

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102721\
 Data File : VD070878.D
 Acq On : 27 Oct 2021 23:20
 Operator : VA/SY
 Sample : VD1026SBL02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Oct 28 04:03:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

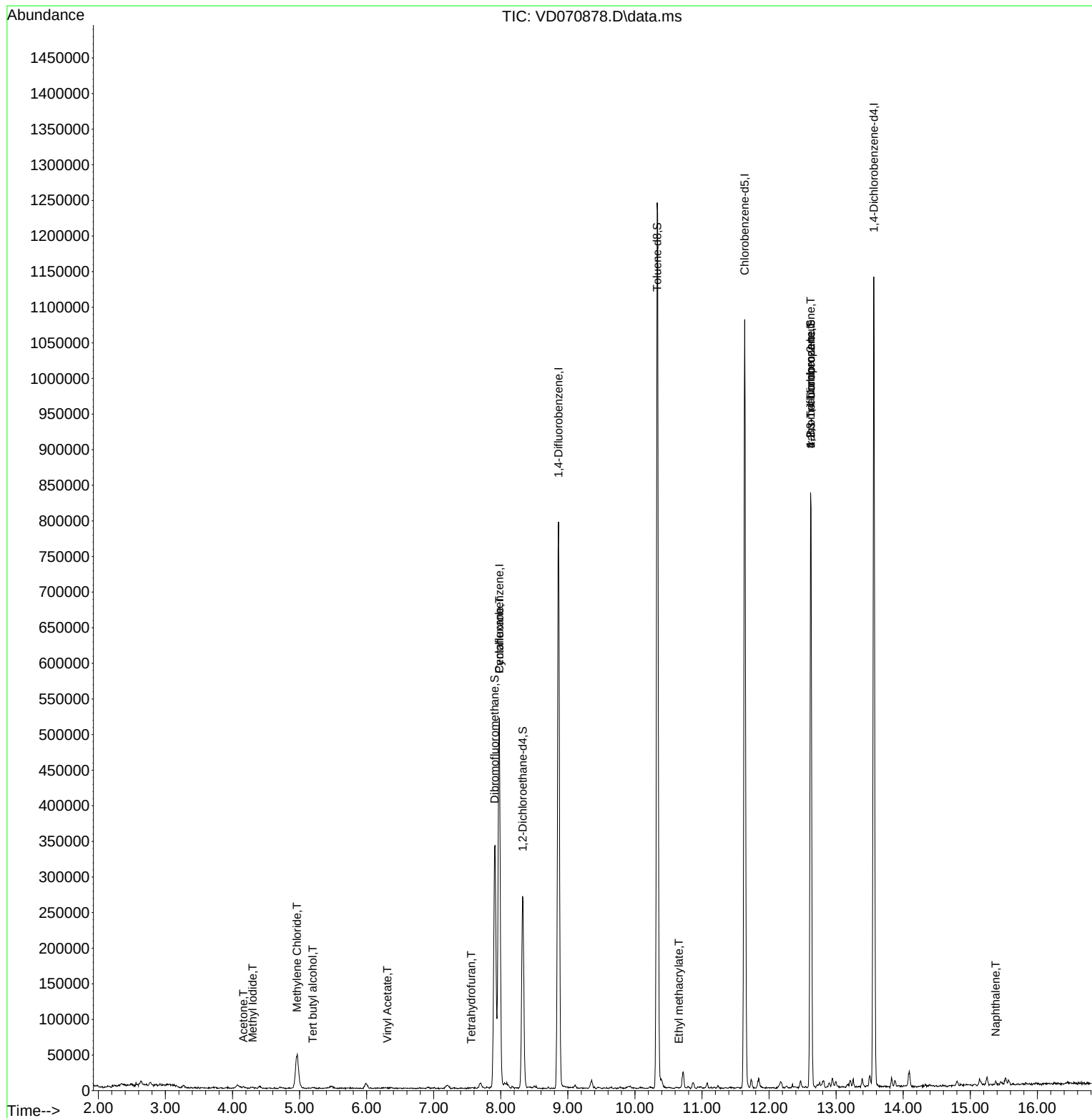
Internal Standards						
1) Pentafluorobenzene	7.979	168	427830	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	747016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	696257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	332138	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	205706	47.806	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.620%		
35) Dibromofluoromethane	7.908	113	255157	51.804	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.600%		
50) Toluene-d8	10.332	98	908724	49.040	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	98.080%		
62) 4-Bromofluorobenzene	12.620	95	291734	47.716	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	95.440%		
Target Compounds						
5) Bromomethane	2.779	94	3132	Below Cal	#	65
10) Methyl Iodide	4.303	142	1235	3.831	ug/l #	89
11) Tert butyl alcohol	5.197	59	316	1.382	ug/l #	71
16) Acetone	4.161	43	2710	2.707	ug/l #	58
20) Methylene Chloride	4.961	84	41463	2.104	ug/l #	78
23) Vinyl Acetate	6.308	43	588	14.493	ug/l #	72
29) Tetrahydrofuran	7.561	42	909	1.221	ug/l #	39
31) Cyclohexane	7.979	56	10112	1.153	ug/l #	1
56) Ethyl methacrylate	10.655	69	259	2.889	ug/l #	28
76) 1,2,3-Trichloropropane	12.620	75	120582	36.880	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	120582	96.796	ug/l #	18
95) Naphthalene	15.379	128	4616	4.530	ug/l #	93

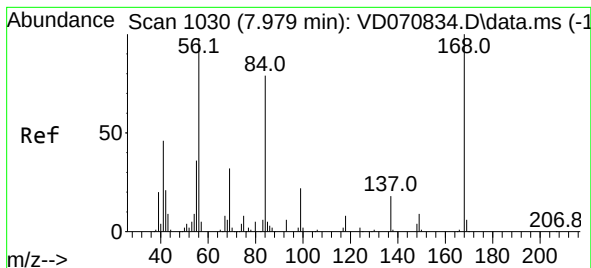
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 27 05:34:47 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: VD070878.D

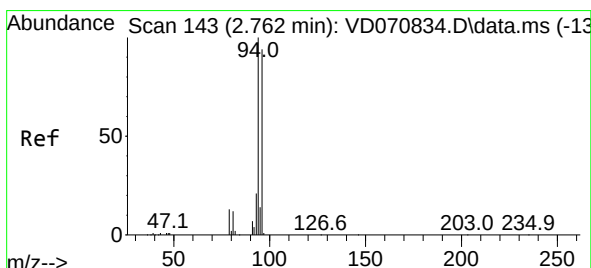
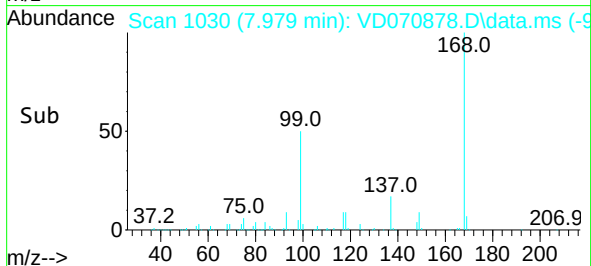
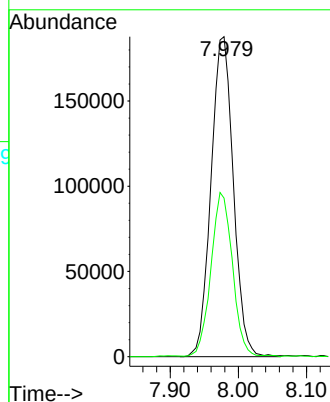
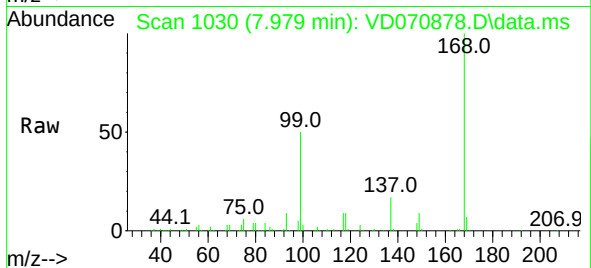
Acq: 27 Oct 2021 23:20

Tgt Ion:168 Resp: 427830

Ion Ratio Lower Upper

168 100

99 49.6 46.6 69.8



#5

Bromomethane

Concen: Below Cal

RT: 2.779 min Scan# 146

Delta R.T. 0.017 min

Lab File: VD070878.D

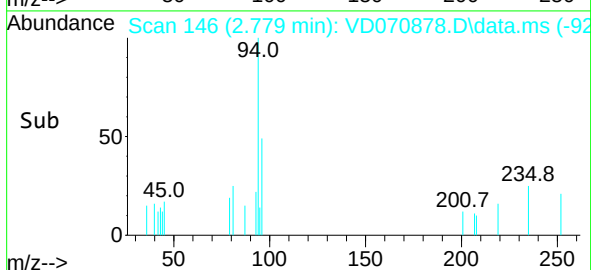
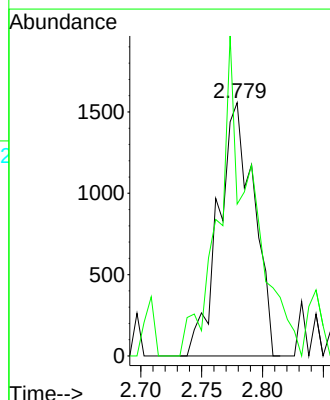
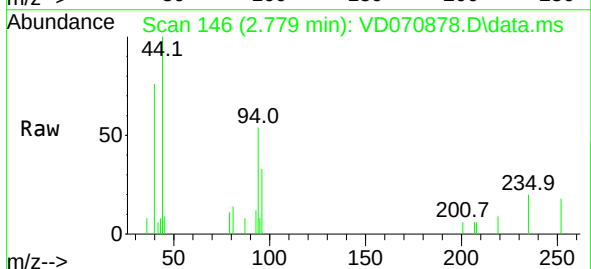
Acq: 27 Oct 2021 23:20

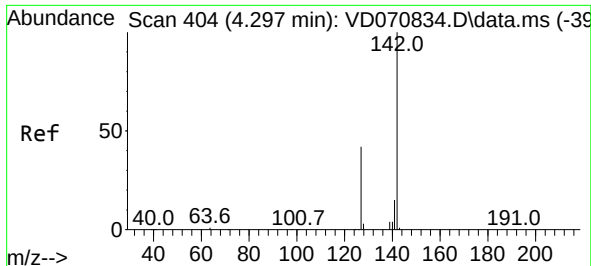
Tgt Ion: 94 Resp: 3132

Ion Ratio Lower Upper

94 100

96 59.9 74.8 112.2#

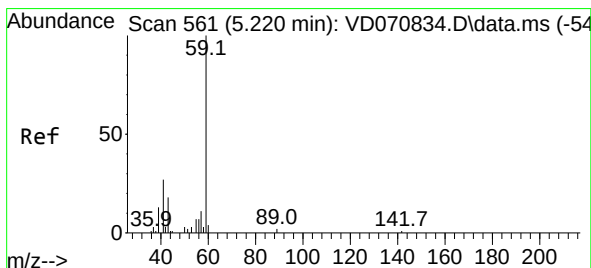
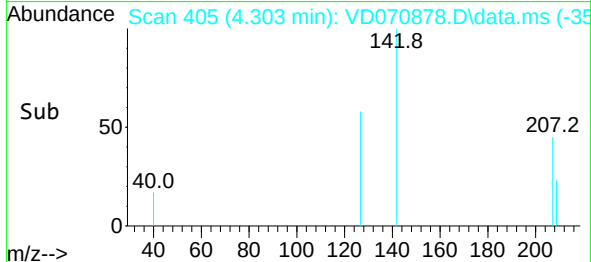
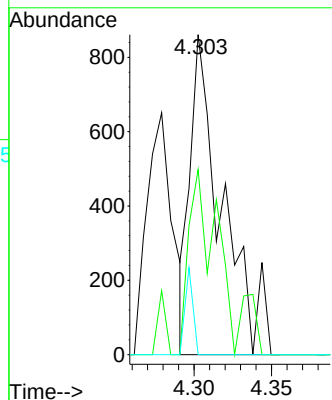
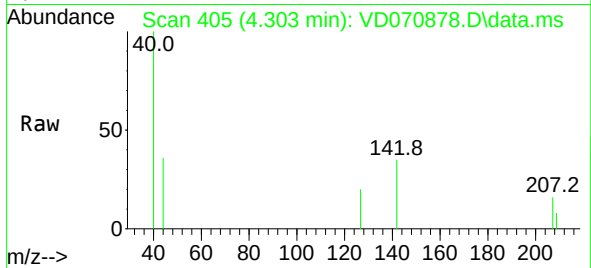




#10
Methyl Iodide
Concen: 3.831 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD070878.D
Acq: 27 Oct 2021 23:20

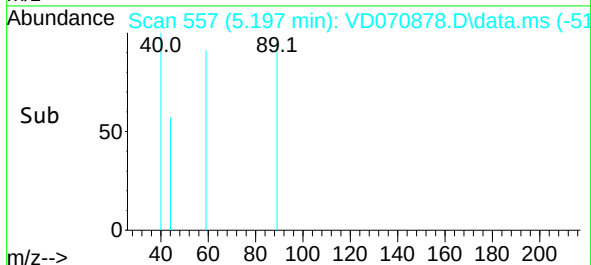
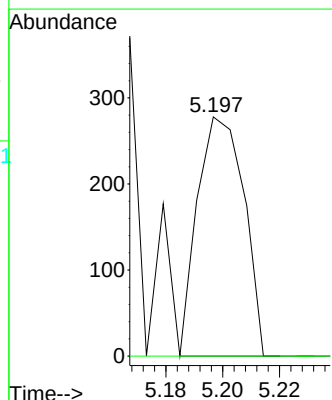
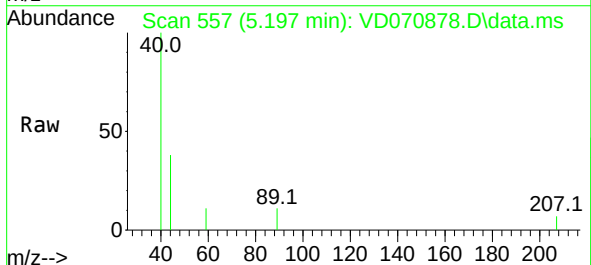
Instrument :
MSVOA_D
ClientSampled :

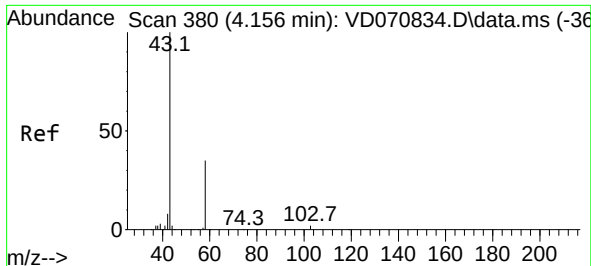
Tgt Ion:142 Resp: 1235
Ion Ratio Lower Upper
142 100
127 49.2 35.0 52.4
141 6.7 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.382 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.024 min
Lab File: VD070878.D
Acq: 27 Oct 2021 23:20

Tgt Ion: 59 Resp: 316
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

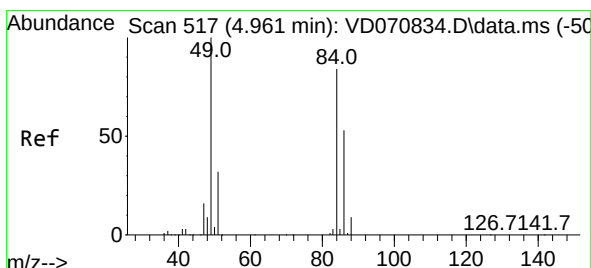
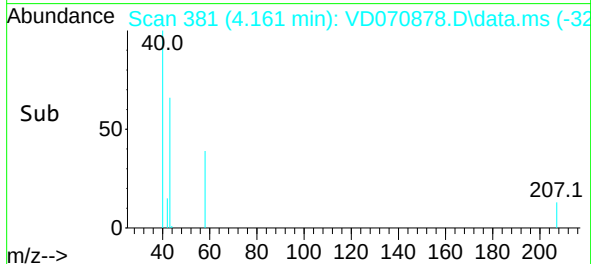
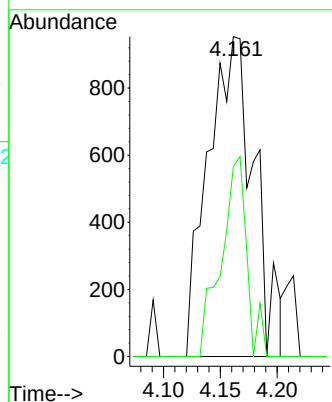
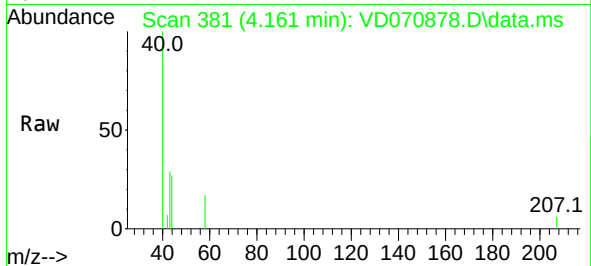




#16
Acetone
Concen: 2.707 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070878.D
Acq: 27 Oct 2021 23:20

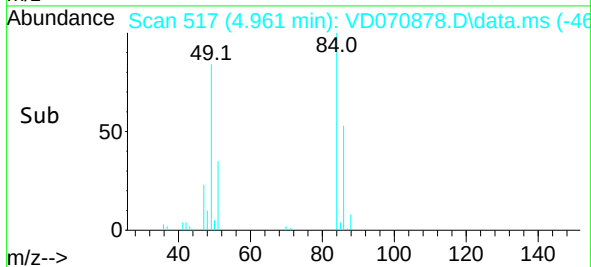
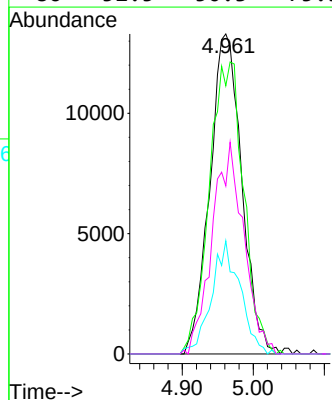
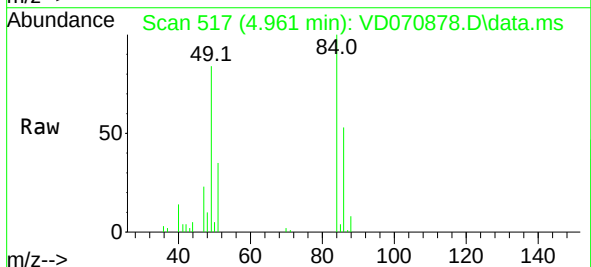
Instrument :
MSVOA_D
ClientSampled :

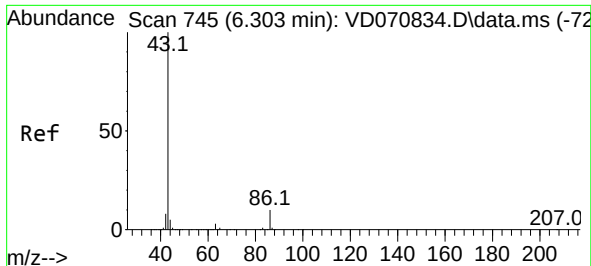
Tgt Ion: 43 Resp: 2710
Ion Ratio Lower Upper
43 100
58 59.4 27.8 41.8#



#20
Methylene Chloride
Concen: 2.104 ug/l
RT: 4.961 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD070878.D
Acq: 27 Oct 2021 23:20

Tgt Ion: 84 Resp: 41463
Ion Ratio Lower Upper
84 100
49 83.8 95.8 143.6#
51 35.4 30.9 46.3
86 52.5 50.3 75.5

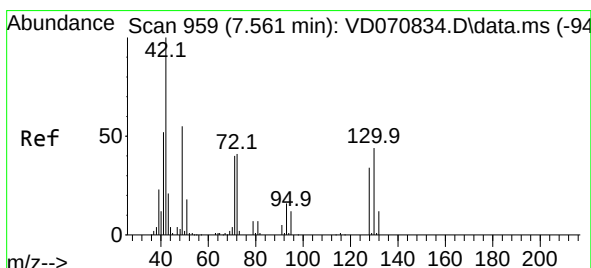
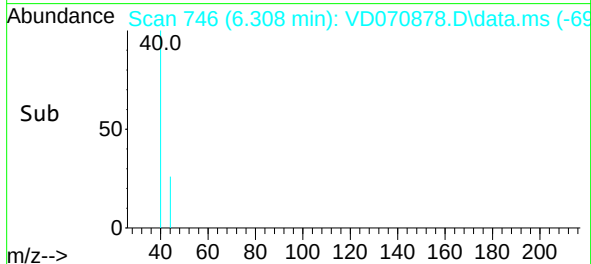
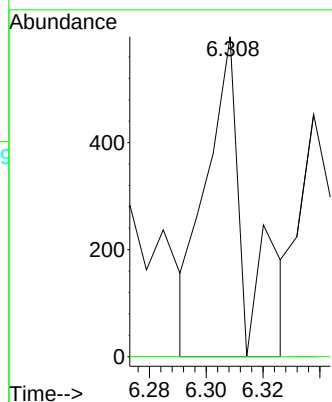
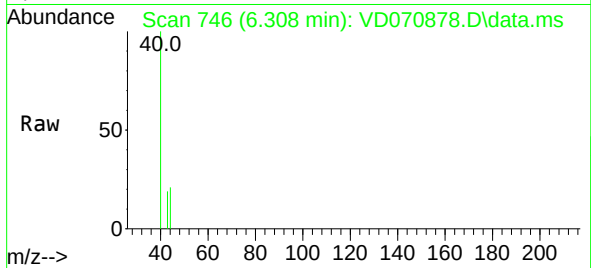




#23
 Vinyl Acetate
 Concen: 14.493 ug/l
 RT: 6.308 min Scan# 746
 Delta R.T. 0.005 min
 Lab File: VD070878.D
 Acq: 27 Oct 2021 23:20

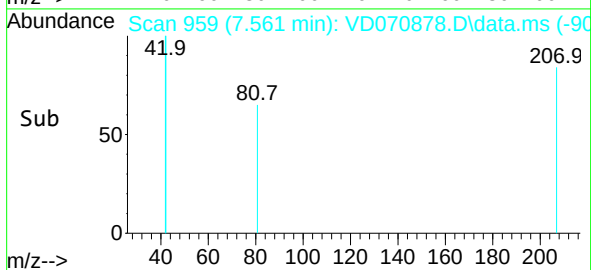
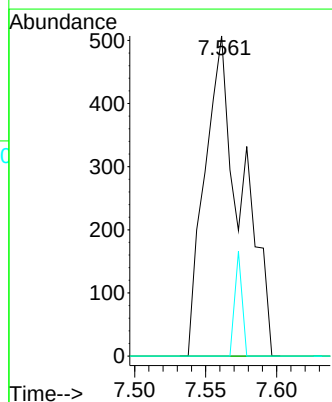
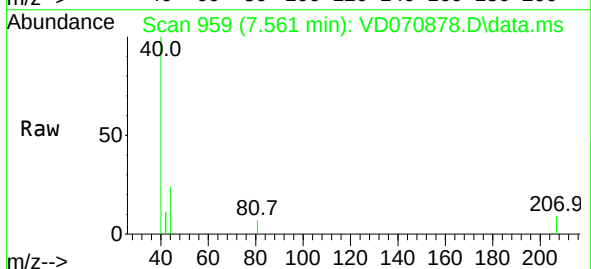
Instrument :
 MSVOA_D
 ClientSampled :

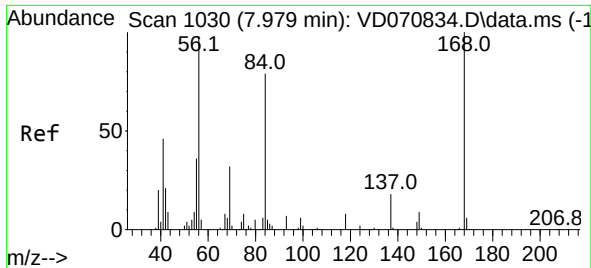
Tgt Ion: 43 Resp: 588
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#29
 Tetrahydrofuran
 Concen: 1.221 ug/l
 RT: 7.561 min Scan# 959
 Delta R.T. -0.000 min
 Lab File: VD070878.D
 Acq: 27 Oct 2021 23:20

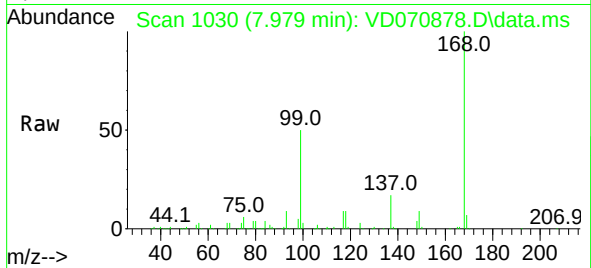
Tgt Ion: 42 Resp: 909
 Ion Ratio Lower Upper
 42 100
 72 0.0 33.7 50.5#
 71 6.5 32.7 49.1#



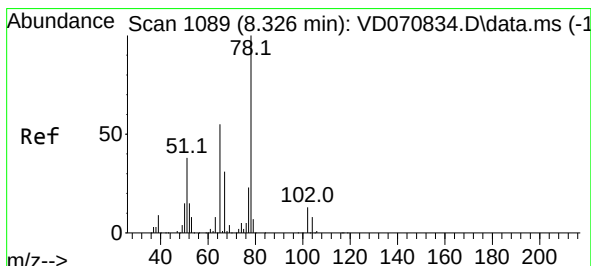
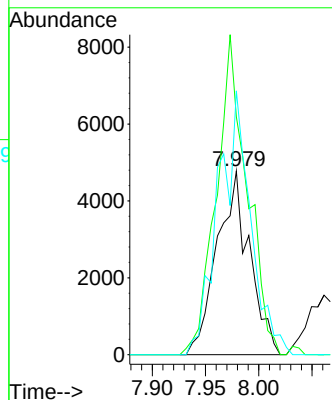
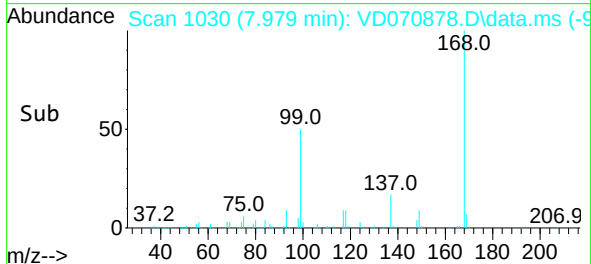


#31
Cyclohexane
Concen: 1.153 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070878.D
Acq: 27 Oct 2021 23:20

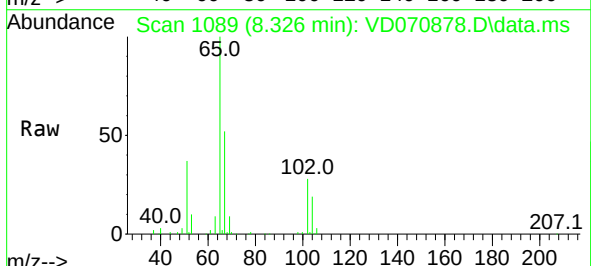
Instrument :
MSVOA_D
ClientSampled :



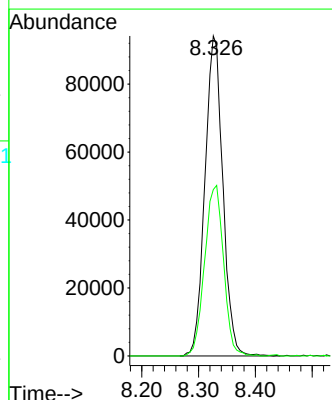
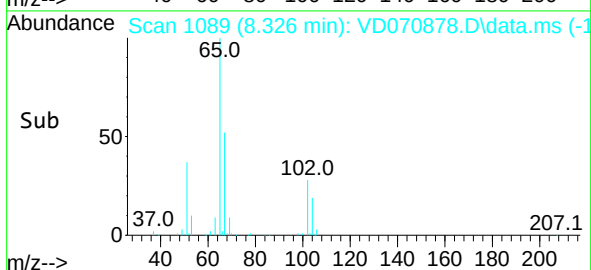
Tgt Ion: 56 Resp: 10112
Ion Ratio Lower Upper
56 100
69 129.6 25.9 38.9#
84 143.7 64.3 96.5#

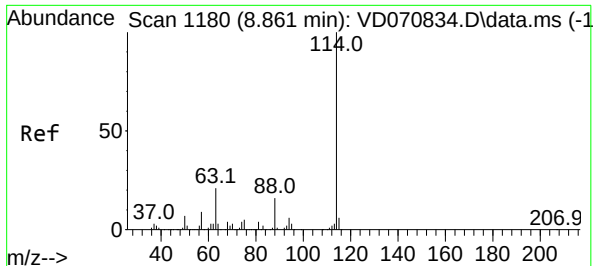


#33
1,2-Dichloroethane-d4
Concen: 47.806 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070878.D
Acq: 27 Oct 2021 23:20



Tgt Ion: 65 Resp: 205706
Ion Ratio Lower Upper
65 100
67 56.4 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070878.D

Acq: 27 Oct 2021 23:20

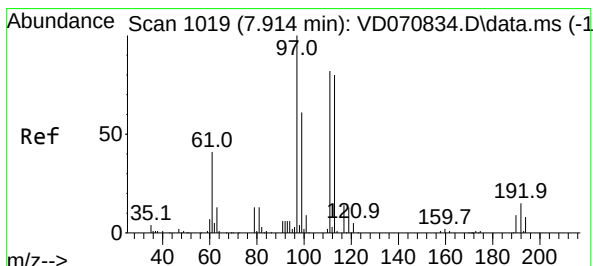
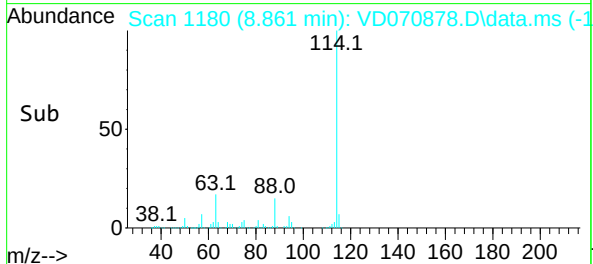
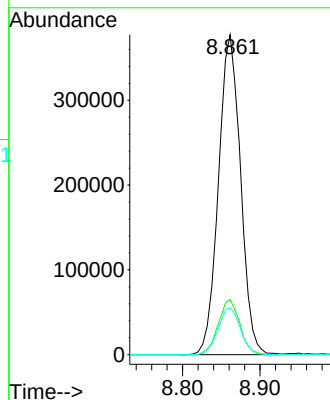
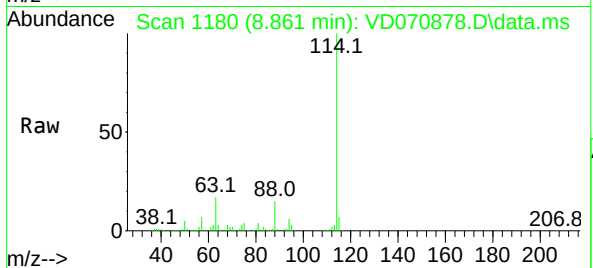
Tgt Ion:114 Resp: 747016

Ion Ratio Lower Upper

114 100

63 17.2 0.0 41.8

88 14.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.804 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070878.D

Acq: 27 Oct 2021 23:20

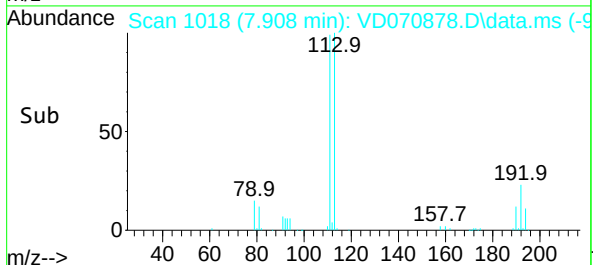
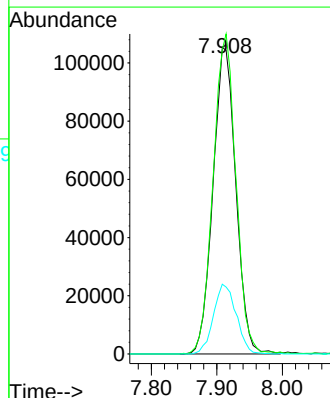
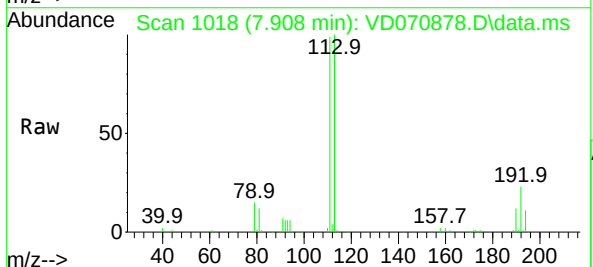
Tgt Ion:113 Resp: 255157

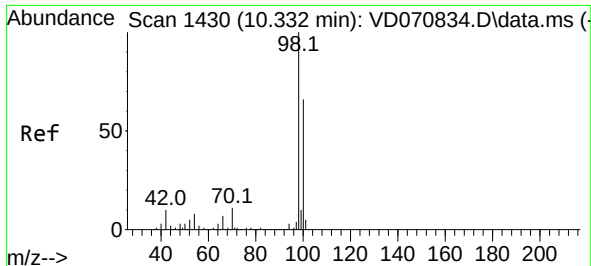
Ion Ratio Lower Upper

113 100

111 103.9 82.0 123.0

192 22.6 15.2 22.8

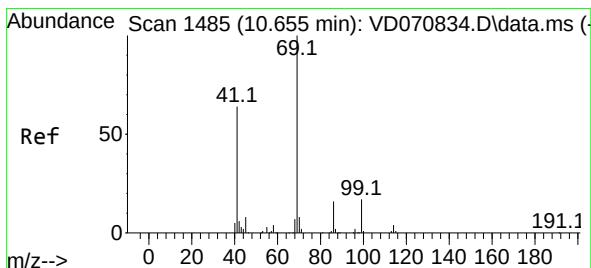
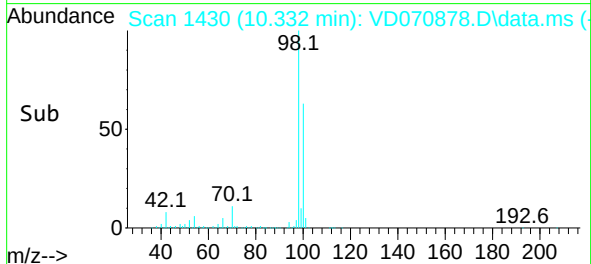
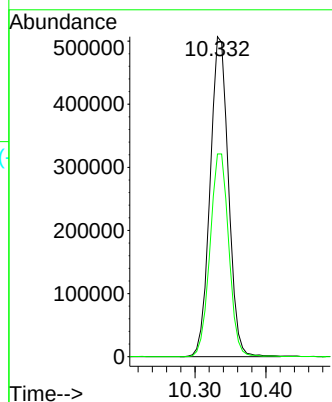
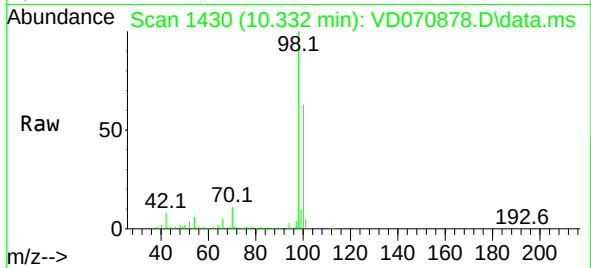




#50
Toluene-d8
Concen: 49.040 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD070878.D
Acq: 27 Oct 2021 23:20

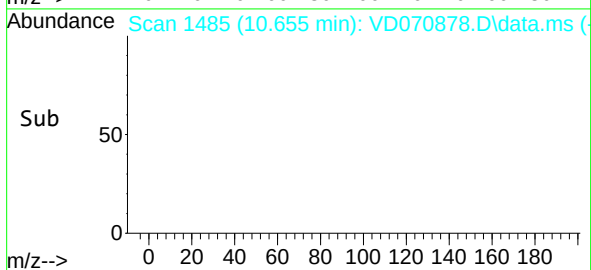
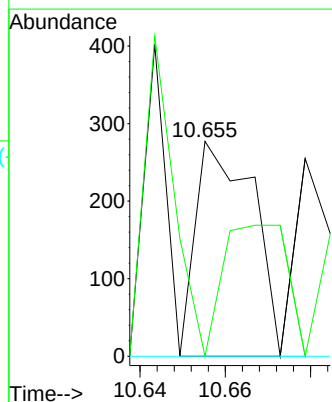
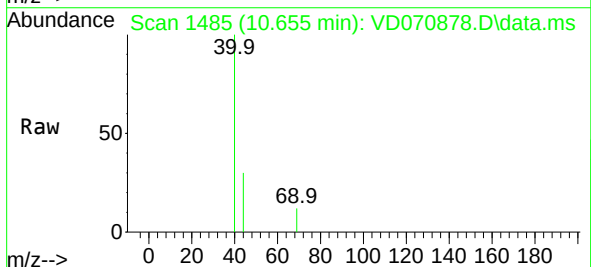
Instrument :
MSVOA_D
ClientSampled :

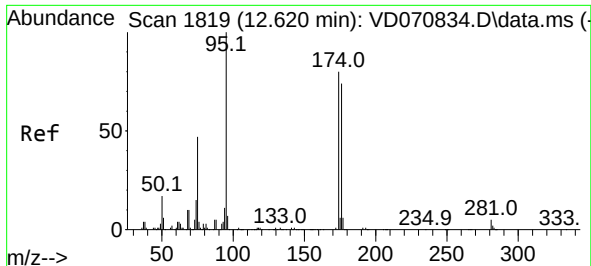
Tgt Ion: 98 Resp: 908724
Ion Ratio Lower Upper
98 100
100 64.8 51.8 77.6



#56
Ethyl methacrylate
Concen: 2.889 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD070878.D
Acq: 27 Oct 2021 23:20

Tgt Ion: 69 Resp: 259
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#

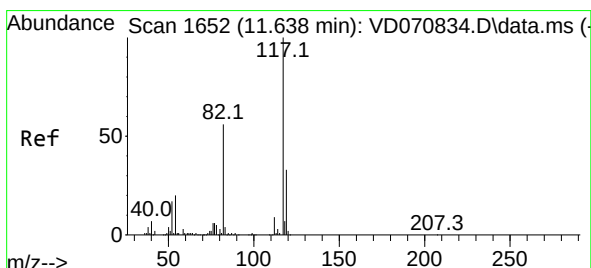
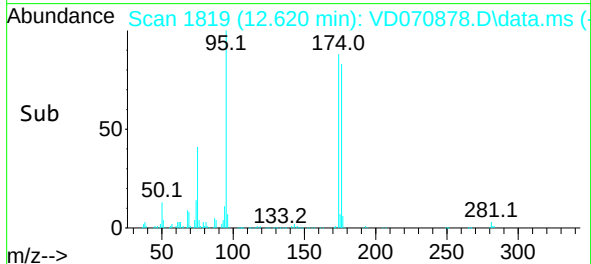
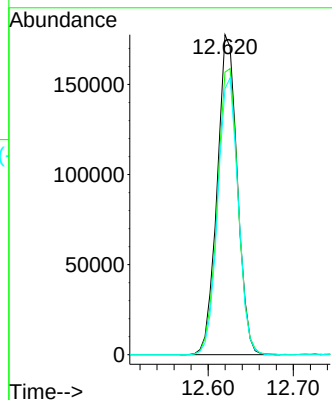
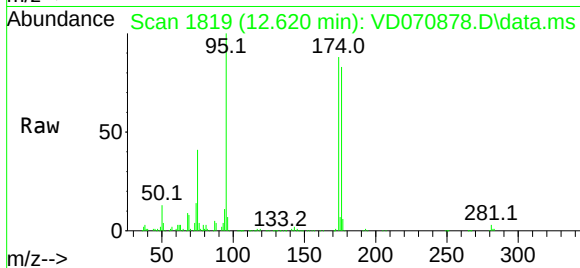




#62
4-Bromofluorobenzene
Concen: 47.716 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070878.D
Acq: 27 Oct 2021 23:20

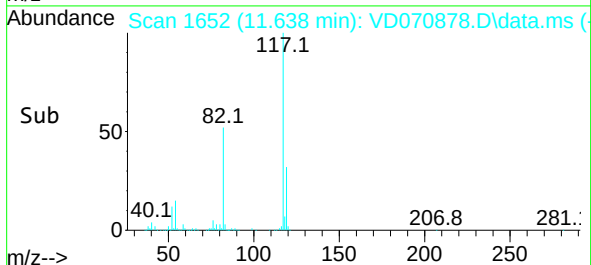
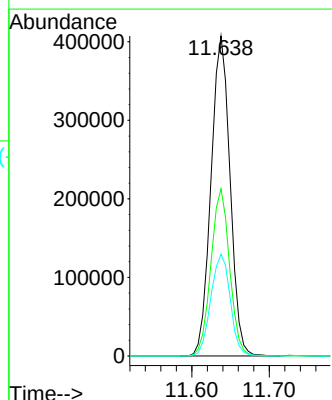
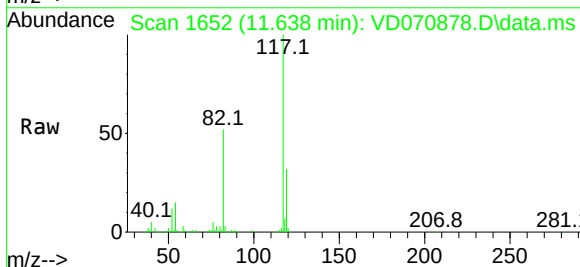
Instrument :
MSVOA_D
ClientSampleId :

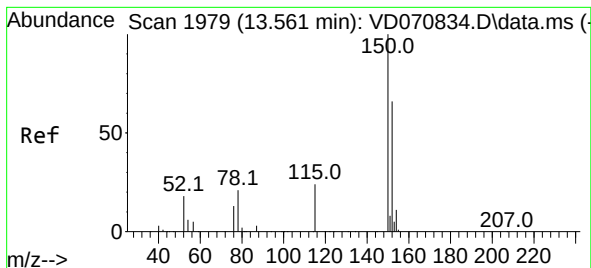
Tgt Ion: 95 Resp: 291734
Ion Ratio Lower Upper
95 100
174 92.2 0.0 159.4
176 87.5 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070878.D
Acq: 27 Oct 2021 23:20

Tgt Ion: 117 Resp: 696257
Ion Ratio Lower Upper
117 100
82 52.3 44.7 67.1
119 31.8 26.2 39.4

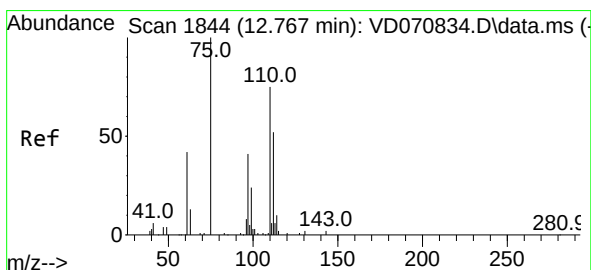
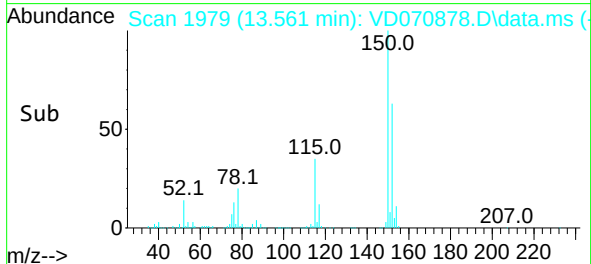
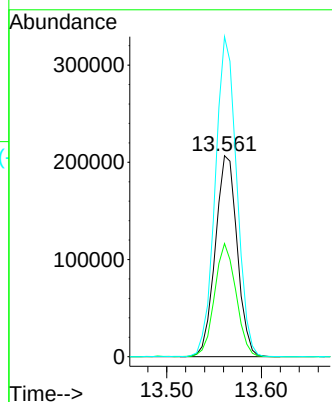
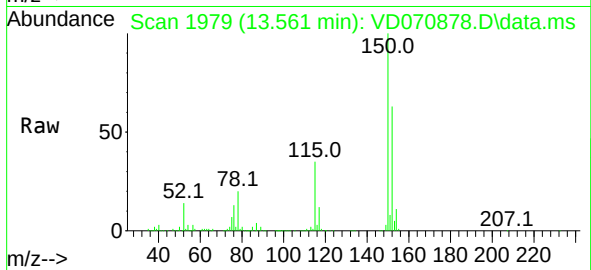




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VD070878.D
 Acq: 27 Oct 2021 23:20

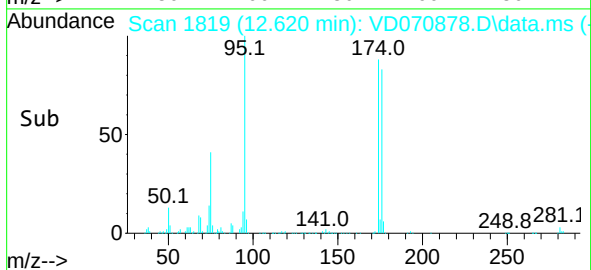
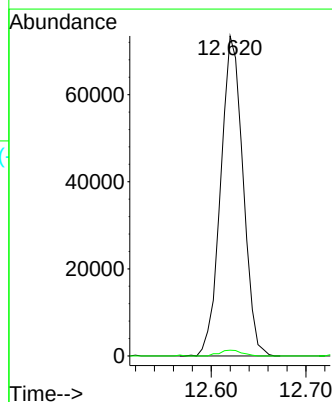
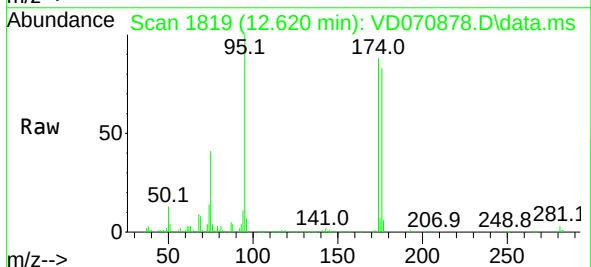
Instrument :
 MSVOA_D
 ClientSampleId :

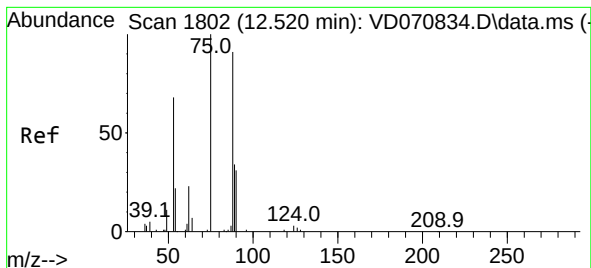
Tgt Ion:152 Resp: 332138
 Ion Ratio Lower Upper
 152 100
 115 55.2 29.8 89.3
 150 156.4 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 36.880 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD070878.D
 Acq: 27 Oct 2021 23:20

Tgt Ion: 75 Resp: 120582
 Ion Ratio Lower Upper
 75 100
 77 1.8 158.4 475.3#

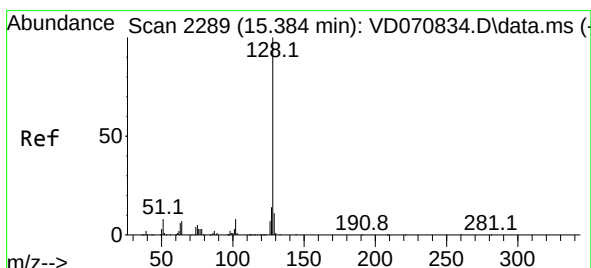
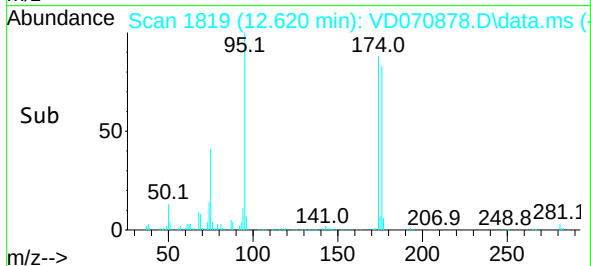
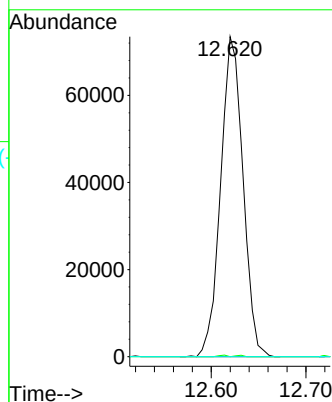
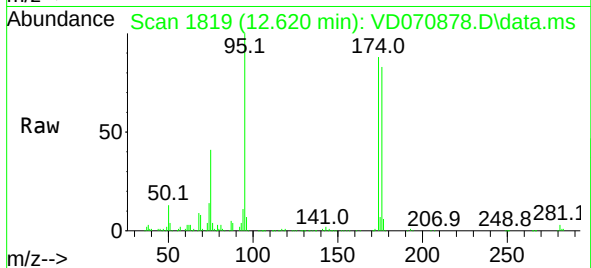




#81
trans-1,4-Dichloro-2-butene
Concen: 96.796 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070878.D
Acq: 27 Oct 2021 23:20

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 120582
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.0 34.5 51.7#



#95
Naphthalene
Concen: 4.530 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD070878.D
Acq: 27 Oct 2021 23:20

Tgt Ion:128 Resp: 4616
Ion Ratio Lower Upper
128 100
127 12.3 10.7 16.1
129 6.6 8.7 13.1#

