

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080921\
 Data File : VD070006.D
 Acq On : 09 Aug 2021 19:49
 Operator : VA/SY
 Sample : M3296-02
 Misc : 5.62G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 07:06:28 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)

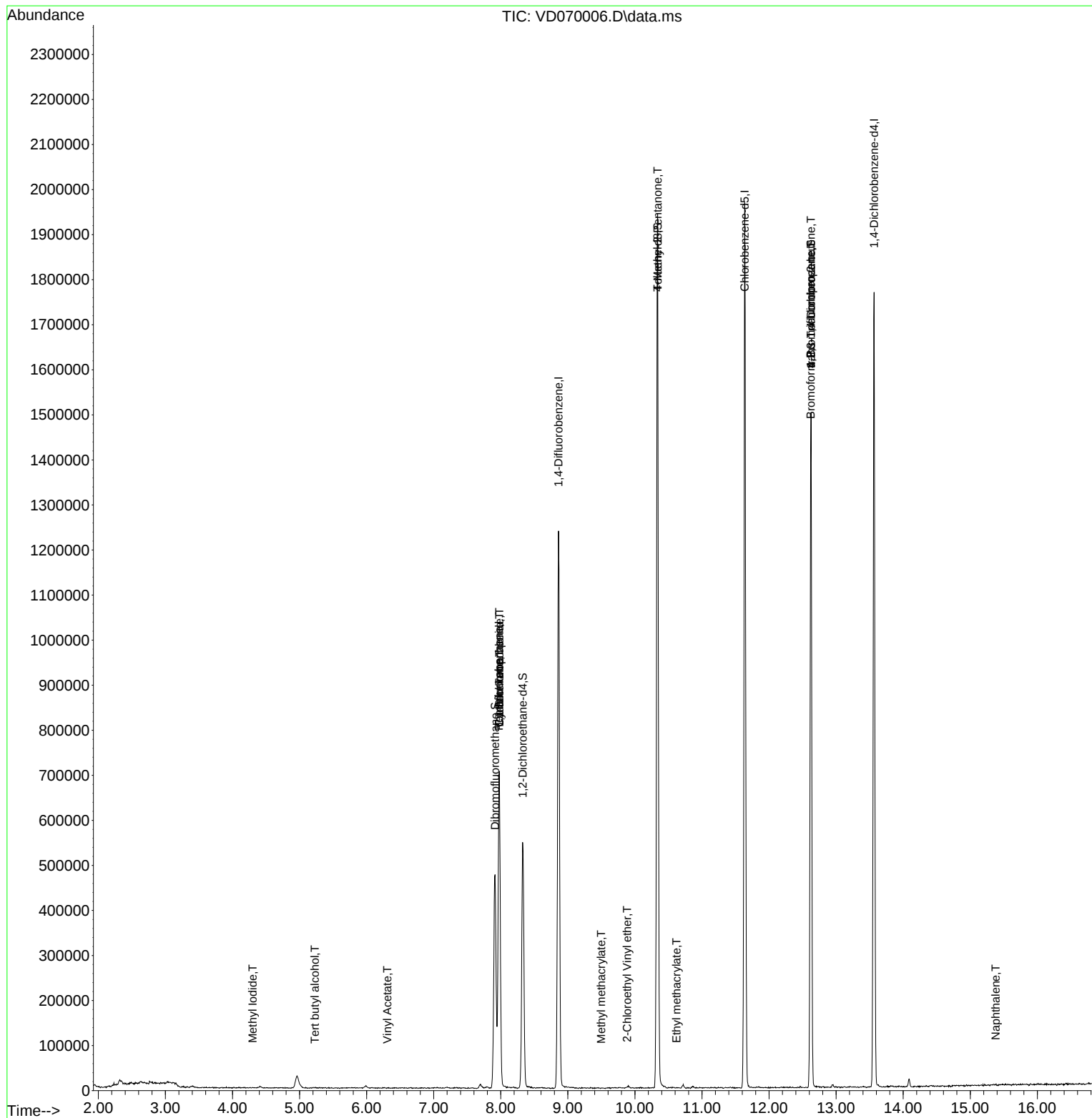
Internal Standards						
1) Pentafluorobenzene	7.973	168	493824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1067868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1103130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	470472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	427310	75.238	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 150.480%	
35) Dibromofluoromethane	7.914	113	359522	53.406	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.820%	
50) Toluene-d8	10.338	98	1336670	51.494	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.980%	
62) 4-Bromofluorobenzene	12.626	95	486015	56.024	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.040%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	1699	Below Cal	#	69
10) Methyl Iodide	4.303	142	774	3.580	ug/l #	75
11) Tert butyl alcohol	5.226	59	370	1.259	ug/l #	73
20) Methylene Chloride	4.961	84	21459	Below Cal	#	91
23) Vinyl Acetate	6.308	43	60	20.355	ug/l #	71
31) Cyclohexane	7.979	56	12493	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	44479	3.860	ug/l #	49
38) Carbon Tetrachloride	7.979	117	54570	5.184	ug/l #	17
48) Methyl methacrylate	9.497	41	77	2.765	ug/l #	13
51) 4-Methyl-2-Pentanone	10.338	43	5884	1.503	ug/l #	1
56) Ethyl methacrylate	10.620	69	55	3.903	ug/l #	28
58) 2-Chloroethyl Vinyl ether	9.885	63	149	20.911	ug/l #	48
71) Bromoform	12.620	173	4317	1.081	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	239134	47.819	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	239134	145.072	ug/l #	16
95) Naphthalene	15.379	128	469	5.026	ug/l #	69

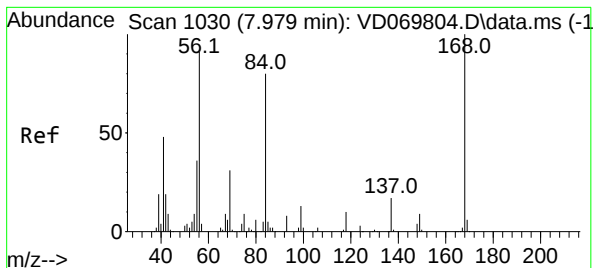
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD070006.D

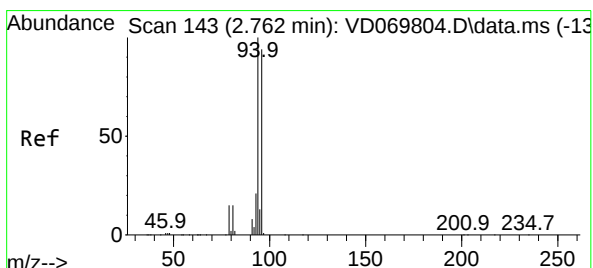
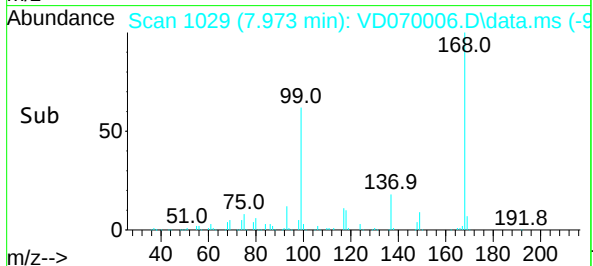
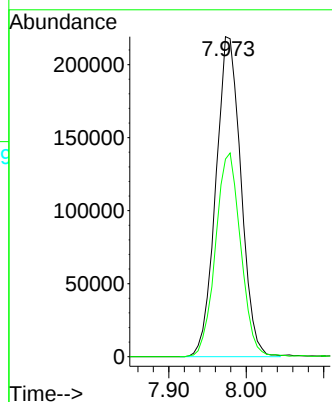
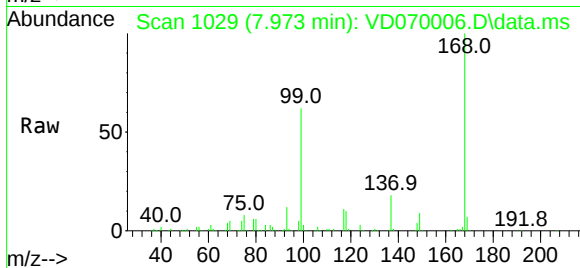
Acq: 09 Aug 2021 19:49

Tgt Ion:168 Resp: 493824

Ion Ratio Lower Upper

168 100

99 61.8 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.011 min

Lab File: VD070006.D

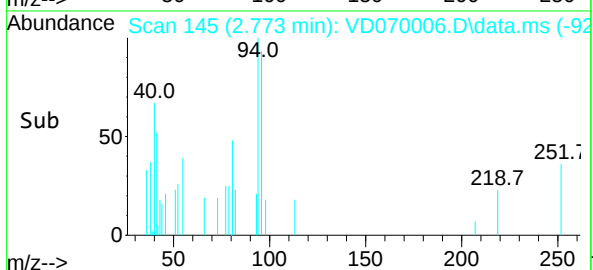
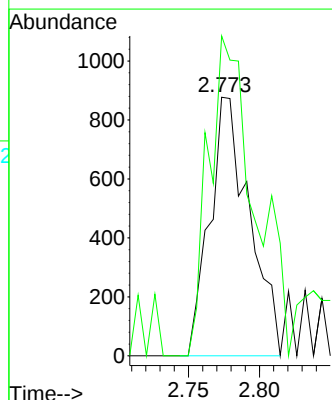
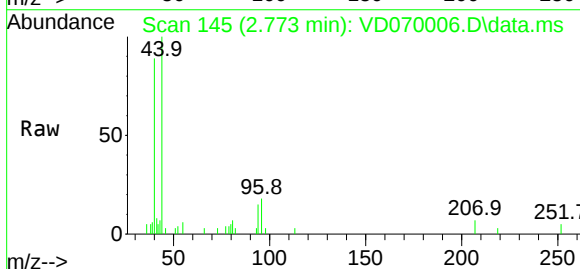
Acq: 09 Aug 2021 19:49

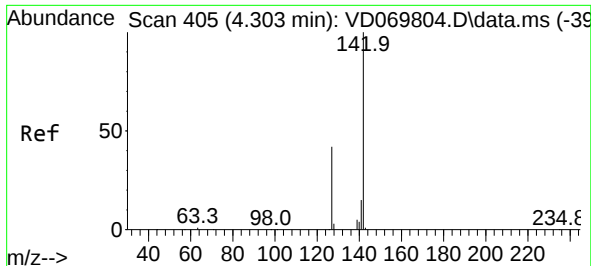
Tgt Ion: 94 Resp: 1699

Ion Ratio Lower Upper

94 100

96 123.7 74.8 112.2#

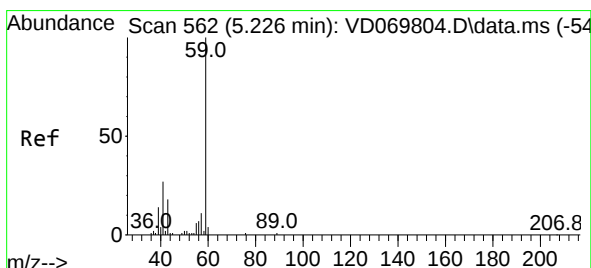
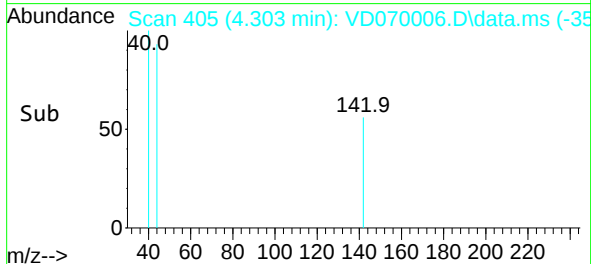
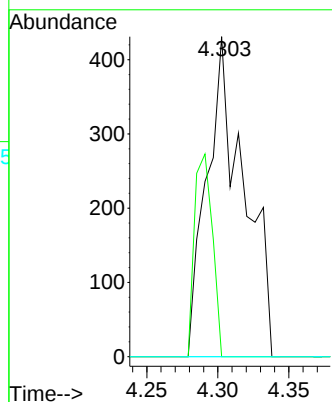
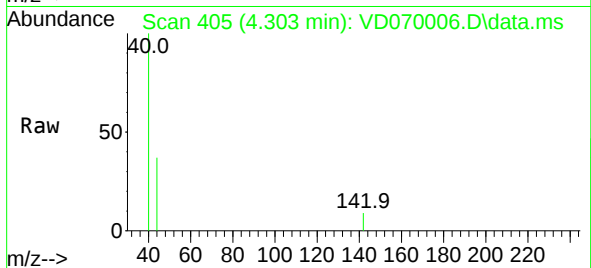




#10
Methyl Iodide
Concen: 3.580 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

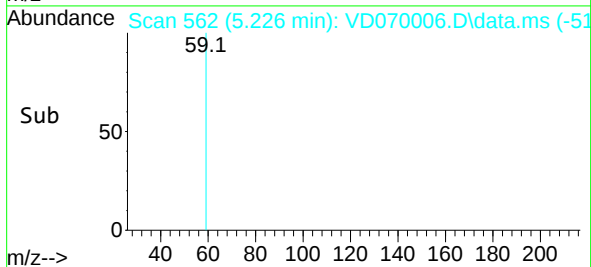
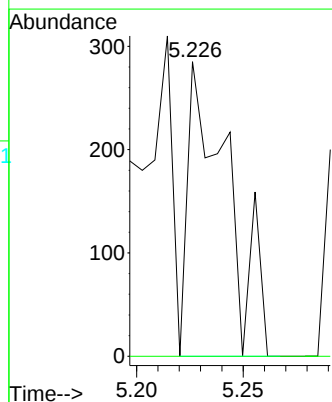
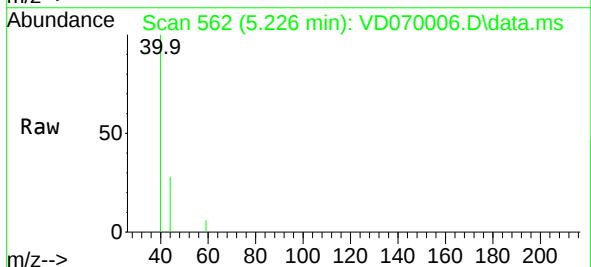
Instrument :
MSVOA_D
ClientSampled :

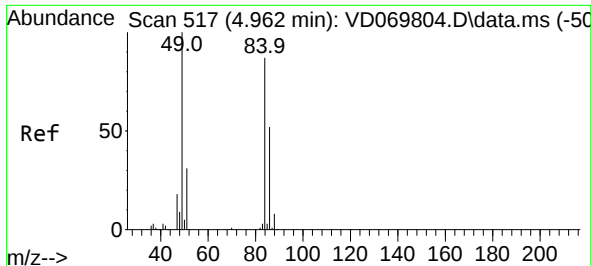
Tgt Ion:142 Resp: 774
Ion Ratio Lower Upper
142 100
127 30.9 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.259 ug/l
RT: 5.226 min Scan# 562
Delta R.T. -0.000 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

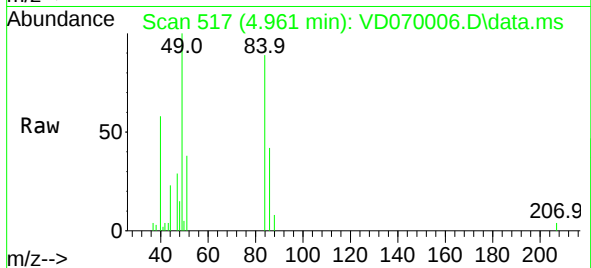
Tgt Ion: 59 Resp: 370
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



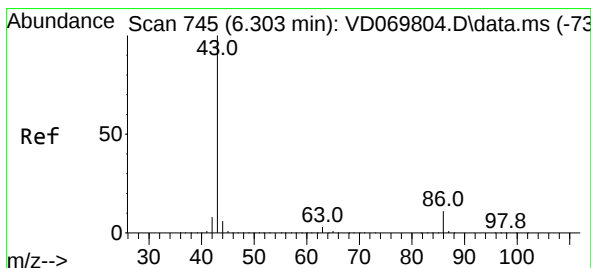
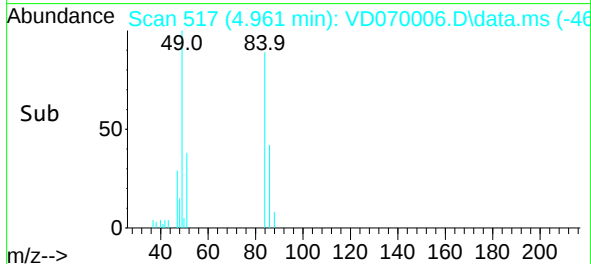
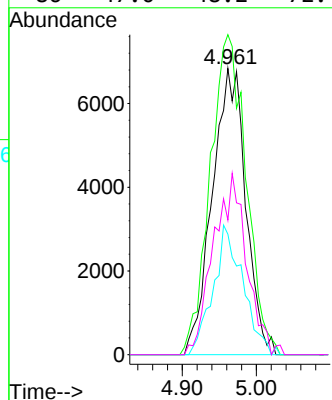


#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

Instrument :
MSVOA_D
ClientSampleId :

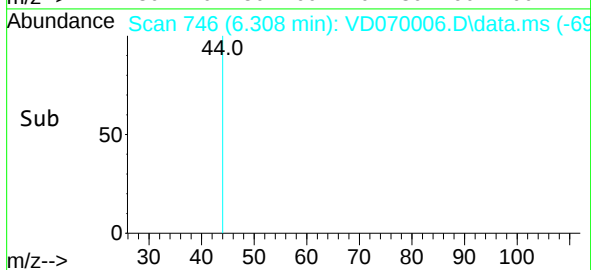
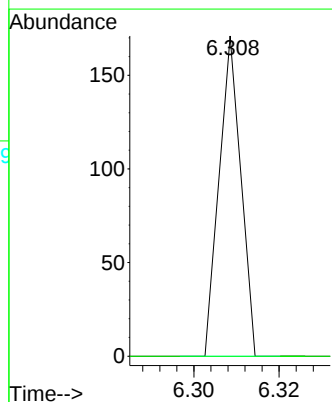
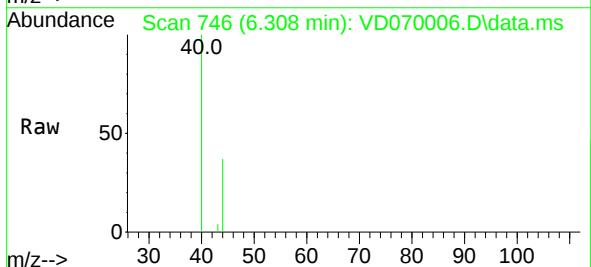


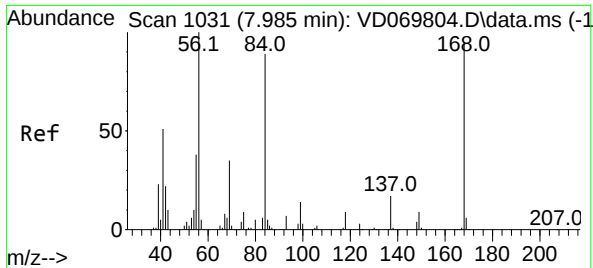
Tgt Ion:	84	Resp:	21459
Ion	Ratio	Lower	Upper
84	100		
49	111.8	92.4	138.6
51	42.1	28.5	42.7
86	47.0	48.2	72.4#



#23
Vinyl Acetate
Concen: 20.355 ug/l
RT: 6.308 min Scan# 746
Delta R.T. 0.005 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

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

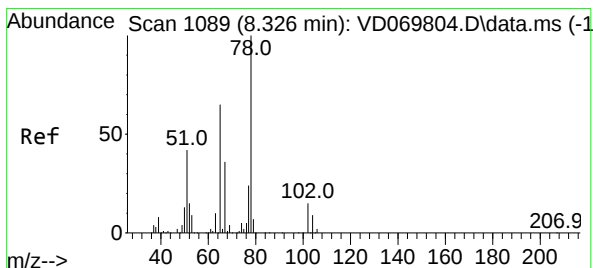
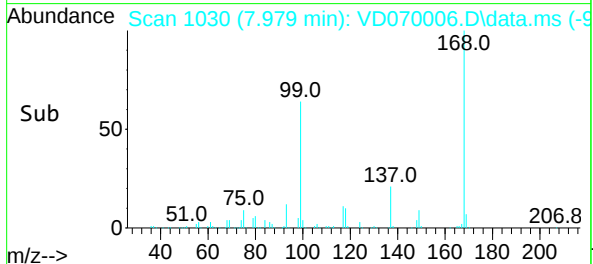
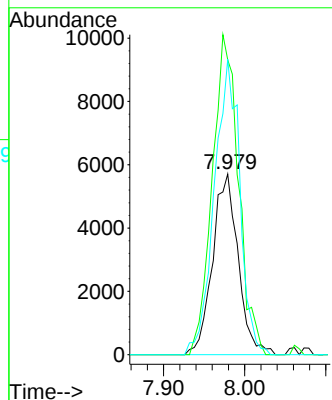
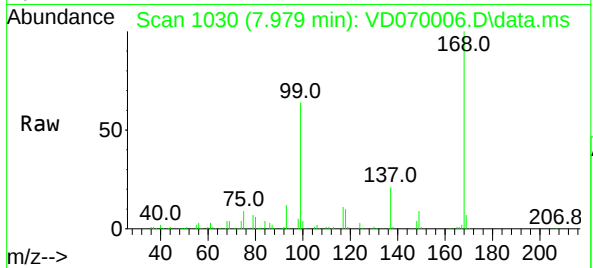




#31
Cyclohexane
Concen: 1.126 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

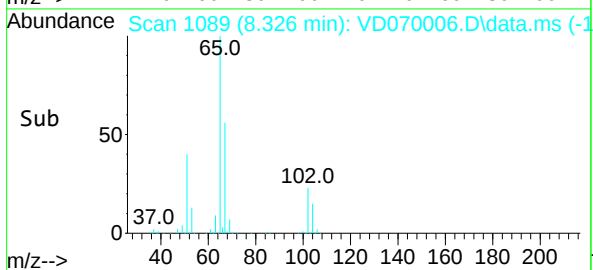
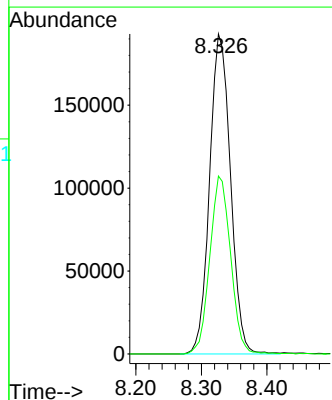
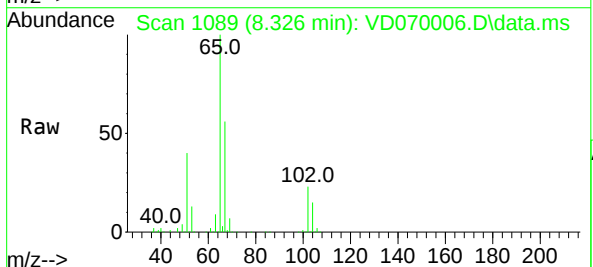
Instrument :
MSVOA_D
ClientSampleId :

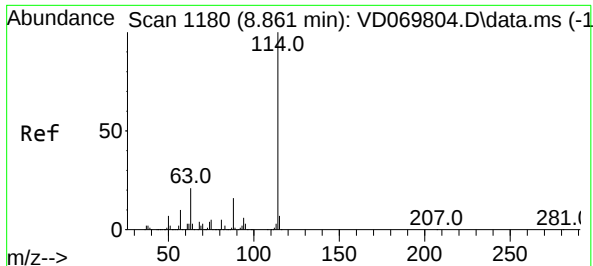
Tgt Ion	Ratio	Lower	Upper
56	100		
69	163.3	27.9	41.9#
84	163.6	71.4	107.2#



#33
1,2-Dichloroethane-d4
Concen: 75.238 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

Tgt Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	111.2



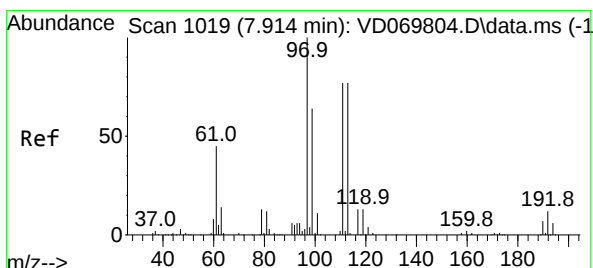
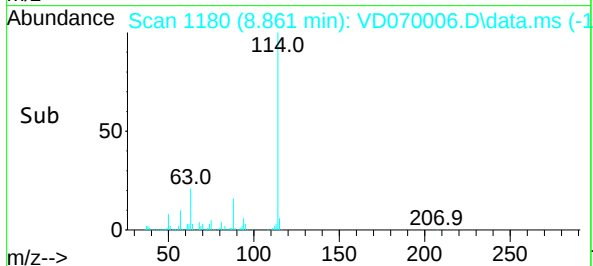
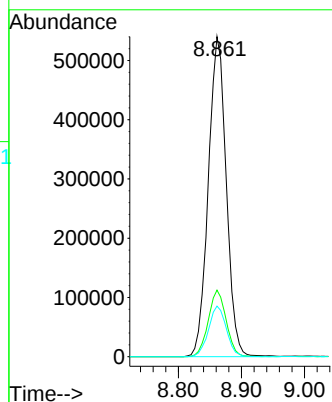
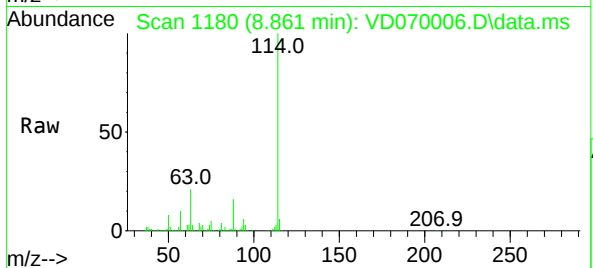


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

Instrument :
MSVOA_D
ClientSampled :

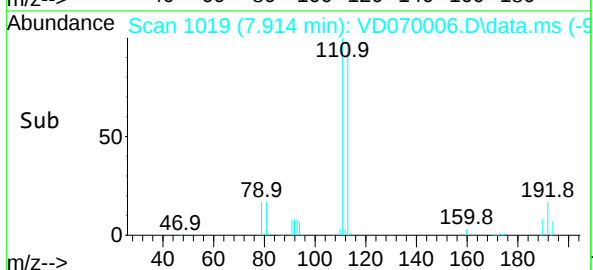
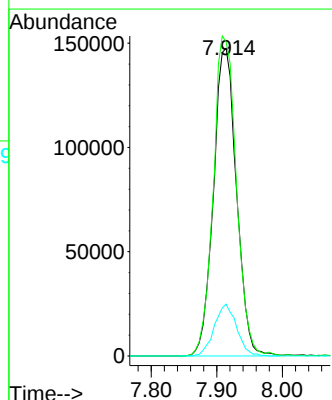
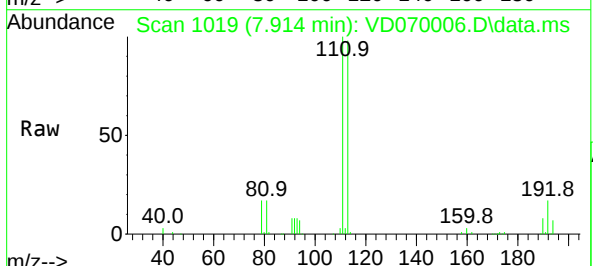
Tgt Ion:114 Resp: 1067868
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.6
88 15.8 0.0 31.4

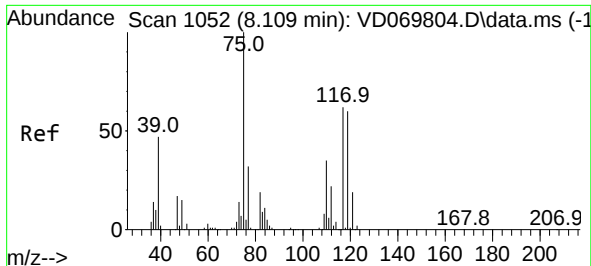


#35

Dibromofluoromethane
Concen: 53.406 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

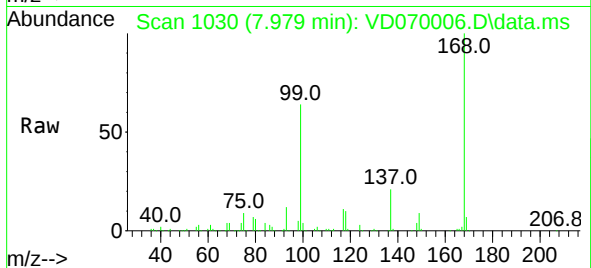
Tgt Ion:113 Resp: 359522
Ion Ratio Lower Upper
113 100
111 104.3 80.5 120.7
192 16.3 12.6 19.0



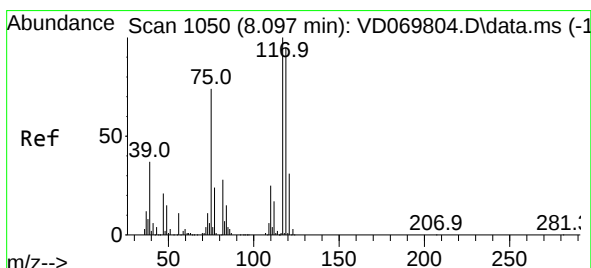
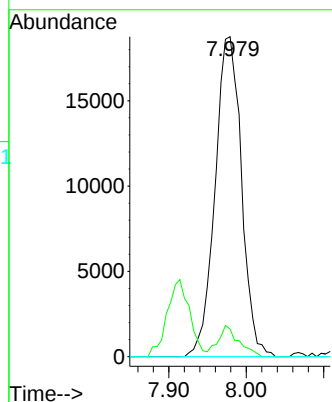
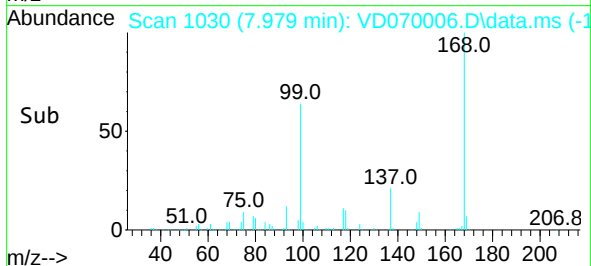


#36
1,1-Dichloropropene
Concen: 3.860 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

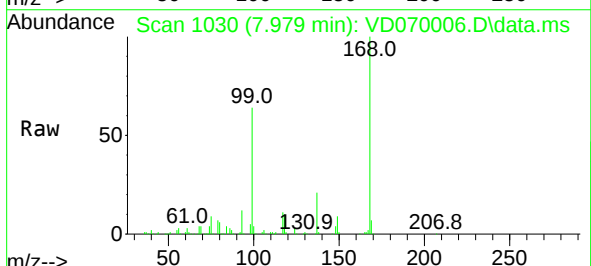
Instrument :
MSVOA_D
ClientSampleId :



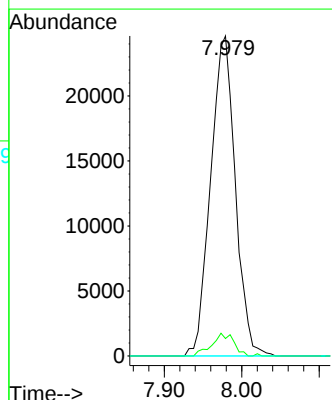
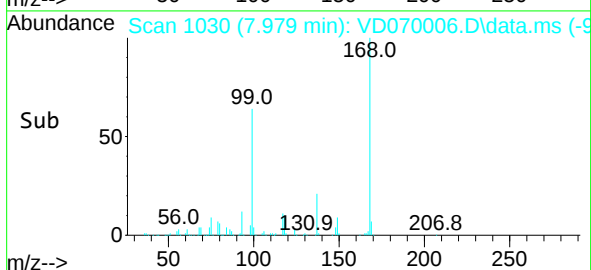
Tgt Ion: 75 Resp: 44479
Ion Ratio Lower Upper
75 100
110 7.6 16.9 50.7#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.184 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49



Tgt Ion: 117 Resp: 54570
Ion Ratio Lower Upper
117 100
119 5.5 76.2 114.2#
121 0.0 24.5 36.7#

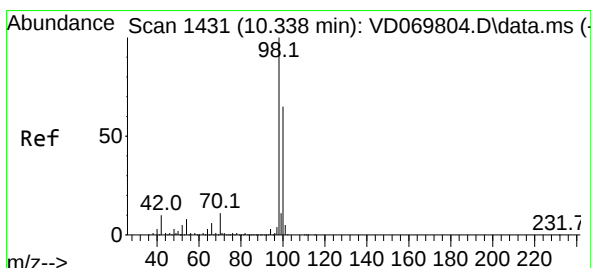
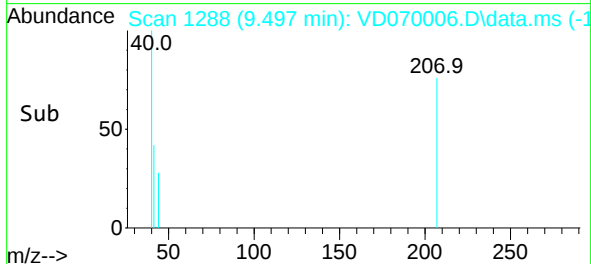
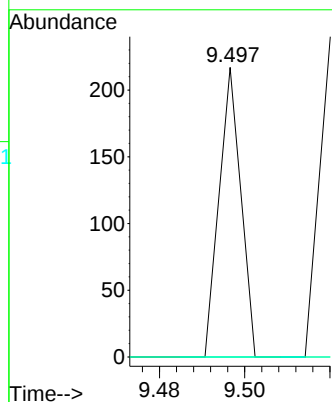
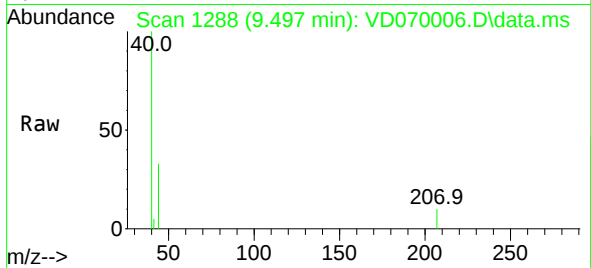




#48
Methyl methacrylate
Concen: 2.765 ug/l
RT: 9.497 min Scan# 1288
Delta R.T. 0.047 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

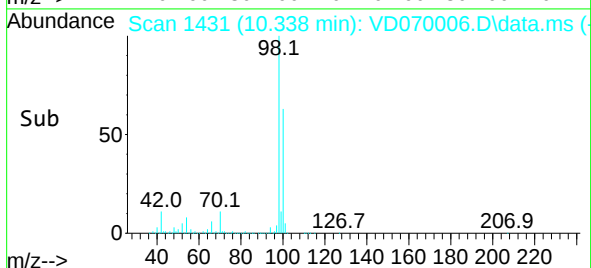
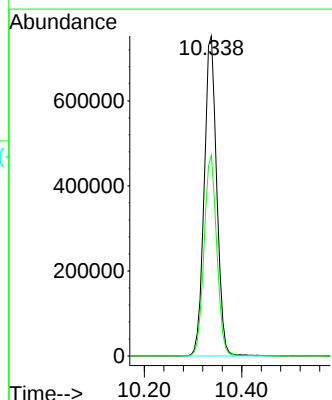
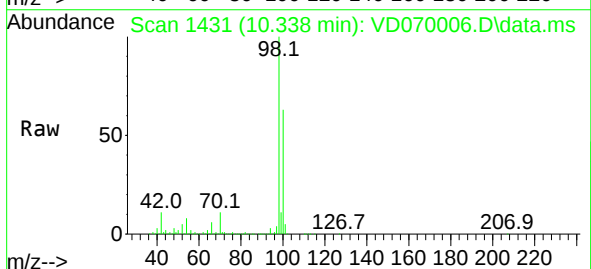
Instrument :
MSVOA_D
ClientSampled :

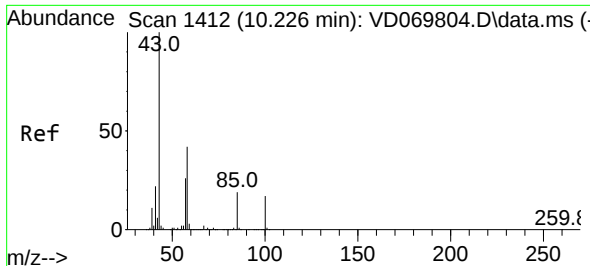
Tgt Ion: 41 Resp: 77
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#50
Toluene-d8
Concen: 51.494 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

Tgt Ion: 98 Resp: 1336670
Ion Ratio Lower Upper
98 100
100 64.0 51.9 77.9

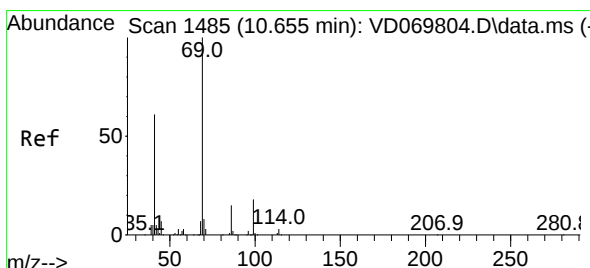
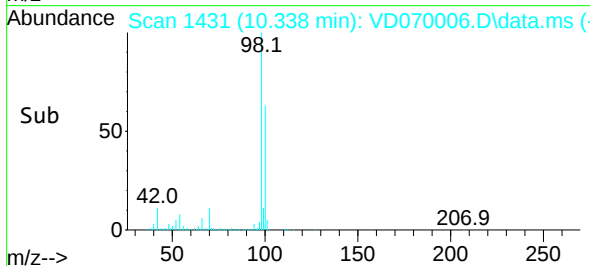
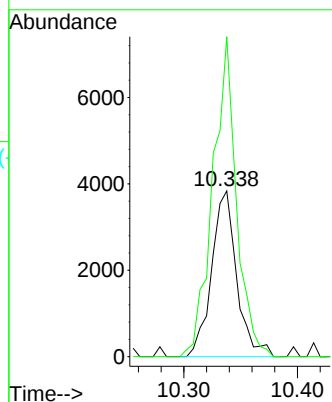
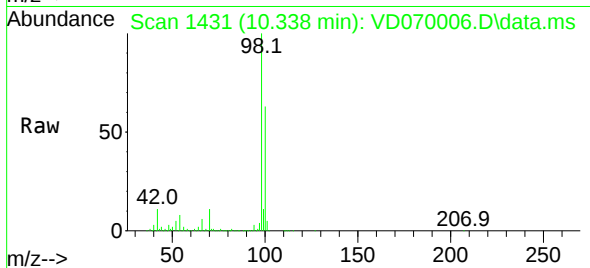




#51
4-Methyl-2-Pentanone
Concen: 1.503 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

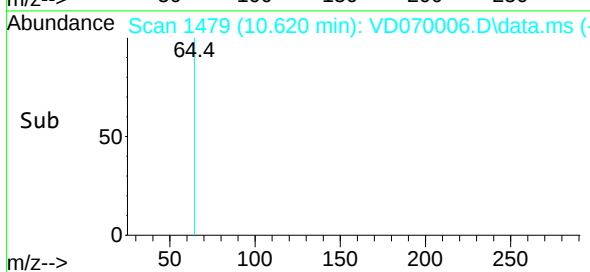
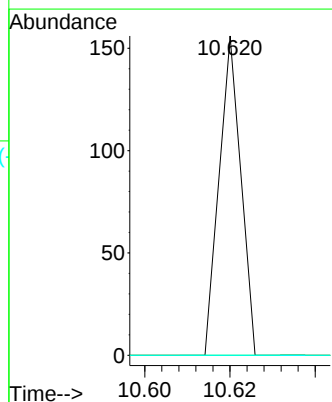
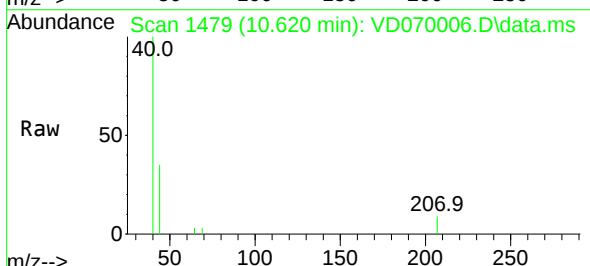
Instrument :
MSVOA_D
ClientSampled :

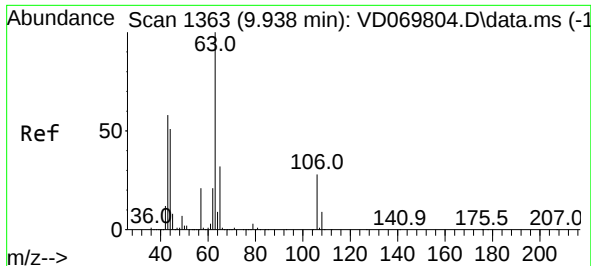
Tgt Ion: 43 Resp: 5884
Ion Ratio Lower Upper
43 100
58 183.2 33.7 50.5#



#56
Ethyl methacrylate
Concen: 3.903 ug/l
RT: 10.620 min Scan# 1479
Delta R.T. -0.035 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

Tgt Ion: 69 Resp: 55
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 22.0 33.0#

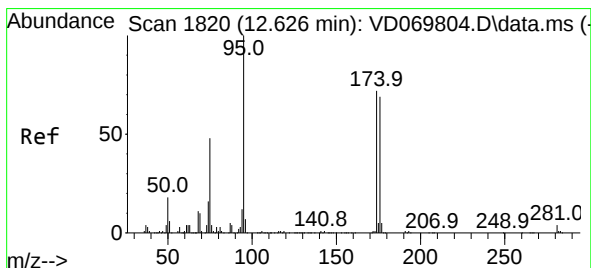
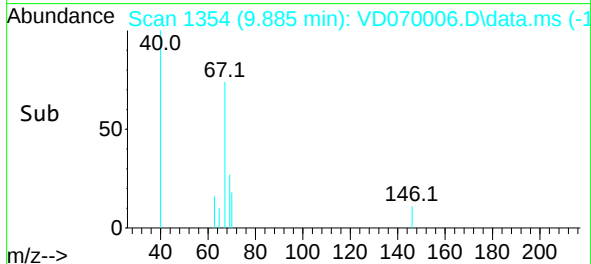
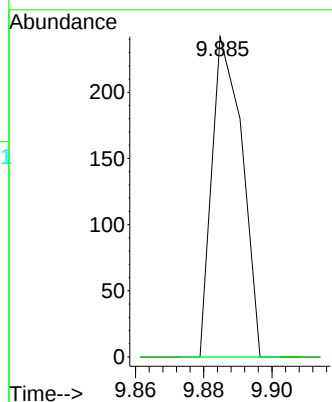
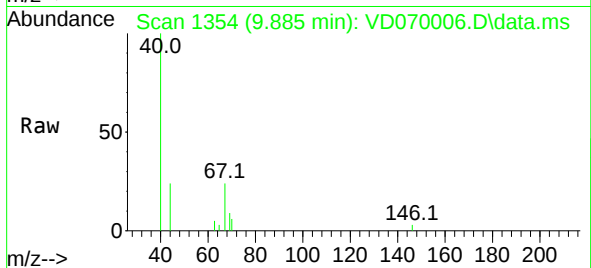




#58
2-Chloroethyl Vinyl ether
Concen: 20.911 ug/l
RT: 9.885 min Scan# 1354
Delta R.T. -0.053 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

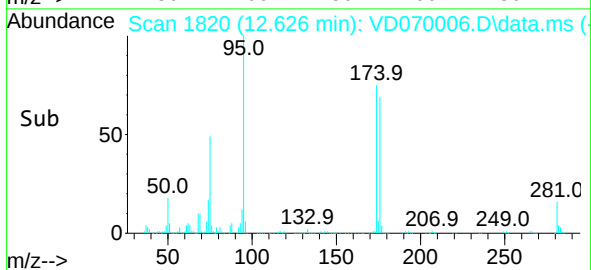
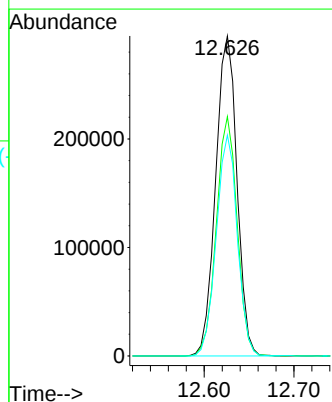
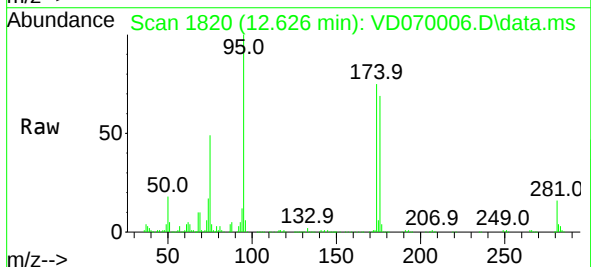
Instrument :
MSVOA_D
ClientSampled :

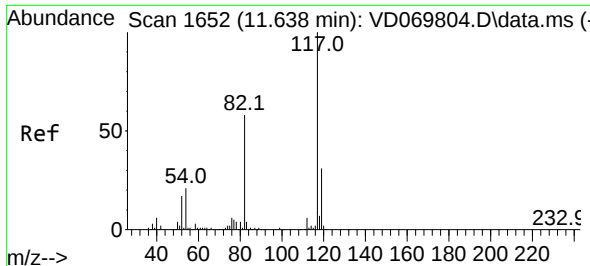
Tgt Ion: 63 Resp: 149
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 56.024 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

Tgt Ion: 95 Resp: 486015
Ion Ratio Lower Upper
95 100
174 73.1 0.0 142.6
176 68.1 0.0 134.2

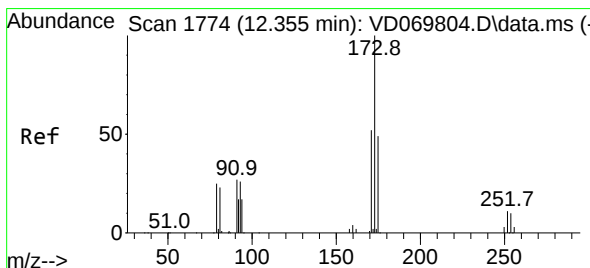
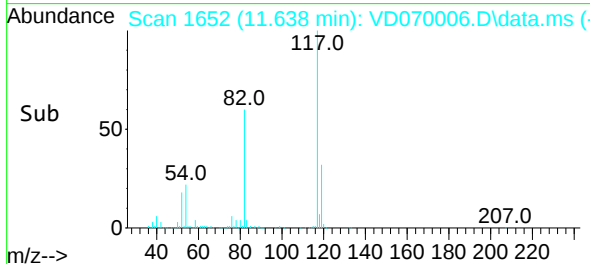
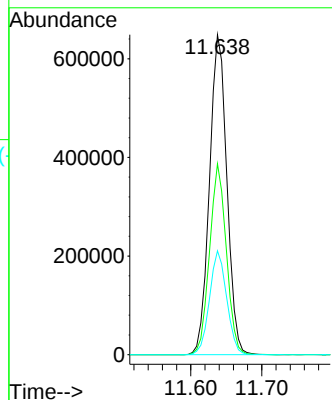
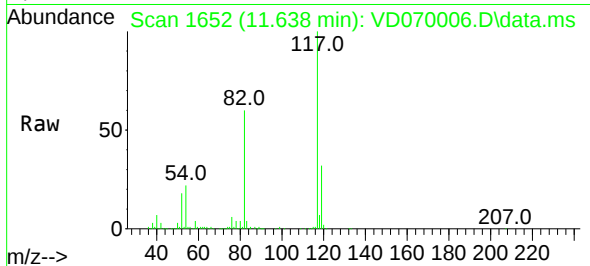




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

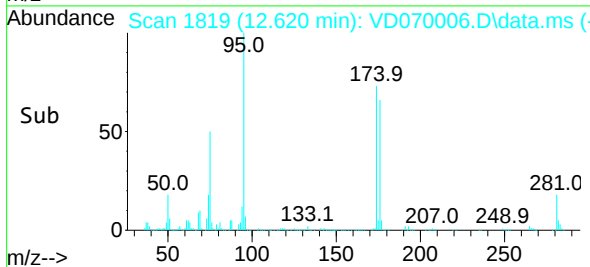
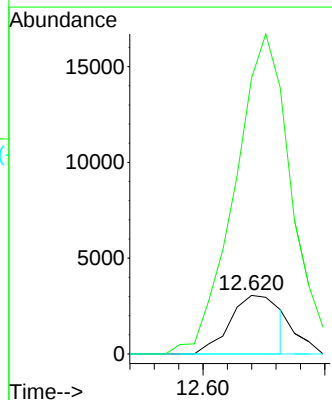
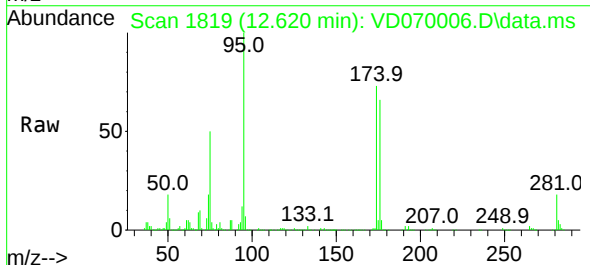
Instrument :
MSVOA_D
ClientSampled :

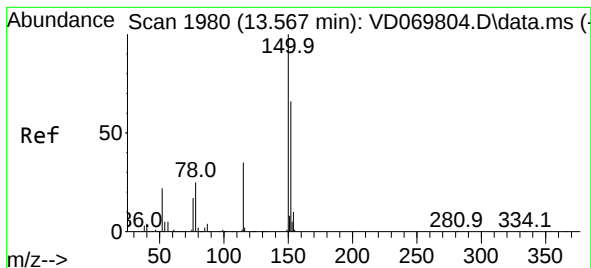
Tgt Ion:117 Resp: 1103130
Ion Ratio Lower Upper
117 100
82 59.7 46.3 69.5
119 32.5 24.7 37.1



#71
Bromoform
Concen: 1.081 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

Tgt Ion:173 Resp: 4317
Ion Ratio Lower Upper
173 100
175 519.4 24.1 72.3#
254 0.0 0.1 0.1#

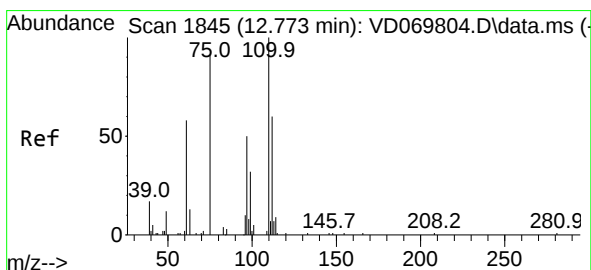
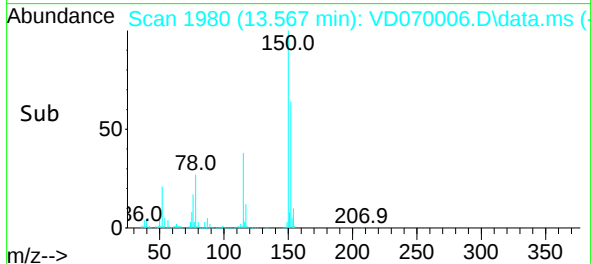
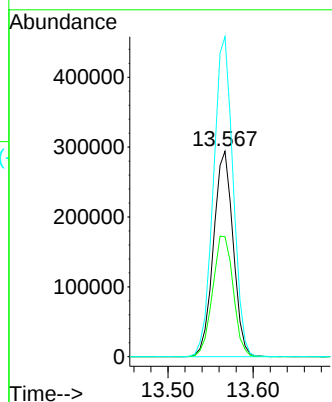
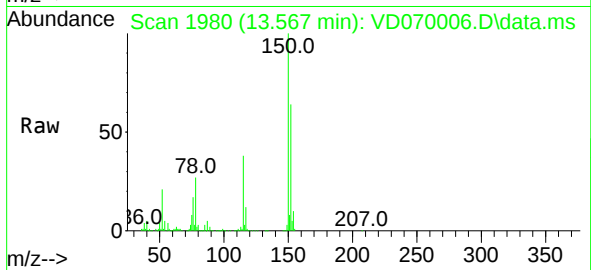




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

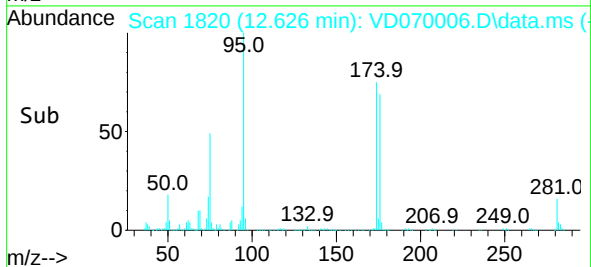
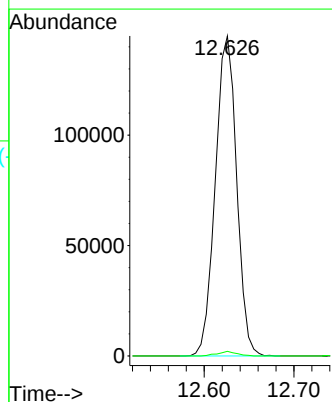
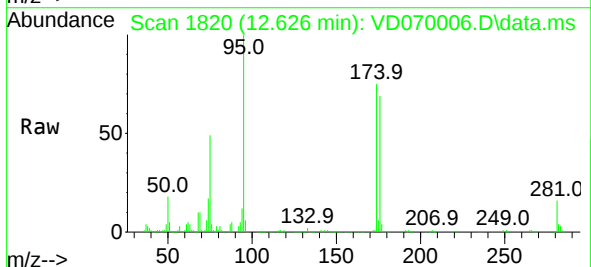
Instrument :
MSVOA_D
ClientSampled :

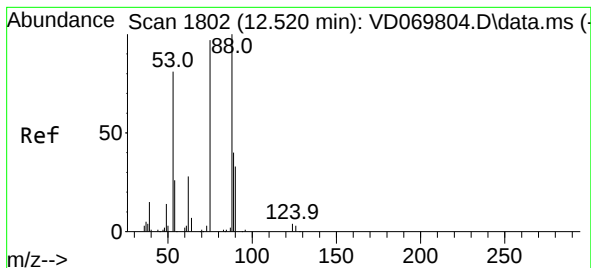
Tgt Ion:152 Resp: 470472
Ion Ratio Lower Upper
152 100
115 61.6 31.1 93.3
150 156.0 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 47.819 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

Tgt Ion: 75 Resp: 239134
Ion Ratio Lower Upper
75 100
77 1.3 181.5 544.5#

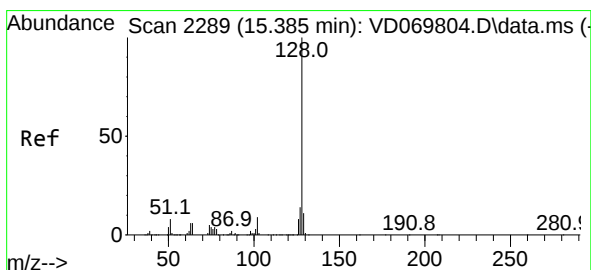
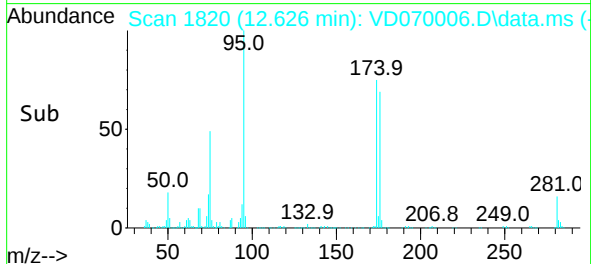
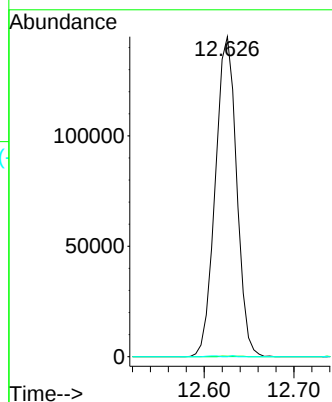
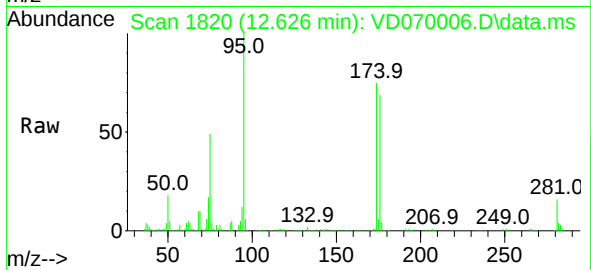




#81
trans-1,4-Dichloro-2-butene
Concen: 145.072 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 239134
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 0.1 35.8 53.6#



#95
Naphthalene
Concen: 5.026 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VD070006.D
Acq: 09 Aug 2021 19:49

Tgt Ion: 128 Resp: 469
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

