

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072921\
 Data File : VD069908.D
 Acq On : 29 Jul 2021 13:37
 Operator : VA/SY
 Sample : M3216-02RE
 Misc : 10.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 30 00:54:57 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)

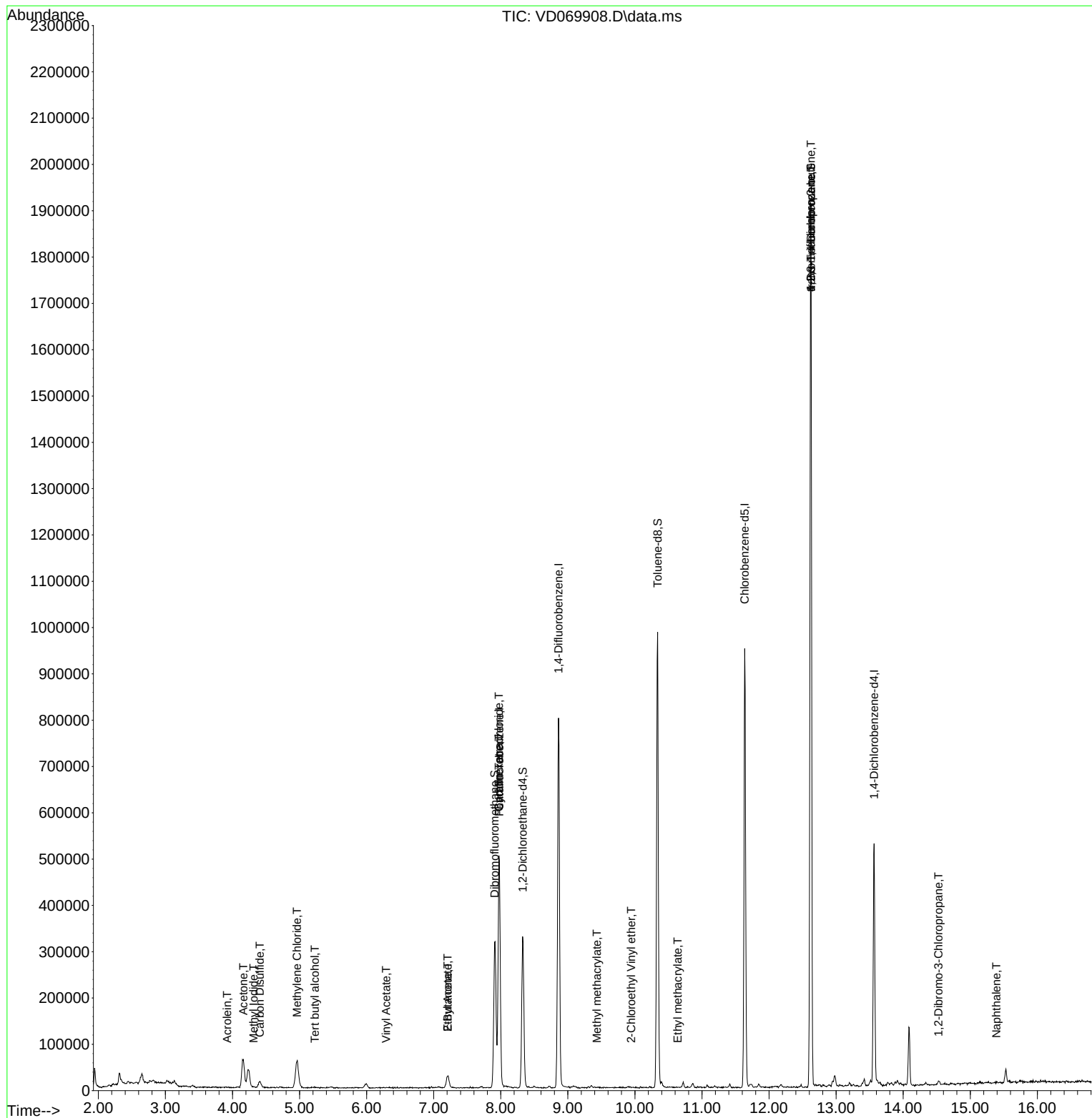
Internal Standards						
1) Pentafluorobenzene	7.979	168	350277	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	681013	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	541328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	139665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	257767	63.986	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 127.980%			
35) Dibromofluoromethane	7.908	113	239376	55.758	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.520%			
50) Toluene-d8	10.338	98	681527	41.170	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 82.340%			
62) 4-Bromofluorobenzene	12.626	95	189860	34.318	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 68.640%			
Target Compounds						Qvalue
5) Bromomethane	2.767	94	3394	Below Cal		91
10) Methyl Iodide	4.314	142	1948	3.879 ug/l #		40
11) Tert butyl alcohol	5.226	59	1056	5.066 ug/l #		89
13) Acrolein	3.920	56	794	2.721 ug/l #		47
16) Acetone	4.162	43	109723	150.774 ug/l		97
17) Carbon Disulfide	4.409	76	29847	2.083 ug/l #		93
20) Methylene Chloride	4.961	84	48535	3.307 ug/l		91
23) Vinyl Acetate	6.291	43	63	20.357 ug/l #		71
25) 2-Butanone	7.208	43	35099	35.565 ug/l		90
31) Cyclohexane	7.973	56	9464	1.202 ug/l #		1
37) Ethyl Acetate	7.208	43	35099	13.119 ug/l #		68
38) Carbon Tetrachloride	7.973	117	37974	5.657 ug/l #		16
48) Methyl methacrylate	9.432	41	152	2.803 ug/l #		13
56) Ethyl methacrylate	10.638	69	64	3.908 ug/l #		28
58) 2-Chloroethyl Vinyl ether	9.944	63	792	21.214 ug/l #		48
76) 1,2,3-Trichloropropane	12.626	75	103034	69.405 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	103034	210.556 ug/l #		18
92) 1,2-Dibromo-3-Chloropr...	14.526	75	2175	7.537 ug/l #		7
95) Naphthalene	15.390	128	2585	5.508 ug/l #		80

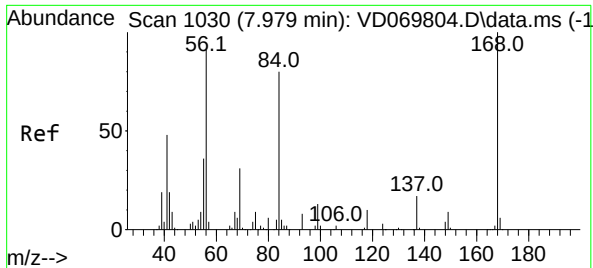
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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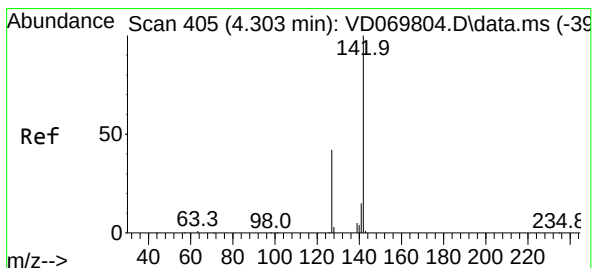
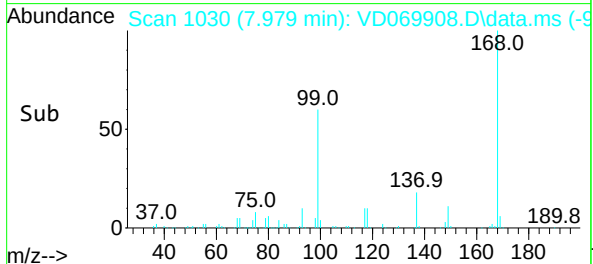
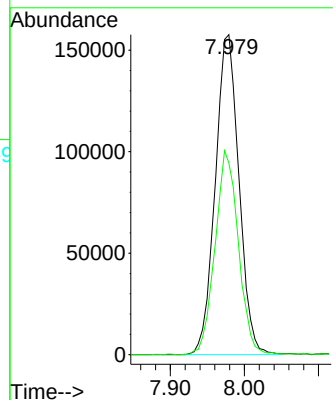
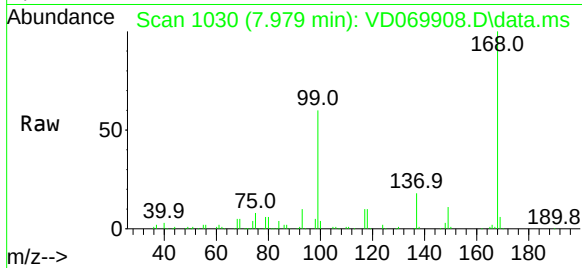




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

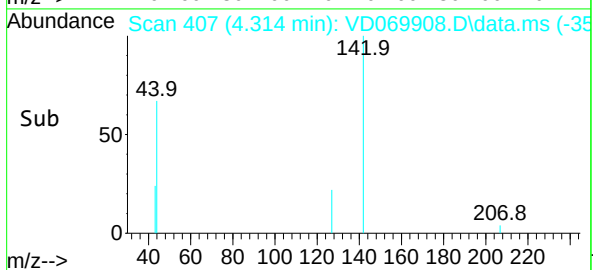
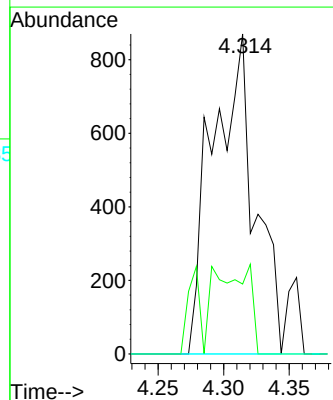
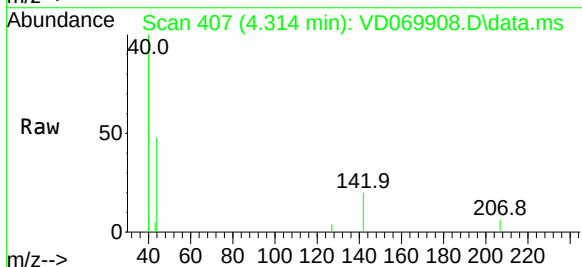
Instrument :
MSVOA_D
ClientSampled :

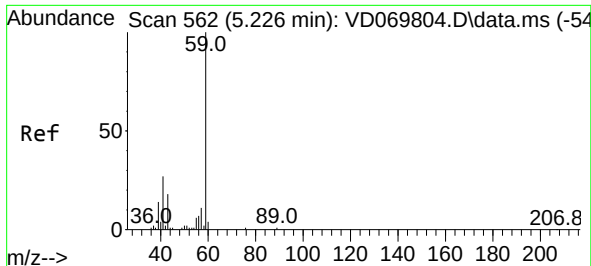
Tgt Ion:168 Resp: 350277
Ion Ratio Lower Upper
168 100
99 59.9 51.1 76.7



#10
Methyl Iodide
Concen: 3.879 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.011 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

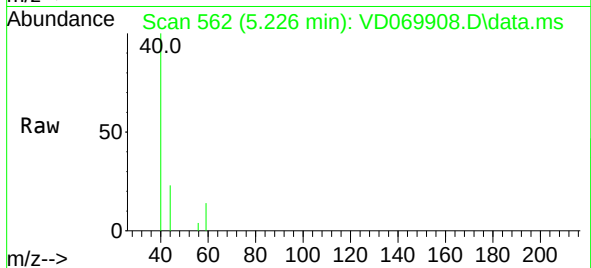
Tgt Ion:142 Resp: 1948
Ion Ratio Lower Upper
142 100
127 0.0 35.7 53.5#
141 0.0 12.0 18.0#



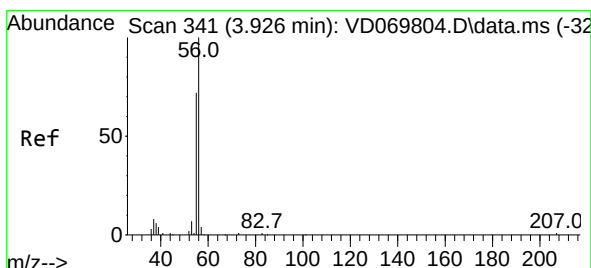
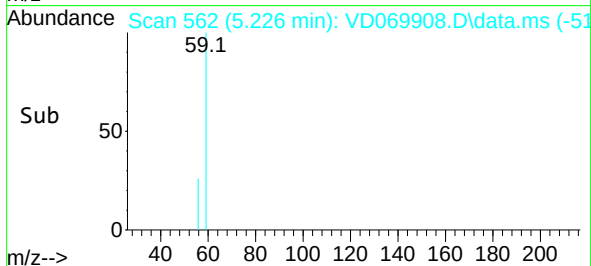
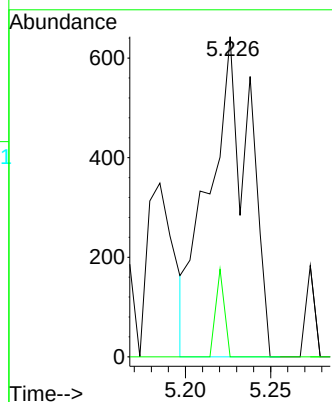


#11
Tert butyl alcohol
Concen: 5.066 ug/l
RT: 5.226 min Scan# 562
Delta R.T. -0.000 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

Instrument :
MSVOA_D
ClientSampled :

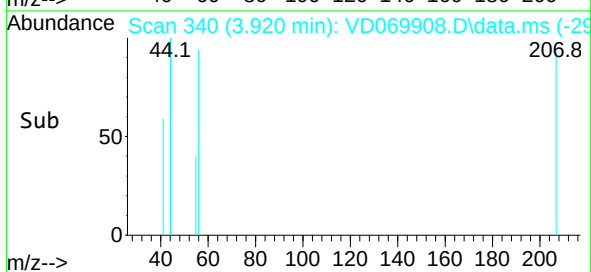
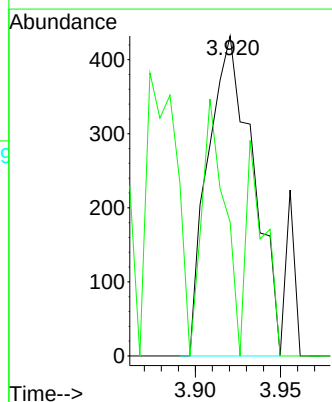
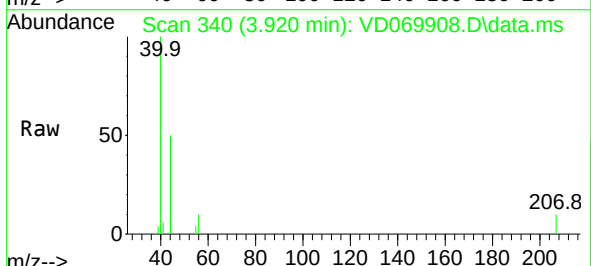


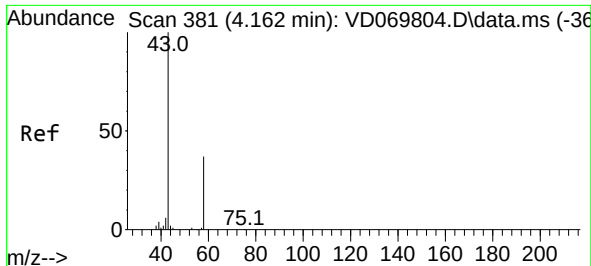
Tgt Ion: 59 Resp: 1056
Ion Ratio Lower Upper
59 100
57 5.9 8.1 12.1#



#13
Acrolein
Concen: 2.721 ug/l
RT: 3.920 min Scan# 340
Delta R.T. -0.006 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

Tgt Ion: 56 Resp: 794
Ion Ratio Lower Upper
56 100
55 27.6 57.2 85.8#

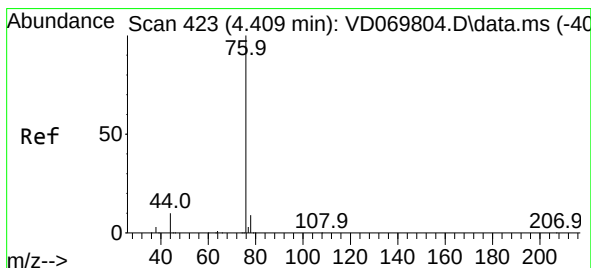
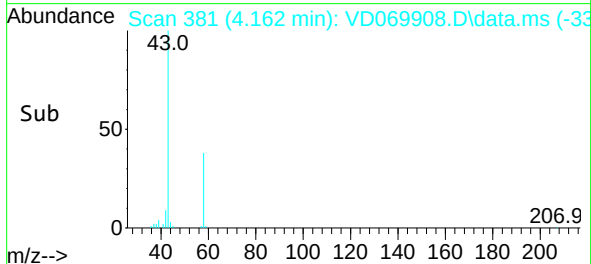
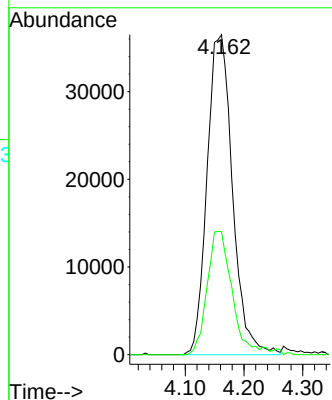
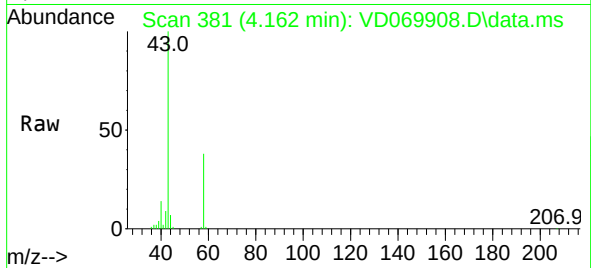




#16
Acetone
Concen: 150.774 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

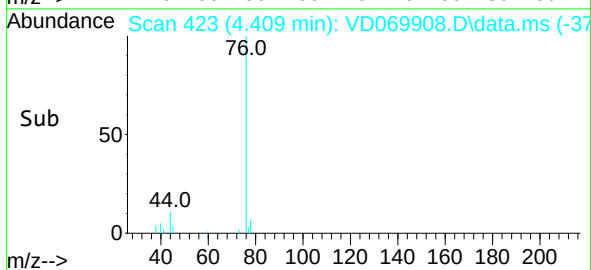
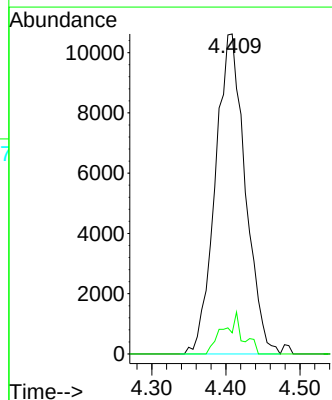
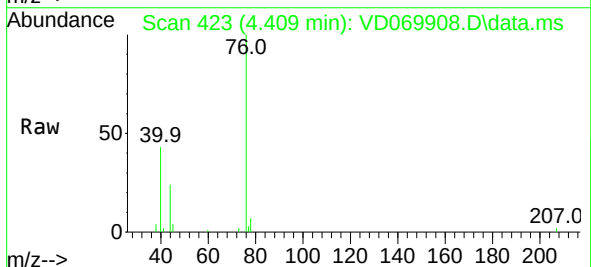
Instrument :
MSVOA_D
ClientSampled :

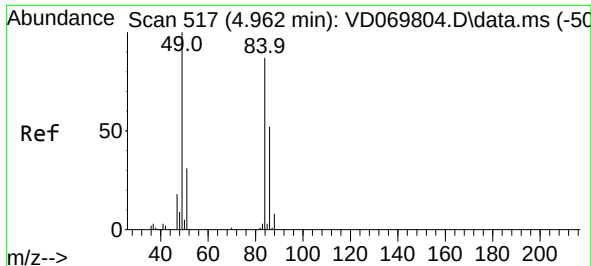
Tgt Ion: 43 Resp: 109723
Ion Ratio Lower Upper
43 100
58 38.4 29.4 44.0



#17
Carbon Disulfide
Concen: 2.083 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

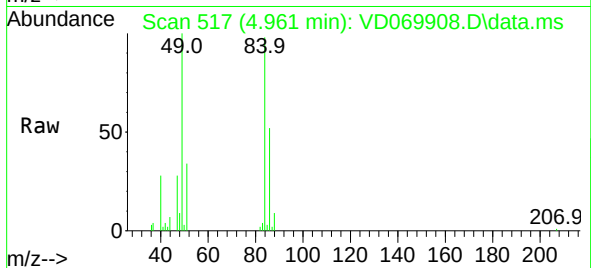
Tgt Ion: 76 Resp: 29847
Ion Ratio Lower Upper
76 100
78 6.6 7.3 10.9#



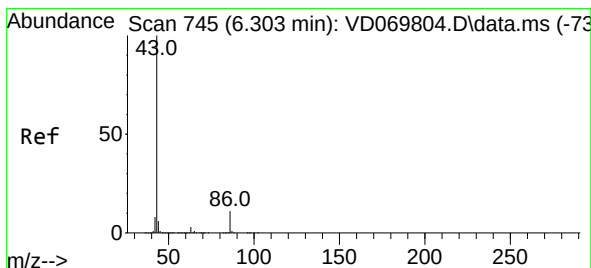
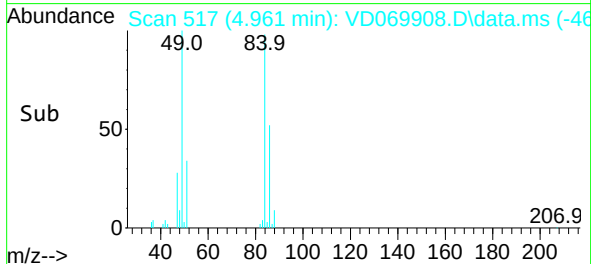
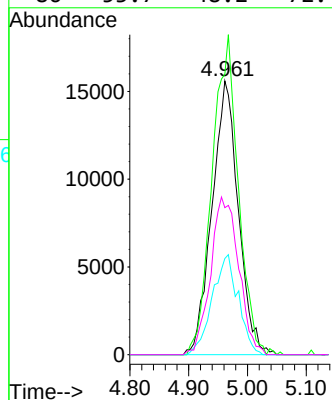


#20
Methylene Chloride
Concen: 3.307 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

Instrument :
MSVOA_D
ClientSampled :

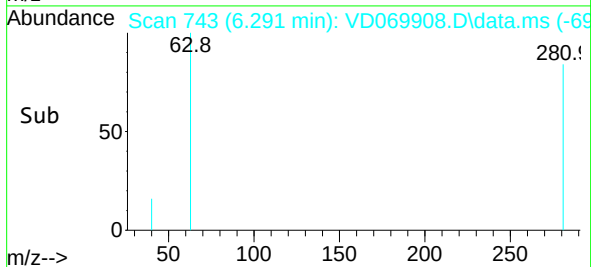
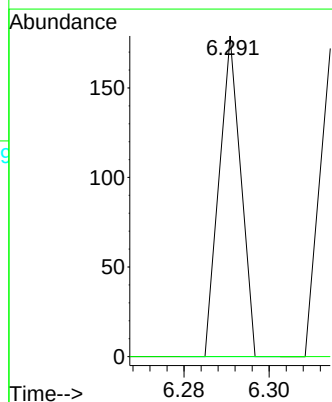
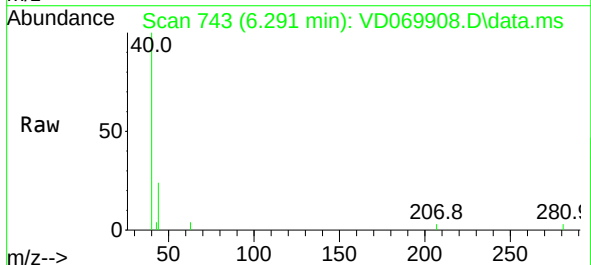


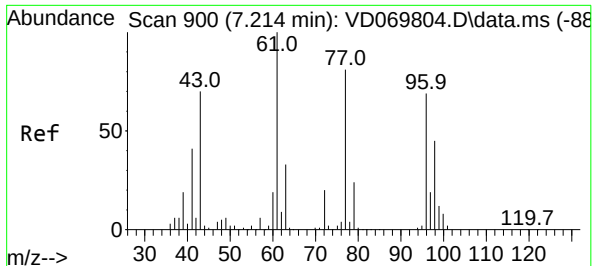
Tgt Ion:	84	Resp:	48535
Ion	Ratio	Lower	Upper
84	100		
49	102.4	92.4	138.6
51	35.2	28.5	42.7
86	53.7	48.2	72.4



#23
Vinyl Acetate
Concen: 20.357 ug/l
RT: 6.291 min Scan# 743
Delta R.T. -0.012 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

Tgt Ion:	43	Resp:	63
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

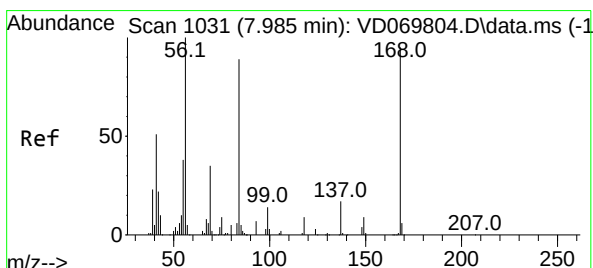
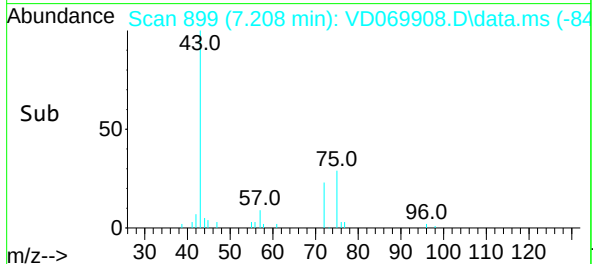
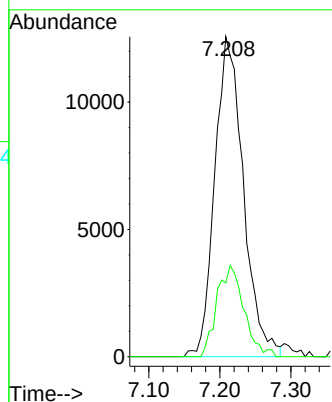
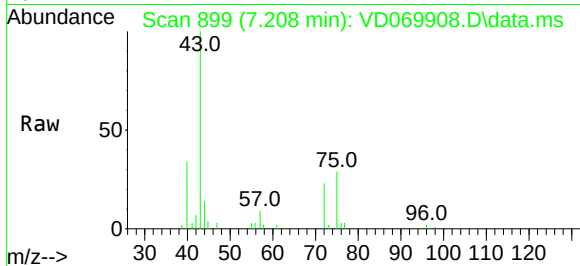




#25
2-Butanone
Concen: 35.565 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

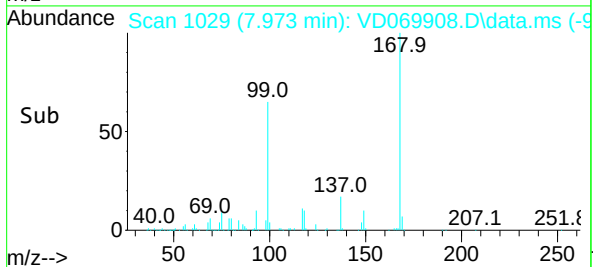
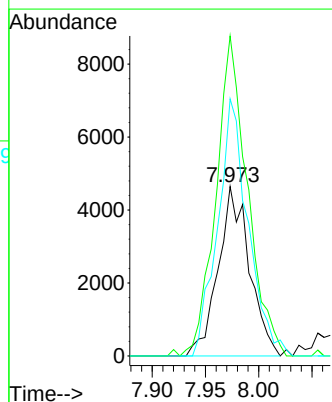
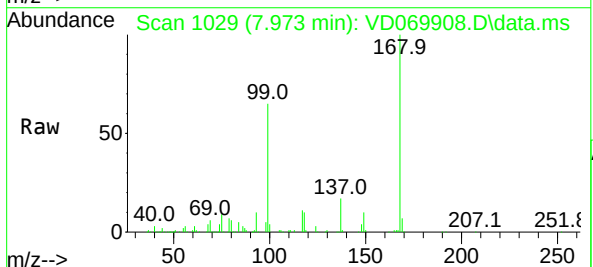
Instrument :
MSVOA_D
ClientSampled :

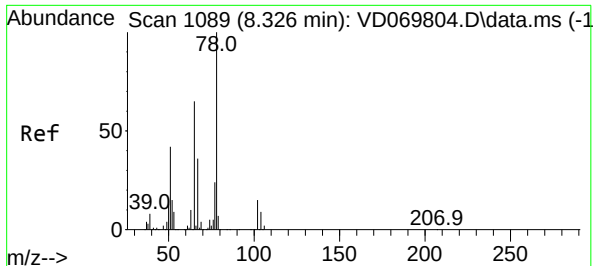
Tgt Ion: 43 Resp: 35099
Ion Ratio Lower Upper
43 100
72 23.0 22.8 34.2



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

Tgt Ion: 56 Resp: 9464
Ion Ratio Lower Upper
56 100
69 188.9 27.9 41.9#
84 151.8 71.4 107.2#

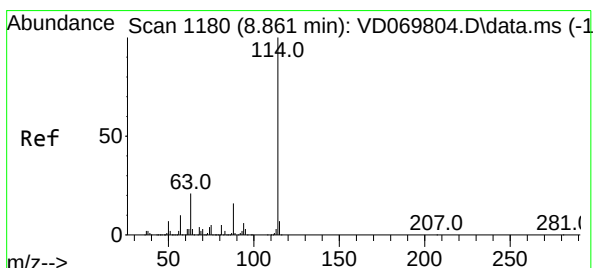
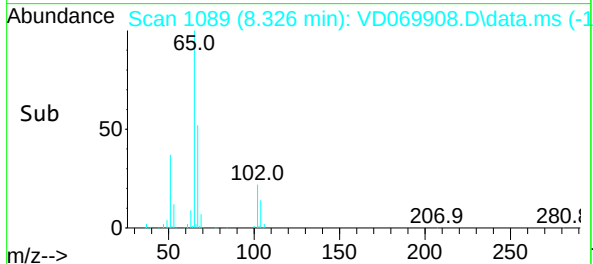
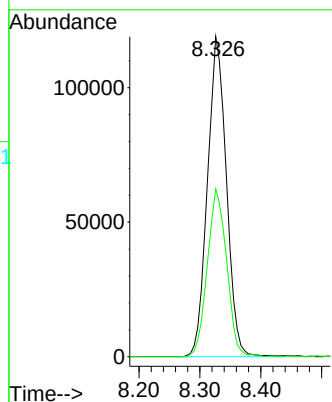
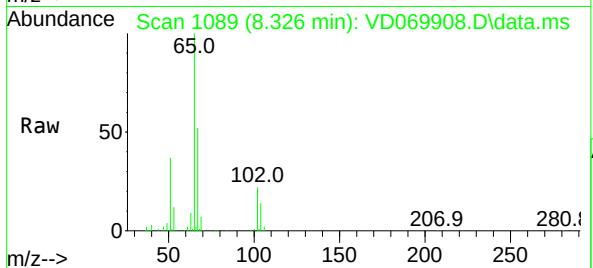




#33
1,2-Dichloroethane-d4
Concen: 63.986 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

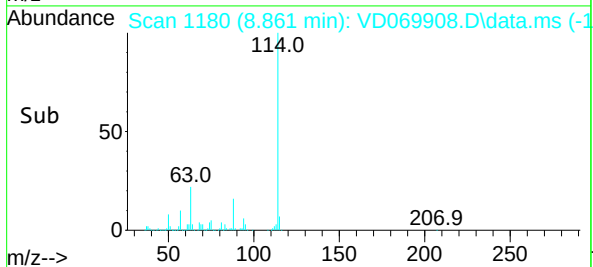
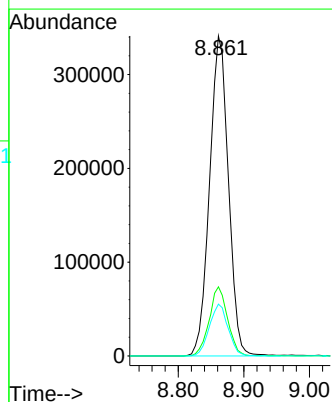
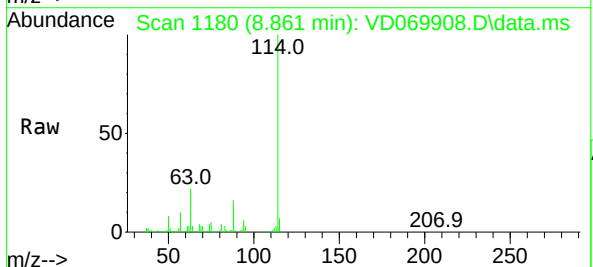
Instrument :
MSVOA_D
ClientSampled :

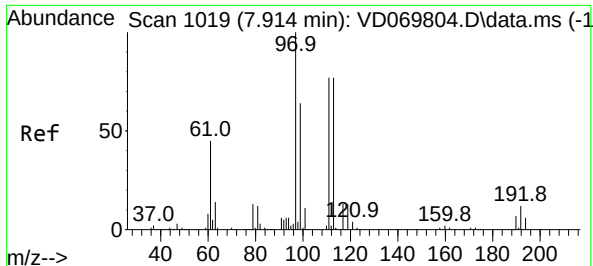
Tgt Ion: 65 Resp: 257767
Ion Ratio Lower Upper
65 100
67 53.3 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

Tgt Ion:114 Resp: 681013
Ion Ratio Lower Upper
114 100
63 21.6 0.0 41.6
88 16.2 0.0 31.4





#35

Dibromofluoromethane

Concen: 55.758 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD069908.D

Acq: 29 Jul 2021 13:37

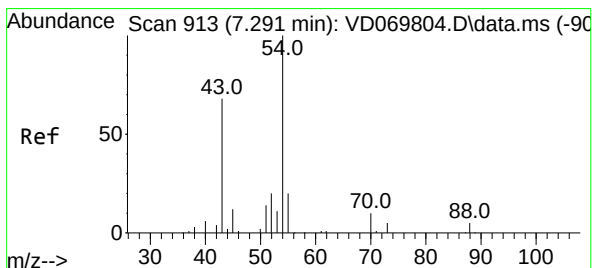
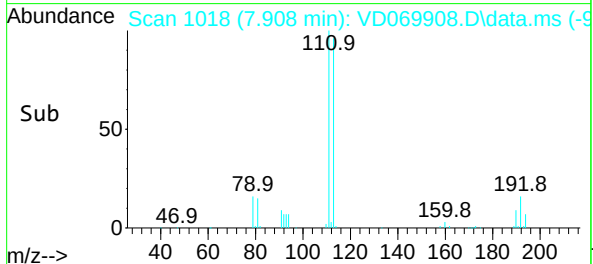
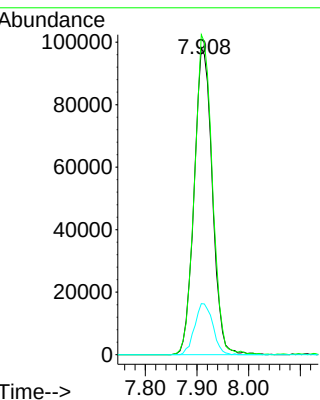
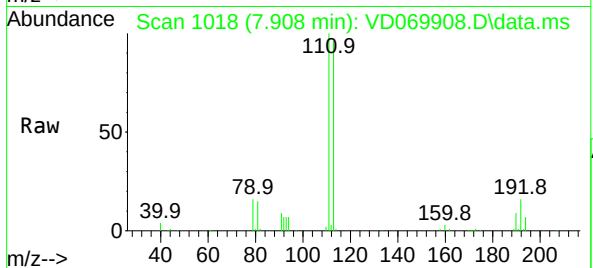
Tgt Ion:113 Resp: 239376

Ion Ratio Lower Upper

113 100

111 103.1 80.5 120.7

192 16.7 12.6 19.0



#37

Ethyl Acetate

Concen: 13.119 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.083 min

Lab File: VD069908.D

Acq: 29 Jul 2021 13:37

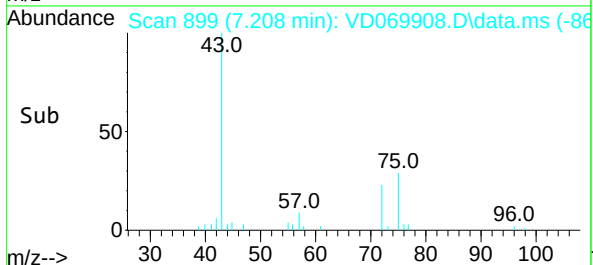
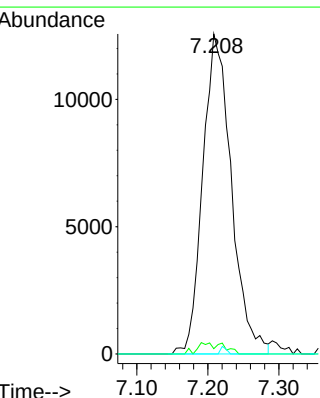
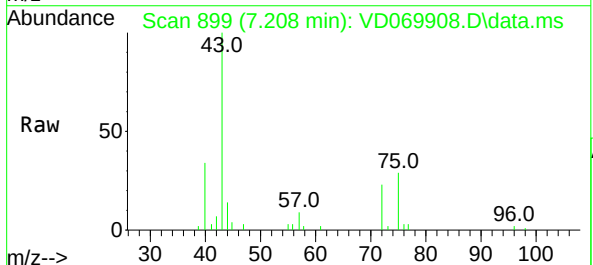
Tgt Ion: 43 Resp: 35099

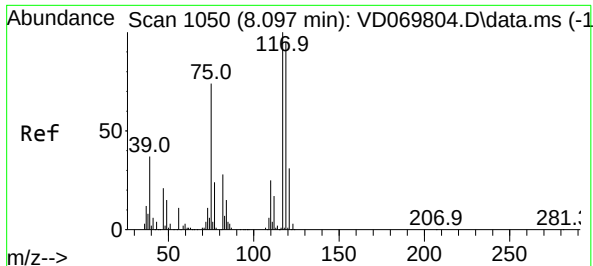
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.8#

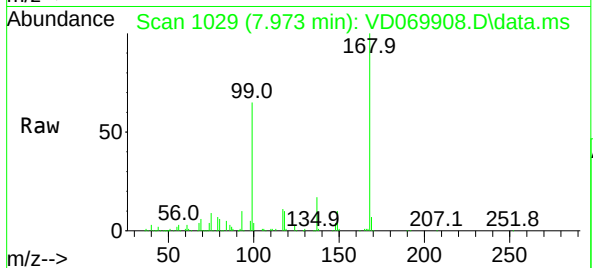
70 0.5 8.9 13.3#



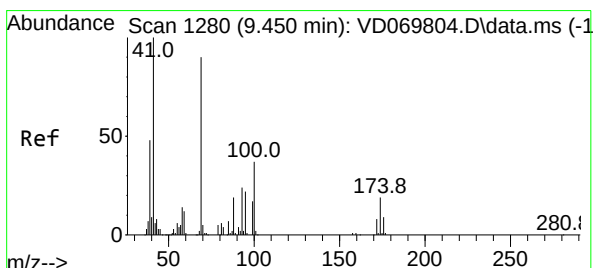
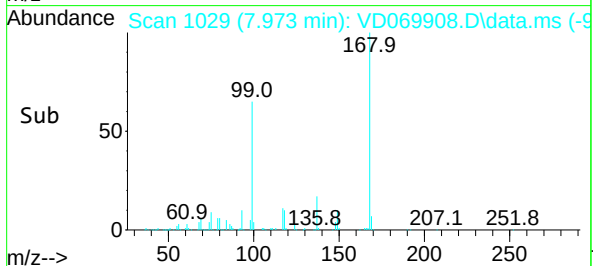
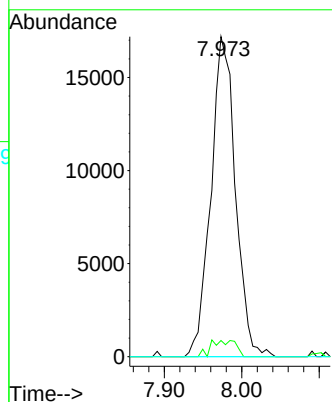


#38
Carbon Tetrachloride
Concen: 5.657 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

Instrument :
MSVOA_D
ClientSampled :

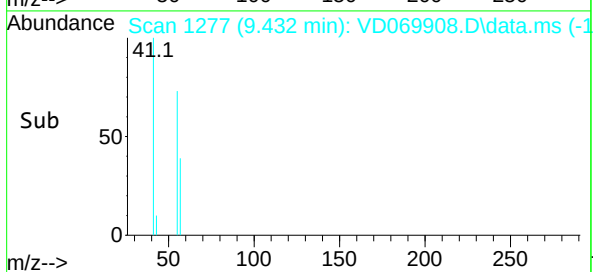
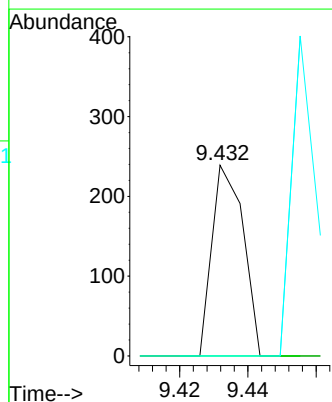
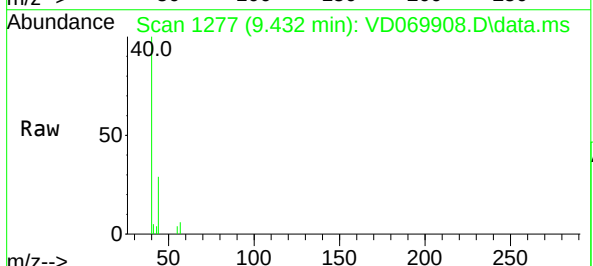


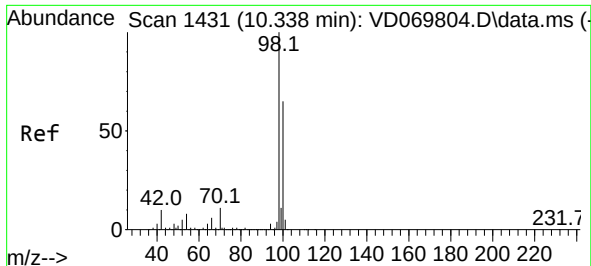
Tgt Ion: 117 Resp: 37974
Ion Ratio Lower Upper
117 100
119 5.0 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.803 ug/l
RT: 9.432 min Scan# 1277
Delta R.T. -0.018 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

Tgt Ion: 41 Resp: 152
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

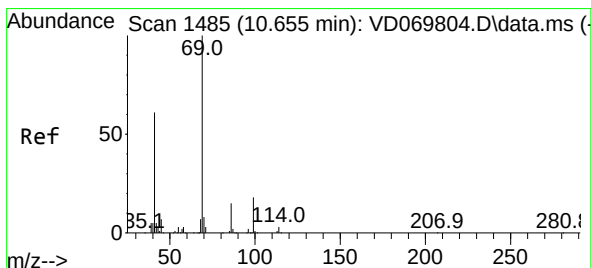
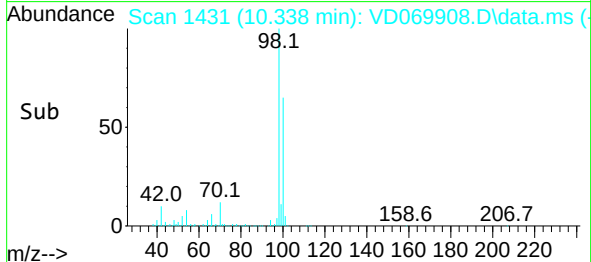
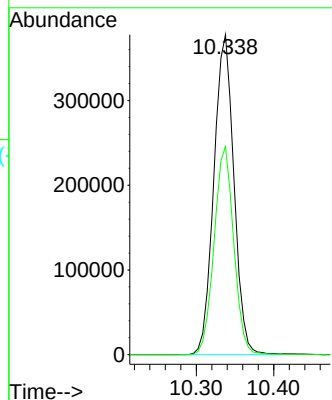
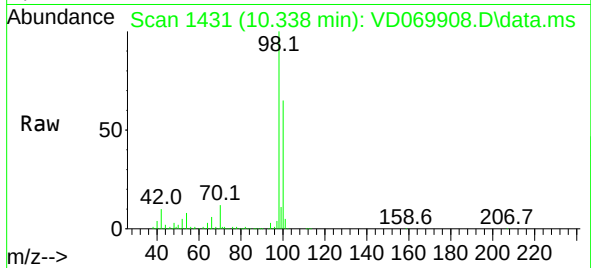




#50
Toluene-d8
Concen: 41.170 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

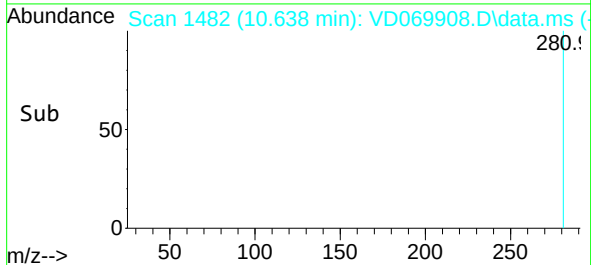
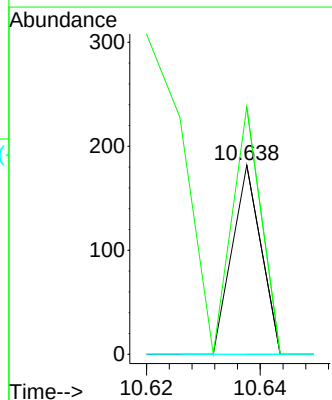
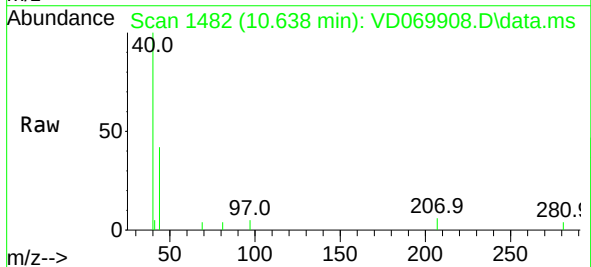
Instrument :
MSVOA_D
ClientSampleId :

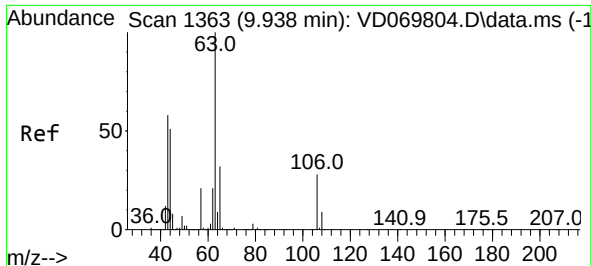
Tgt Ion: 98 Resp: 681527
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



#56
Ethyl methacrylate
Concen: 3.908 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

Tgt Ion: 69 Resp: 64
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 22.0 33.0#

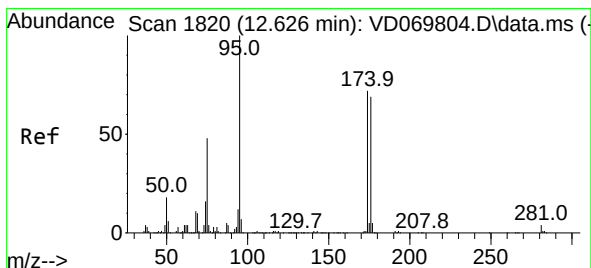
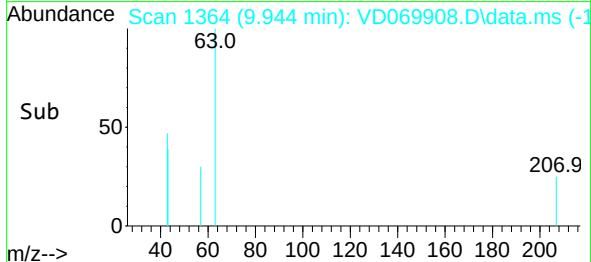
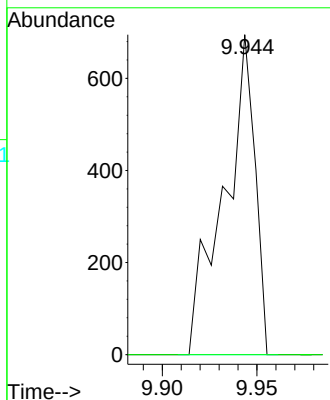
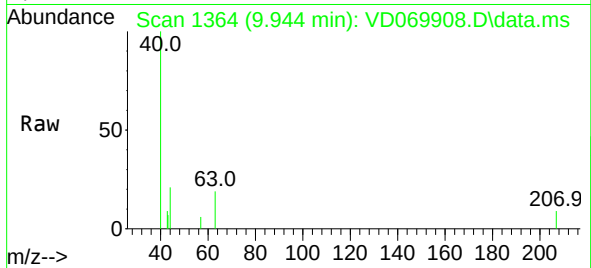




#58
2-Chloroethyl Vinyl ether
Concen: 21.214 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

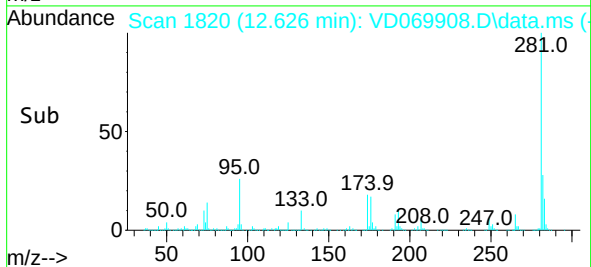
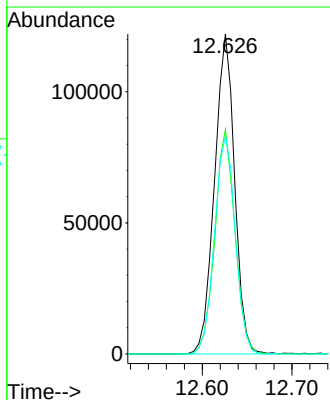
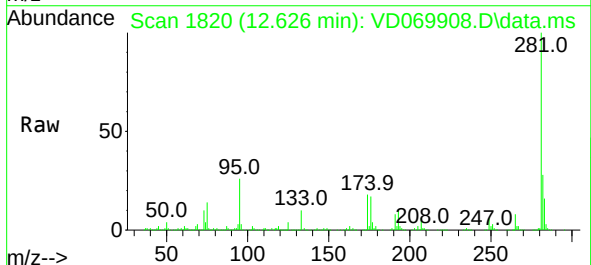
Instrument :
MSVOA_D
ClientSampled :

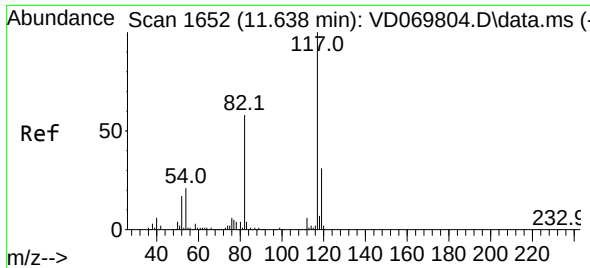
Tgt Ion: 63 Resp: 792
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 34.318 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

Tgt Ion: 95 Resp: 189860
Ion Ratio Lower Upper
95 100
174 70.1 0.0 142.6
176 70.3 0.0 134.2

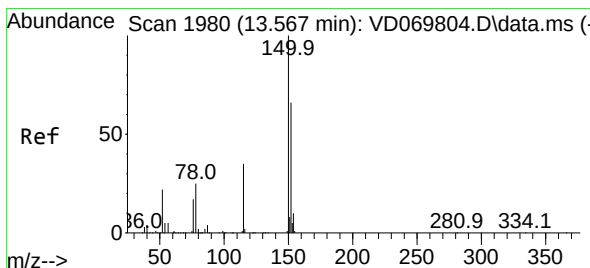
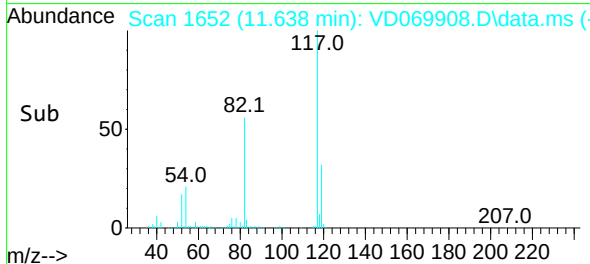
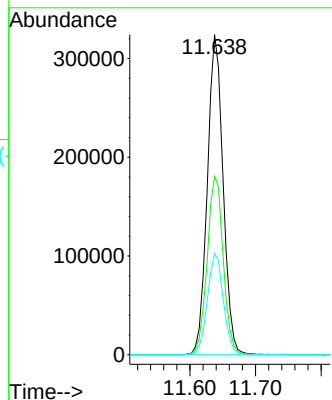
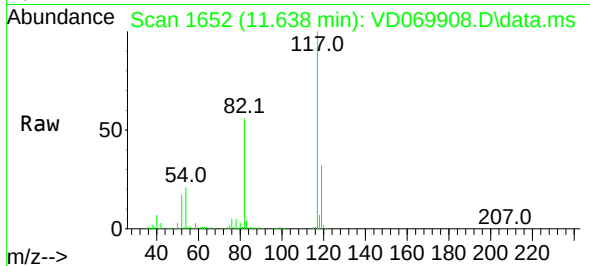




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

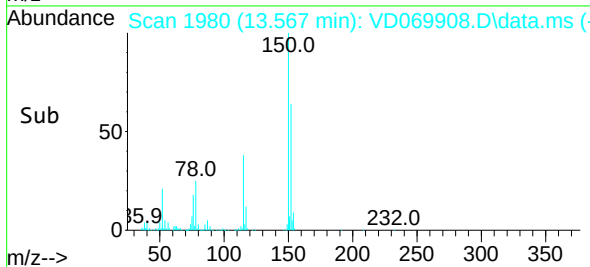
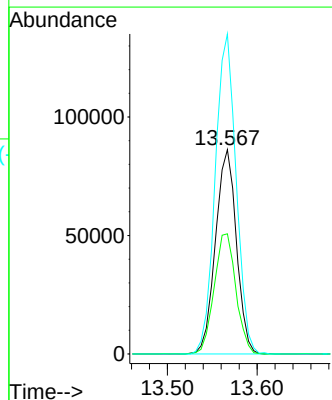
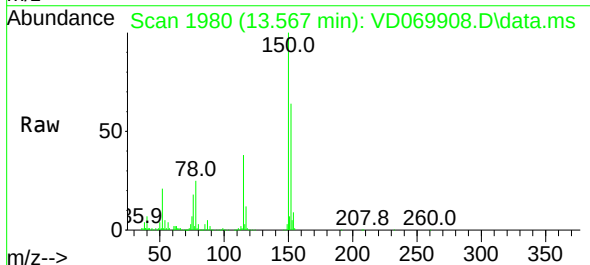
Instrument :
MSVOA_D
ClientSampleId :

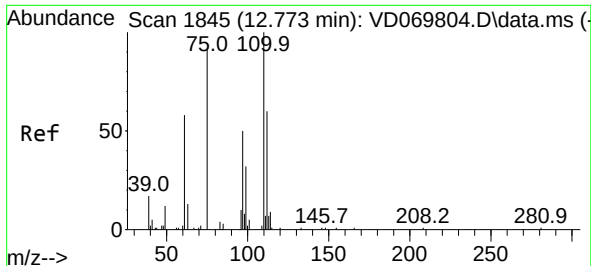
Tgt Ion:117 Resp: 541328
Ion Ratio Lower Upper
117 100
82 55.8 46.3 69.5
119 31.6 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

Tgt Ion:152 Resp: 139665
Ion Ratio Lower Upper
152 100
115 61.2 31.1 93.3
150 156.5 0.0 343.0

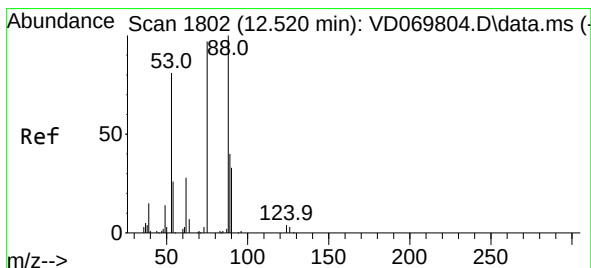
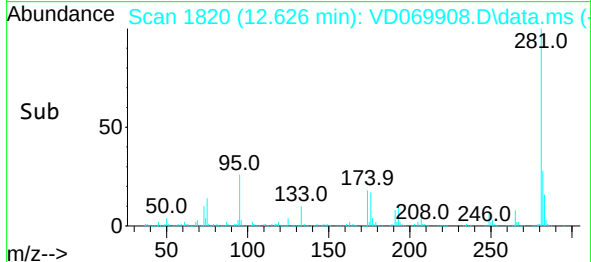
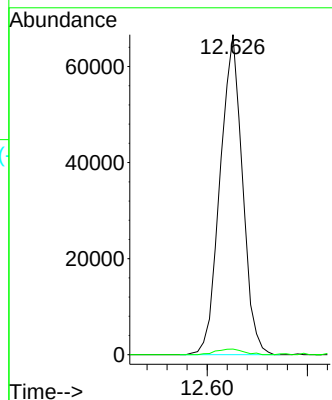
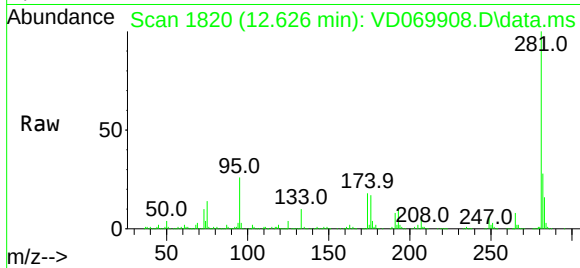




#76
1,2,3-Trichloropropane
Concen: 69.405 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

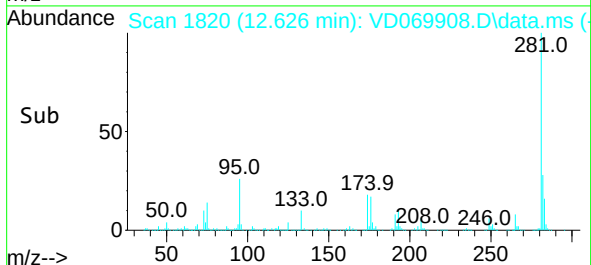
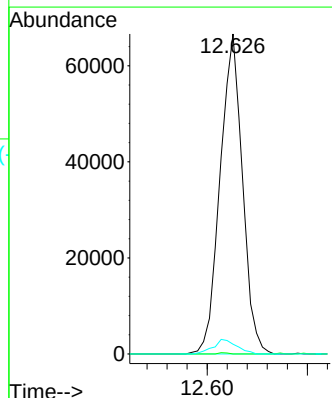
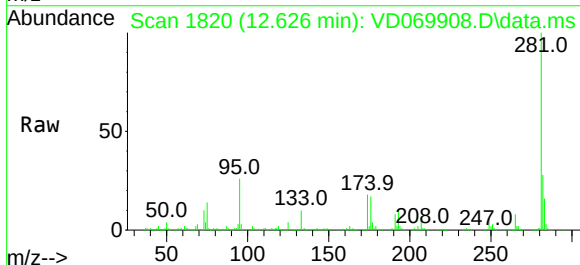
Instrument :
MSVOA_D
ClientSampleId :

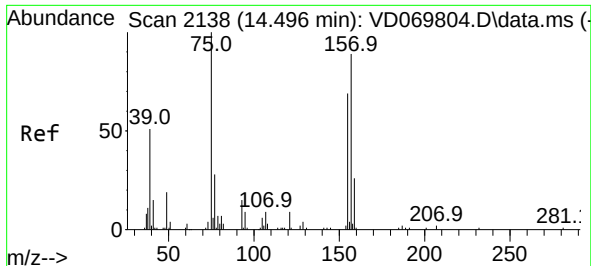
Tgt Ion: 75 Resp: 103034
Ion Ratio Lower Upper
75 100
77 2.2 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 210.556 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

Tgt Ion: 75 Resp: 103034
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 4.8 35.8 53.6#

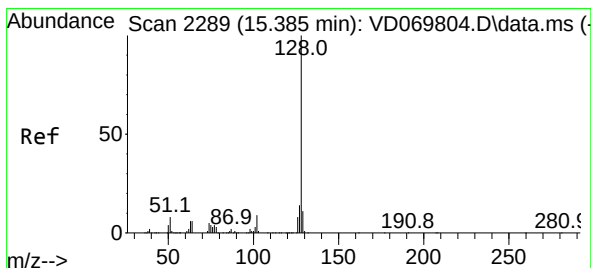
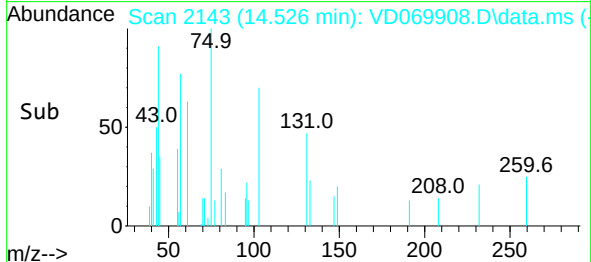
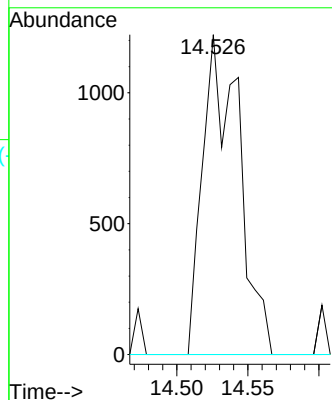
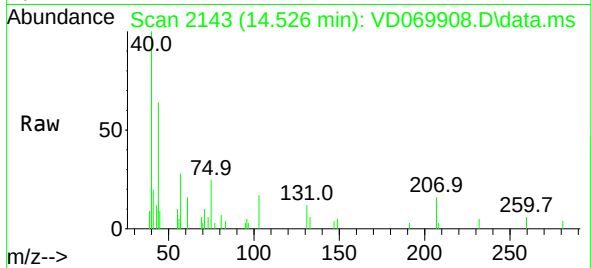




#92
1,2-Dibromo-3-Chloropropane
Concen: 7.537 ug/l
RT: 14.526 min Scan# 2143
Delta R.T. 0.029 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 2175
Ion Ratio Lower Upper
75 100
155 0.0 36.3 108.9#
157 0.0 47.0 141.0#



#95
Naphthalene
Concen: 5.508 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD069908.D
Acq: 29 Jul 2021 13:37

Tgt Ion: 128 Resp: 2585
Ion Ratio Lower Upper
128 100
127 5.8 10.6 16.0#
129 2.4 8.6 12.8#

