

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080921\
 Data File : VD070003.D
 Acq On : 09 Aug 2021 18:24
 Operator : VA/SY
 Sample : M3314-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 10 07:05:15 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)

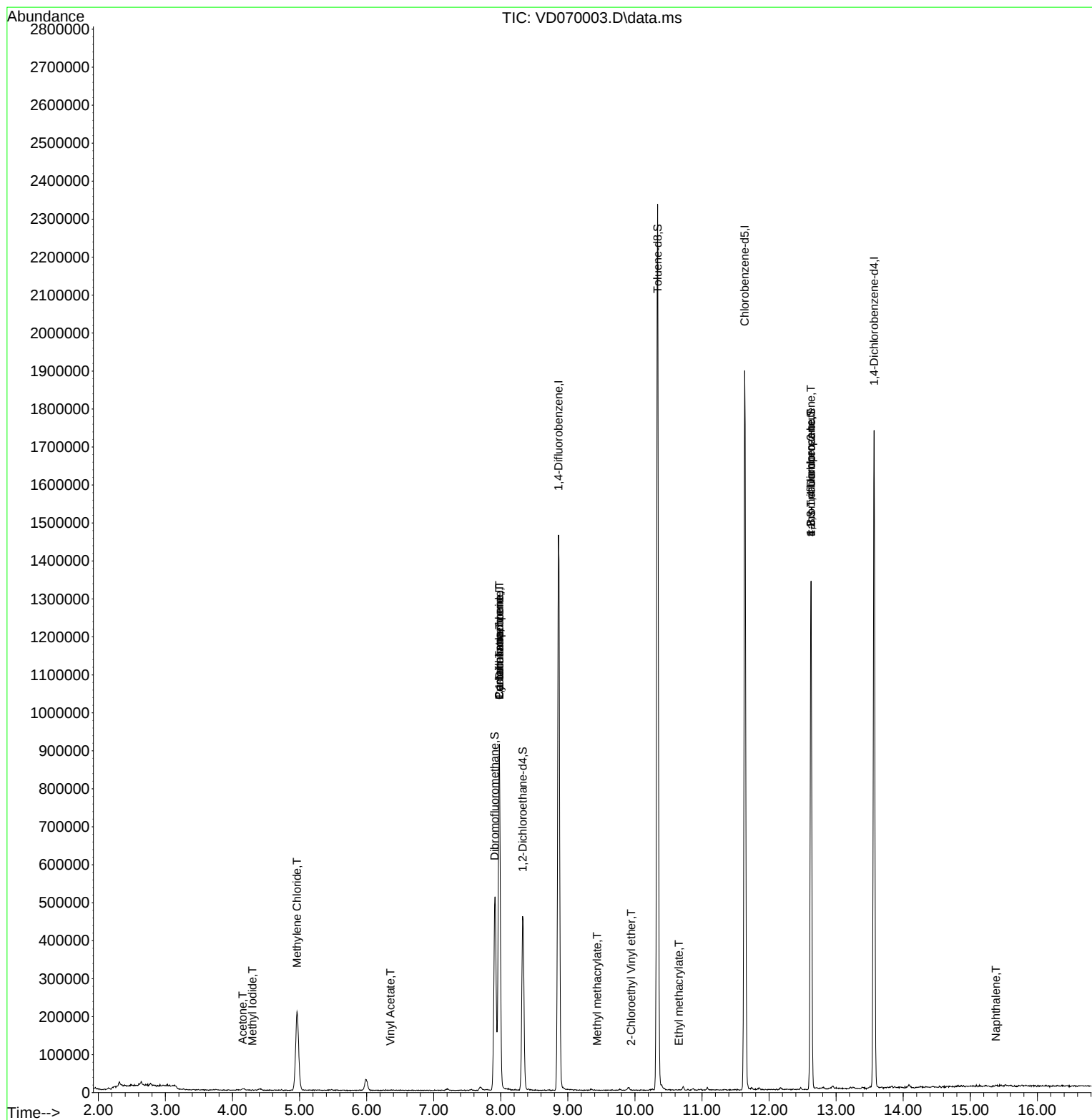
Internal Standards						
1) Pentafluorobenzene	7.979	168	624005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1261406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1120920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	449226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	367110	51.154	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.300%			
35) Dibromofluoromethane	7.908	113	386828	48.646	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.300%			
50) Toluene-d8	10.338	98	1589701	51.846	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.700%			
62) 4-Bromofluorobenzene	12.626	95	471868	46.048	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.100%			
Target Compounds					Qvalue	
5) Bromomethane	2.785	94	2530	Below Cal	#	29
10) Methyl Iodide	4.297	142	1380	3.628	ug/l #	91
16) Acetone	4.150	43	8363	6.451	ug/l #	87
20) Methylene Chloride	4.961	84	166774	13.098	ug/l	98
23) Vinyl Acetate	6.356	43	222	20.365	ug/l #	71
31) Cyclohexane	7.979	56	14490	1.033	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	55454	4.074	ug/l #	50
38) Carbon Tetrachloride	7.979	117	66227	5.326	ug/l #	17
48) Methyl methacrylate	9.438	41	304	2.808	ug/l #	11
56) Ethyl methacrylate	10.655	69	300	3.927	ug/l #	47
58) 2-Chloroethyl Vinyl ether	9.944	63	317	20.944	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	231732	48.531	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	231732	147.230	ug/l #	16
95) Naphthalene	15.384	128	1496	5.090	ug/l #	85

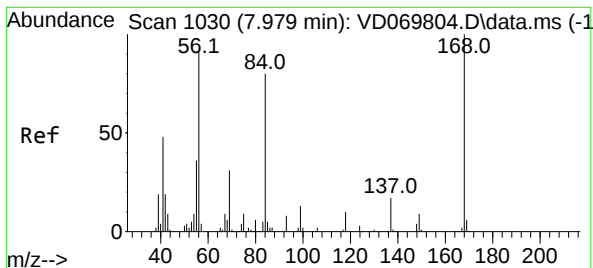
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VD070003.D

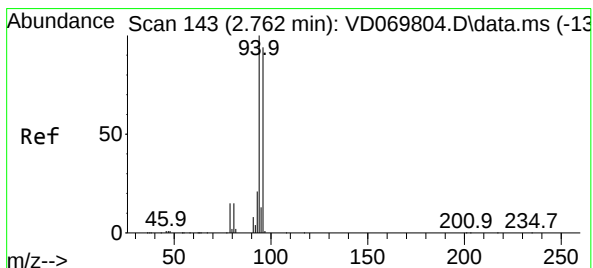
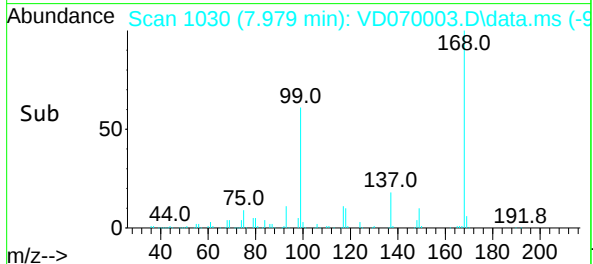
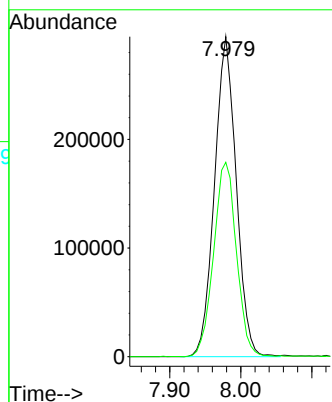
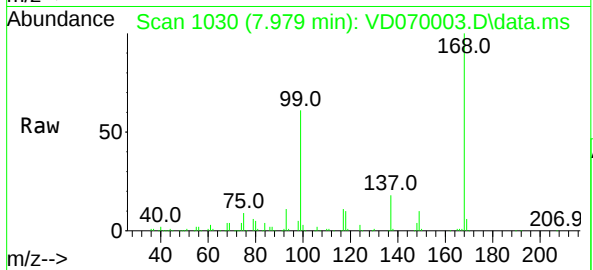
Acq: 09 Aug 2021 18:24

Tgt Ion:168 Resp: 624005

Ion Ratio Lower Upper

168 100

99 60.7 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.785 min Scan# 147

Delta R.T. 0.023 min

Lab File: VD070003.D

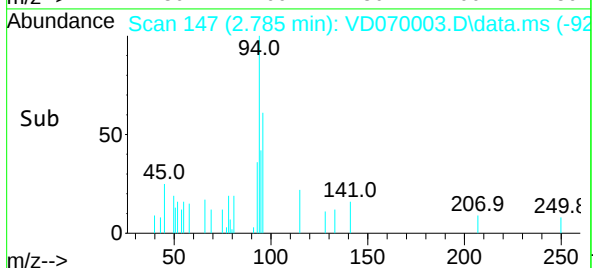
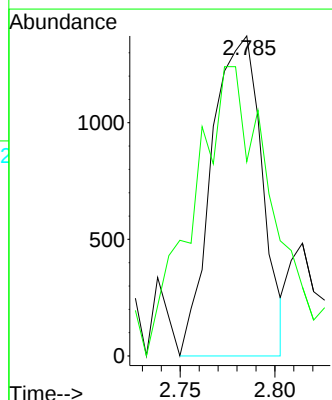
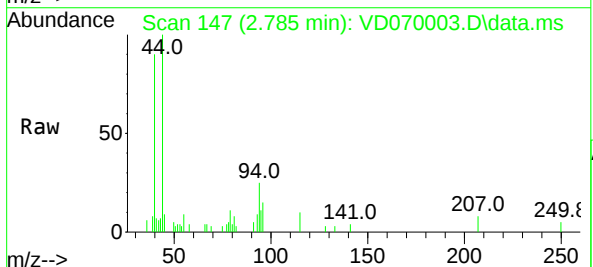
Acq: 09 Aug 2021 18:24

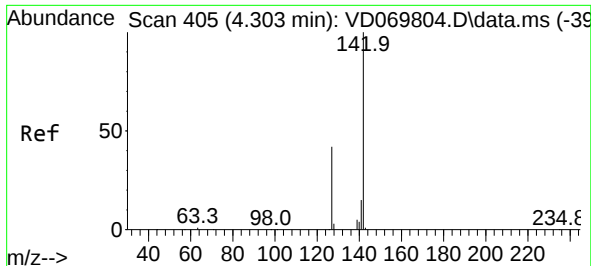
Tgt Ion: 94 Resp: 2530

Ion Ratio Lower Upper

94 100

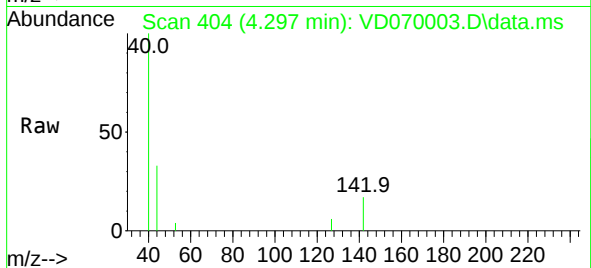
96 24.7 74.8 112.2#



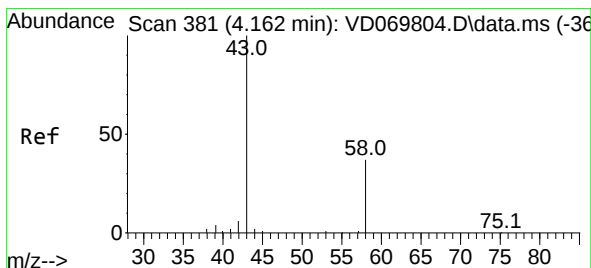
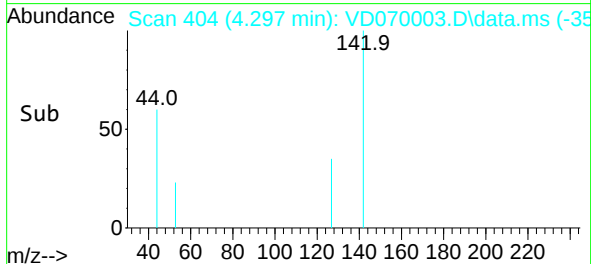
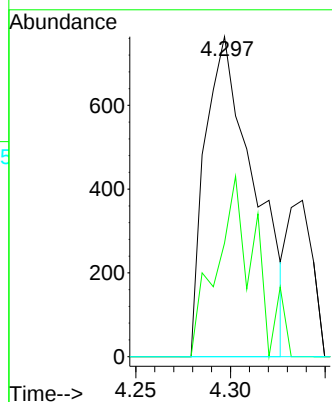


#10
Methyl Iodide
Concen: 3.628 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

Instrument :
MSVOA_D
ClientSampled :

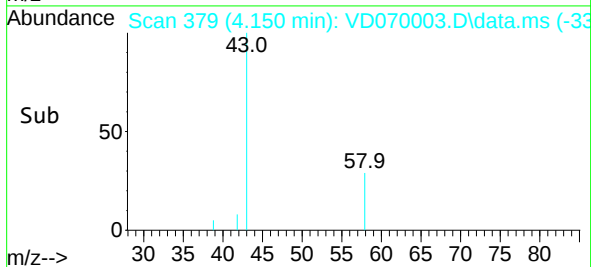
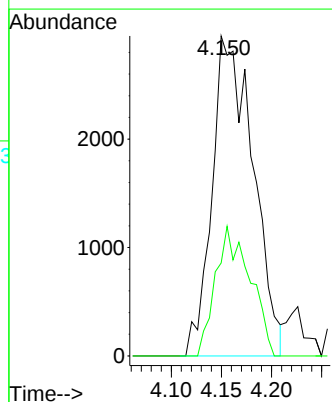
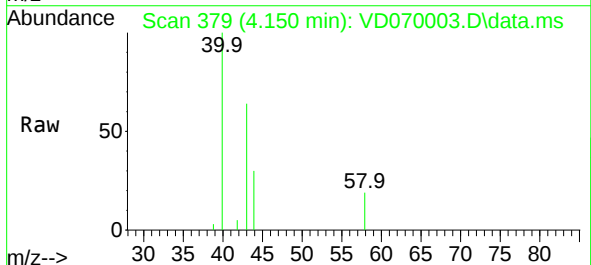


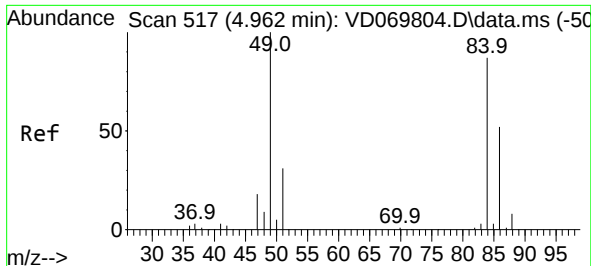
Tgt Ion:142 Resp: 1380
Ion Ratio Lower Upper
142 100
127 44.4 35.7 53.5
141 0.0 12.0 18.0#



#16
Acetone
Concen: 6.451 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.012 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

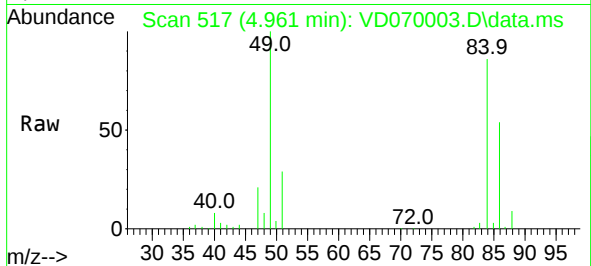
Tgt Ion: 43 Resp: 8363
Ion Ratio Lower Upper
43 100
58 29.0 29.4 44.0#



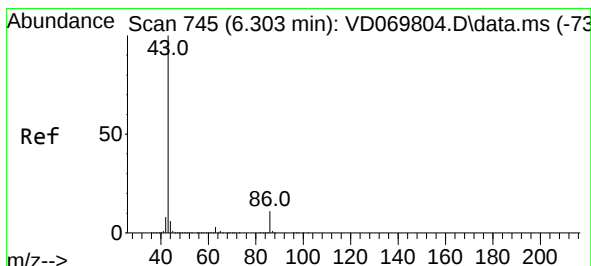
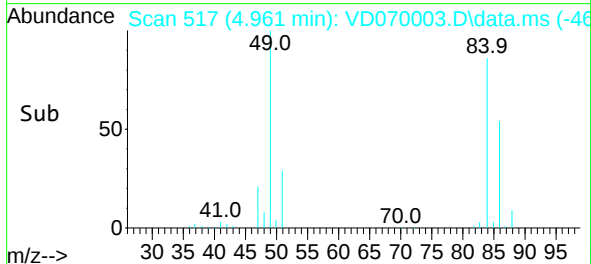
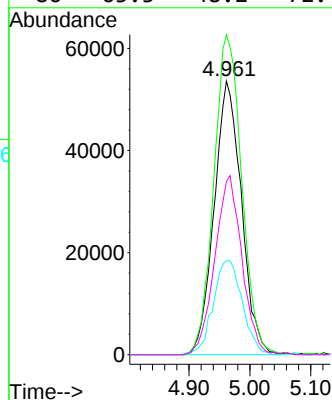


#20
Methylene Chloride
Concen: 13.098 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

Instrument :
MSVOA_D
ClientSampleId :

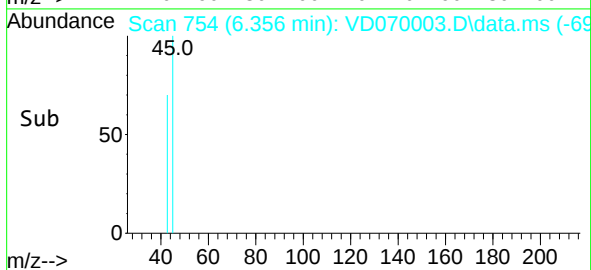
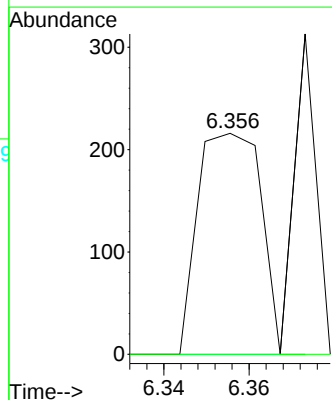
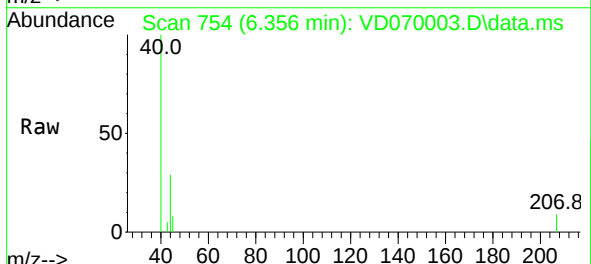


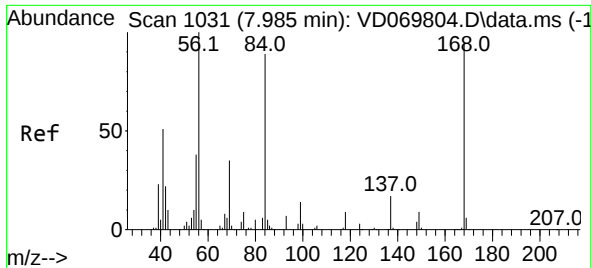
Tgt Ion: 84 Resp: 166774
Ion Ratio Lower Upper
84 100
49 117.0 92.4 138.6
51 34.3 28.5 42.7
86 63.3 48.2 72.4



#23
Vinyl Acetate
Concen: 20.365 ug/l
RT: 6.356 min Scan# 754
Delta R.T. 0.053 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

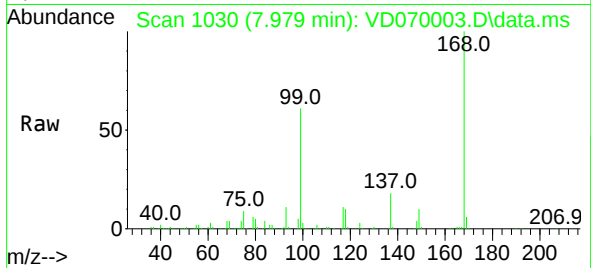
Tgt Ion: 43 Resp: 222
Ion Ratio Lower Upper
43 100
86 0.0 8.6 13.0#



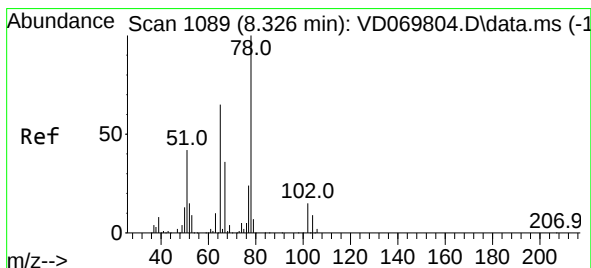
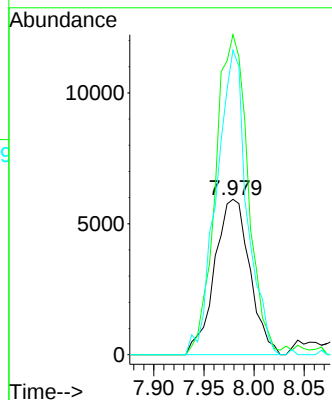
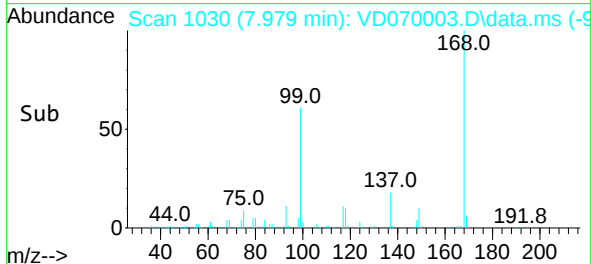


#31
Cyclohexane
Concen: 1.033 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

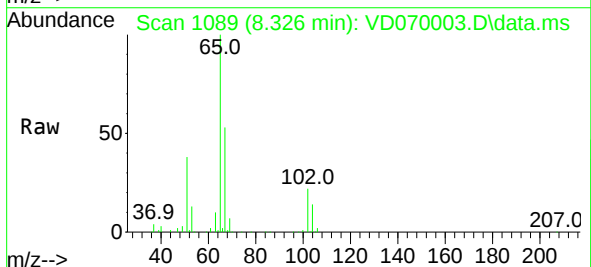
Instrument :
MSVOA_D
ClientSampled :



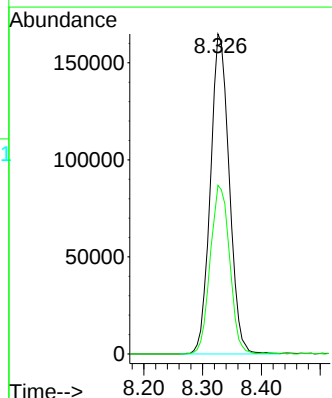
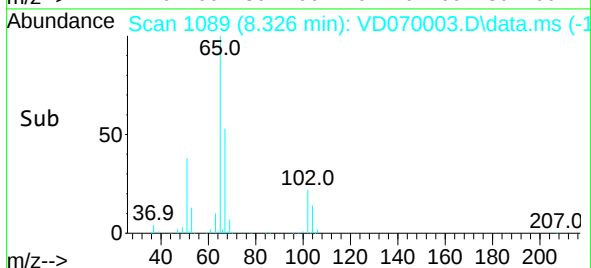
Tgt Ion: 56 Resp: 14490
Ion Ratio Lower Upper
56 100
69 206.0 27.9 41.9#
84 196.0 71.4 107.2#

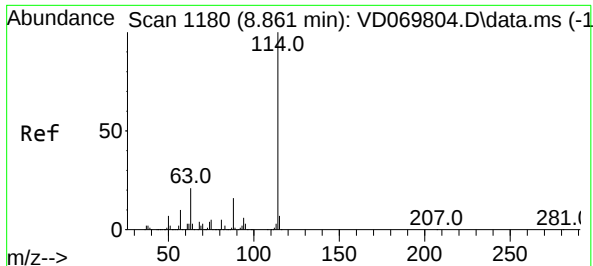


#33
1,2-Dichloroethane-d4
Concen: 51.154 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24



Tgt Ion: 65 Resp: 367110
Ion Ratio Lower Upper
65 100
67 53.9 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: VD070003.D

Acq: 09 Aug 2021 18:24

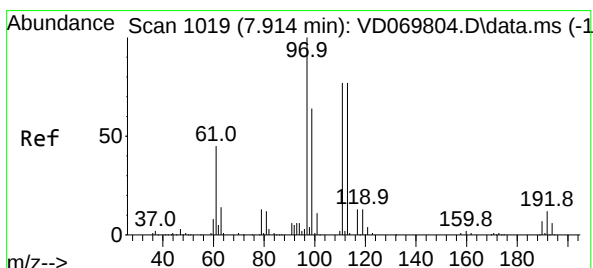
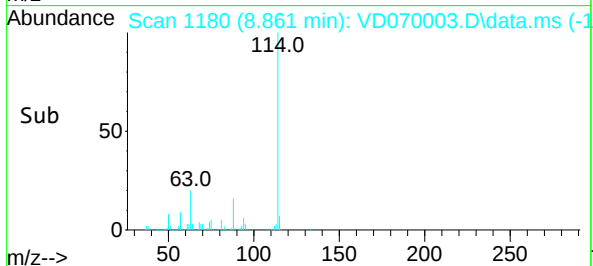
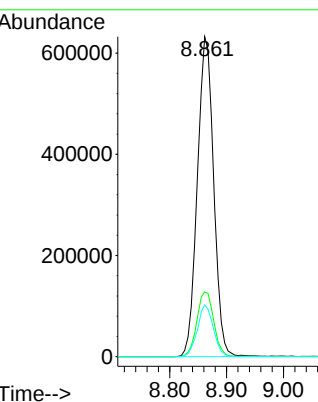
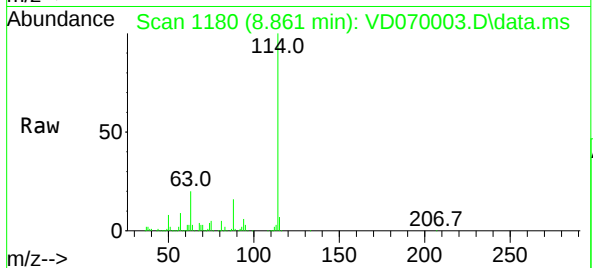
Tgt Ion:114 Resp: 1261406

Ion Ratio Lower Upper

114 100

63 20.2 0.0 41.6

88 16.2 0.0 31.4



#35

Dibromofluoromethane

Concen: 48.646 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070003.D

Acq: 09 Aug 2021 18:24

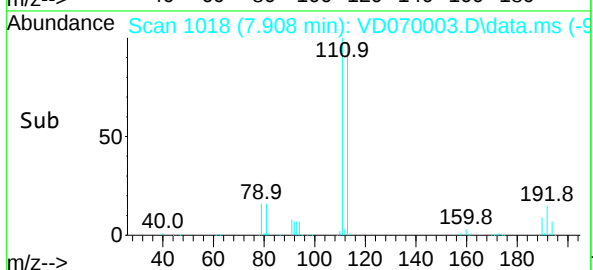
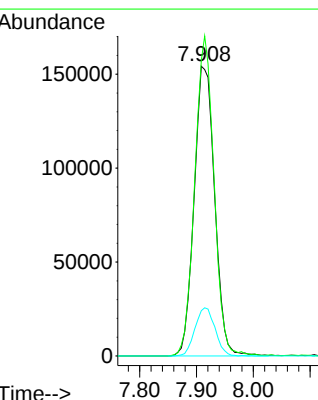
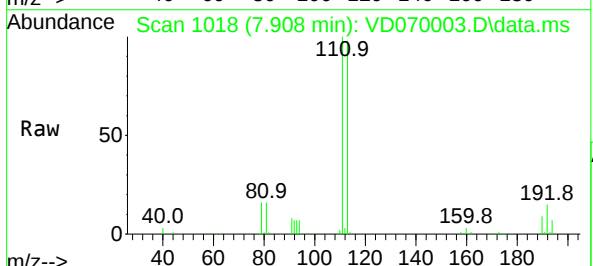
Tgt Ion:113 Resp: 386828

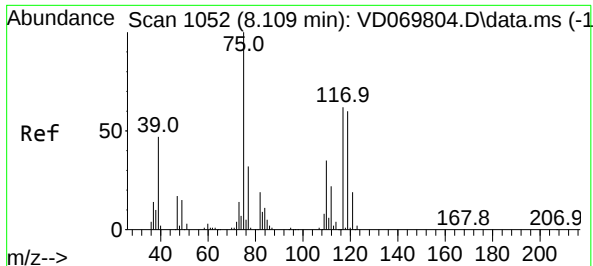
Ion Ratio Lower Upper

113 100

111 103.4 80.5 120.7

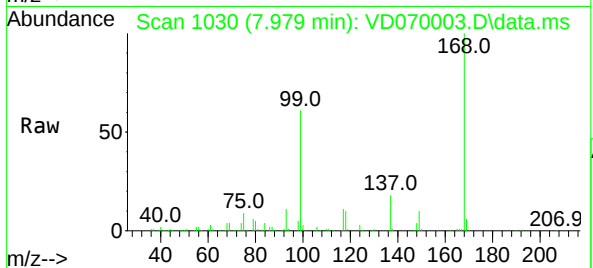
192 16.2 12.6 19.0



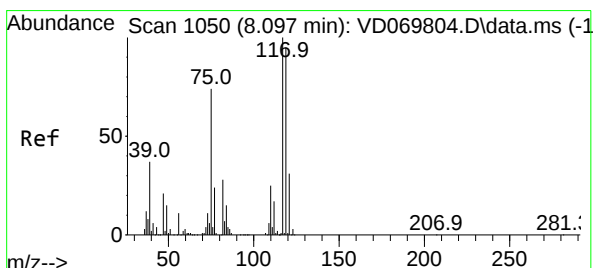
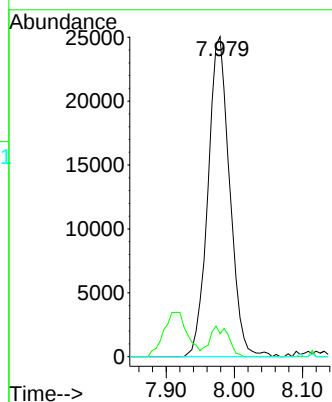
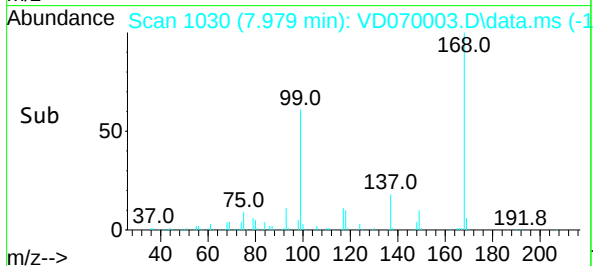


#36
1,1-Dichloropropene
Concen: 4.074 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

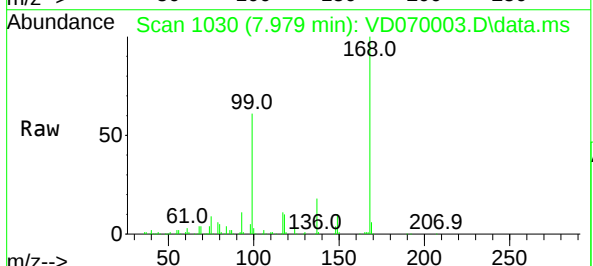
Instrument :
MSVOA_D
ClientSampled :



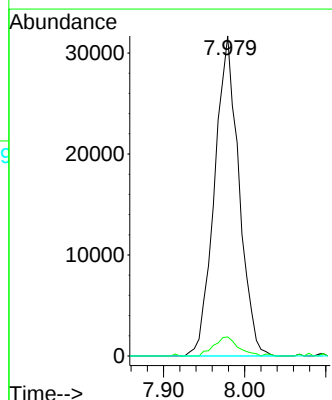
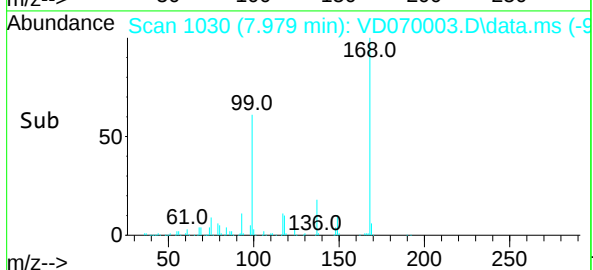
Tgt Ion: 75 Resp: 55454
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.7#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.326 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24



Tgt Ion: 117 Resp: 66227
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.2#
121 0.0 24.5 36.7#

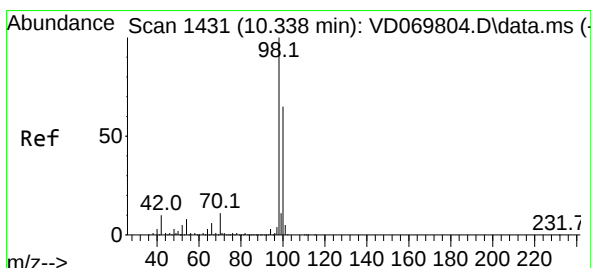
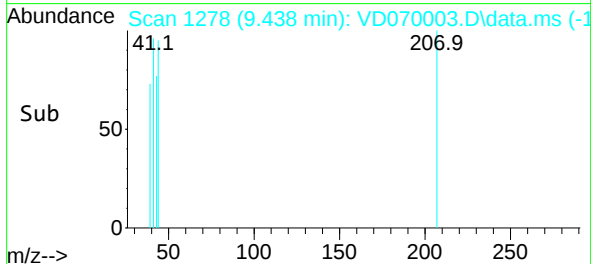
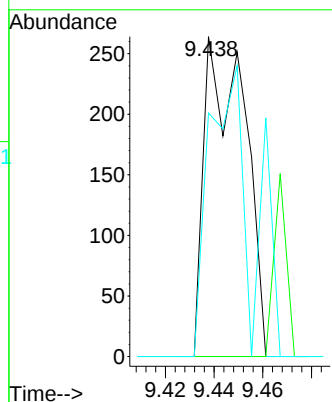
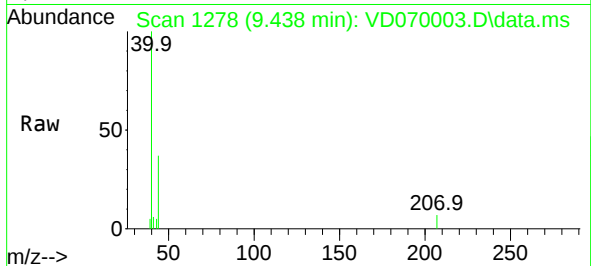




#48
Methyl methacrylate
Concen: 2.808 ug/l
RT: 9.438 min Scan# 1278
Delta R.T. -0.012 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

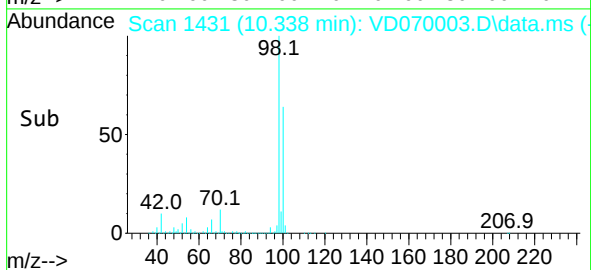
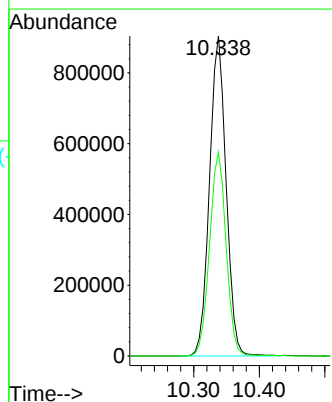
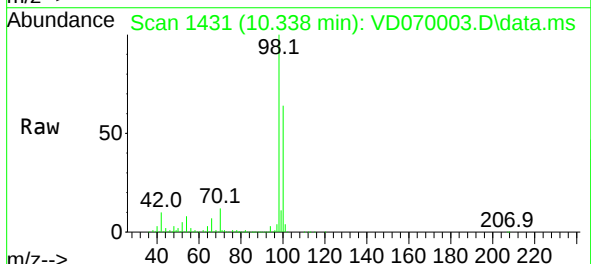
Instrument :
MSVOA_D
ClientSampled :

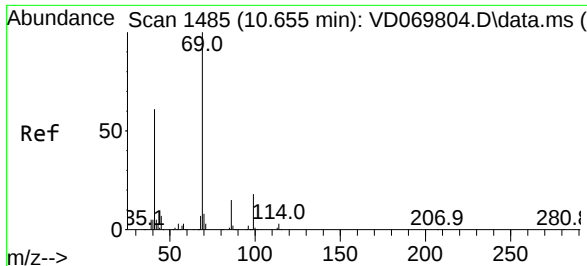
Tgt Ion: 41 Resp: 304
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 95.7 36.6 55.0#



#50
Toluene-d8
Concen: 51.846 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

Tgt Ion: 98 Resp: 1589701
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

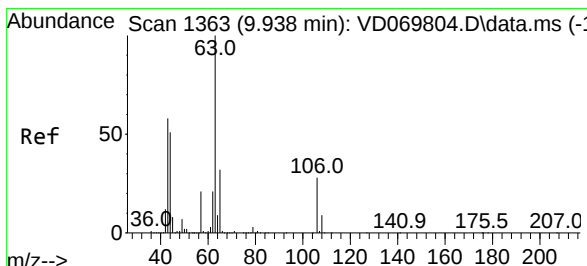
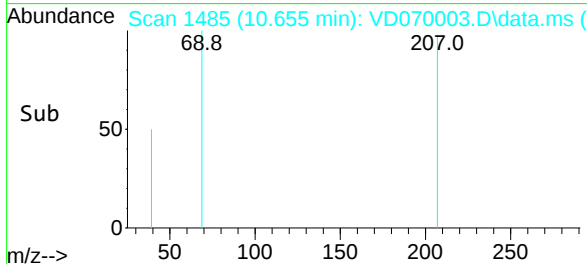
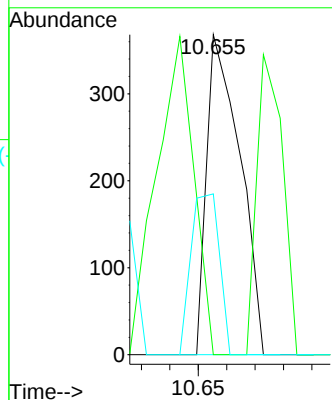
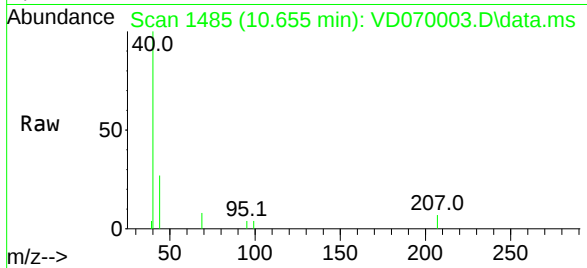




#56
Ethyl methacrylate
Concen: 3.927 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

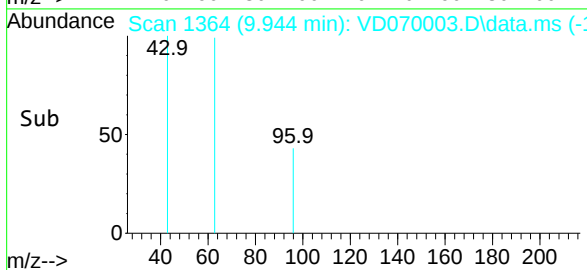
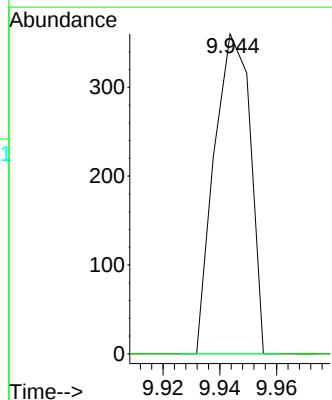
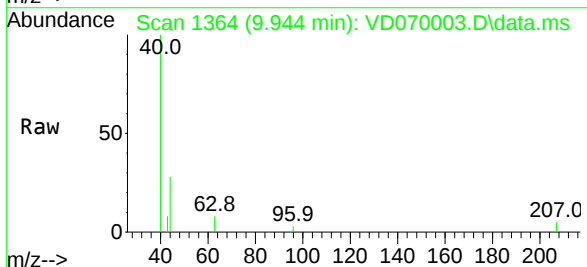
Instrument :
MSVOA_D
ClientSampled :

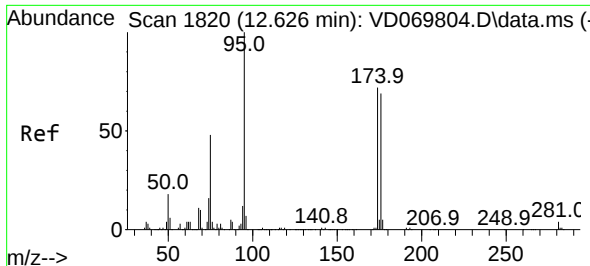
Tgt Ion: 69 Resp: 300
Ion Ratio Lower Upper
69 100
41 111.7 50.2 75.2#
39 43.0 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.944 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

Tgt Ion: 63 Resp: 317
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

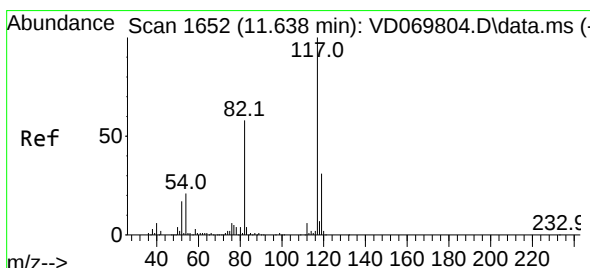
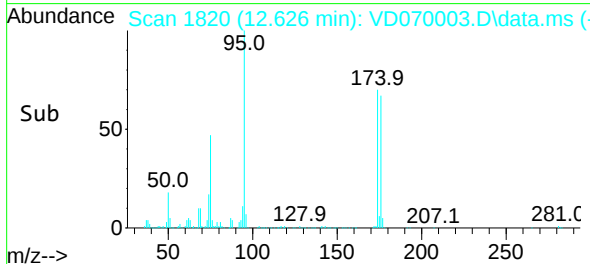
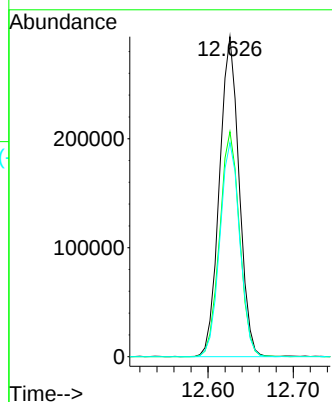
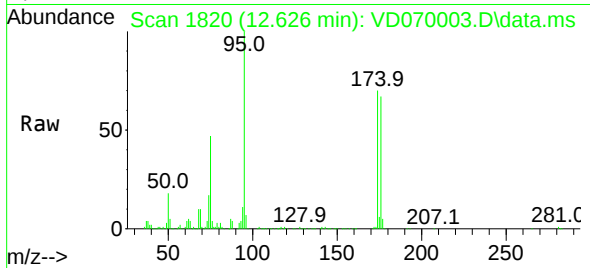




#62
4-Bromofluorobenzene
Concen: 46.048 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

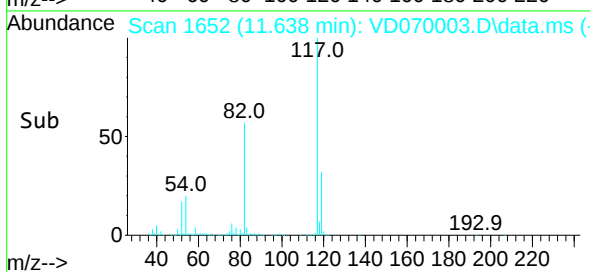
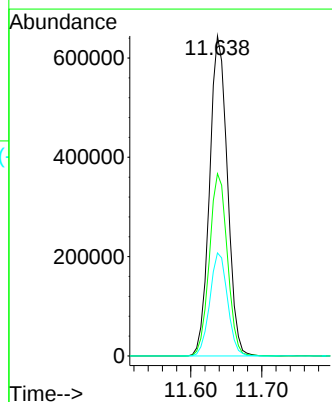
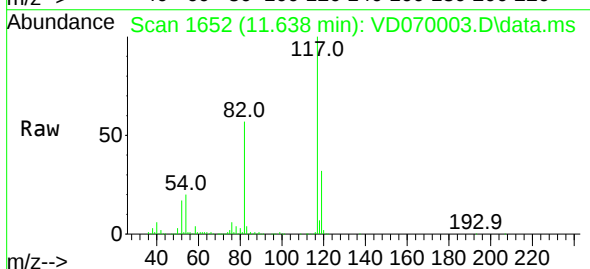
Instrument :
MSVOA_D
ClientSampleId :

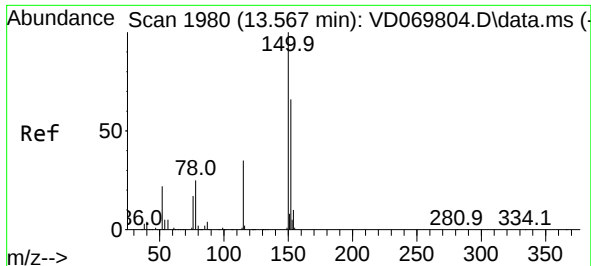
Tgt Ion: 95 Resp: 471868
Ion Ratio Lower Upper
95 100
174 71.0 0.0 142.6
176 67.9 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

Tgt Ion: 117 Resp: 1120920
Ion Ratio Lower Upper
117 100
82 56.9 46.3 69.5
119 32.2 24.7 37.1

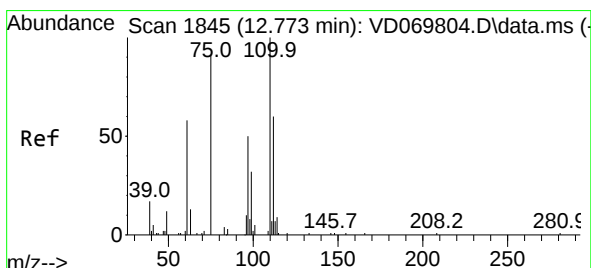
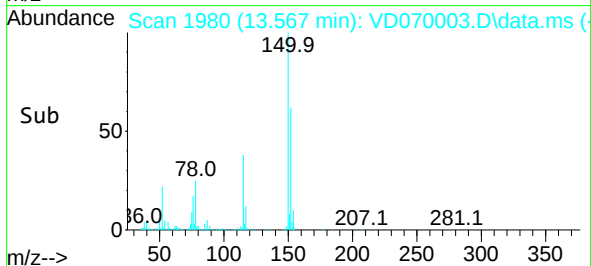
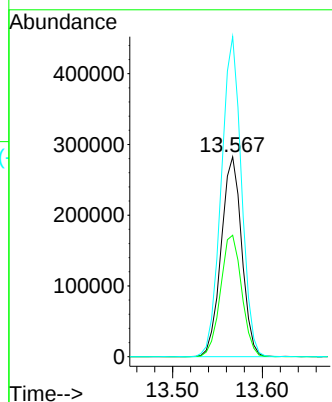
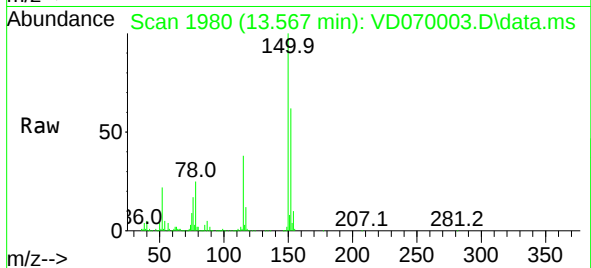




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

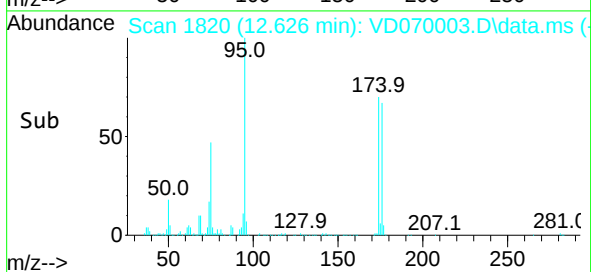
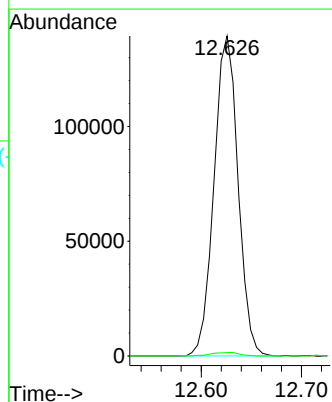
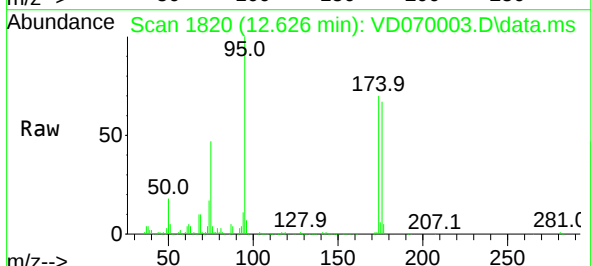
Instrument :
MSVOA_D
ClientSampled :

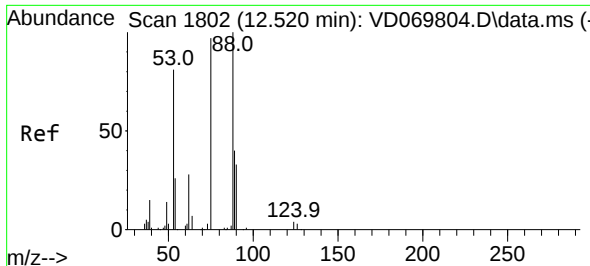
Tgt Ion:152 Resp: 449226
Ion Ratio Lower Upper
152 100
115 62.7 31.1 93.3
150 157.5 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 48.531 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

Tgt Ion: 75 Resp: 231732
Ion Ratio Lower Upper
75 100
77 1.3 181.5 544.5#

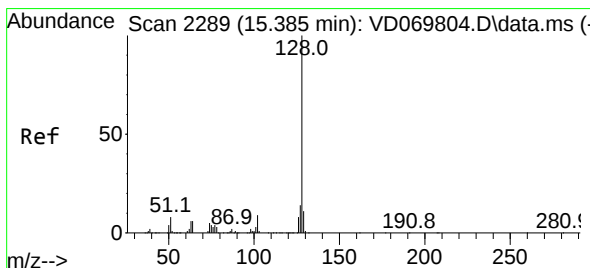
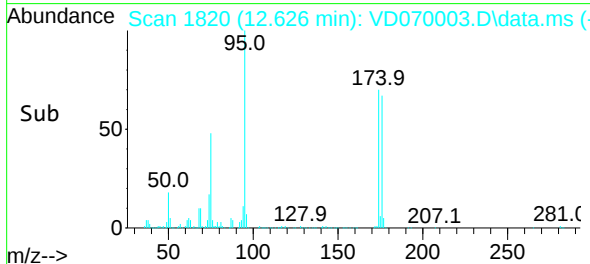
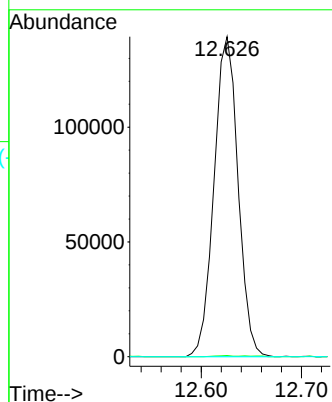
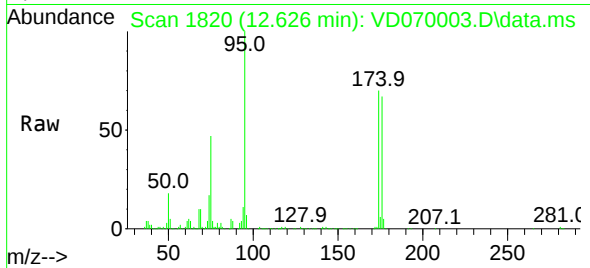




#81
trans-1,4-Dichloro-2-butene
Concen: 147.230 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 231732
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.090 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD070003.D
Acq: 09 Aug 2021 18:24

Tgt Ion:128 Resp: 1496
Ion Ratio Lower Upper
128 100
127 4.0 10.6 16.0#
129 9.3 8.6 12.8

