
 Data File : VD069906.D
 Acq On : 29 Jul 2021 12:41
 Operator : VA/SY
 Sample : M3216-11
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 00:54:19 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)

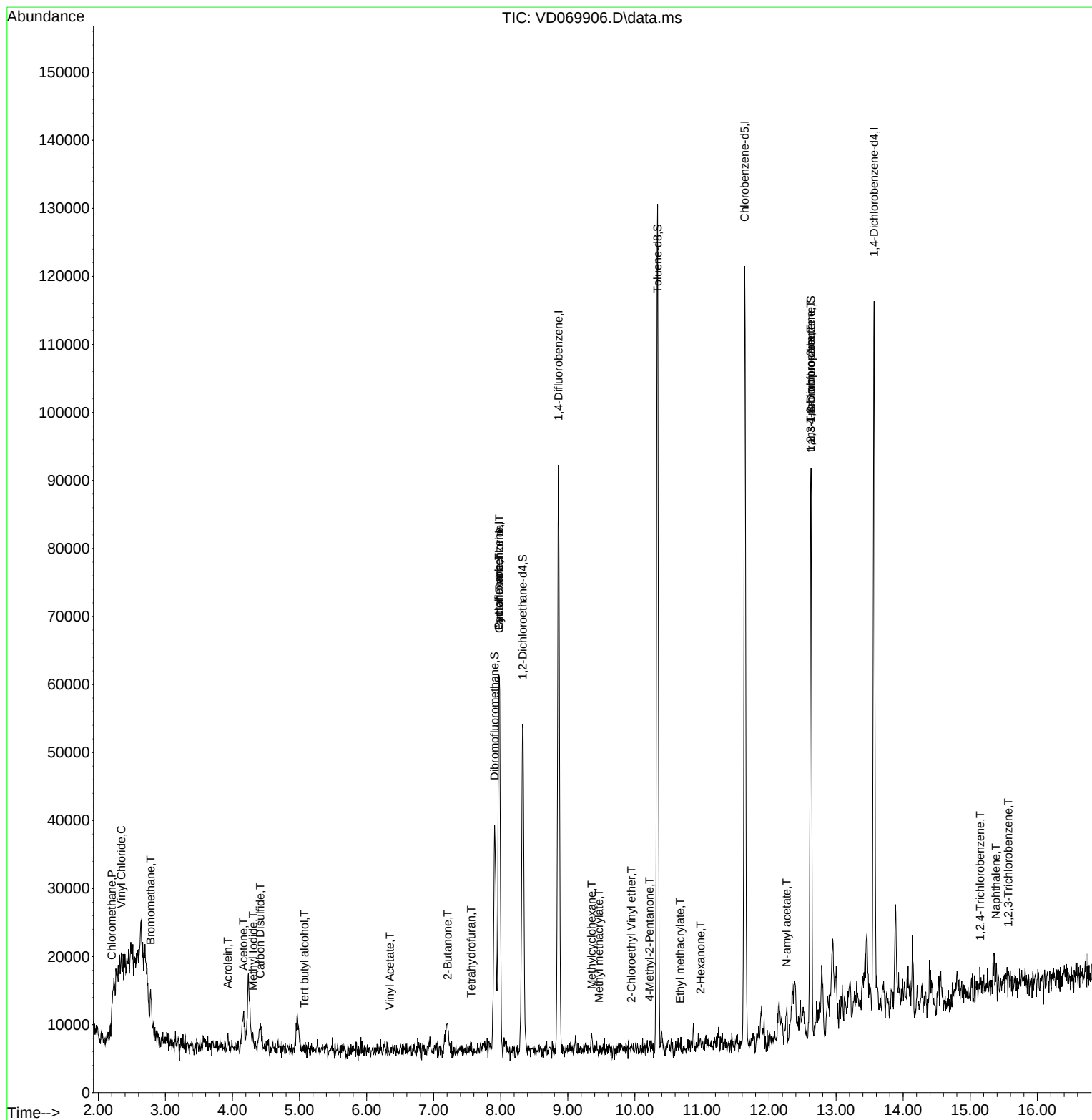
Internal Standards						
1) Pentafluorobenzene	7.973	168	41363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	69940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	68962	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	28652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	38479	80.887	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 161.780%			
35) Dibromofluoromethane	7.909	113	26209	59.444	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 118.880%			
50) Toluene-d8	10.338	98	87211	51.298	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.600%			
62) 4-Bromofluorobenzene	12.626	95	28458	50.087	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 100.180%			
Target Compounds					Qvalue	
3) Chloromethane	2.203	50	2263	3.583	ug/l	97
4) Vinyl Chloride	2.344	62	746	1.123	ug/l	98
5) Bromomethane	2.779	94	3147	6.362	ug/l	100
10) Methyl Iodide	4.309	142	2773	8.482	ug/l #	41
11) Tert butyl alcohol	5.073	59	64	2.600	ug/l #	73
13) Acrolein	3.932	56	713	20.692	ug/l #	32
16) Acetone	4.162	43	9711	113.003	ug/l #	64
17) Carbon Disulfide	4.415	76	6894	4.074	ug/l	97
20) Methylene Chloride	4.973	84	3727	Below Cal	#	76
23) Vinyl Acetate	6.350	43	55	20.410	ug/l #	71
25) 2-Butanone	7.209	43	2461	21.117	ug/l #	46
29) Tetrahydrofuran	7.562	42	166	2.202	ug/l #	32
31) Cyclohexane	7.973	56	1474	1.586	ug/l #	35
38) Carbon Tetrachloride	7.979	117	4131	5.992	ug/l #	20
39) Methylcyclohexane	9.356	83	891	1.031	ug/l #	55
48) Methyl methacrylate	9.467	41	62	2.970	ug/l #	13
51) 4-Methyl-2-Pentanone	10.220	43	335	1.306	ug/l #	59
56) Ethyl methacrylate	10.673	69	156	4.188	ug/l #	20
58) 2-Chloroethyl Vinyl ether	9.950	63	62	21.132	ug/l #	1
59) 2-Hexanone	10.979	43	431	2.541	ug/l #	21
74) N-amyl acetate	12.261	43	1537	3.630	ug/l #	68
76) 1,2,3-Trichloropropane	12.620	75	13497	44.318	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	13497	134.449	ug/l #	16
93) 1,2,4-Trichlorobenzene	15.149	180	1061	2.341	ug/l	80
95) Naphthalene	15.385	128	2689	7.583	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.567	180	790	2.015	ug/l #	41

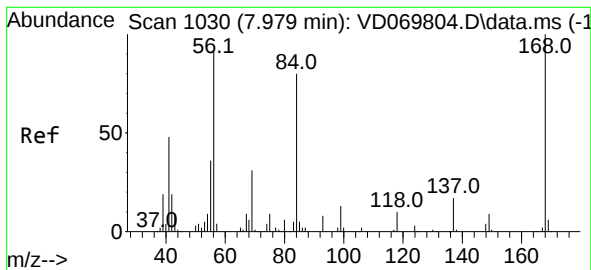
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072921\
Data File : VD069906.D
Acq On : 29 Jul 2021 12:41
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Quant Time: Jul 30 00:54:19 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

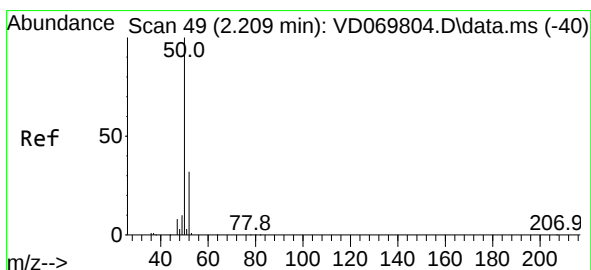
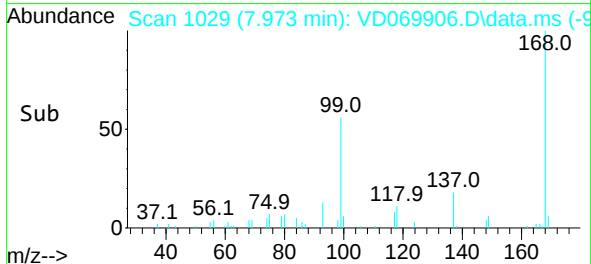
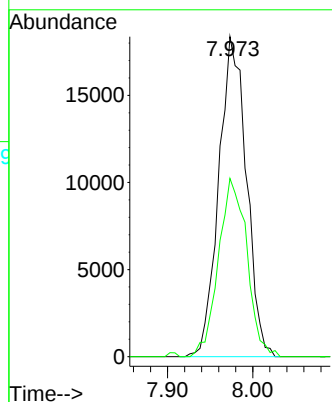
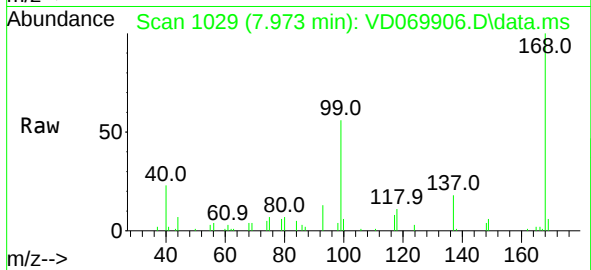




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

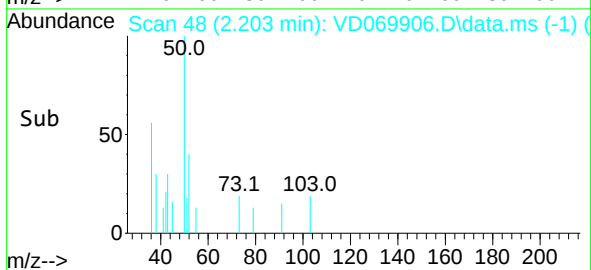
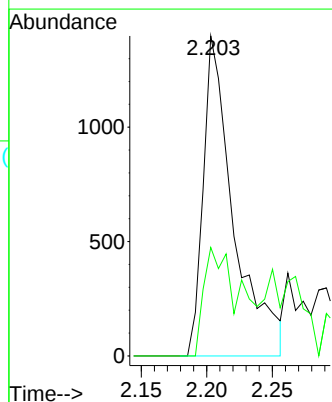
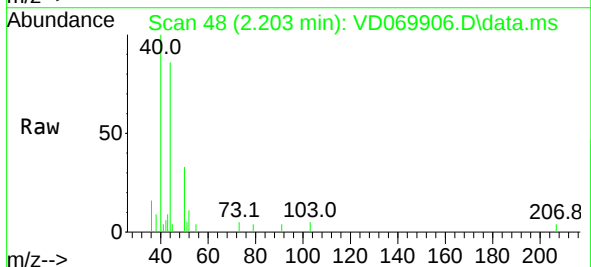
Instrument :
MSVOA_D
ClientSampled :

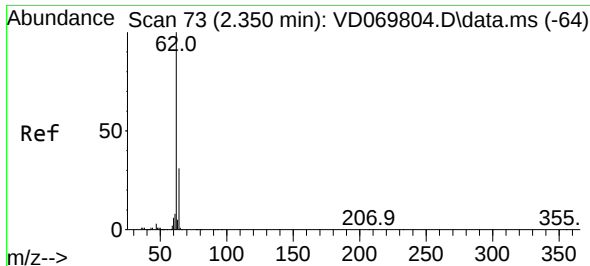
Tgt Ion:168 Resp: 41363
Ion Ratio Lower Upper
168 100
99 55.7 51.1 76.7



#3
Chloromethane
Concen: 3.583 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

Tgt Ion: 50 Resp: 2263
Ion Ratio Lower Upper
50 100
52 33.9 25.7 38.5

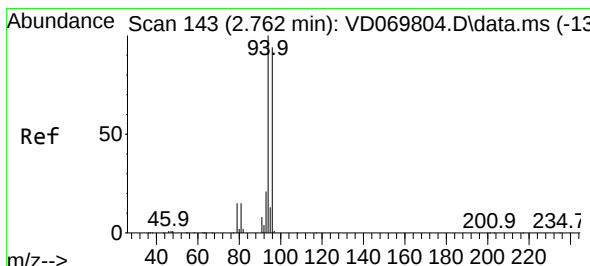
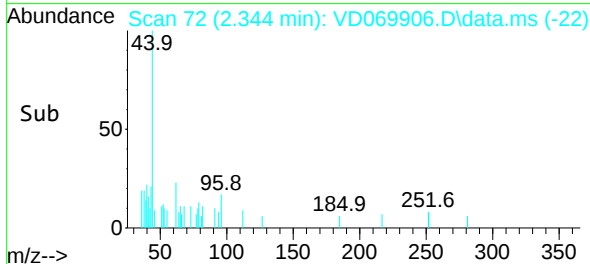
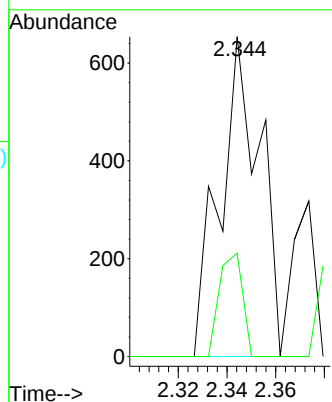
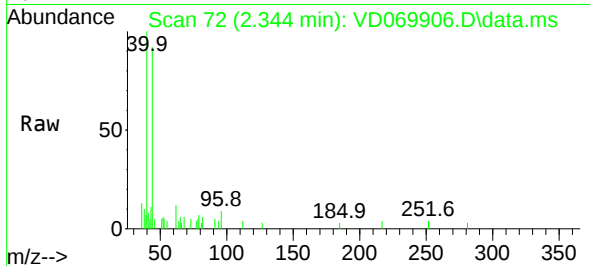




#4
 Vinyl Chloride
 Concen: 1.123 ug/l
 RT: 2.344 min Scan# 72
 Delta R.T. -0.006 min
 Lab File: VD069906.D
 Acq: 29 Jul 2021 12:41

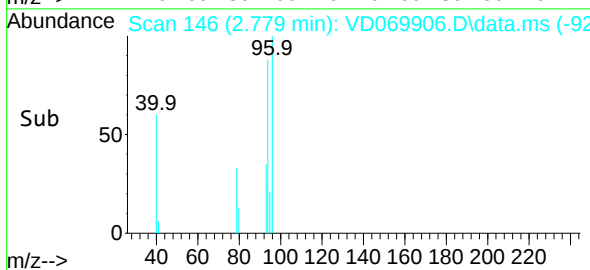
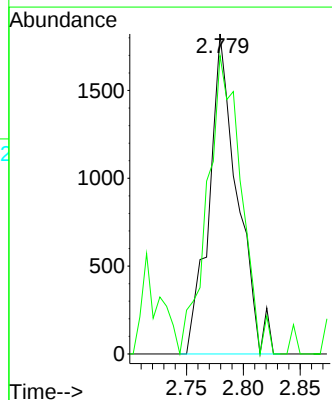
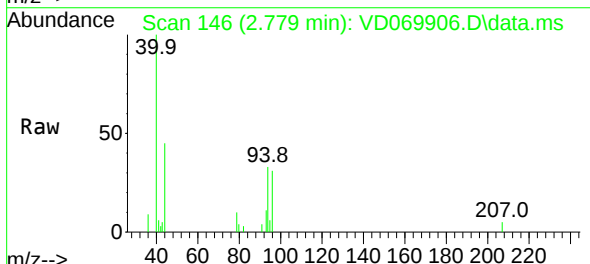
Instrument :
 MSVOA_D
 ClientSampled :

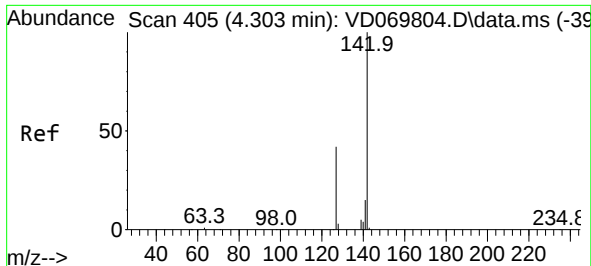
Tgt Ion: 62 Resp: 746
 Ion Ratio Lower Upper
 62 100
 64 32.3 25.0 37.4



#5
 Bromomethane
 Concen: 6.362 ug/l
 RT: 2.779 min Scan# 146
 Delta R.T. 0.017 min
 Lab File: VD069906.D
 Acq: 29 Jul 2021 12:41

Tgt Ion: 94 Resp: 3147
 Ion Ratio Lower Upper
 94 100
 96 93.2 74.8 112.2

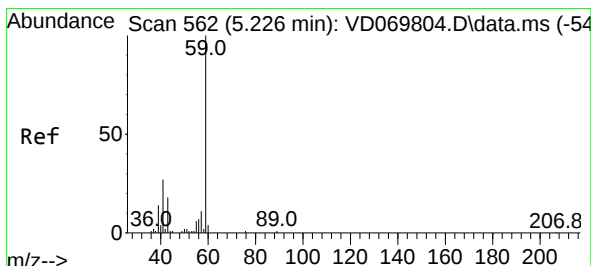
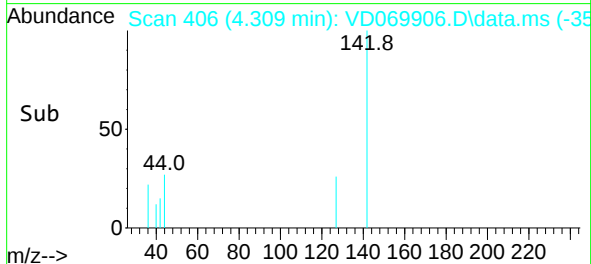
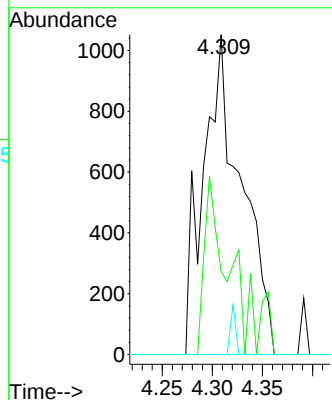
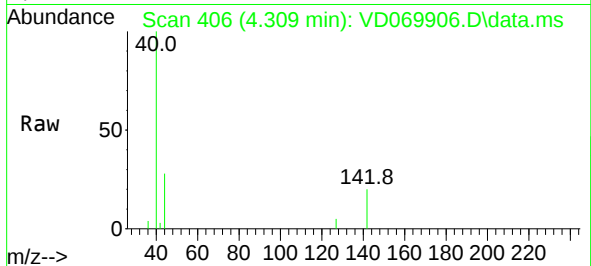




#10
Methyl Iodide
Concen: 8.482 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

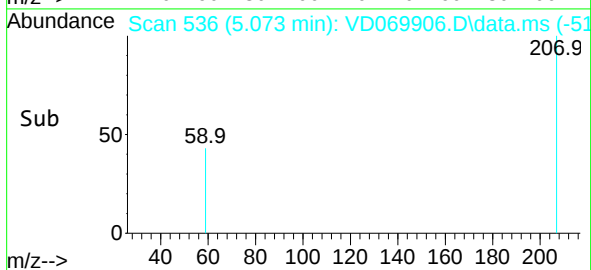
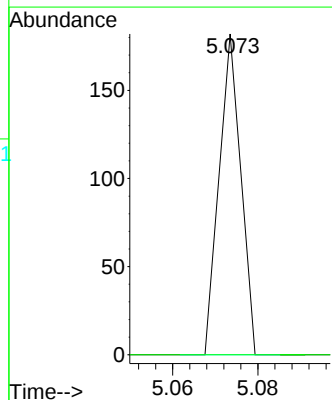
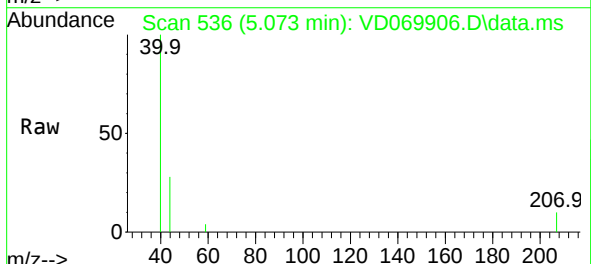
Instrument :
MSVOA_D
ClientSampled :

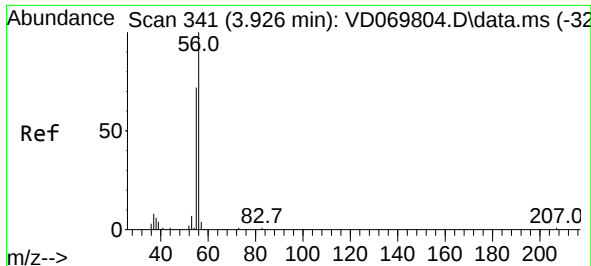
Tgt Ion:142 Resp: 2773
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 2.1 12.0 18.0#



#11
Tert butyl alcohol
Concen: 2.600 ug/l
RT: 5.073 min Scan# 536
Delta R.T. -0.153 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

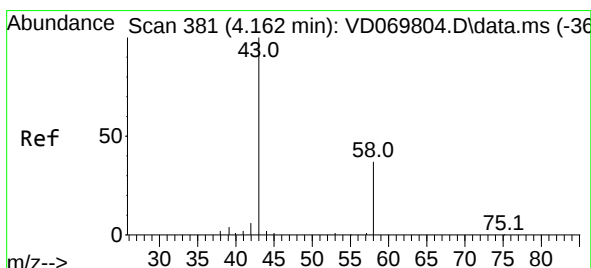
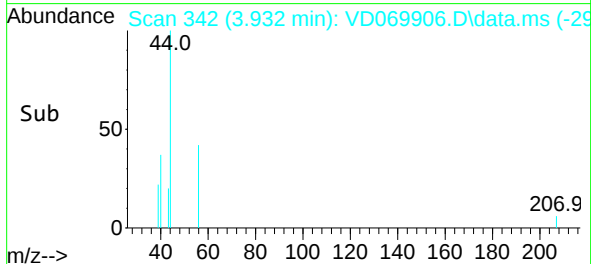
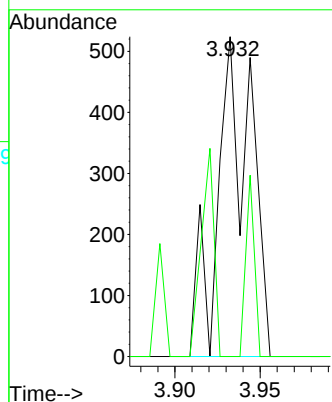
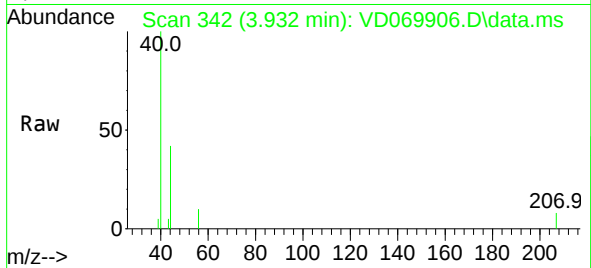




#13
Acrolein
Concen: 20.692 ug/l
RT: 3.932 min Scan# 342
Delta R.T. 0.006 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

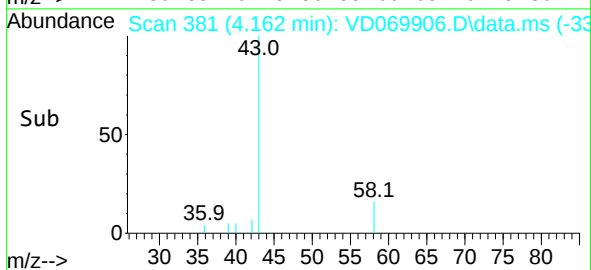
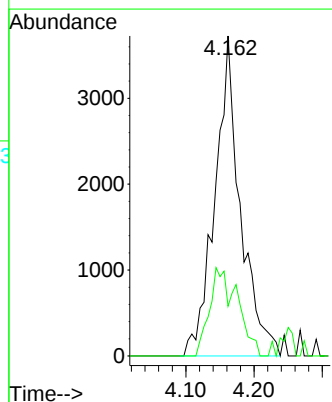
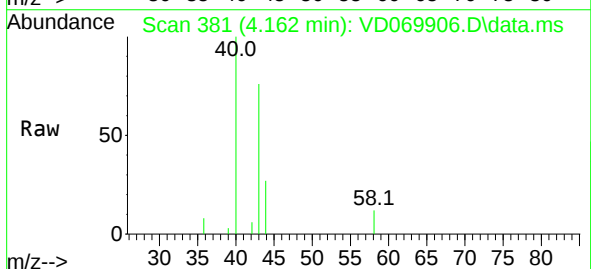
Instrument :
MSVOA_D
ClientSampled :

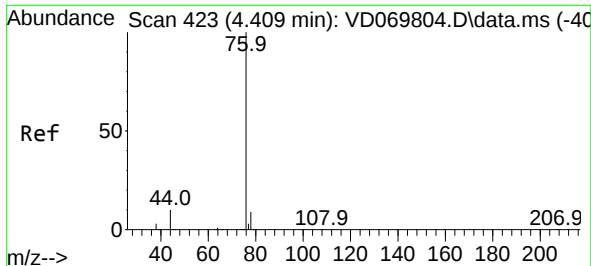
Tgt Ion: 56 Resp: 713
Ion Ratio Lower Upper
56 100
55 14.7 57.2 85.8#



#16
Acetone
Concen: 113.003 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.000 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

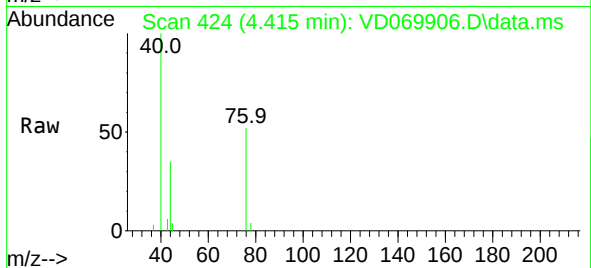
Tgt Ion: 43 Resp: 9711
Ion Ratio Lower Upper
43 100
58 15.5 29.4 44.0#



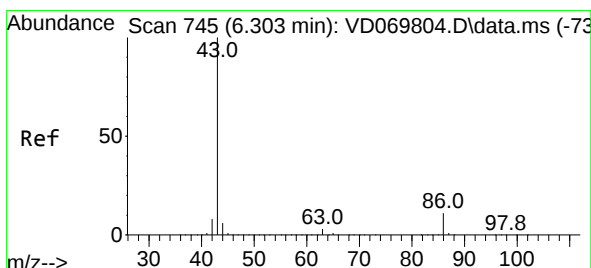
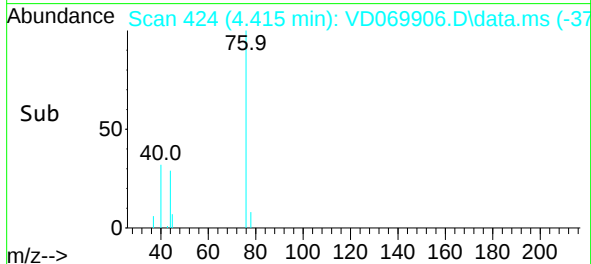
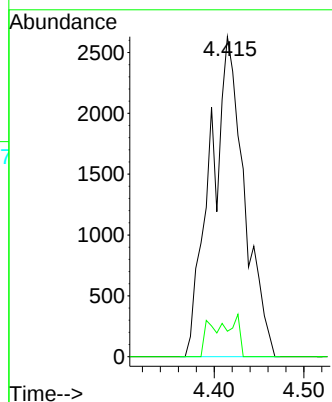


#17
Carbon Disulfide
Concen: 4.074 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

Instrument :
MSVOA_D
ClientSampled :

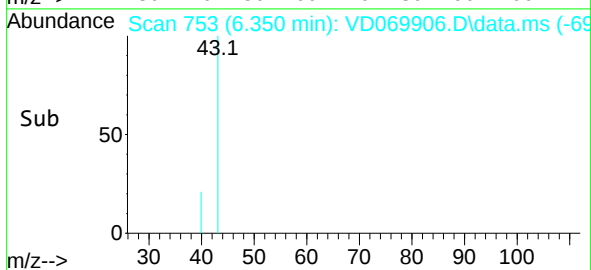
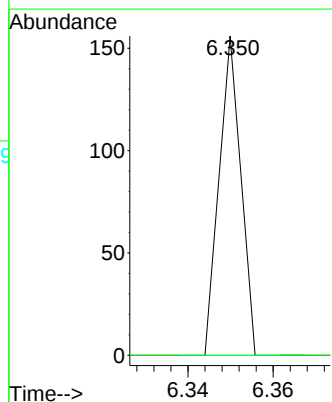
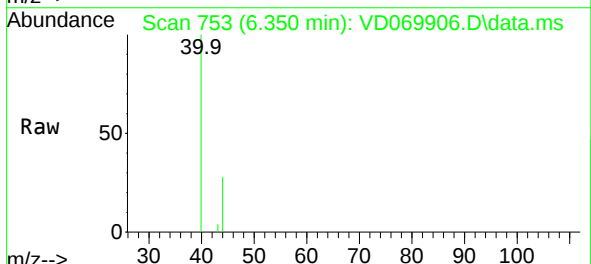


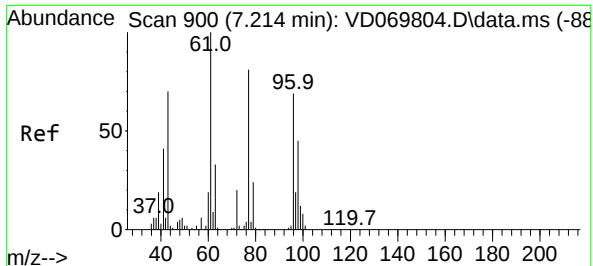
Tgt Ion: 76 Resp: 6894
Ion Ratio Lower Upper
76 100
78 7.9 7.3 10.9



#23
Vinyl Acetate
Concen: 20.410 ug/l
RT: 6.350 min Scan# 753
Delta R.T. 0.047 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
86 0.0 8.6 13.0#

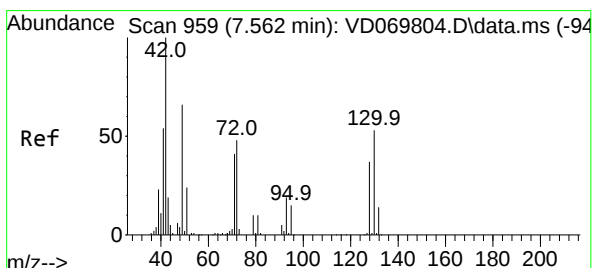
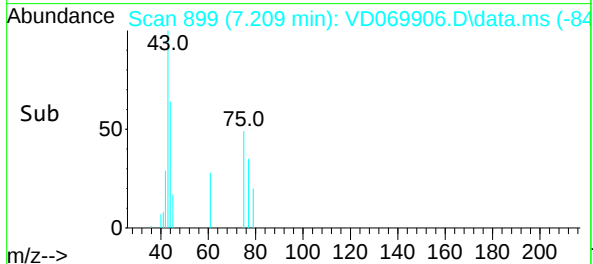
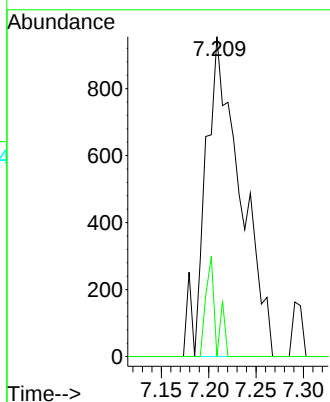
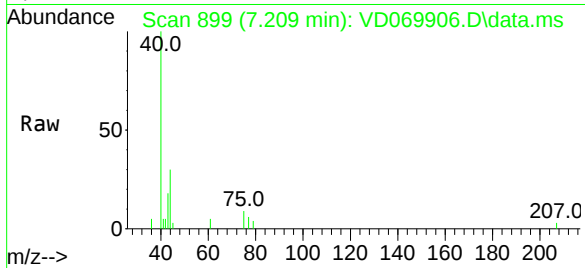




#25
2-Butanone
Concen: 21.117 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

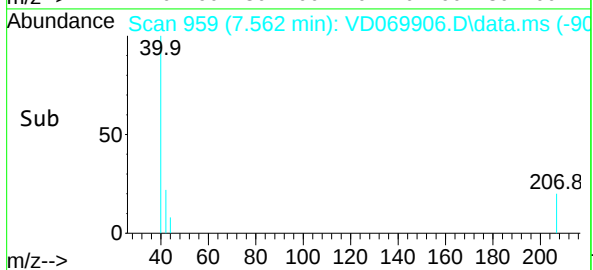
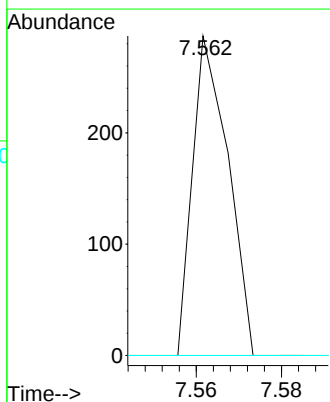
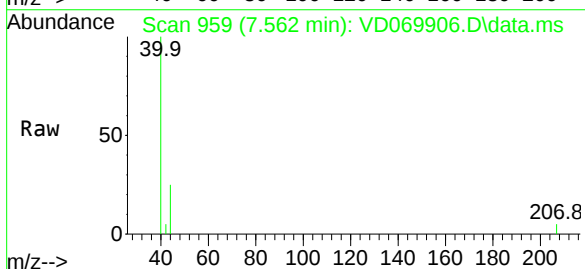
Instrument :
MSVOA_D
ClientSampled :

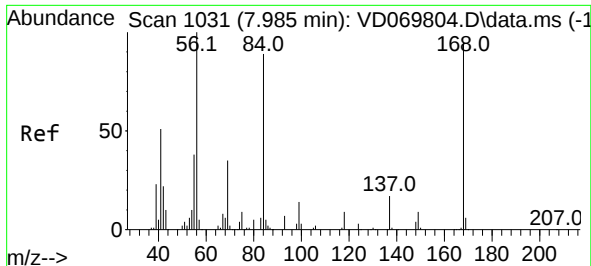
Tgt Ion: 43 Resp: 2461
Ion Ratio Lower Upper
43 100
72 0.0 22.8 34.2#



#29
Tetrahydrofuran
Concen: 2.202 ug/l
RT: 7.562 min Scan# 959
Delta R.T. 0.000 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

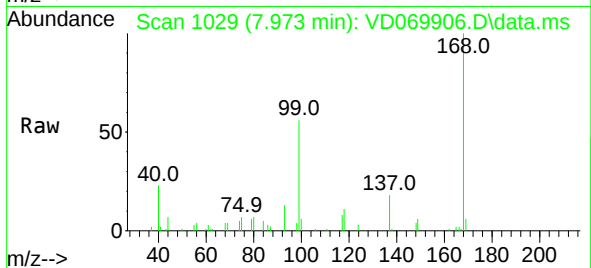
Tgt Ion: 42 Resp: 166
Ion Ratio Lower Upper
42 100
72 0.0 36.5 54.7#
71 0.0 33.5 50.3#



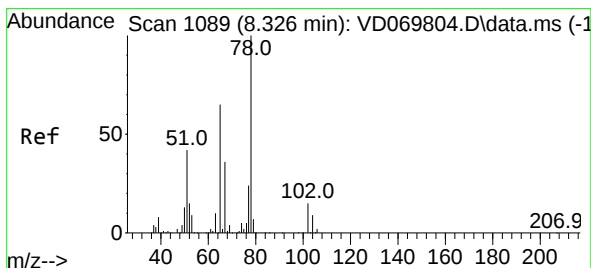
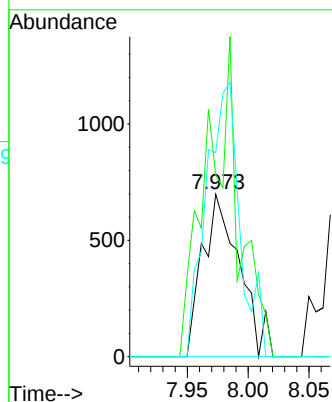
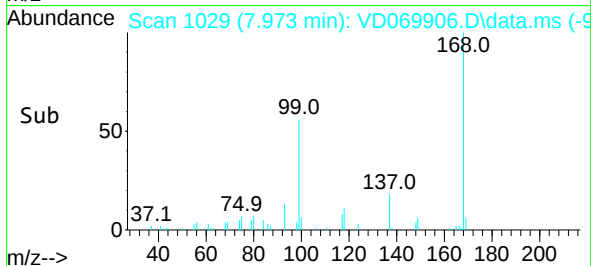


#31
Cyclohexane
Concen: 1.586 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

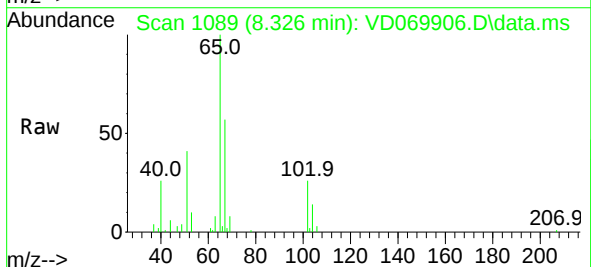
Instrument :
MSVOA_D
ClientSampled :



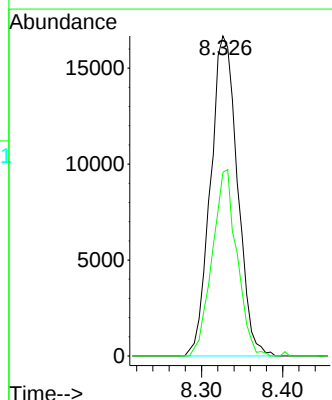
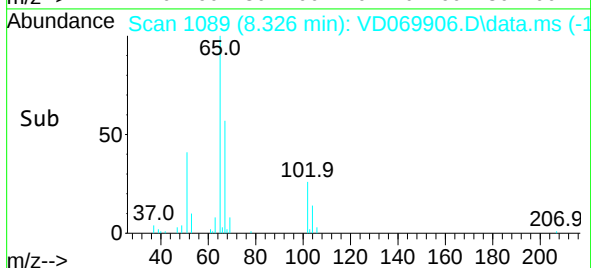
Tgt Ion: 56 Resp: 1474
Ion Ratio Lower Upper
56 100
69 111.9 27.9 41.9#
84 125.6 71.4 107.2#

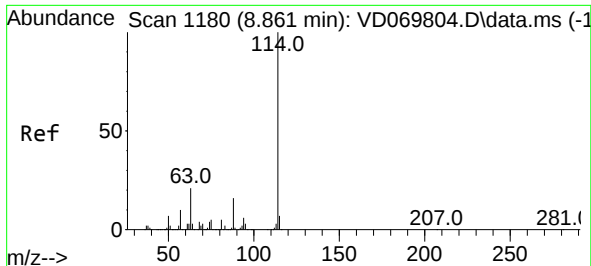


#33
1,2-Dichloroethane-d4
Concen: 80.887 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41



Tgt Ion: 65 Resp: 38479
Ion Ratio Lower Upper
65 100
67 53.4 0.0 111.2

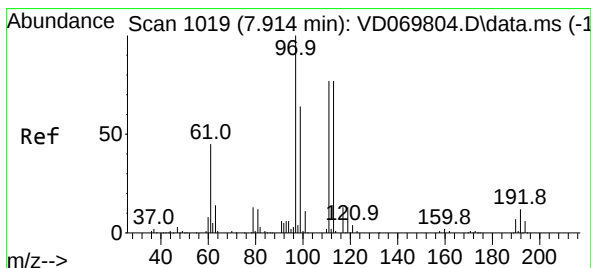
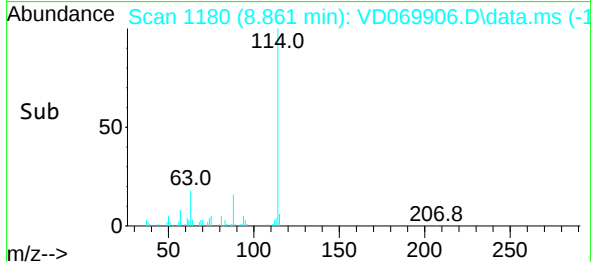
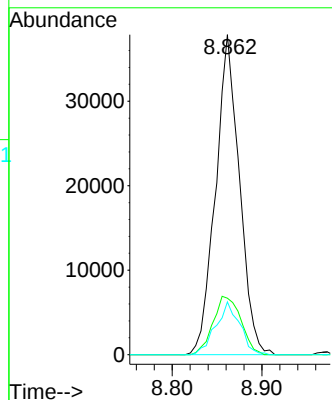
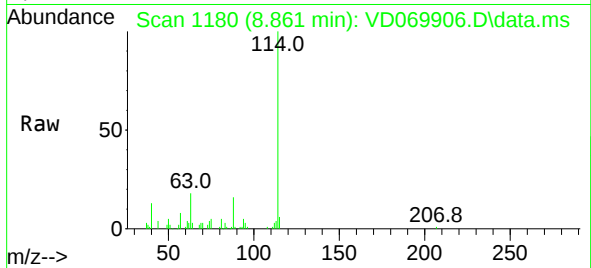




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

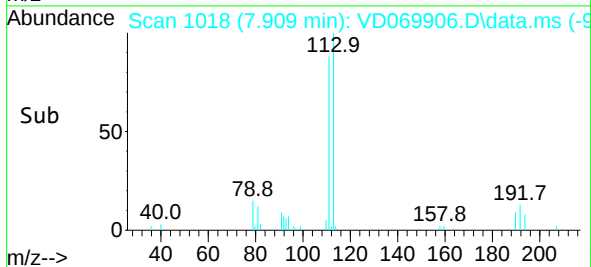
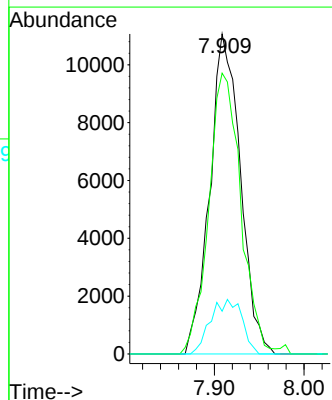
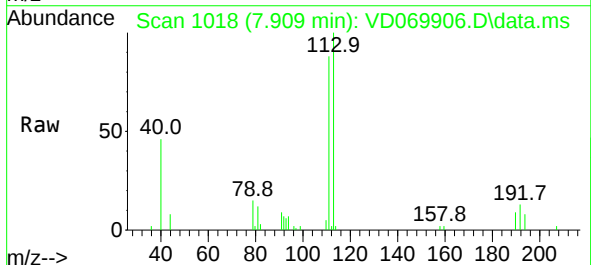
Instrument :
MSVOA_D
ClientSampled :

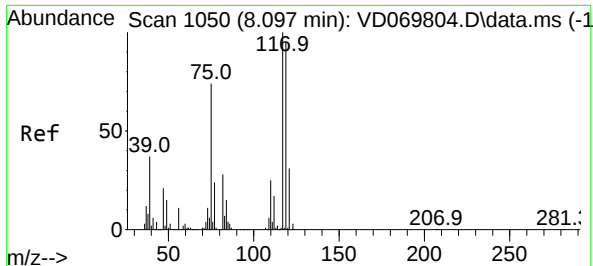
Tgt Ion:	114	Resp:	69940
Ion Ratio	Lower	Upper	
114	100		
63	17.7	0.0	41.6
88	16.5	0.0	31.4



#35
Dibromofluoromethane
Concen: 59.444 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

Tgt Ion:	113	Resp:	26209
Ion Ratio	Lower	Upper	
113	100		
111	91.6	80.5	120.7
192	17.5	12.6	19.0

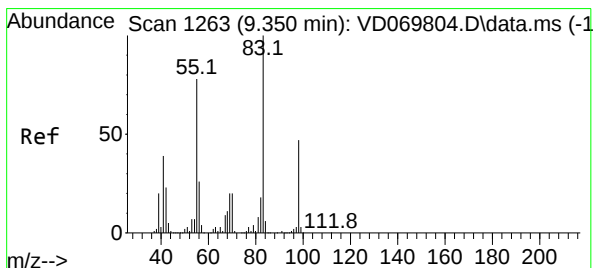
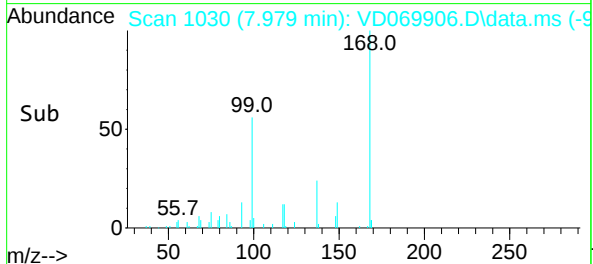
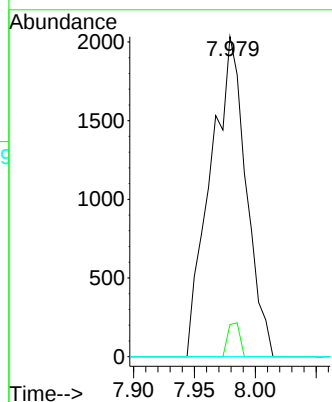
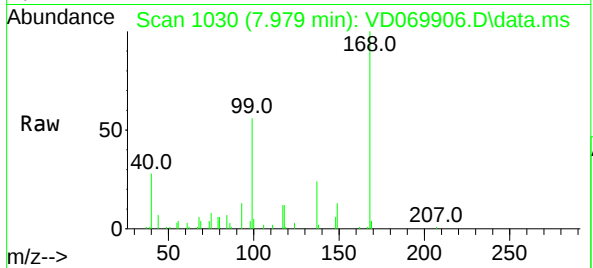




#38
Carbon Tetrachloride
Concen: 5.992 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

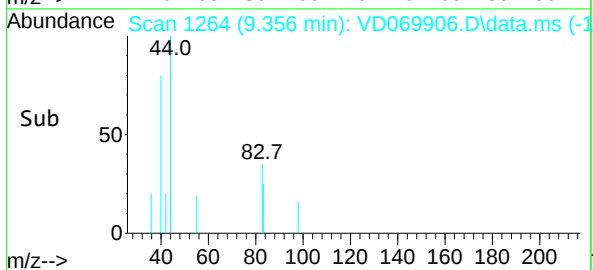
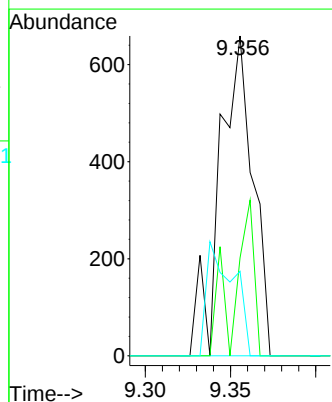
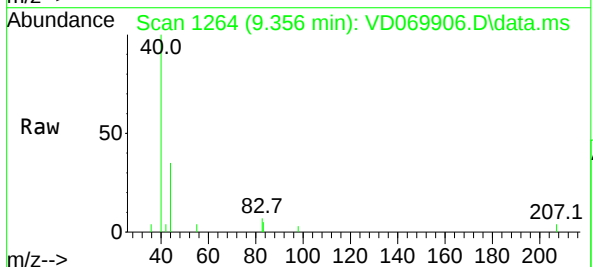
Instrument :
MSVOA_D
ClientSampled :

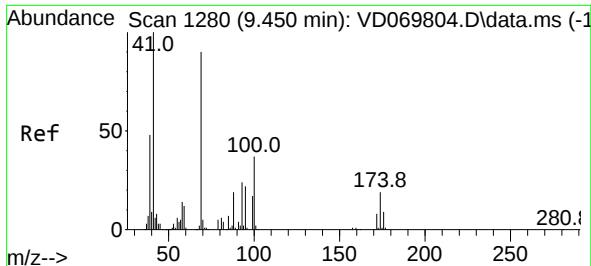
Tgt Ion:117 Resp: 4131
Ion Ratio Lower Upper
117 100
119 10.0 76.2 114.2#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 1.031 ug/l
RT: 9.356 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

Tgt Ion: 83 Resp: 891
Ion Ratio Lower Upper
83 100
55 30.7 62.2 93.2#
98 26.4 37.8 56.8#

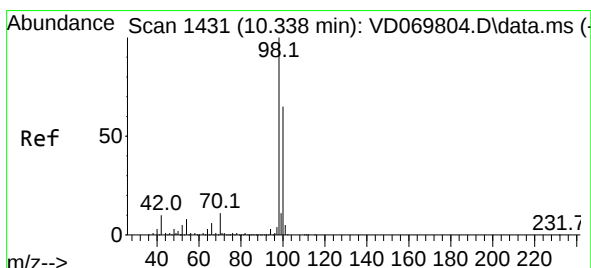
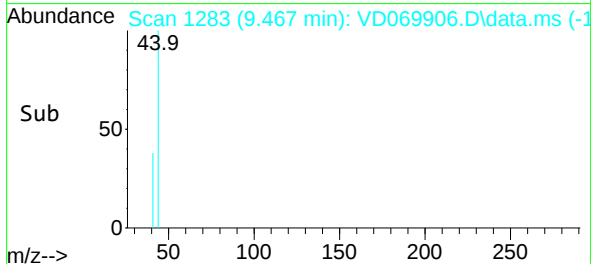
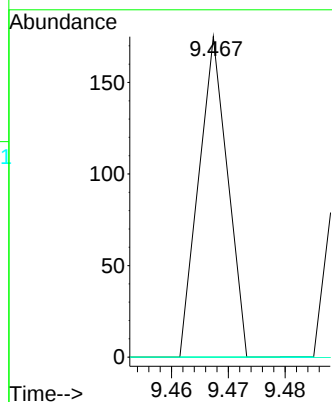
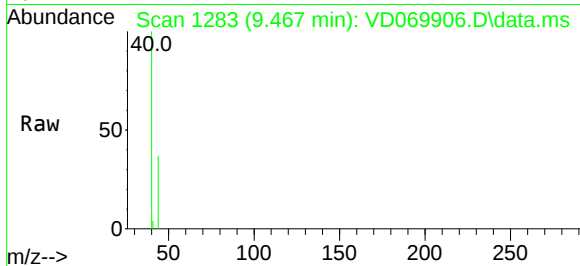




#48
Methyl methacrylate
Concen: 2.970 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.017 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

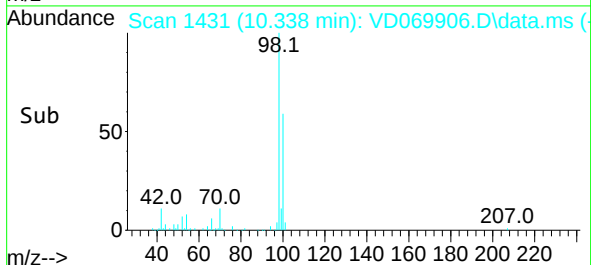
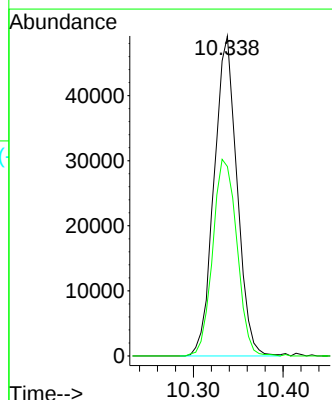
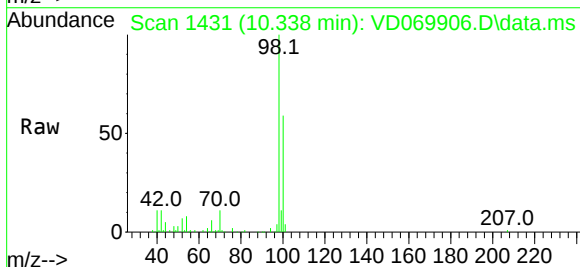
Instrument :
MSVOA_D
ClientSampled :

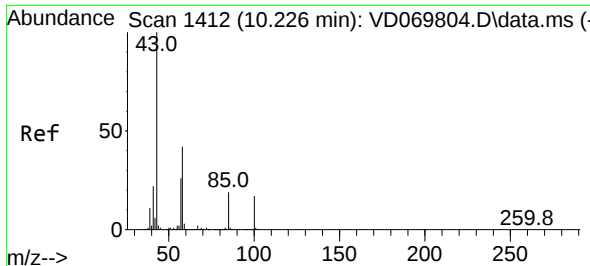
Tgt Ion: 41 Resp: 62
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 51.298 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

Tgt Ion: 98 Resp: 87211
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9

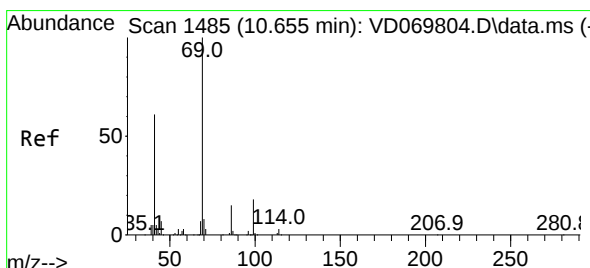
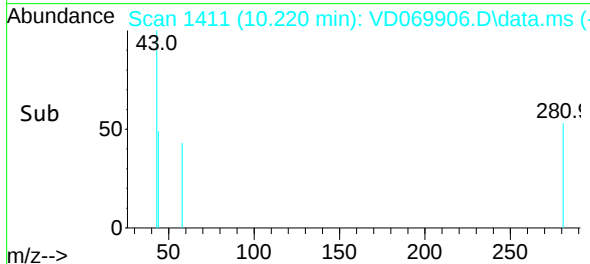
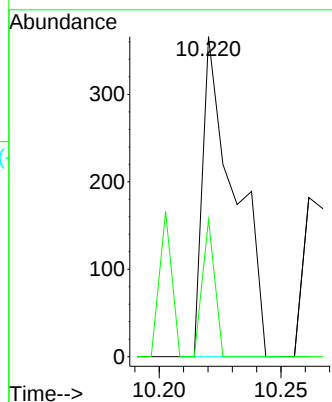
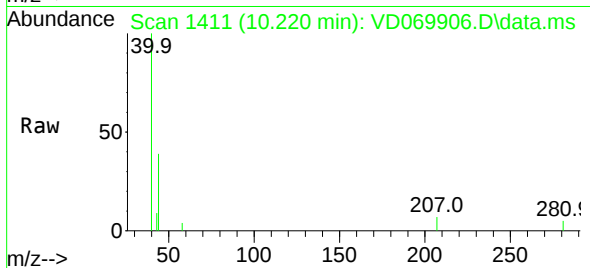




#51
4-Methyl-2-Pentanone
Concen: 1.306 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

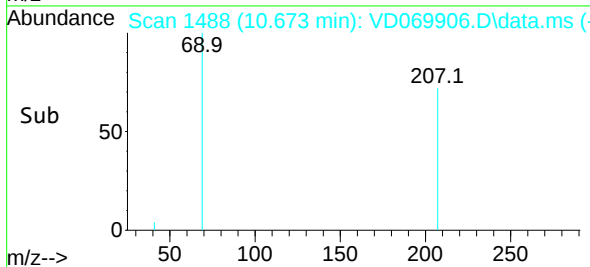
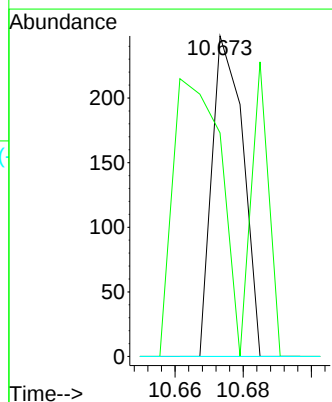
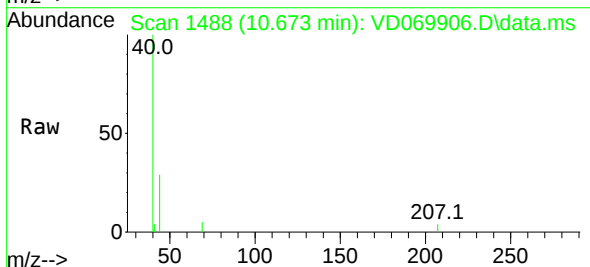
Instrument :
MSVOA_D
ClientSampled :

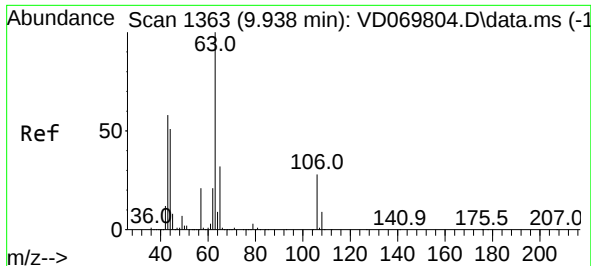
Tgt Ion: 43 Resp: 335
Ion Ratio Lower Upper
43 100
58 16.4 33.7 50.5#



#56
Ethyl methacrylate
Concen: 4.188 ug/l
RT: 10.673 min Scan# 1488
Delta R.T. 0.018 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

Tgt Ion: 69 Resp: 156
Ion Ratio Lower Upper
69 100
41 134.0 50.2 75.2#
39 0.0 22.0 33.0#

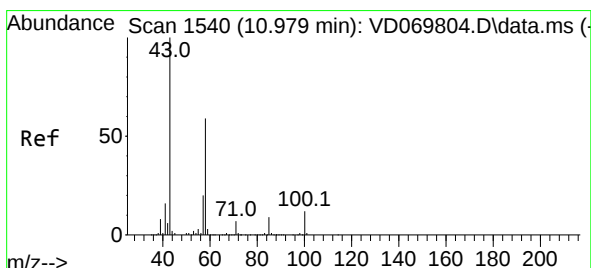
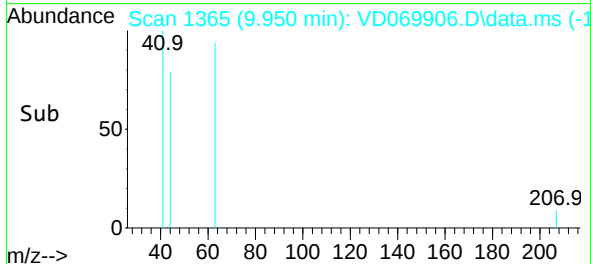
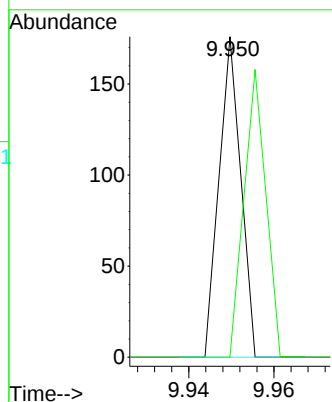
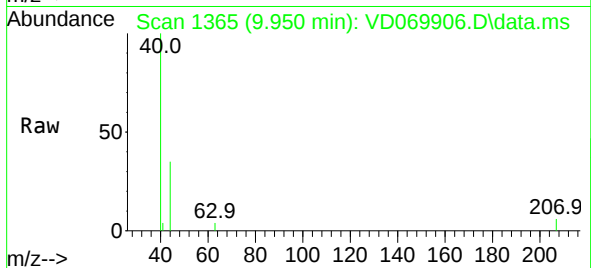




#58
2-Chloroethyl Vinyl ether
Concen: 21.132 ug/l
RT: 9.950 min Scan# 1365
Delta R.T. 0.012 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

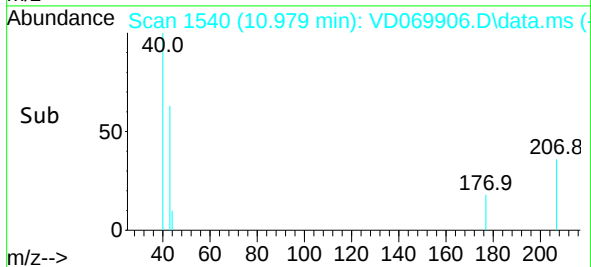
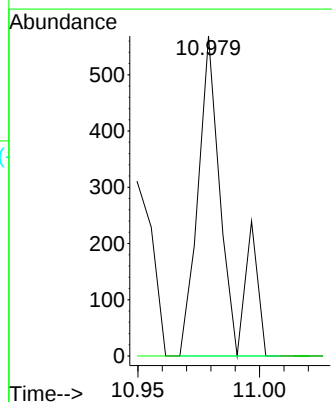
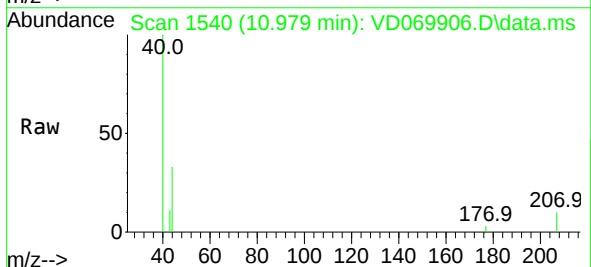
Instrument :
MSVOA_D
ClientSampled :

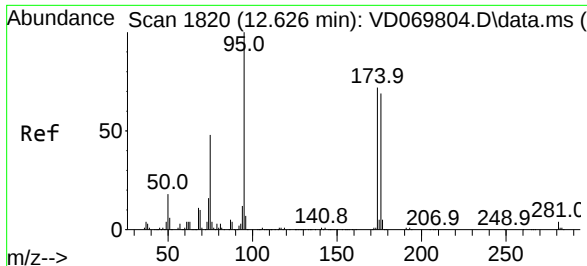
Tgt Ion: 63 Resp: 62
Ion Ratio Lower Upper
63 100
106 90.3 21.8 32.6#



#59
2-Hexanone
Concen: 2.541 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. 0.000 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

Tgt Ion: 43 Resp: 431
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#

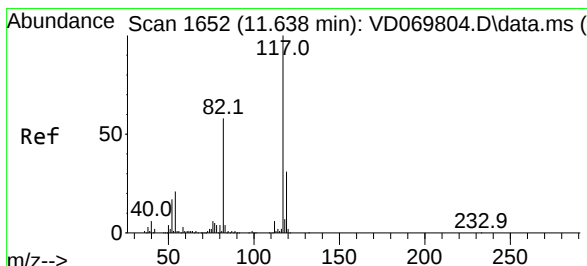
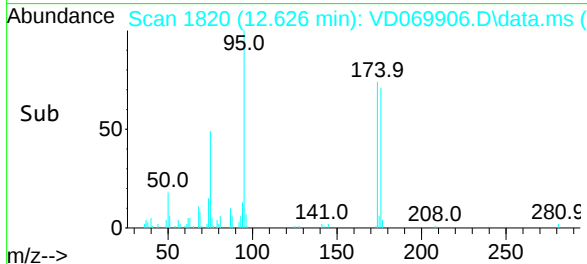
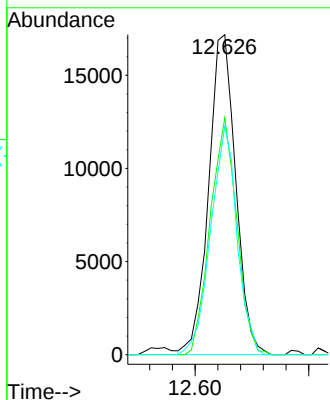
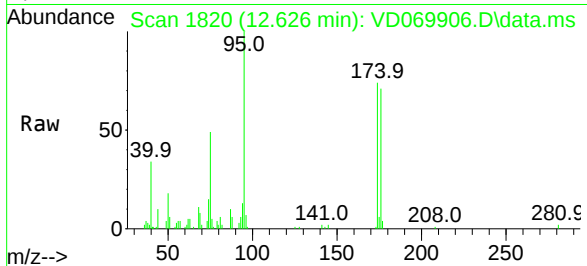




#62
4-Bromofluorobenzene
Concen: 50.087 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

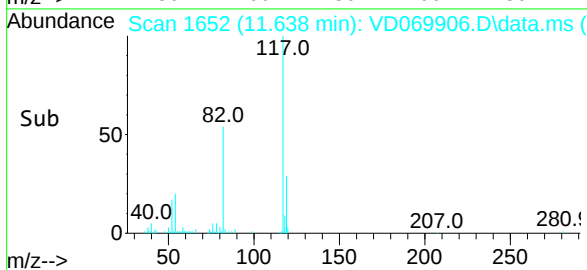
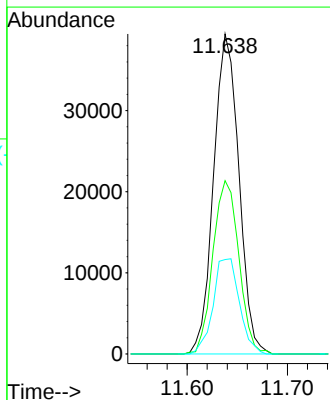
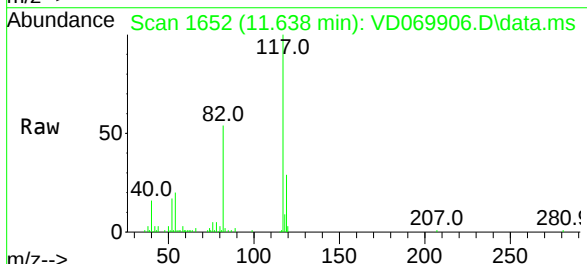
Instrument :
MSVOA_D
ClientSampled :

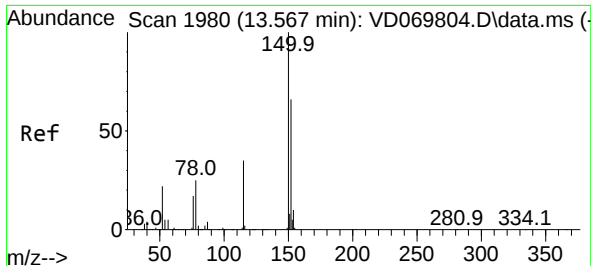
Tgt Ion:	95	Resp:	28458
Ion	Ratio	Lower	Upper
95	100		
174	72.6	0.0	142.6
176	69.5	0.0	134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

Tgt Ion:	117	Resp:	68962
Ion	Ratio	Lower	Upper
117	100		
82	54.2	46.3	69.5
119	29.5	24.7	37.1

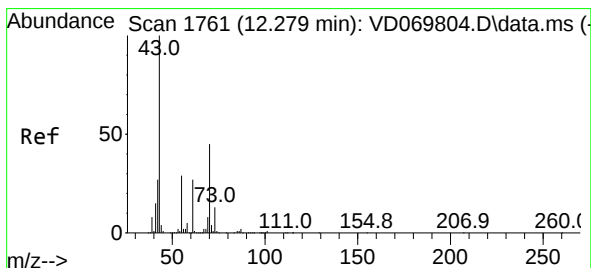
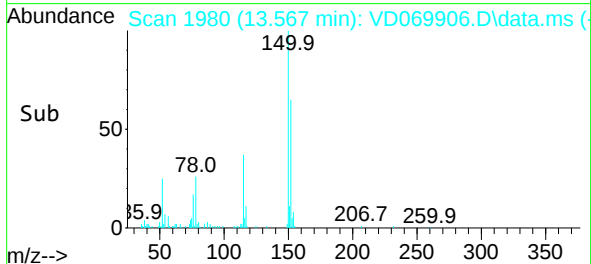
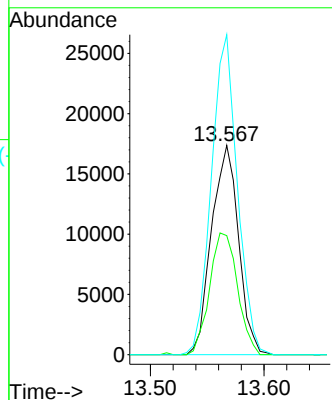
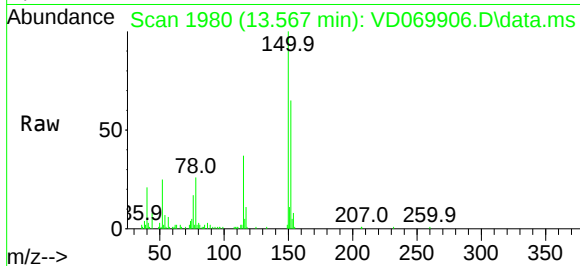




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

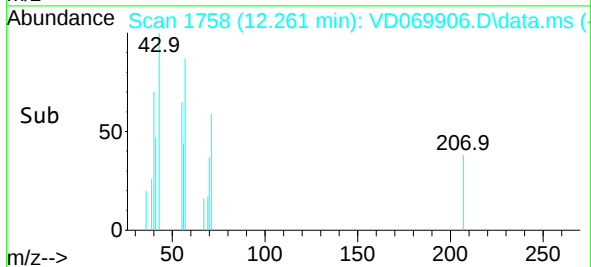
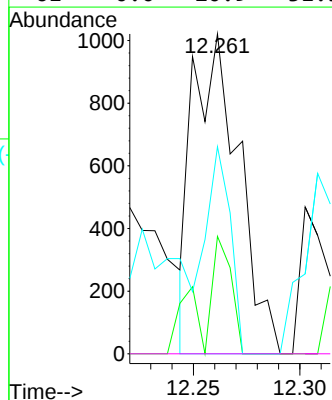
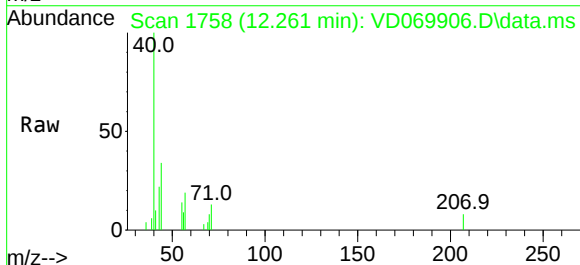
Instrument :
MSVOA_D
ClientSampled :

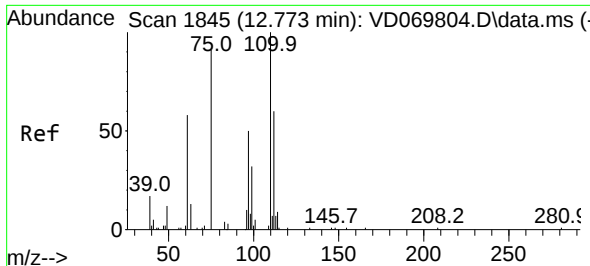
Tgt Ion:152 Resp: 28652
Ion Ratio Lower Upper
152 100
115 60.1 31.1 93.3
150 147.5 0.0 343.0



#74
N-ethyl acetate
Concen: 3.630 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

Tgt Ion: 43 Resp: 1537
Ion Ratio Lower Upper
43 100
70 23.6 37.9 56.9#
55 33.9 23.7 35.5
61 0.0 20.9 31.3#

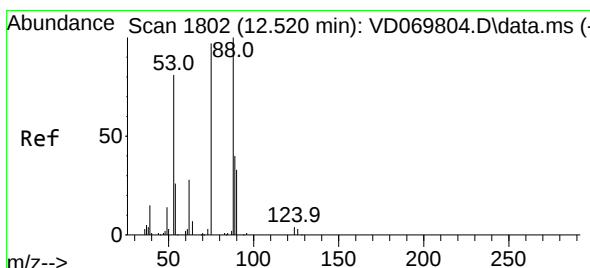
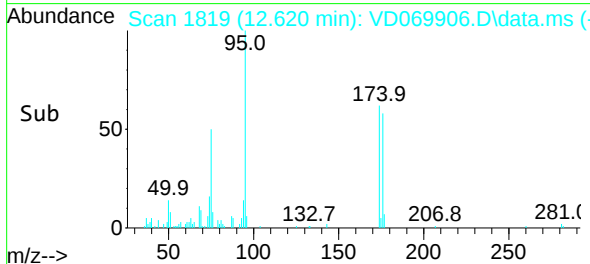
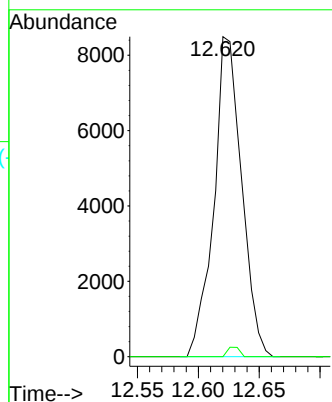
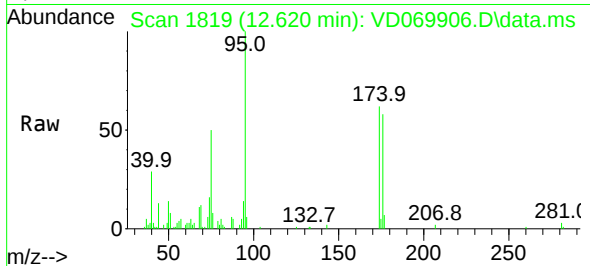




#76
1,2,3-Trichloropropane
Concen: 44.318 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

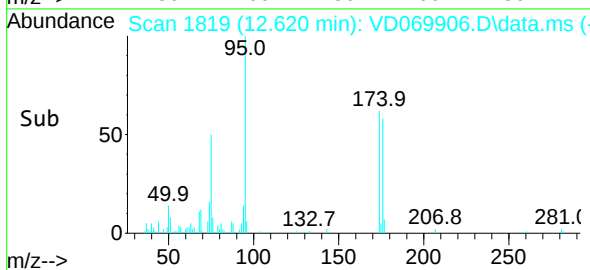
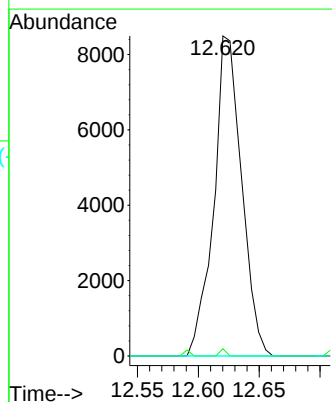
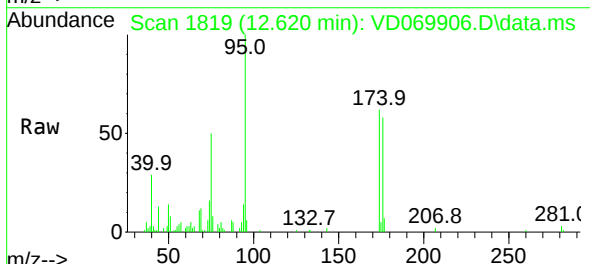
Instrument :
MSVOA_D
ClientSampled :

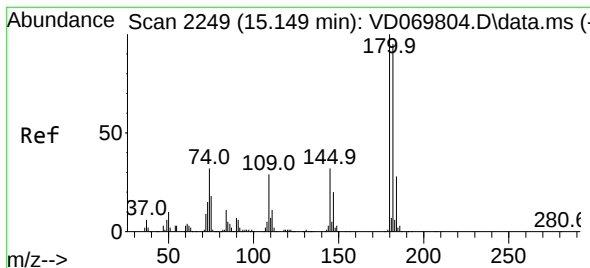
Tgt Ion: 75 Resp: 13497
Ion Ratio Lower Upper
75 100
77 1.3 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 134.449 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

Tgt Ion: 75 Resp: 13497
Ion Ratio Lower Upper
75 100
53 0.5 67.2 100.8#
89 0.0 35.8 53.6#

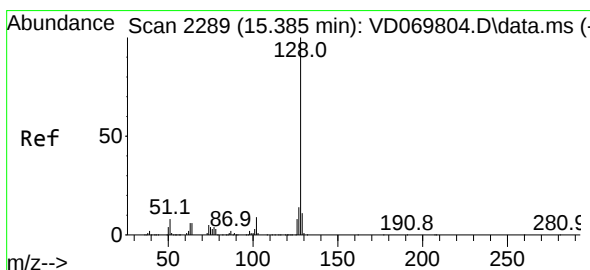
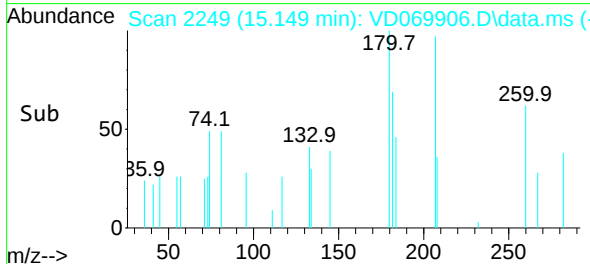
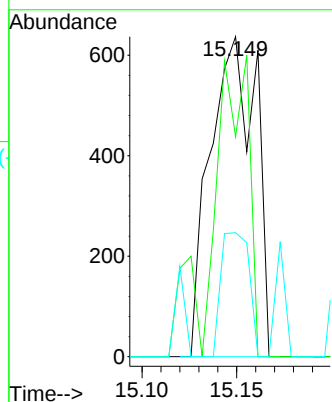
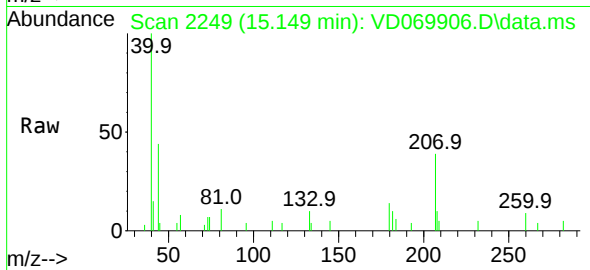




#93
1,2,4-Trichlorobenzene
Concen: 2.341 ug/l
RT: 15.149 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

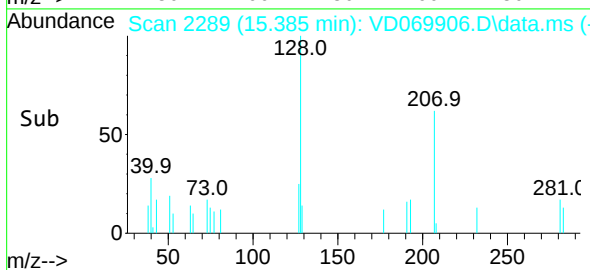
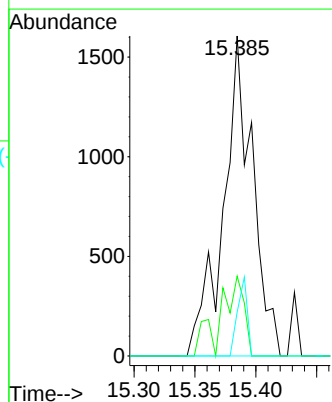
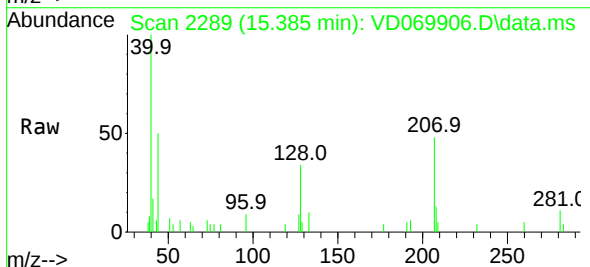
Instrument :
MSVOA_D
ClientSampled :

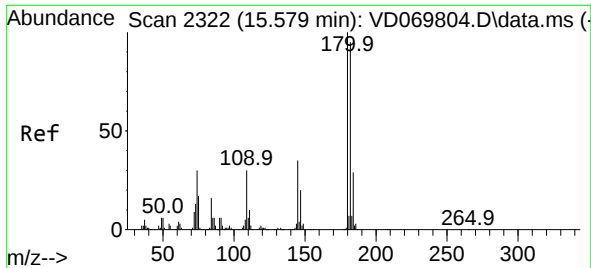
Tgt Ion	Ratio	Lower	Upper
180	100		
182	74.9	47.6	142.9
145	23.9	16.4	49.2



#95
Naphthalene
Concen: 7.583 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD069906.D
Acq: 29 Jul 2021 12:41

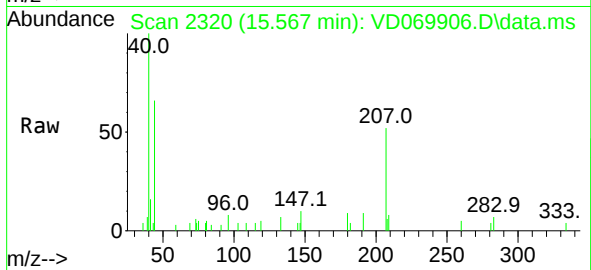
Tgt Ion	Ratio	Lower	Upper
128	100		
127	20.8	10.6	16.0#
129	8.1	8.6	12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.015 ug/l
 RT: 15.567 min Scan# 2320
 Delta R.T. -0.012 min
 Lab File: VD069906.D
 Acq: 29 Jul 2021 12:41

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	180	Resp:	790
Ion Ratio	Lower	Upper	
180	100		
182	54.3	47.3	142.0
145	96.8	17.3	51.9#

