

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070036.D
 Acq On : 11 Aug 2021 21:21
 Operator : VA/SY
 Sample : M3331-11
 Misc : 6.12G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 05:33:21 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)

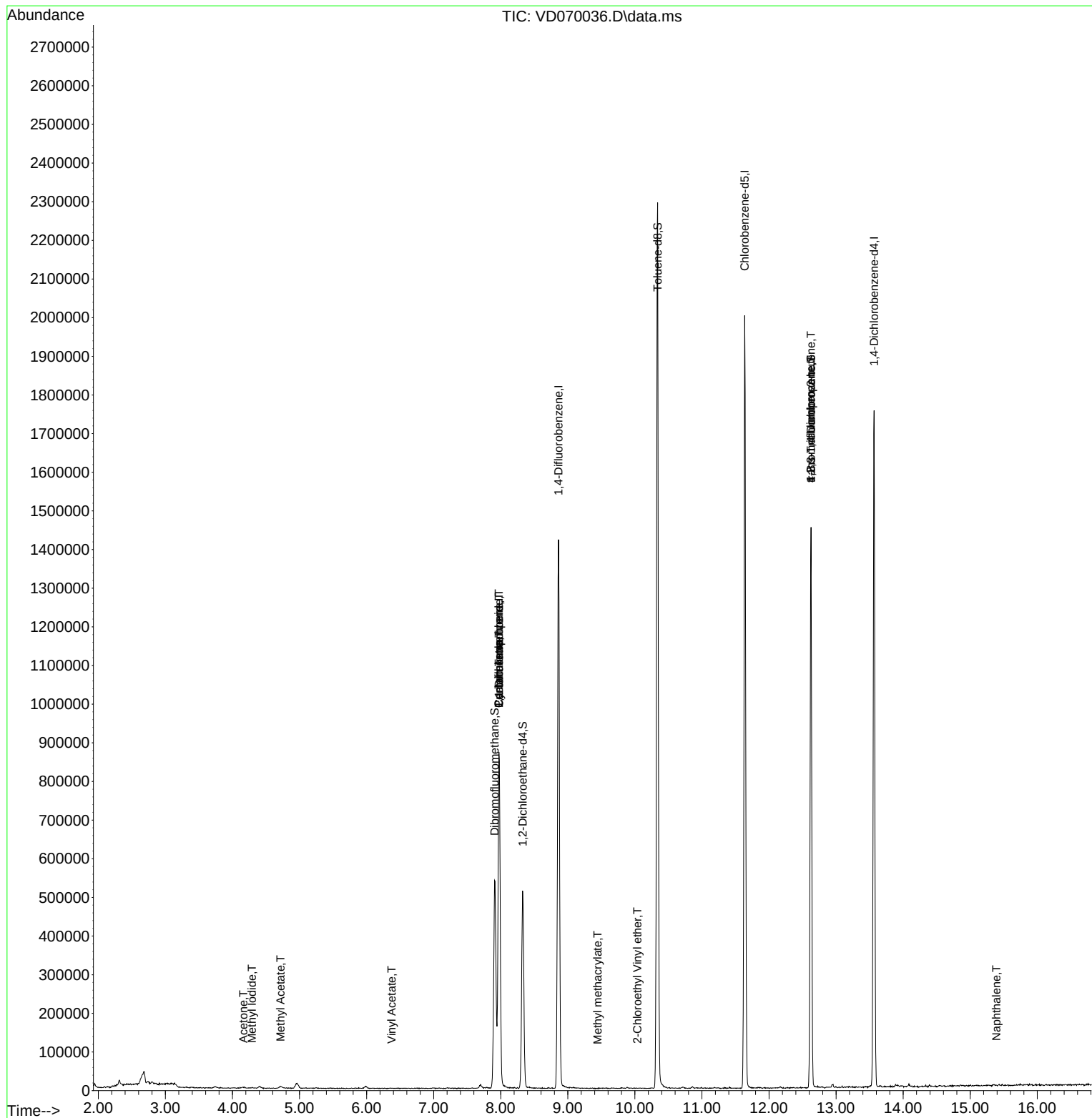
Internal Standards						
1) Pentafluorobenzene	7.973	168	617903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1218062	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1147507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	458816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	403507	56.780	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.560%			
35) Dibromofluoromethane	7.909	113	405137	52.761	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 105.520%			
50) Toluene-d8	10.338	98	1589146	53.672	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 107.340%			
62) 4-Bromofluorobenzene	12.626	95	478446	48.351	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.700%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.738	94	4859	Below Cal	#	54
10) Methyl Iodide	4.291	142	2329	3.745	ug/l #	76
16) Acetone	4.162	43	5913	4.606	ug/l	100
18) Methyl Acetate	4.715	43	10256	2.753	ug/l	94
20) Methylene Chloride	4.962	84	10559	Below Cal		96
23) Vinyl Acetate	6.373	43	55	20.353	ug/l #	71
31) Cyclohexane	7.973	56	13994	1.008	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	56265	4.280	ug/l #	48
38) Carbon Tetrachloride	7.973	117	69257	5.768	ug/l #	19
48) Methyl methacrylate	9.444	41	120	2.772	ug/l #	13
58) 2-Chloroethyl Vinyl ether	10.038	63	56	20.884	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	233420	47.863	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	233420	145.203	ug/l #	16
95) Naphthalene	15.390	128	313	5.017	ug/l #	69

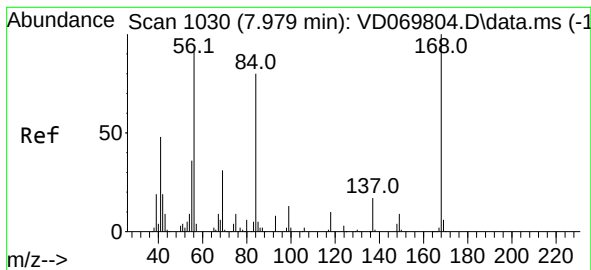
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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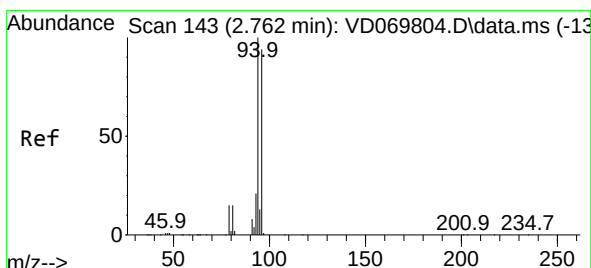
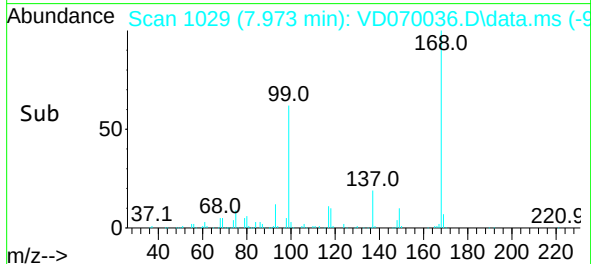
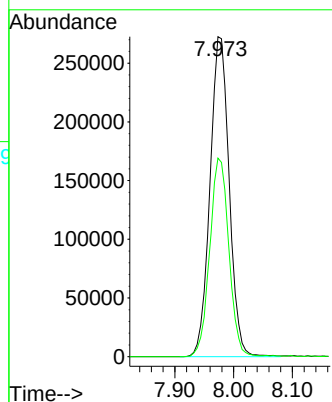
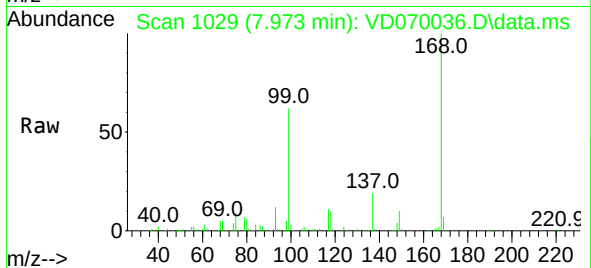




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

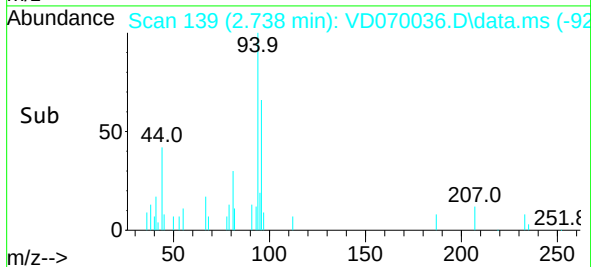
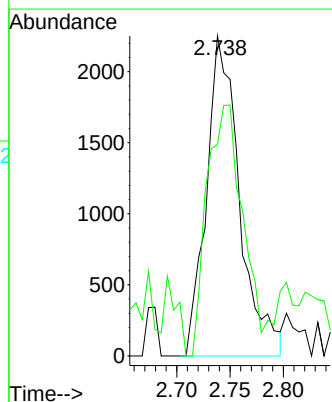
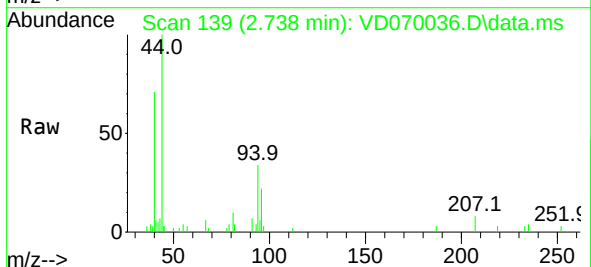
Instrument :
MSVOA_D
ClientSampled :

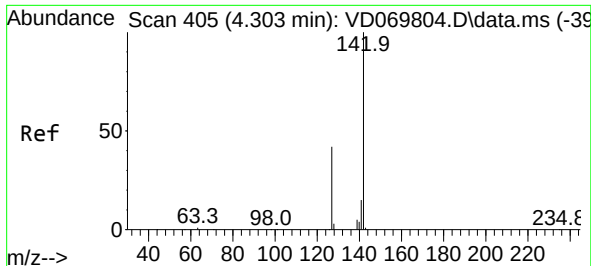
Tgt Ion:168 Resp: 617903
Ion Ratio Lower Upper
168 100
99 62.1 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.738 min Scan# 139
Delta R.T. -0.024 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

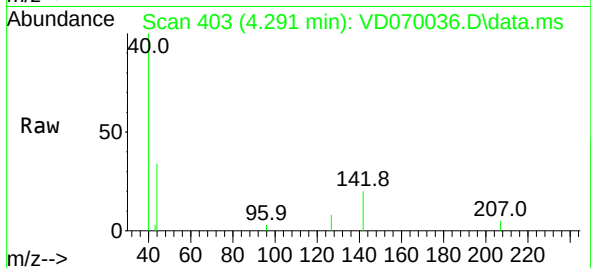
Tgt Ion: 94 Resp: 4859
Ion Ratio Lower Upper
94 100
96 49.4 74.8 112.2#



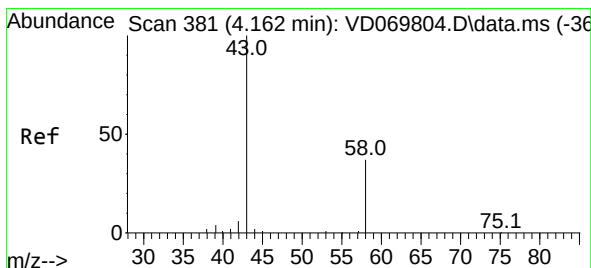
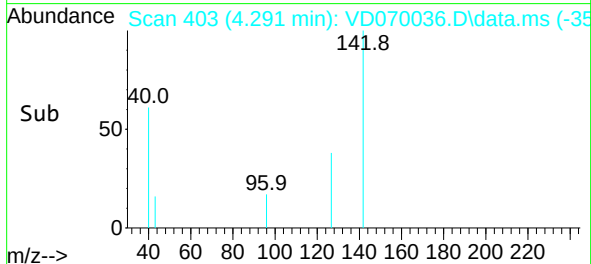
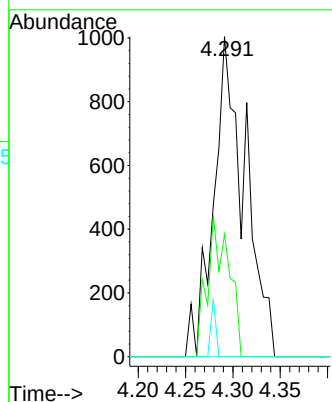


#10
Methyl Iodide
Concen: 3.745 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

Instrument :
MSVOA_D
ClientSampled :

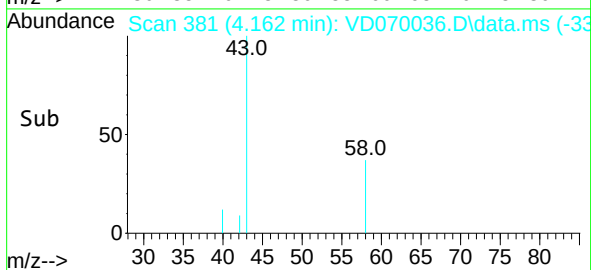
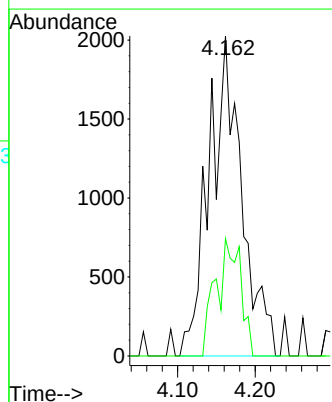
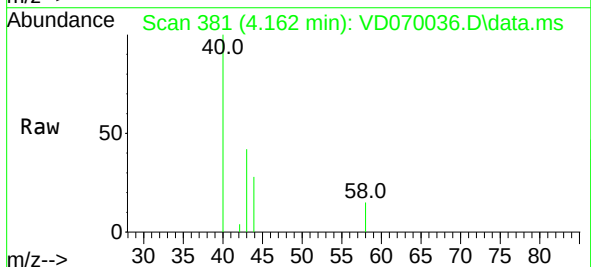


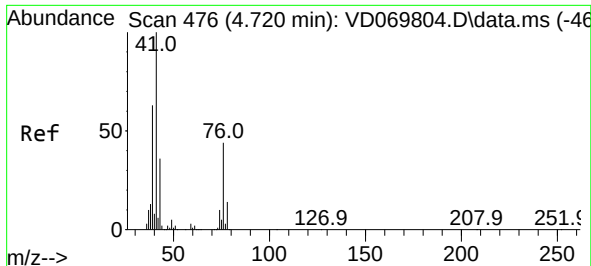
Tgt Ion:142 Resp: 2329
Ion Ratio Lower Upper
142 100
127 30.0 35.7 53.5#
141 2.7 12.0 18.0#



#16
Acetone
Concen: 4.606 ug/l
RT: 4.162 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

Tgt Ion: 43 Resp: 5913
Ion Ratio Lower Upper
43 100
58 36.7 29.4 44.0

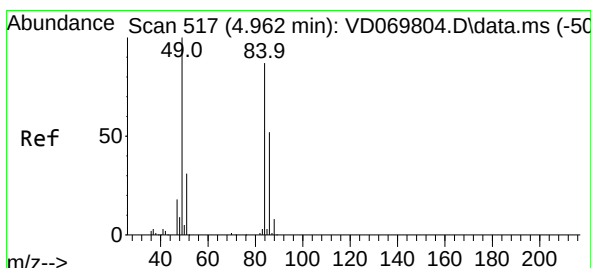
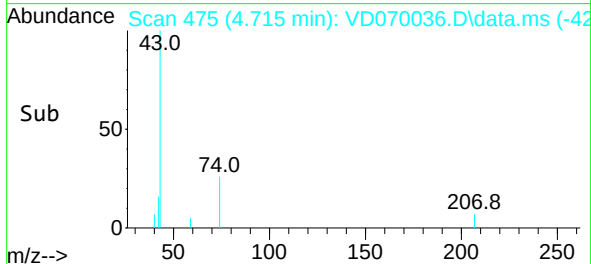
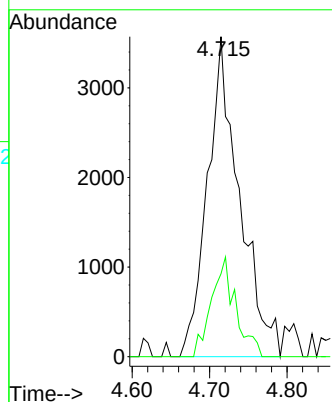
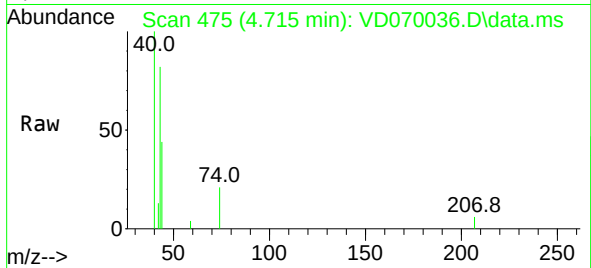




#18
Methyl Acetate
Concen: 2.753 ug/l
RT: 4.715 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

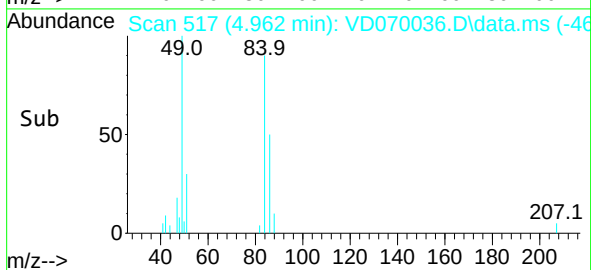
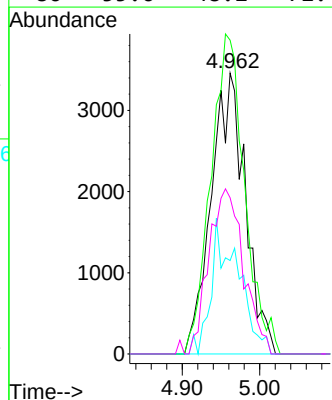
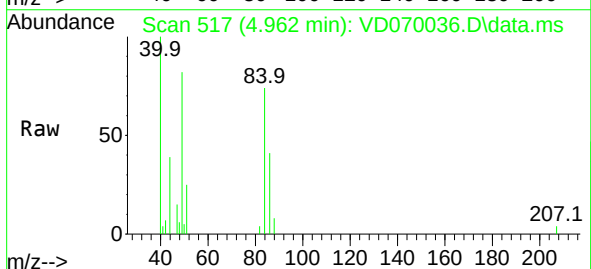
Instrument :
MSVOA_D
ClientSampled :

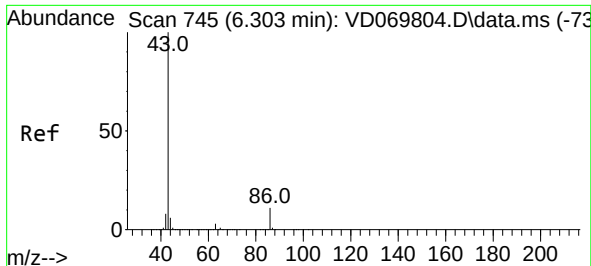
Tgt Ion: 43 Resp: 10256
Ion Ratio Lower Upper
43 100
74 23.6 21.4 32.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

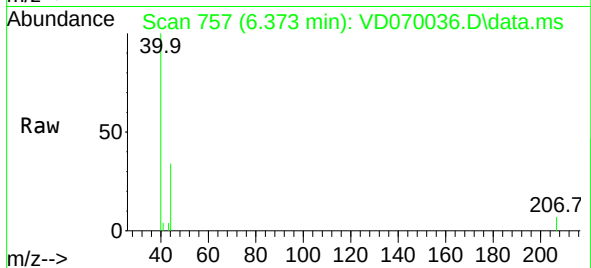
Tgt Ion: 84 Resp: 10559
Ion Ratio Lower Upper
84 100
49 111.7 92.4 138.6
51 33.3 28.5 42.7
86 55.6 48.2 72.4



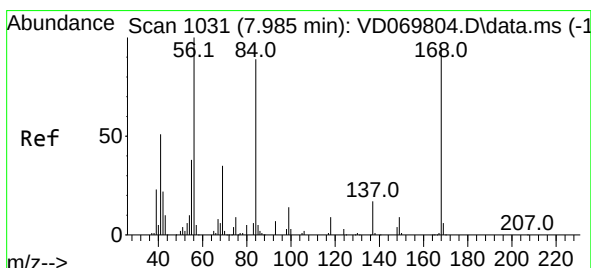
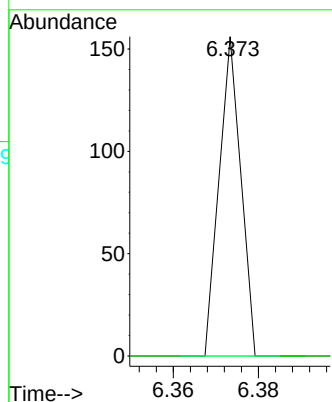
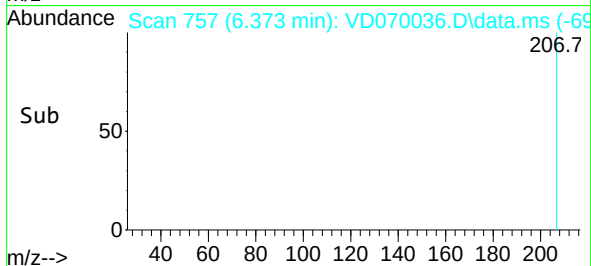


#23
 Vinyl Acetate
 Concen: 20.353 ug/l
 RT: 6.373 min Scan# 757
 Delta R.T. 0.070 min
 Lab File: VD070036.D
 Acq: 11 Aug 2021 21:21

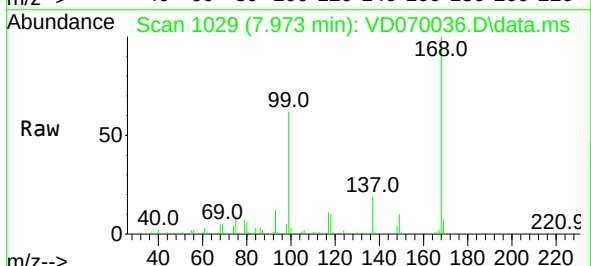
Instrument :
 MSVOA_D
 ClientSampled :



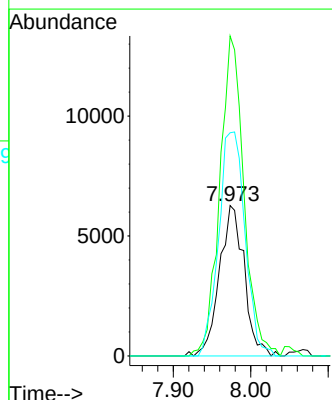
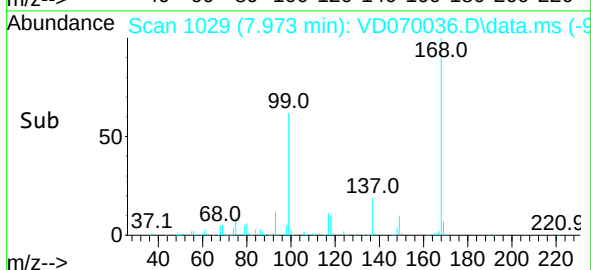
Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#

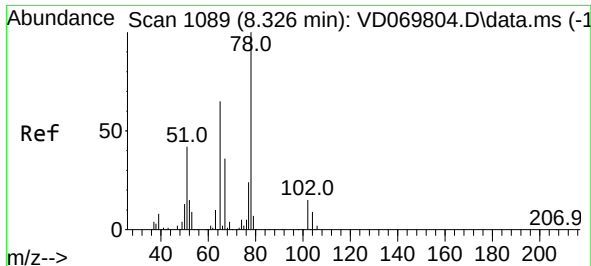


#31
 Cyclohexane
 Concen: 1.008 ug/l
 RT: 7.973 min Scan# 1029
 Delta R.T. -0.012 min
 Lab File: VD070036.D
 Acq: 11 Aug 2021 21:21



Tgt Ion: 56 Resp: 13994
 Ion Ratio Lower Upper
 56 100
 69 212.8 27.9 41.9#
 84 148.4 71.4 107.2#



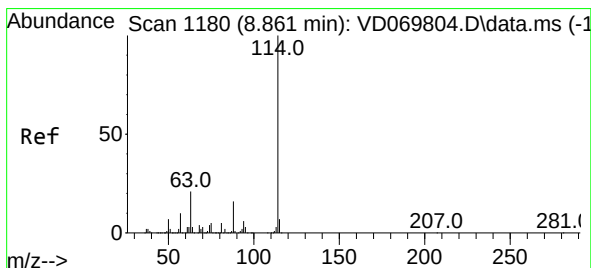
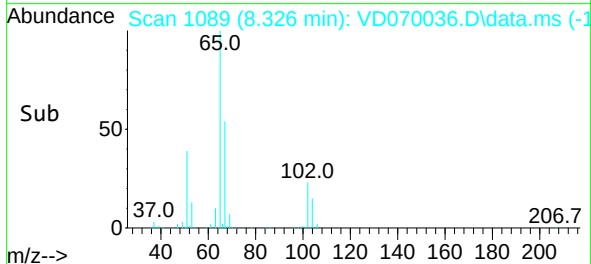
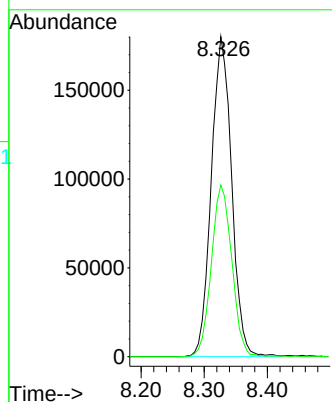
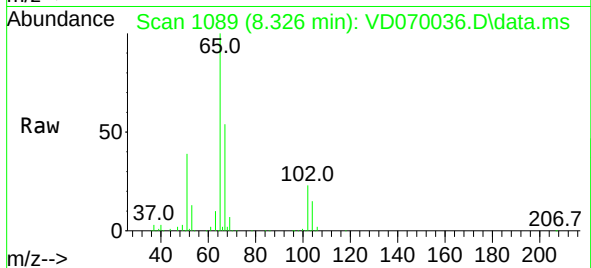


#33

1,2-Dichloroethane-d4
Concen: 56.780 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

Instrument :
MSVOA_D
ClientSampled :

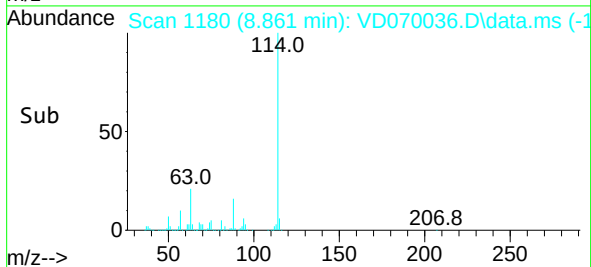
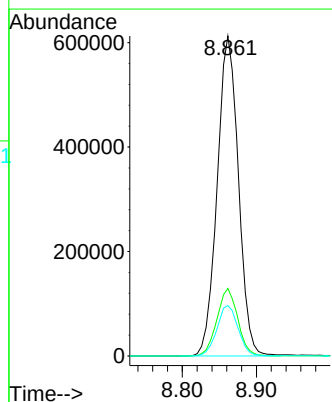
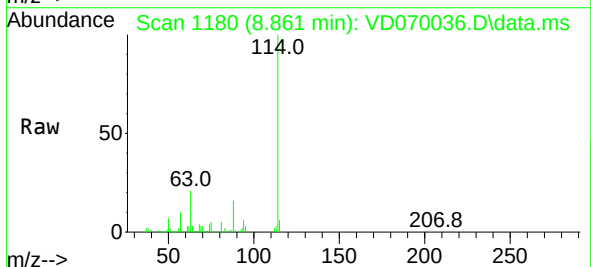
Tgt Ion: 65 Resp: 403507
Ion Ratio Lower Upper
65 100
67 54.0 0.0 111.2

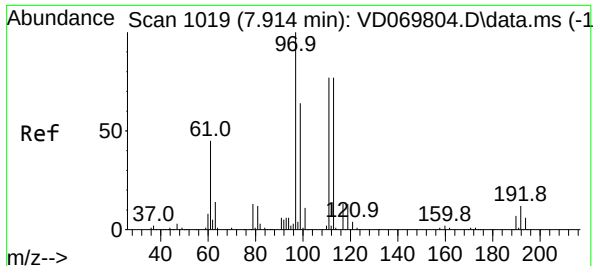


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

Tgt Ion: 114 Resp: 1218062
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.6
88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.761 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD070036.D

Acq: 11 Aug 2021 21:21

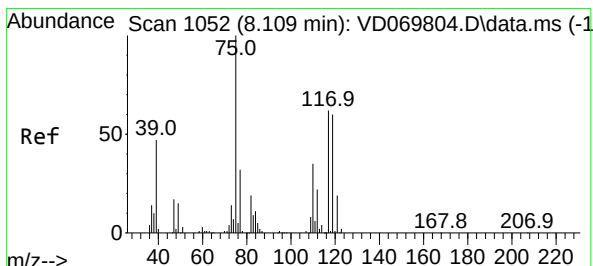
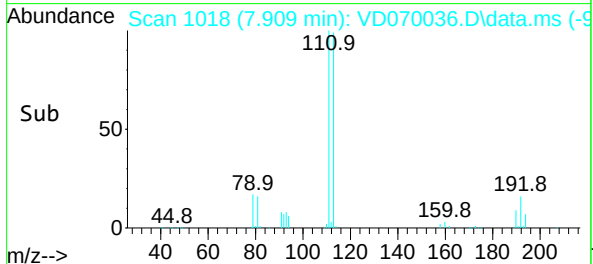
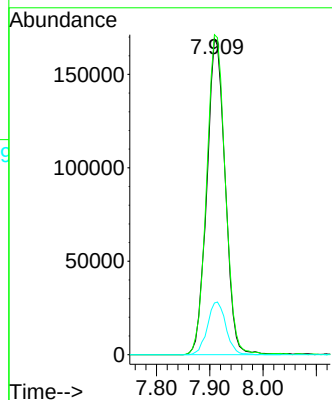
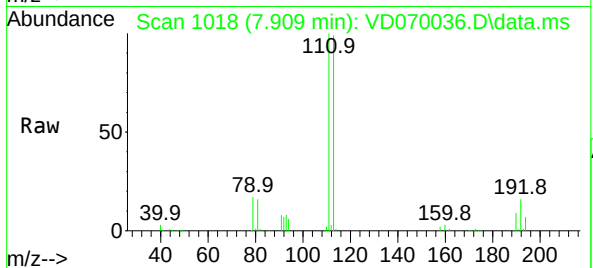
Tgt Ion:113 Resp: 405137

Ion Ratio Lower Upper

113 100

111 102.9 80.5 120.7

192 16.8 12.6 19.0



#36

1,1-Dichloropropene

Concen: 4.280 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070036.D

Acq: 11 Aug 2021 21:21

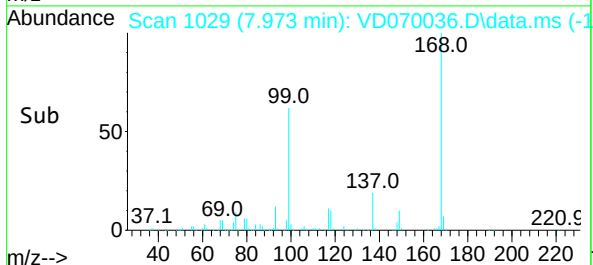
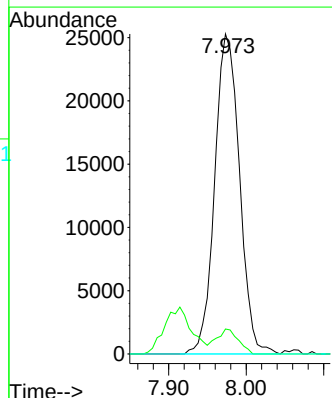
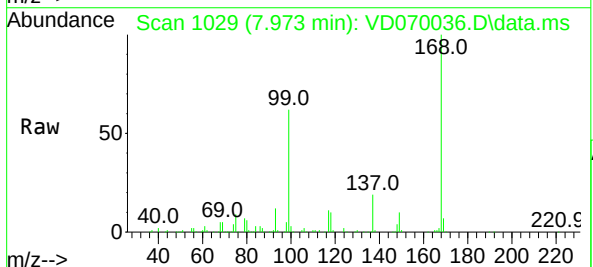
Tgt Ion: 75 Resp: 56265

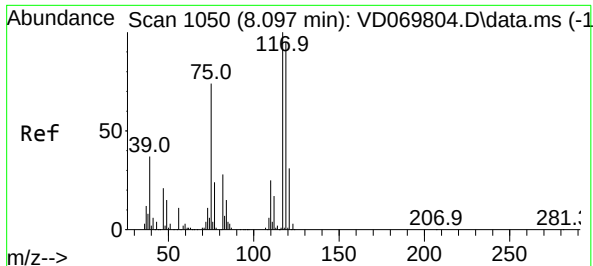
Ion Ratio Lower Upper

75 100

110 6.9 16.9 50.7#

77 0.0 24.9 37.3#

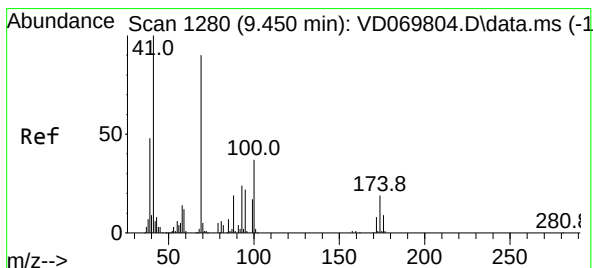
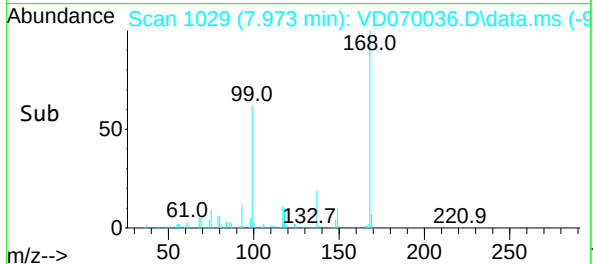
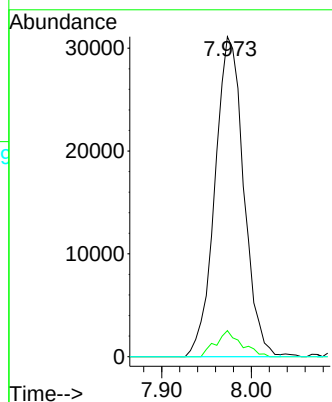
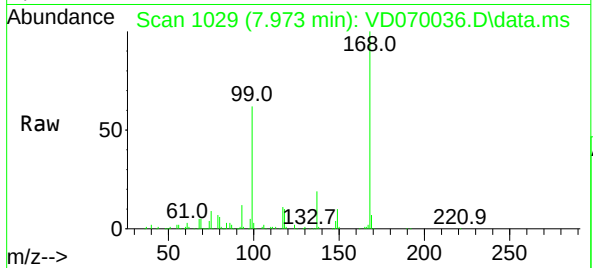




#38
Carbon Tetrachloride
Concen: 5.768 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

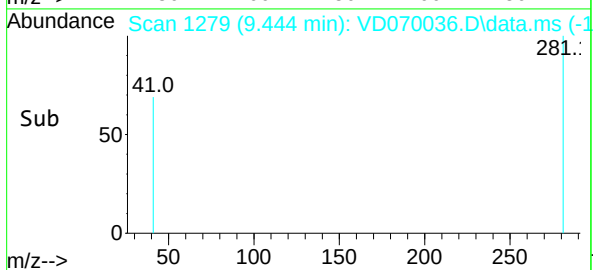
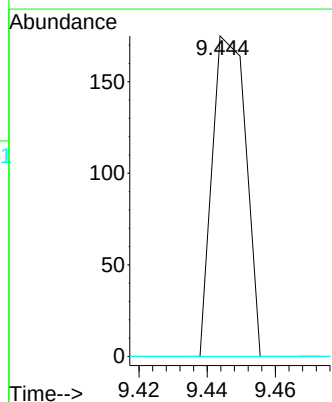
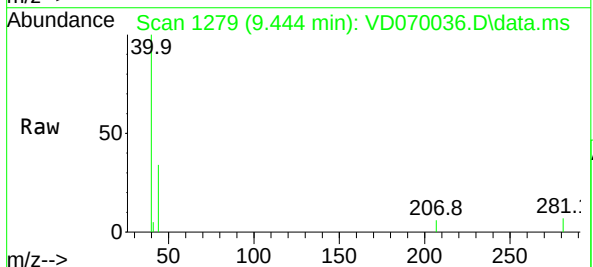
Instrument :
MSVOA_D
ClientSampleId :

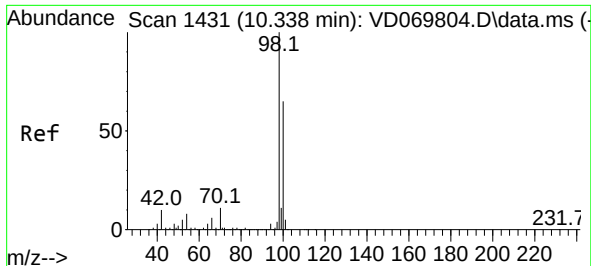
Tgt Ion:117 Resp: 69257
Ion Ratio Lower Upper
117 100
119 8.2 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.772 ug/l
RT: 9.444 min Scan# 1279
Delta R.T. -0.006 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

Tgt Ion: 41 Resp: 120
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#

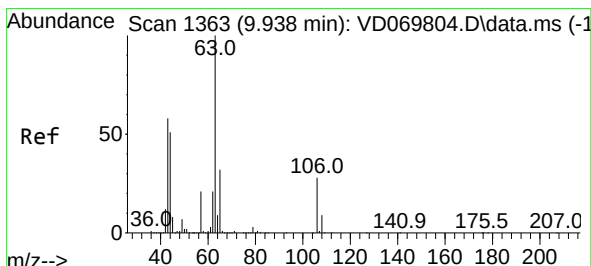
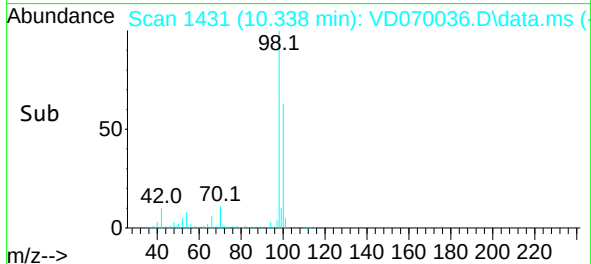
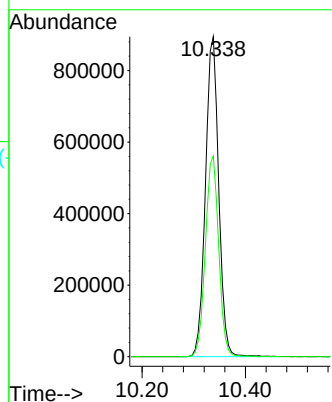
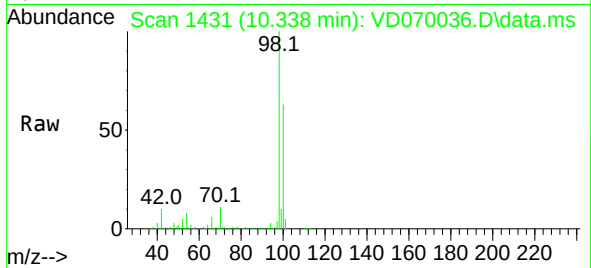




#50
Toluene-d8
Concen: 53.672 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

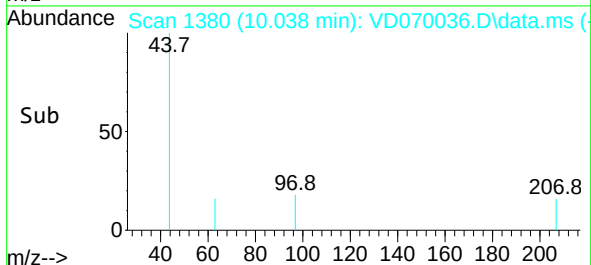
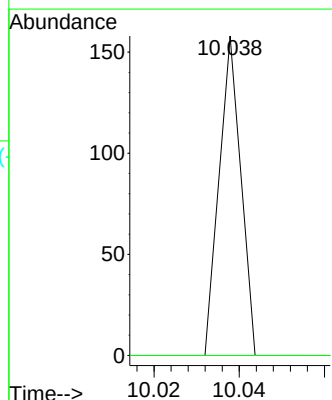
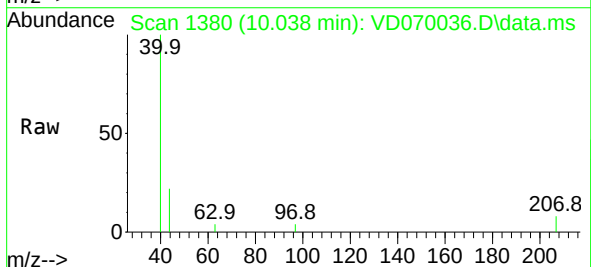
Instrument :
MSVOA_D
ClientSampled :

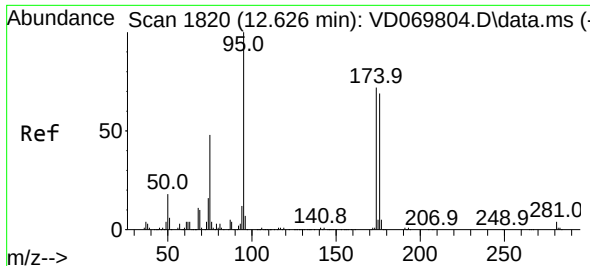
Tgt Ion: 98 Resp: 1589146
Ion Ratio Lower Upper
98 100
100 63.5 51.9 77.9



#58
2-Chloroethyl Vinyl ether
Concen: 20.884 ug/l
RT: 10.038 min Scan# 1380
Delta R.T. 0.100 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

Tgt Ion: 63 Resp: 56
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

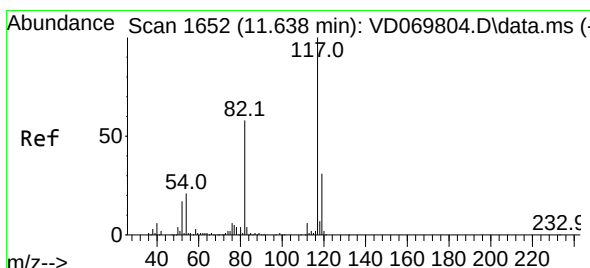
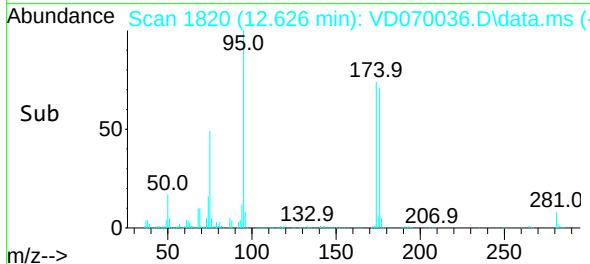
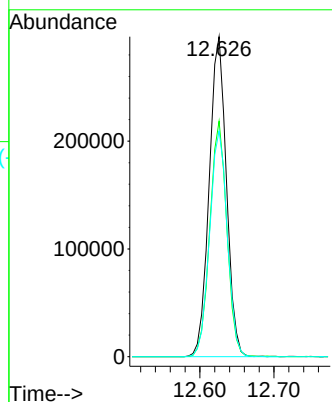
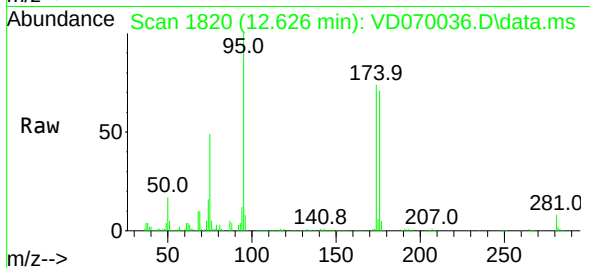




#62
4-Bromofluorobenzene
Concen: 48.351 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

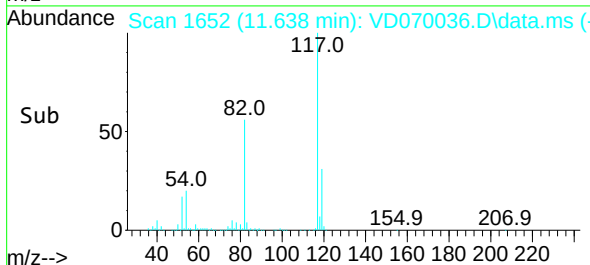
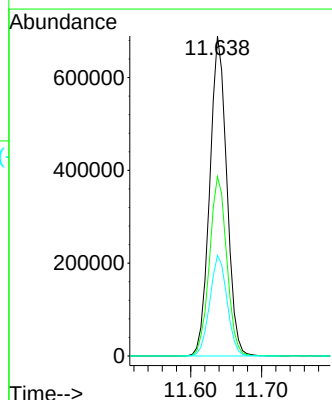
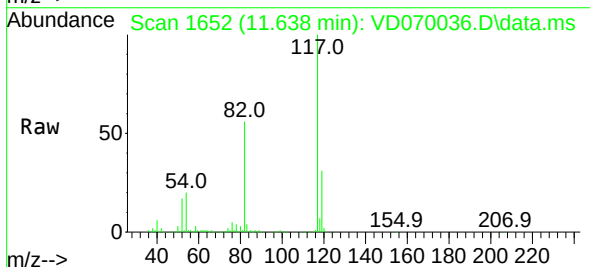
Instrument :
MSVOA_D
ClientSampleId :

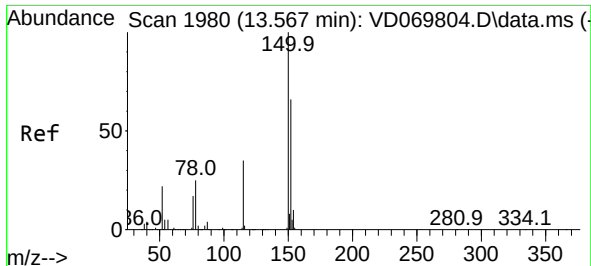
Tgt Ion: 95 Resp: 478446
Ion Ratio Lower Upper
95 100
174 72.7 0.0 142.6
176 72.1 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

Tgt Ion: 117 Resp: 1147507
Ion Ratio Lower Upper
117 100
82 56.1 46.3 69.5
119 31.4 24.7 37.1

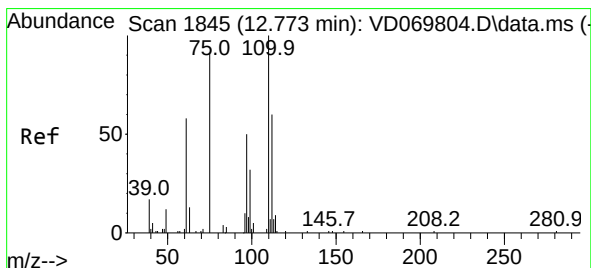
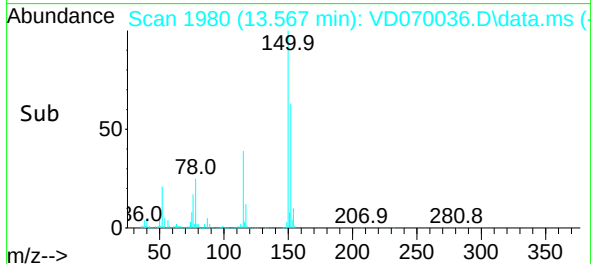
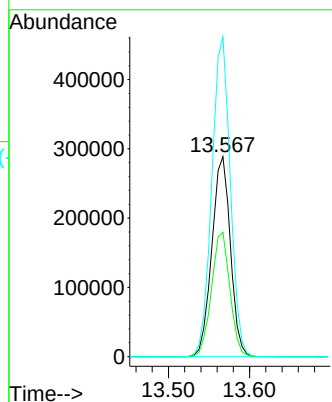
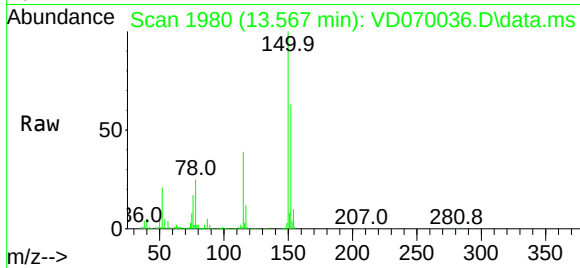




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

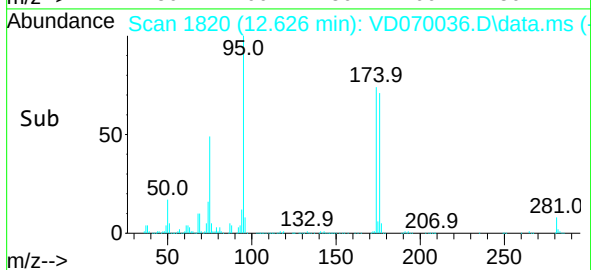
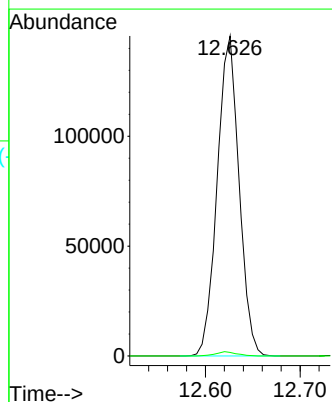
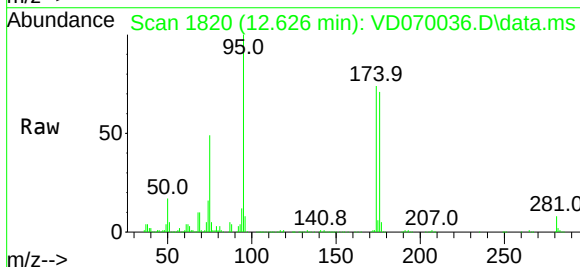
Instrument :
MSVOA_D
ClientSampleId :

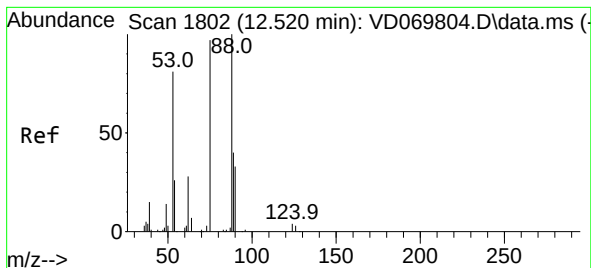
Tgt Ion:152 Resp: 458816
Ion Ratio Lower Upper
152 100
115 61.7 31.1 93.3
150 158.8 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 47.863 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

Tgt Ion: 75 Resp: 233420
Ion Ratio Lower Upper
75 100
77 1.3 181.5 544.5#

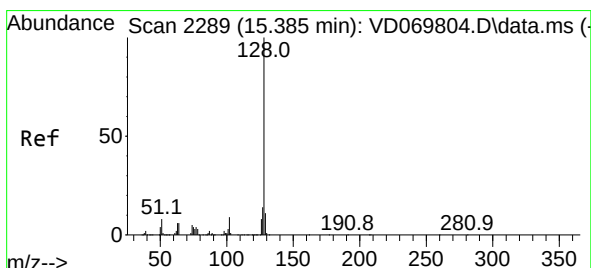
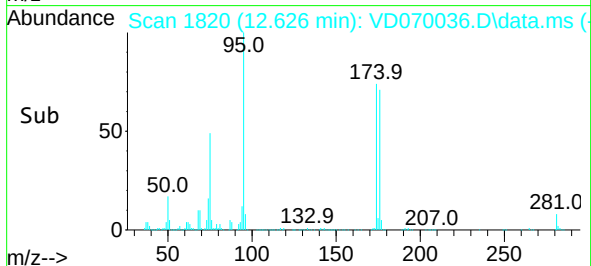
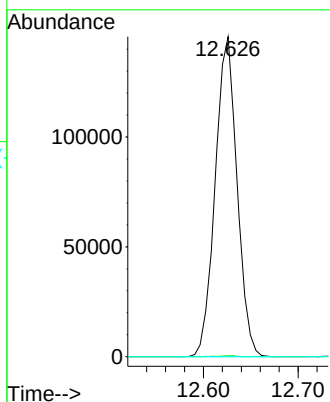
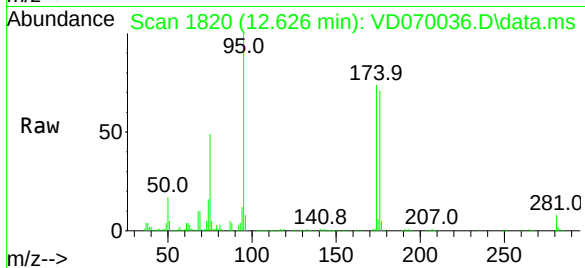




#81
trans-1,4-Dichloro-2-butene
Concen: 145.203 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 233420
Ion Ratio Lower Upper
75 100
53 0.2 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.017 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD070036.D
Acq: 11 Aug 2021 21:21

Tgt Ion:128 Resp: 313
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

