

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080921\
 Data File : VD070008.D
 Acq On : 09 Aug 2021 20:47
 Operator : VA/SY
 Sample : M3299-04
 Misc : 6.55G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 07:07:08 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	515524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1092309	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1109878	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	471902	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	390579	65.876	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.760%	
35) Dibromofluoromethane	7.914	113	356540	51.778	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.560%	
50) Toluene-d8	10.338	98	1410851	53.136	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.280%	
62) 4-Bromofluorobenzene	12.626	95	496654	55.970	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 111.940%	

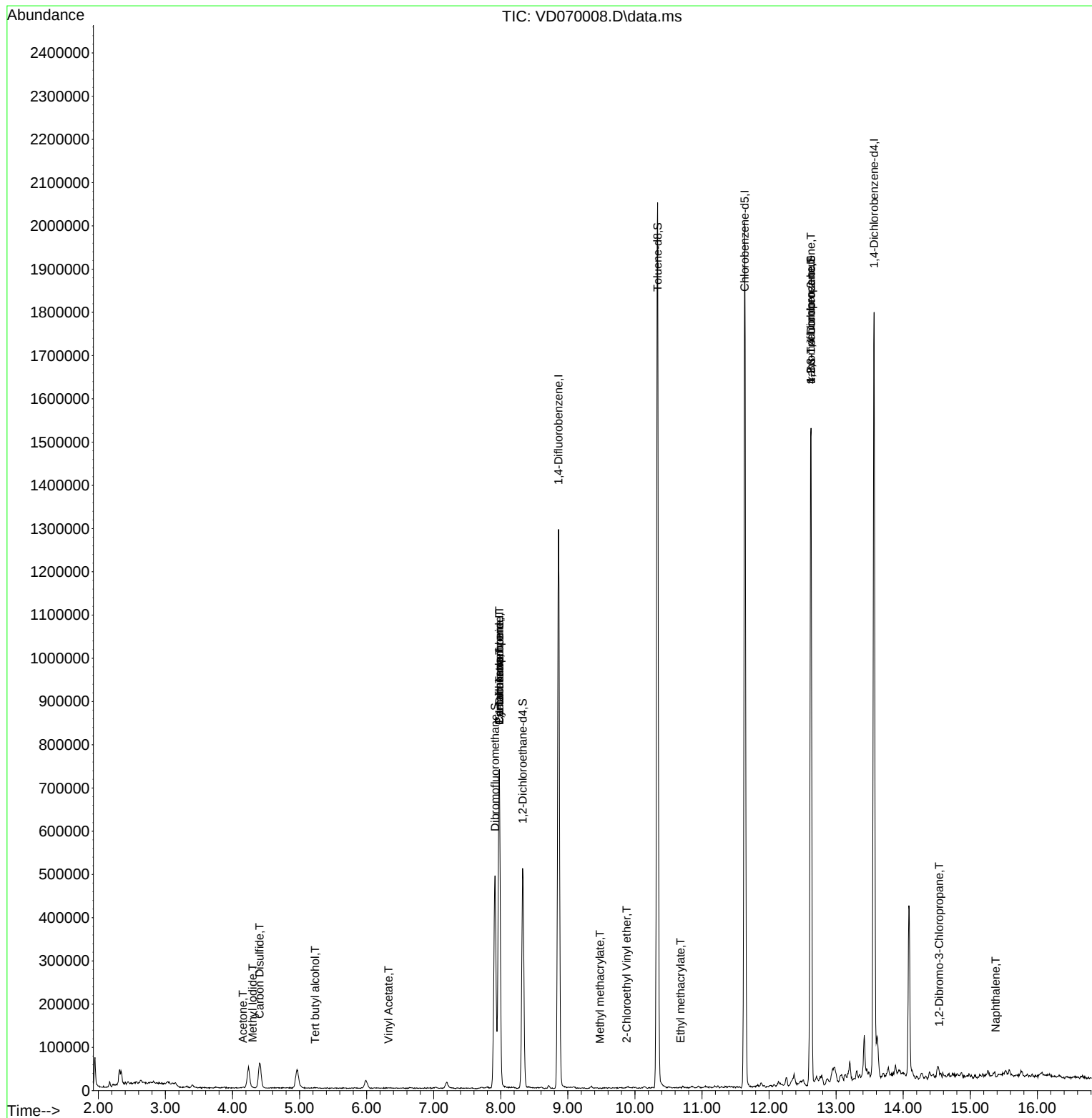
Target Compounds				Qvalue		
5) Bromomethane	2.773	94	2162	Below Cal	#	52
10) Methyl Iodide	4.303	142	618	3.552	ug/l #	69
11) Tert butyl alcohol	5.232	59	971	3.165	ug/l #	73
16) Acetone	4.156	43	4310	4.024	ug/l	96
17) Carbon Disulfide	4.403	76	130428	6.184	ug/l	99
20) Methylene Chloride	4.956	84	33122	Below Cal		90
23) Vinyl Acetate	6.326	43	56	20.354	ug/l #	71
31) Cyclohexane	7.979	56	13669	1.180	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	47619	4.040	ug/l #	50
38) Carbon Tetrachloride	7.979	117	57982	5.385	ug/l #	16
48) Methyl methacrylate	9.479	41	118	2.774	ug/l #	23
56) Ethyl methacrylate	10.679	69	209	3.921	ug/l #	11
58) 2-Chloroethyl Vinyl ether	9.879	63	64	20.887	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	243812	48.607	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	243812	147.461	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.538	75	983	1.008	ug/l #	7
95) Naphthalene	15.379	128	918	5.052	ug/l #	38

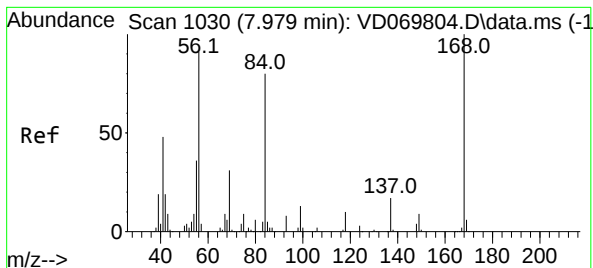
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 10 07:07:08 2021
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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: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070008.D

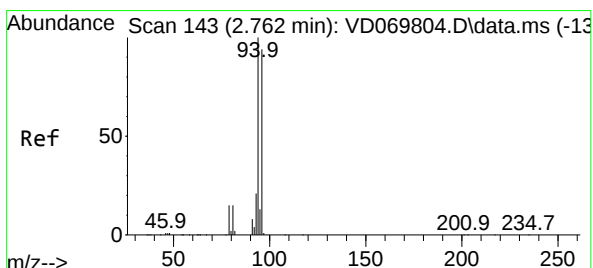
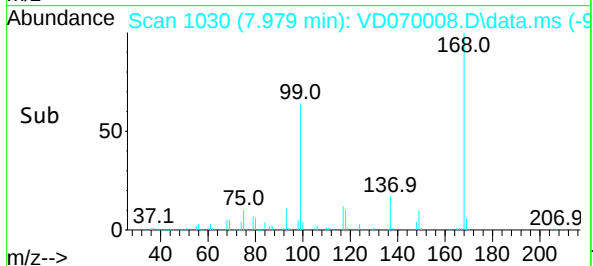
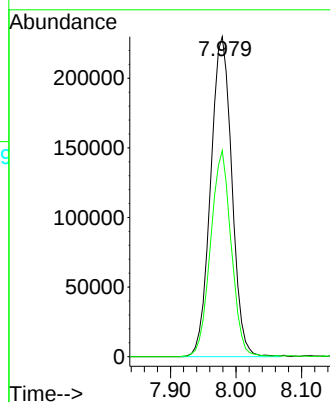
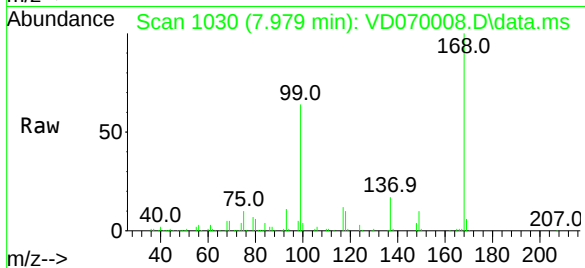
Acq: 09 Aug 2021 20:47

Tgt Ion:168 Resp: 515524

Ion Ratio Lower Upper

168 100

99 64.4 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.011 min

Lab File: VD070008.D

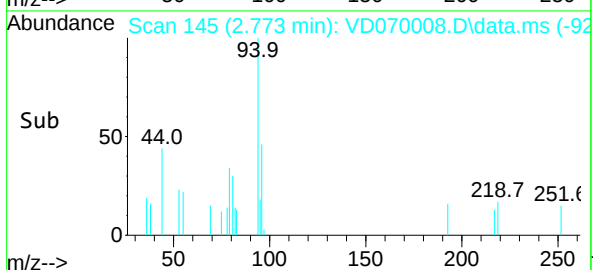
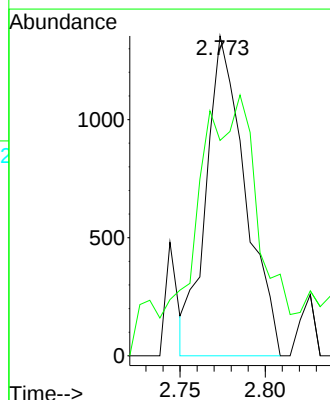
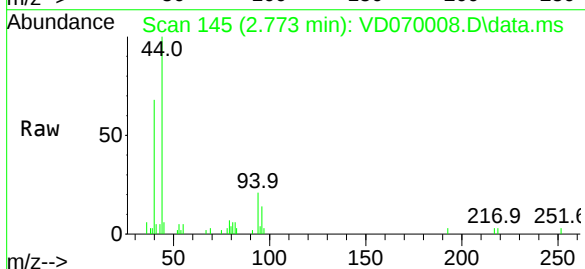
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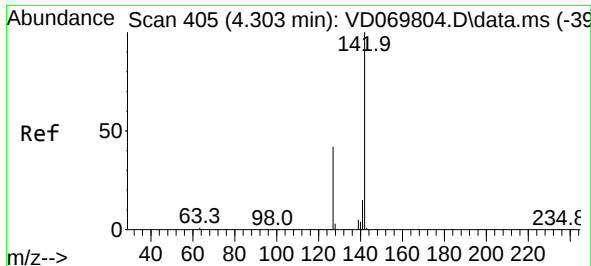
Tgt Ion: 94 Resp: 2162

Ion Ratio Lower Upper

94 100

96 46.8 74.8 112.2#

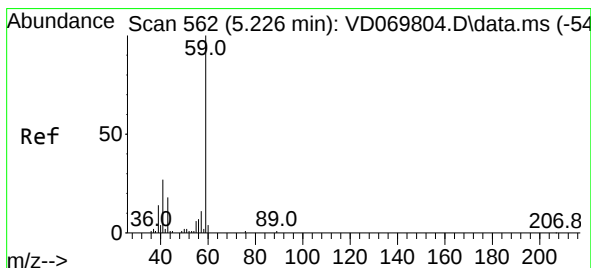
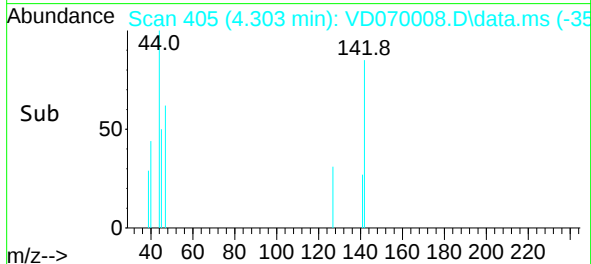
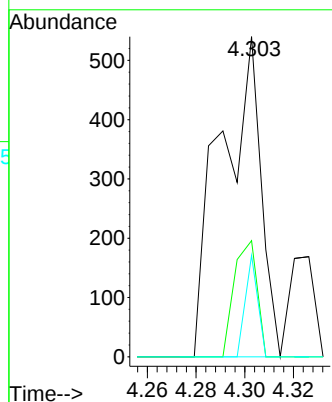
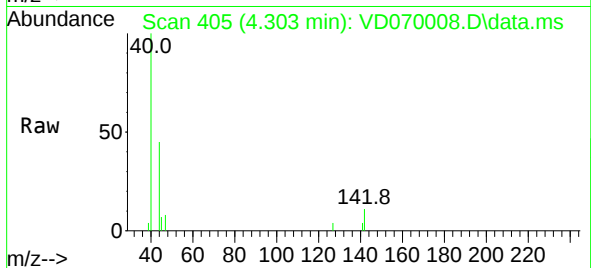




#10
Methyl Iodide
Concen: 3.552 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

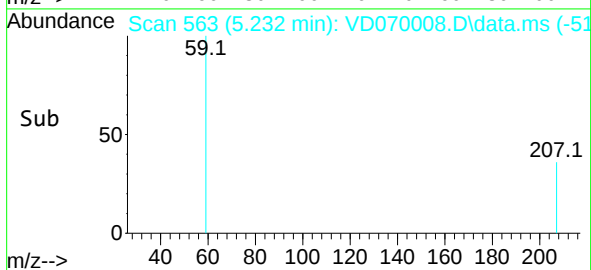
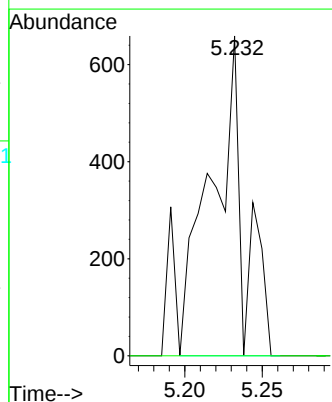
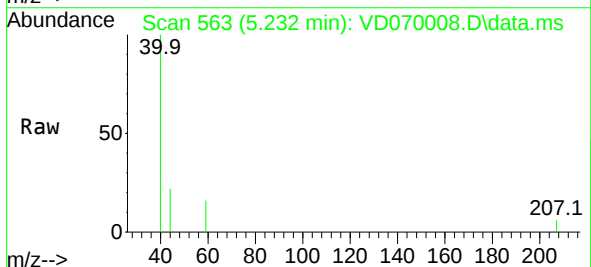
Instrument :
MSVOA_D
ClientSampled :

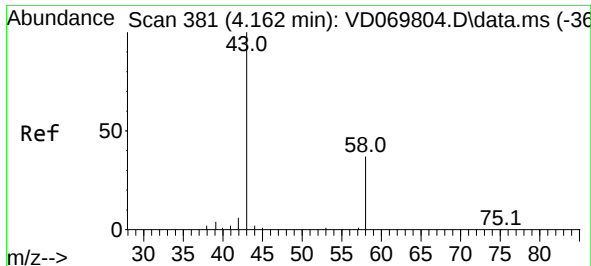
Tgt Ion:142 Resp: 618
Ion Ratio Lower Upper
142 100
127 20.6 35.7 53.5#
141 9.7 12.0 18.0#



#11
Tert butyl alcohol
Concen: 3.165 ug/l
RT: 5.232 min Scan# 563
Delta R.T. 0.006 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

Tgt Ion: 59 Resp: 971
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

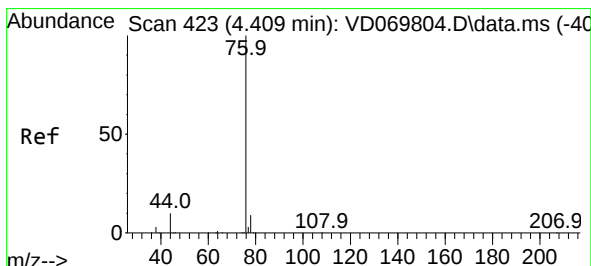
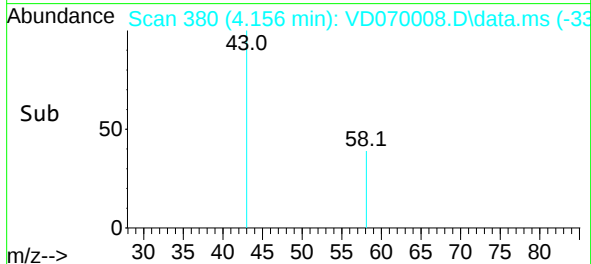
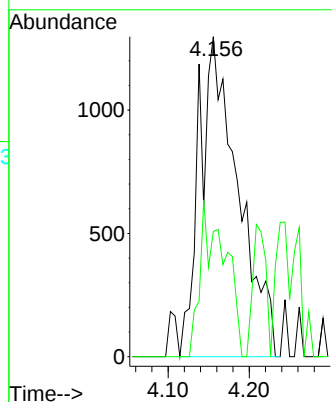
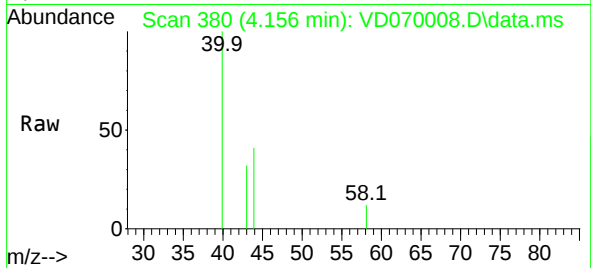




#16
Acetone
Concen: 4.024 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

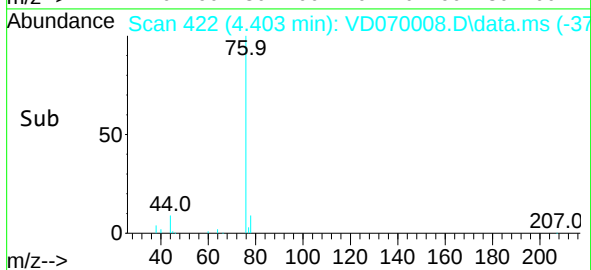
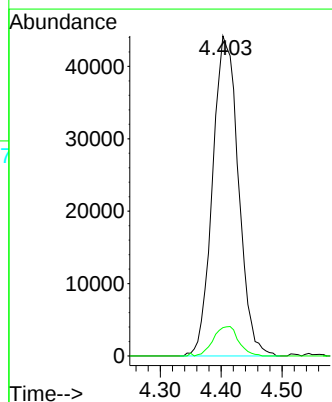
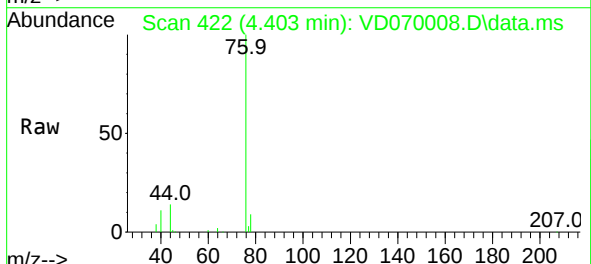
Instrument :
MSVOA_D
ClientSampled :

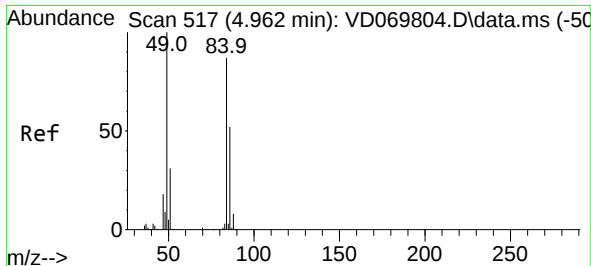
Tgt Ion: 43 Resp: 4310
Ion Ratio Lower Upper
43 100
58 39.1 29.4 44.0



#17
Carbon Disulfide
Concen: 6.184 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

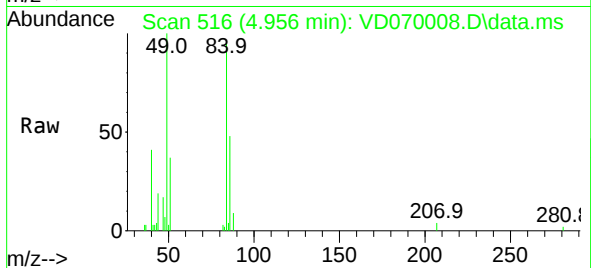
Tgt Ion: 76 Resp: 130428
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



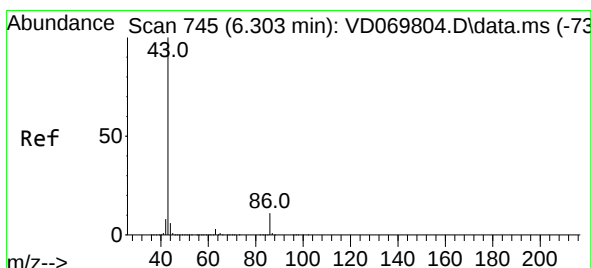
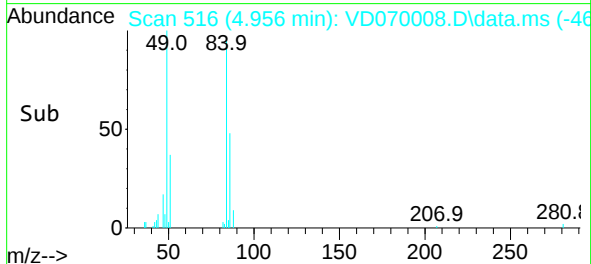
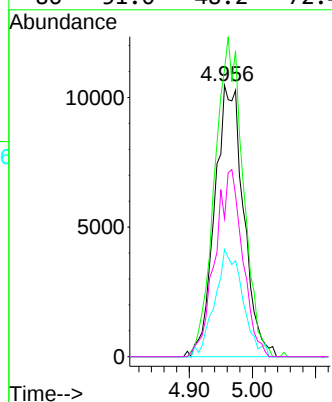


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

Instrument :
MSVOA_D
ClientSampled :

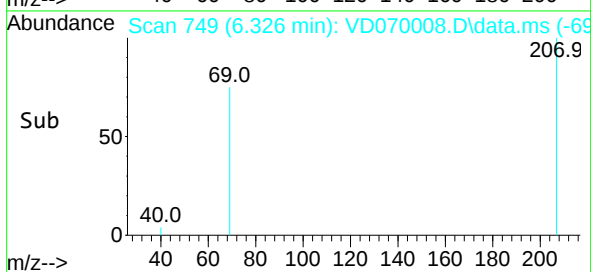
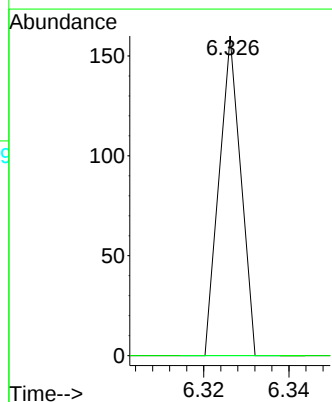
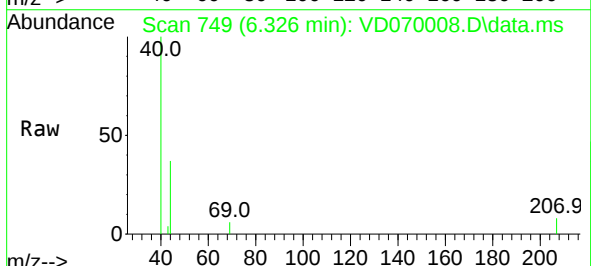


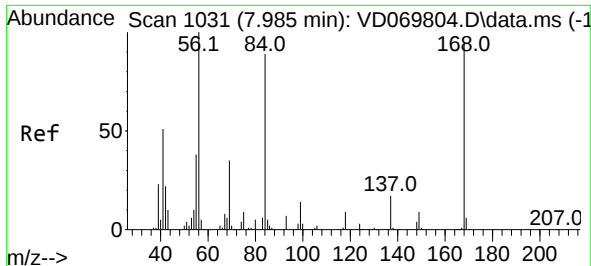
Tgt Ion:	84	Resp:	33122
Ion	Ratio	Lower	Upper
84	100		
49	105.8	92.4	138.6
51	39.6	28.5	42.7
86	51.0	48.2	72.4



#23
Vinyl Acetate
Concen: 20.354 ug/l
RT: 6.326 min Scan# 749
Delta R.T. 0.023 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

Tgt Ion:	43	Resp:	56
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	13.0#

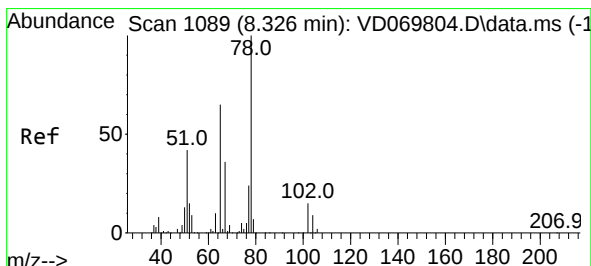
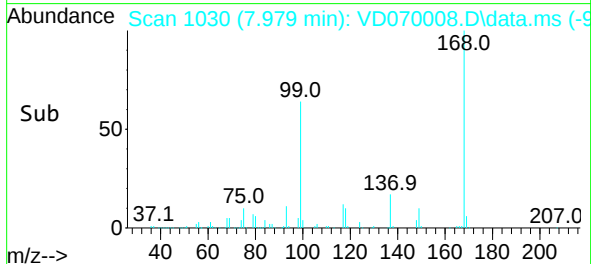
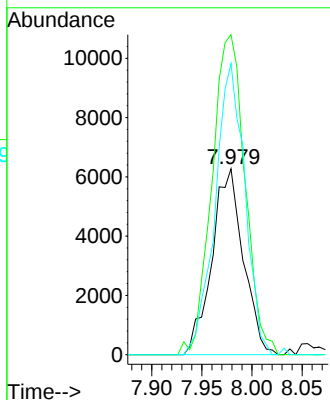
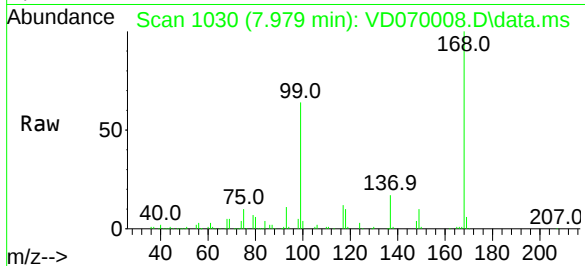




#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

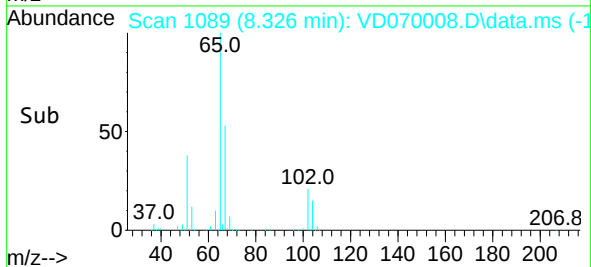
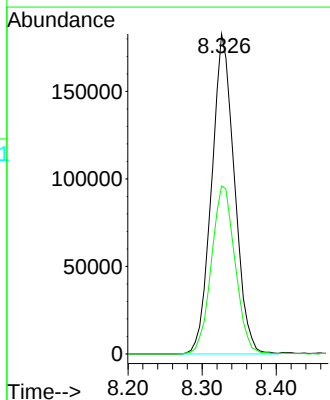
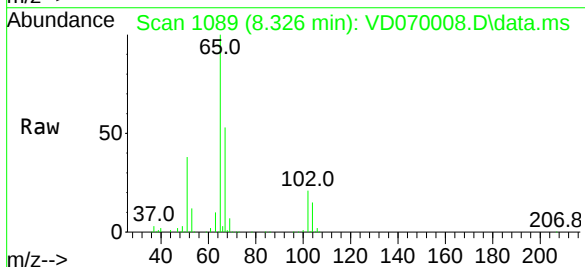
Instrument :
MSVOA_D
ClientSampled :

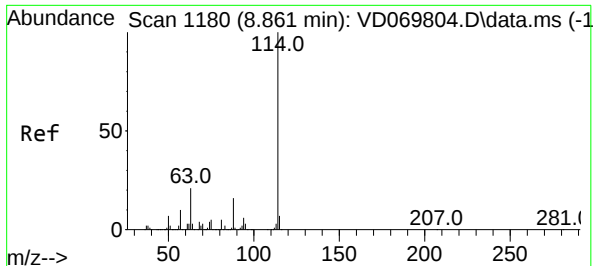
Tgt Ion: 56 Resp: 13669
Ion Ratio Lower Upper
56 100
69 172.1 27.9 41.9#
84 156.6 71.4 107.2#



#33
1,2-Dichloroethane-d4
Concen: 65.876 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

Tgt Ion: 65 Resp: 390579
Ion Ratio Lower Upper
65 100
67 54.6 0.0 111.2



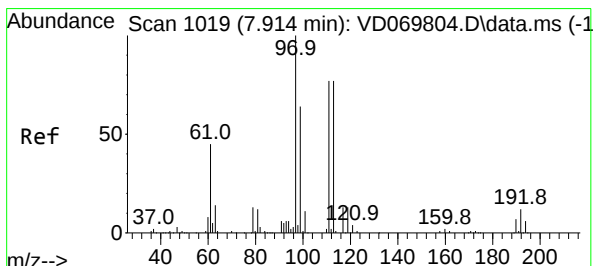
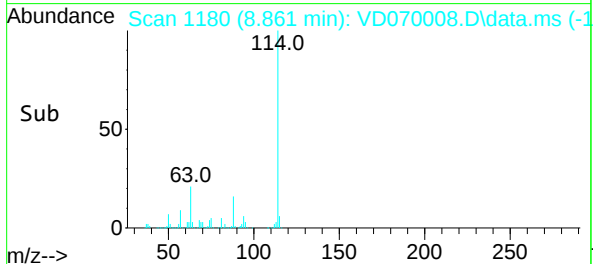
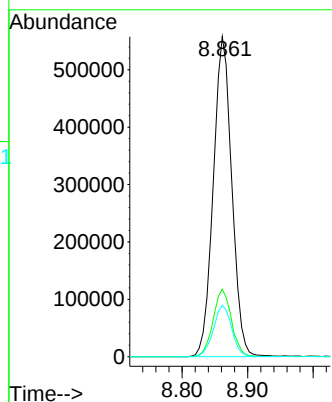
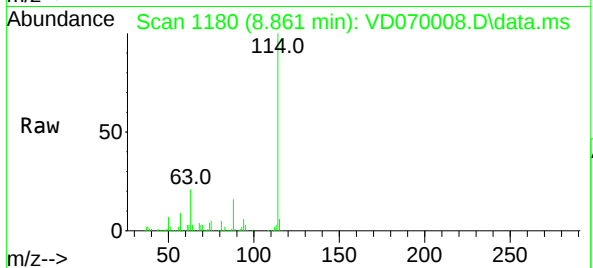


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

Instrument :
MSVOA_D
ClientSampled :

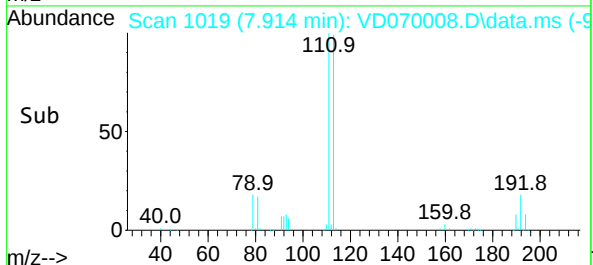
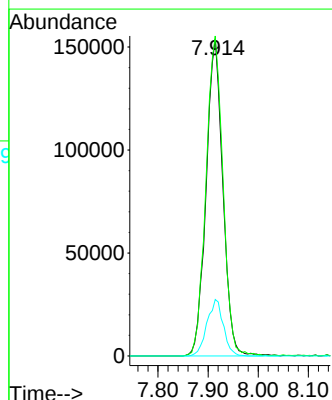
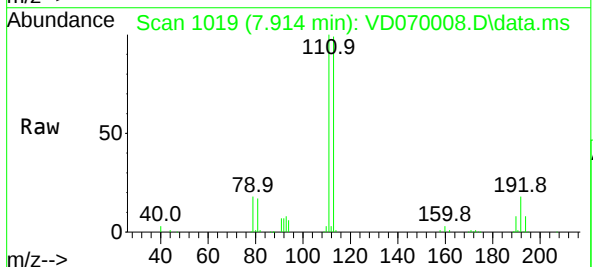
Tgt Ion:114 Resp: 1092309
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.6
88 16.0 0.0 31.4

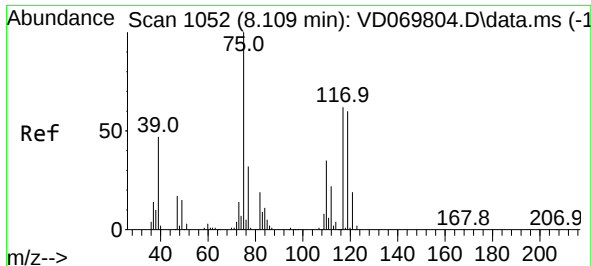


#35

Dibromofluoromethane
Concen: 51.778 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

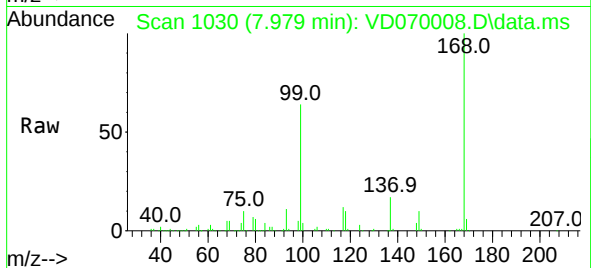
Tgt Ion:113 Resp: 356540
Ion Ratio Lower Upper
113 100
111 102.9 80.5 120.7
192 17.4 12.6 19.0



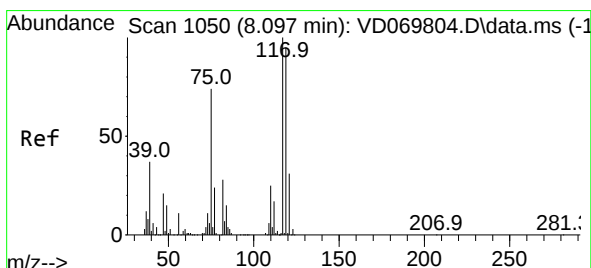
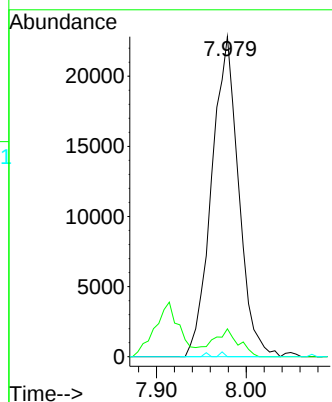
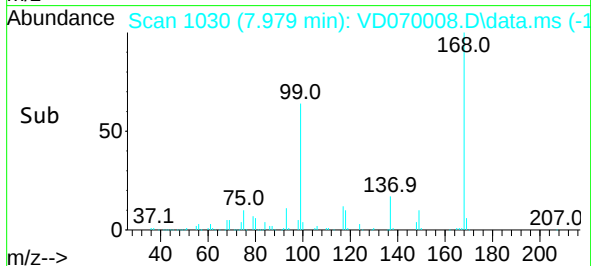


#36
1,1-Dichloropropene
Concen: 4.040 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

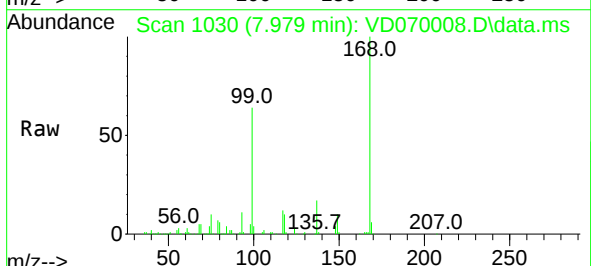
Instrument :
MSVOA_D
ClientSampled :



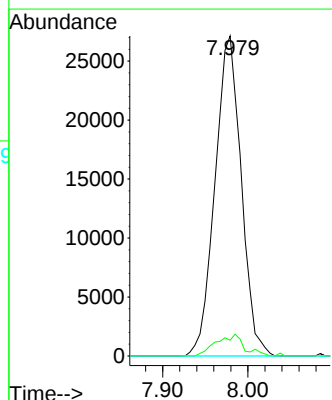
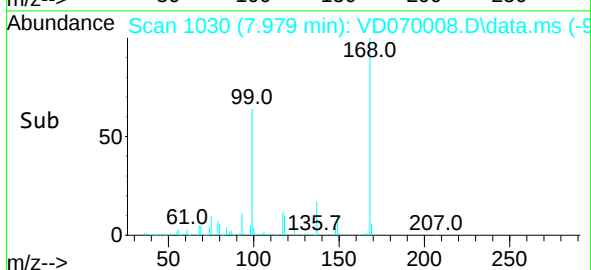
Tgt Ion: 75 Resp: 47619
Ion Ratio Lower Upper
75 100
110 8.4 16.9 50.7#
77 0.3 24.9 37.3#

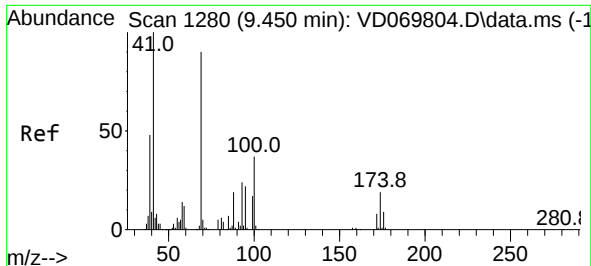


#38
Carbon Tetrachloride
Concen: 5.385 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47



Tgt Ion: 117 Resp: 57982
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.5 36.7#

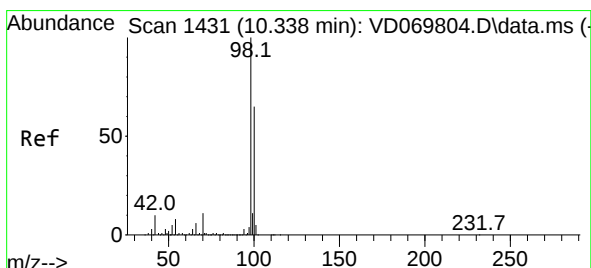
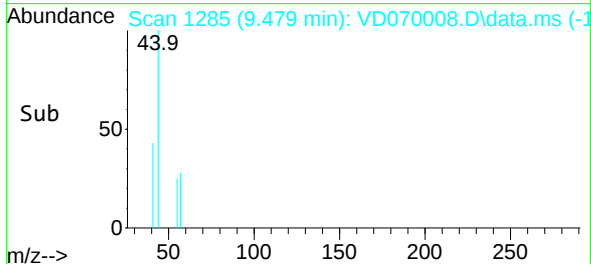
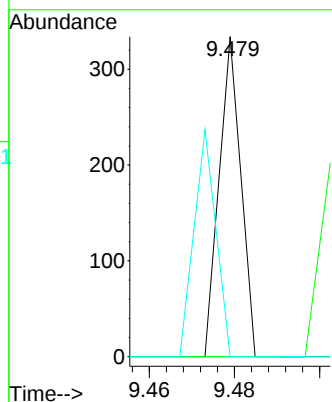
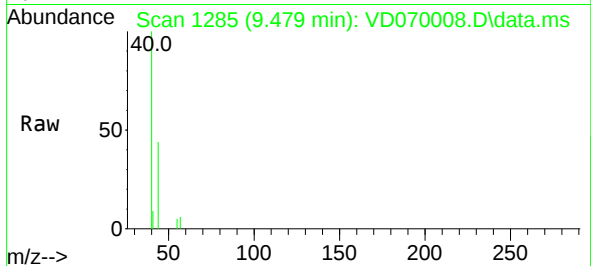




#48
Methyl methacrylate
Concen: 2.774 ug/l
RT: 9.479 min Scan# 1285
Delta R.T. 0.029 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

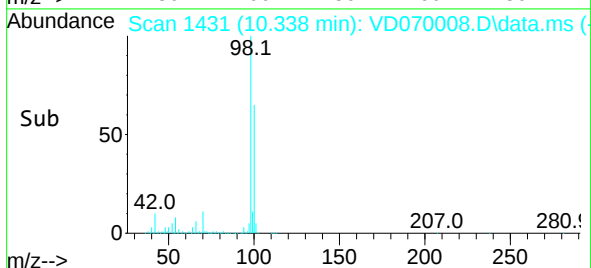
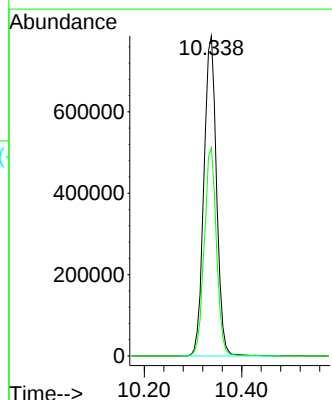
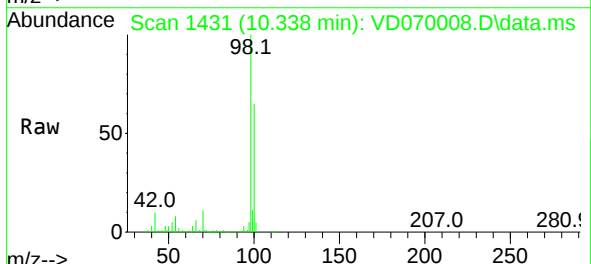
Instrument :
MSVOA_D
ClientSampled :

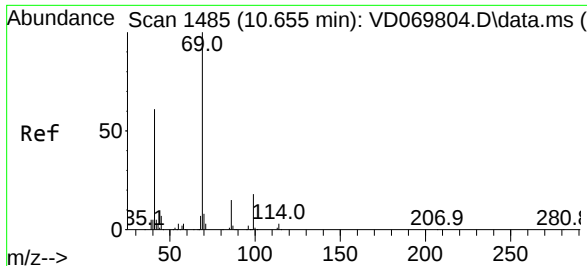
Tgt Ion: 41 Resp: 118
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 71.2 36.6 55.0#



#50
Toluene-d8
Concen: 53.136 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

Tgt Ion: 98 Resp: 1410851
Ion Ratio Lower Upper
98 100
100 63.1 51.9 77.9

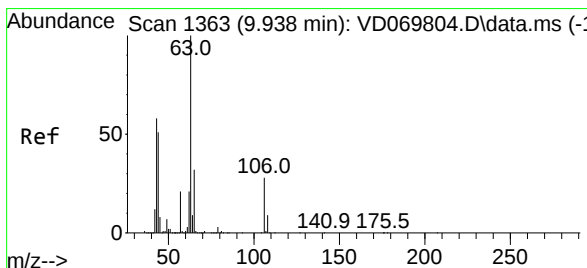
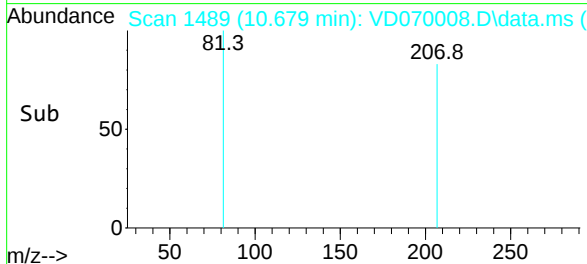
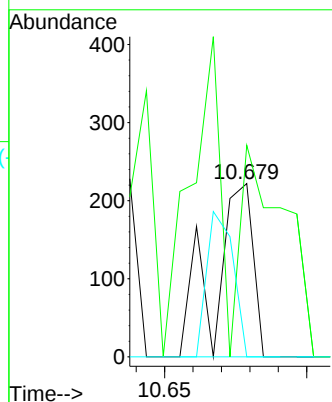
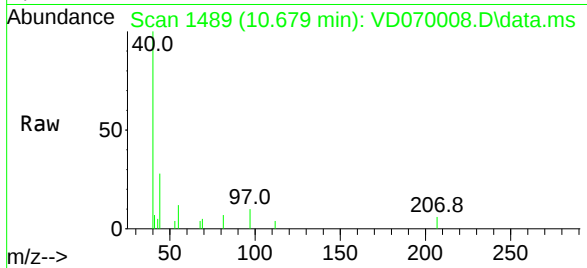




#56
Ethyl methacrylate
Concen: 3.921 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.024 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

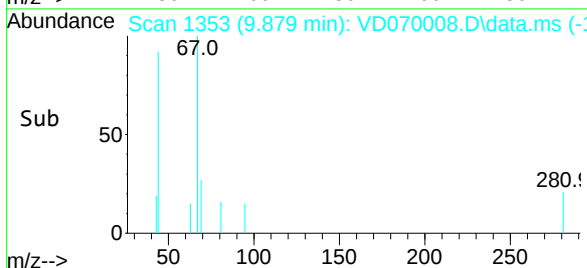
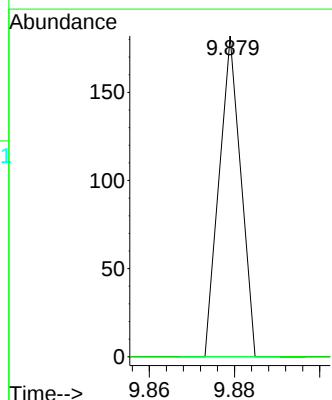
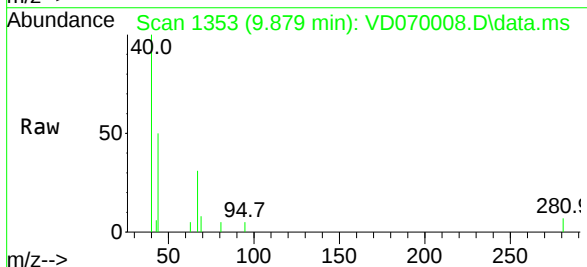
Instrument :
MSVOA_D
ClientSampled :

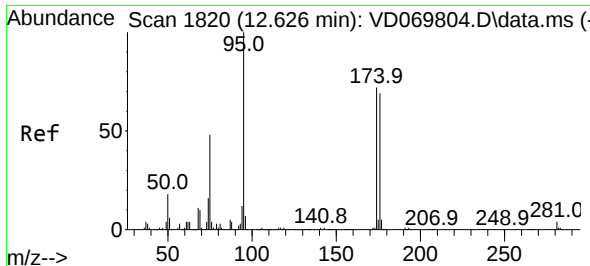
Tgt Ion: 69 Resp: 209
Ion Ratio Lower Upper
69 100
41 142.6 50.2 75.2#
39 57.4 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.887 ug/l
RT: 9.879 min Scan# 1353
Delta R.T. -0.059 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

Tgt Ion: 63 Resp: 64
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

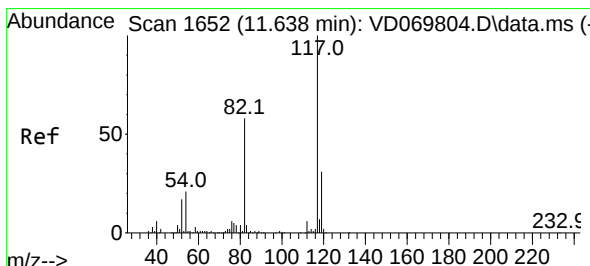
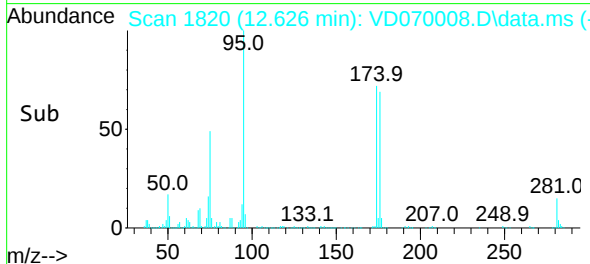
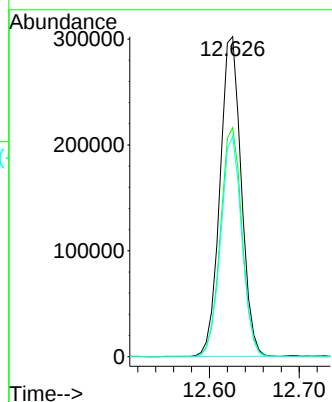
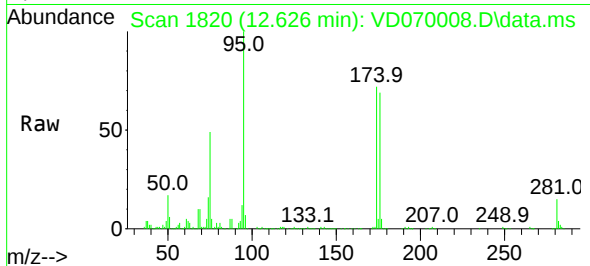




#62
4-Bromofluorobenzene
Concen: 55.970 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

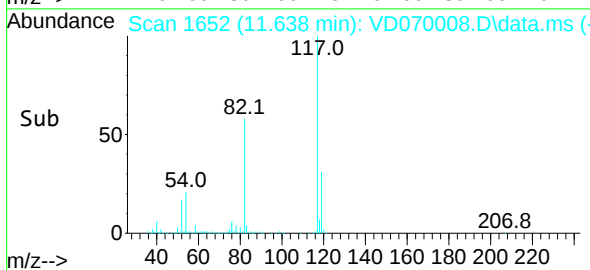
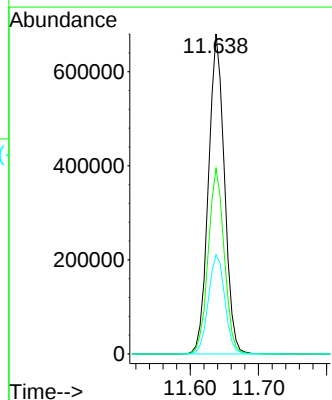
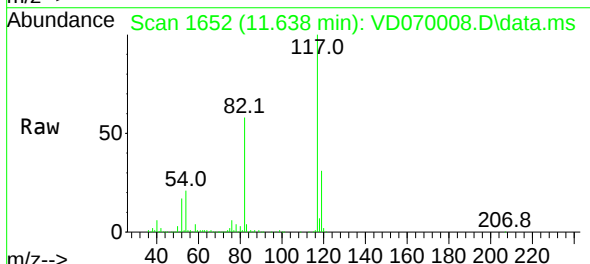
Instrument :
MSVOA_D
ClientSampleId :

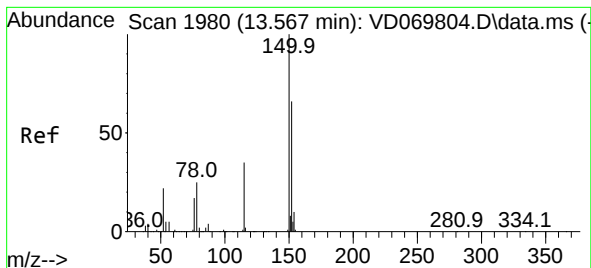
Tgt Ion: 95 Resp: 496654
Ion Ratio Lower Upper
95 100
174 72.4 0.0 142.6
176 68.7 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

Tgt Ion: 117 Resp: 1109878
Ion Ratio Lower Upper
117 100
82 57.9 46.3 69.5
119 31.0 24.7 37.1

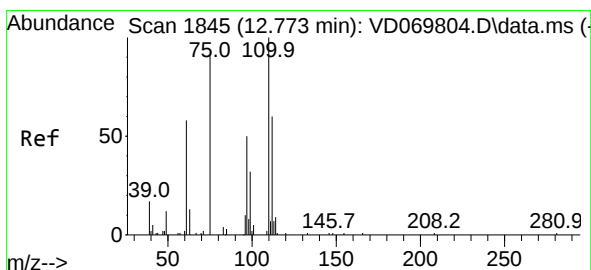
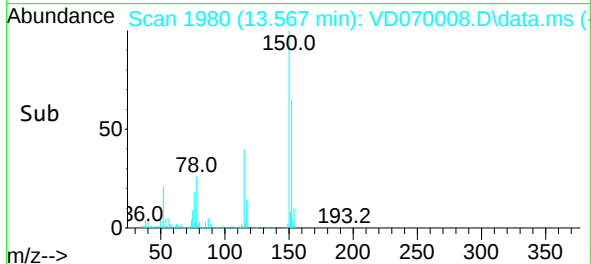
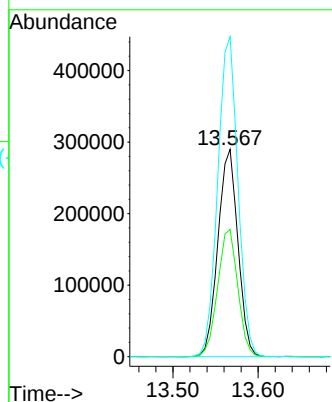
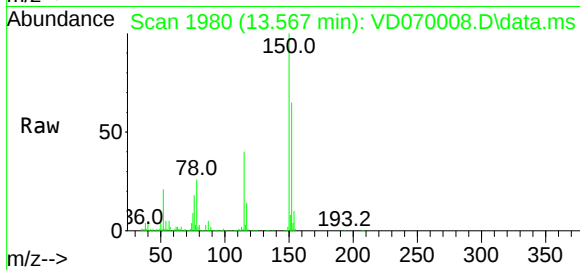




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD070008.D
 Acq: 09 Aug 2021 20:47

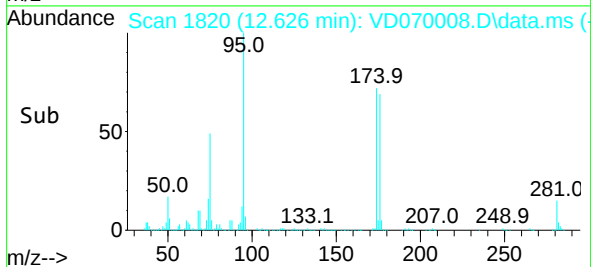
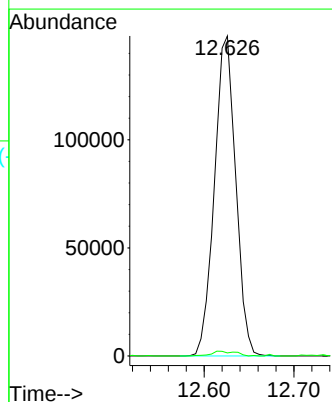
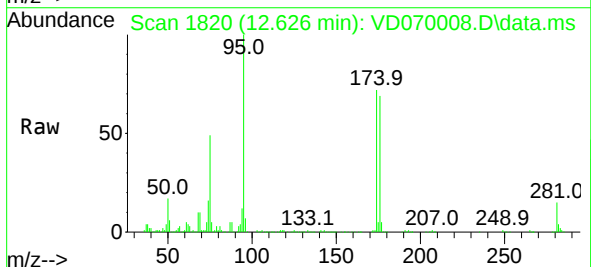
Instrument :
 MSVOA_D
 ClientSampled :

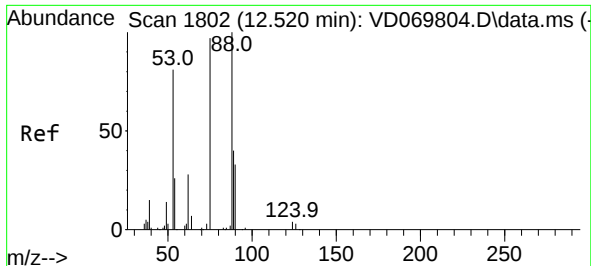
Tgt Ion:152 Resp: 471902
 Ion Ratio Lower Upper
 152 100
 115 61.9 31.1 93.3
 150 156.2 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 48.607 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070008.D
 Acq: 09 Aug 2021 20:47

Tgt Ion: 75 Resp: 243812
 Ion Ratio Lower Upper
 75 100
 77 1.7 181.5 544.5#

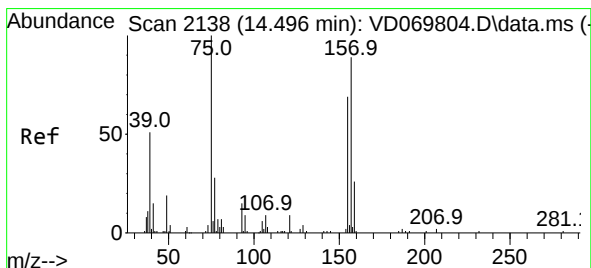
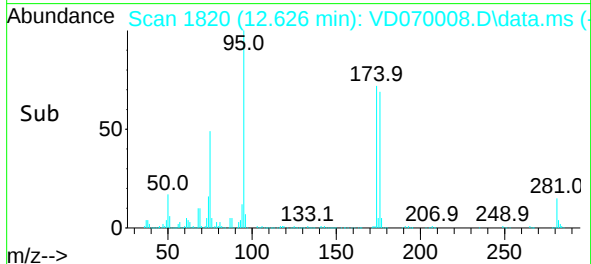
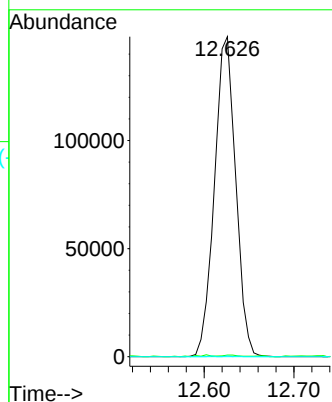
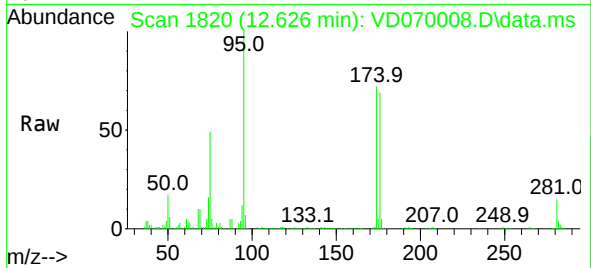




#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.461 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070008.D
 Acq: 09 Aug 2021 20:47

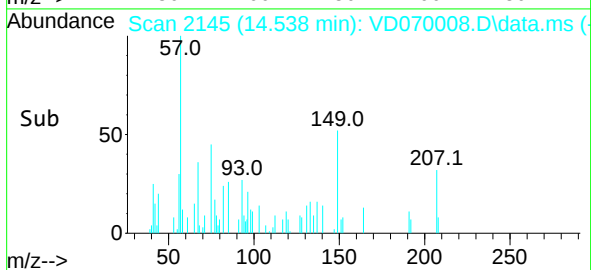
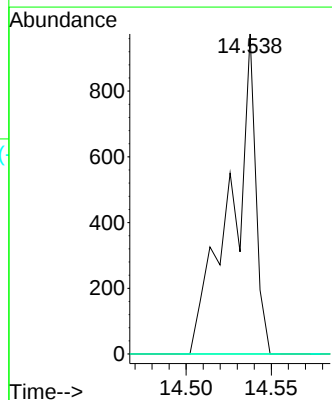
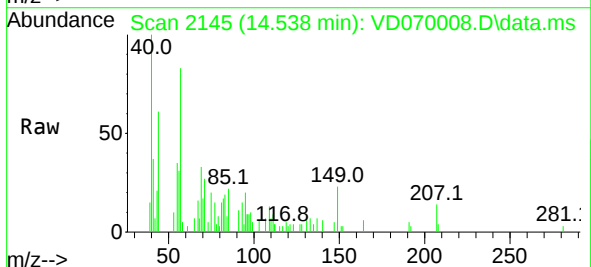
Instrument :
 MSVOA_D
 ClientSampled :

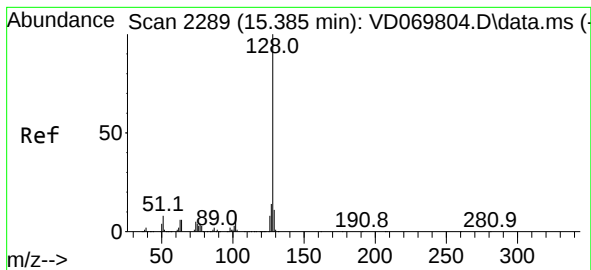
Tgt Ion: 75 Resp: 243812
 Ion Ratio Lower Upper
 75 100
 53 0.2 67.2 100.8#
 89 0.1 35.8 53.6#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.008 ug/l
 RT: 14.538 min Scan# 2145
 Delta R.T. 0.041 min
 Lab File: VD070008.D
 Acq: 09 Aug 2021 20:47

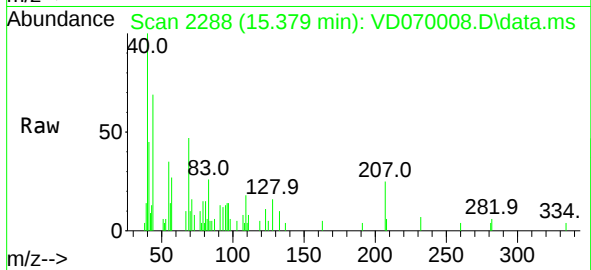
Tgt Ion: 75 Resp: 983
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.3 108.9#
 157 0.0 47.0 141.0#





#95
Naphthalene
Concen: 5.052 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070008.D
Acq: 09 Aug 2021 20:47

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	918
Ion	Ratio	Lower	Upper
128	100		
127	49.2	10.6	16.0#
129	0.0	8.6	12.8#

