

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081121\
 Data File : VD070037.D
 Acq On : 11 Aug 2021 21:50
 Operator : VA/SY
 Sample : M3368-01
 Misc : 4.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 12 05:33:38 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)

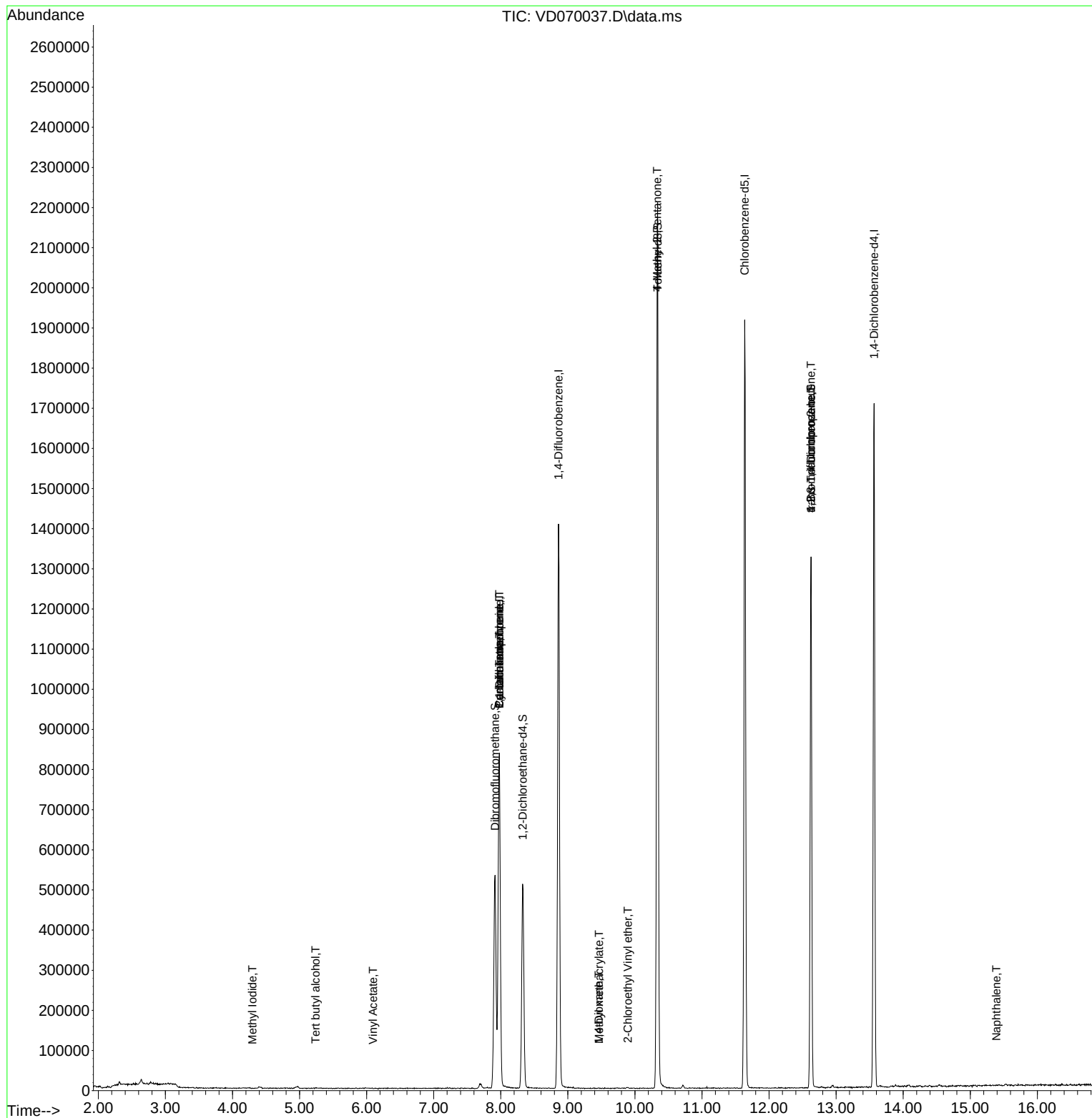
Internal Standards						
1) Pentafluorobenzene	7.979	168	594538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1200176	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1107882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	450274	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	405883	59.359	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.720%	
35) Dibromofluoromethane	7.914	113	389695	51.507	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.020%	
50) Toluene-d8	10.338	98	1532631	52.535	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.060%	
62) 4-Bromofluorobenzene	12.626	95	454374	46.603	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.200%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	2422	Below Cal	#	58
10) Methyl Iodide	4.297	142	526	3.529	ug/l #	60
11) Tert butyl alcohol	5.238	59	580	1.639	ug/l #	73
20) Methylene Chloride	4.973	84	3833	Below Cal	#	79
23) Vinyl Acetate	6.097	43	56	20.354	ug/l #	71
31) Cyclohexane	7.979	56	13454	1.007	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	52805	4.077	ug/l #	49
38) Carbon Tetrachloride	7.979	117	61991	5.240	ug/l #	16
48) Methyl methacrylate	9.467	41	76	2.763	ug/l #	13
49) 1,4-Dioxane	9.461	88	61	1.192	ug/l #	21
51) 4-Methyl-2-Pentanone	10.332	43	6470	1.470	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.897	63	82	20.890	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	224202	46.845	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	224202	142.114	ug/l #	16
95) Naphthalene	15.390	128	243	5.013	ug/l #	69

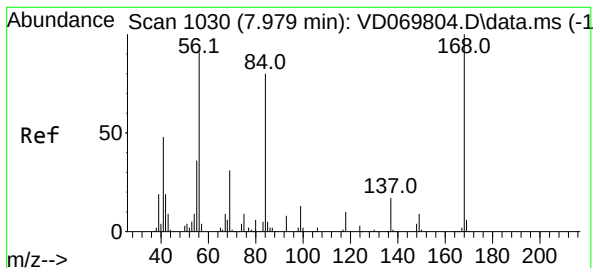
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD070037.D

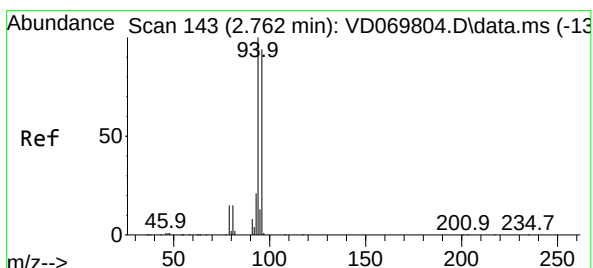
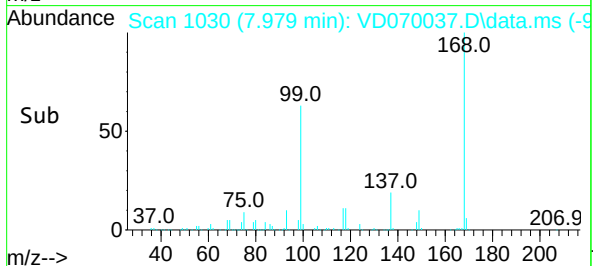
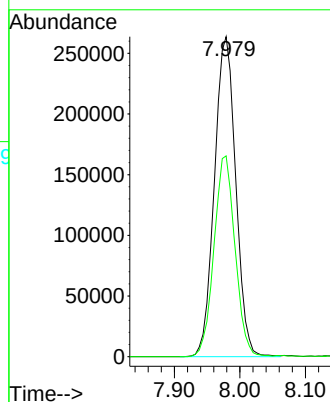
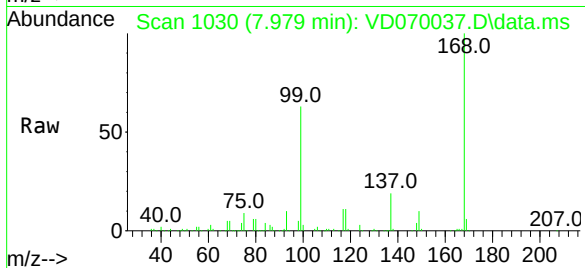
Acq: 11 Aug 2021 21:50

Tgt Ion:168 Resp: 594538

Ion Ratio Lower Upper

168 100

99 62.8 51.1 76.7



#5

Bromomethane

Concen: Below Cal

RT: 2.773 min Scan# 145

Delta R.T. 0.011 min

Lab File: VD070037.D

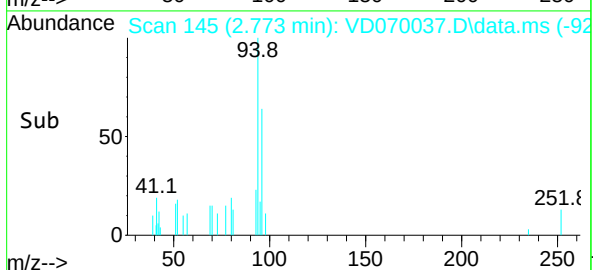
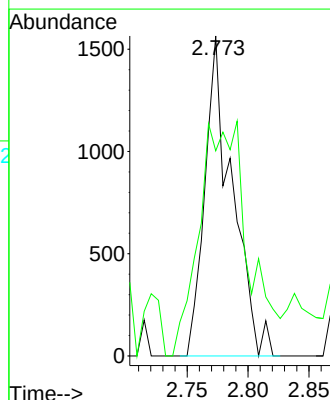
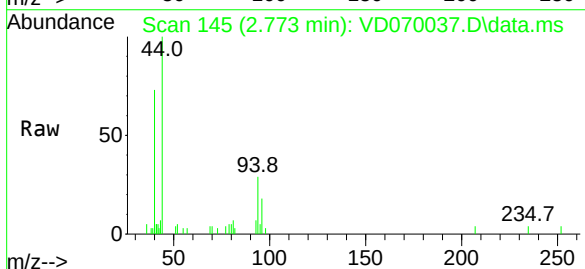
Acq: 11 Aug 2021 21:50

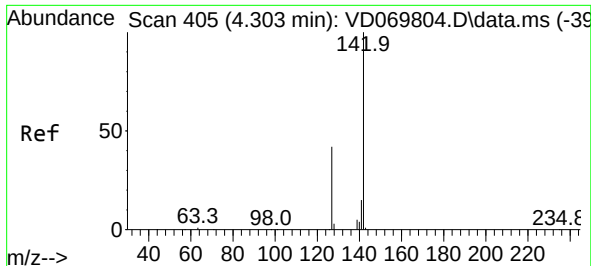
Tgt Ion: 94 Resp: 2422

Ion Ratio Lower Upper

94 100

96 53.5 74.8 112.2#

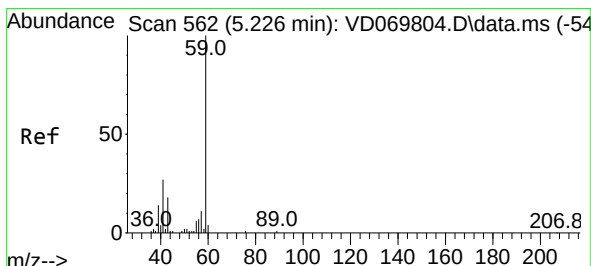
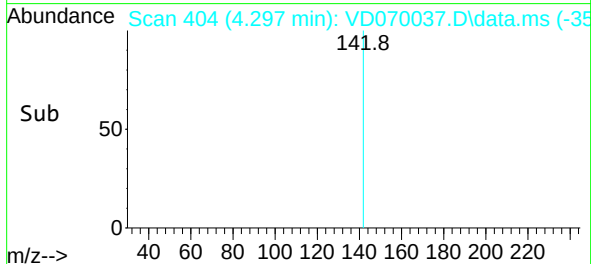
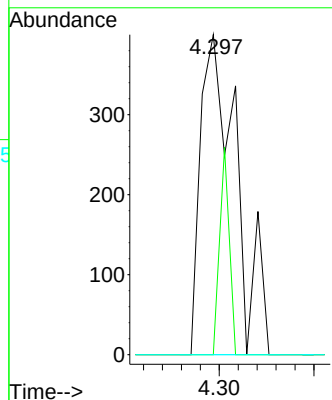
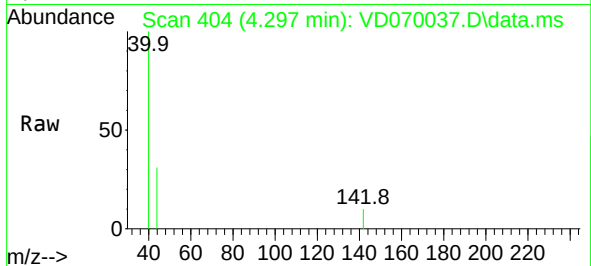




#10
Methyl Iodide
Concen: 3.529 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

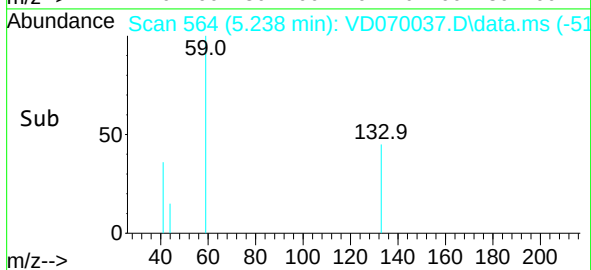
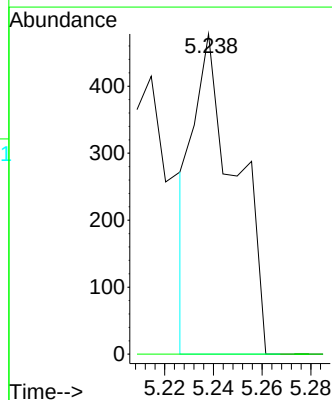
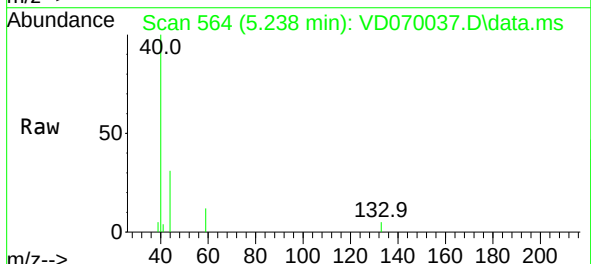
Instrument :
MSVOA_D
ClientSampled :

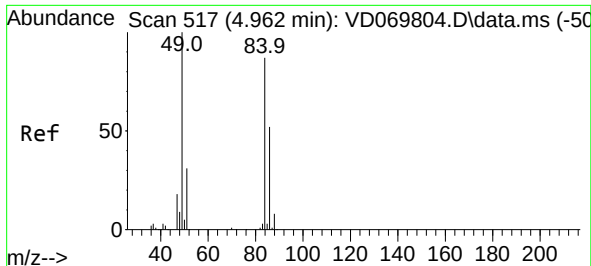
Tgt Ion:142 Resp: 526
Ion Ratio Lower Upper
142 100
127 17.3 35.7 53.5#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.639 ug/l
RT: 5.238 min Scan# 564
Delta R.T. 0.012 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

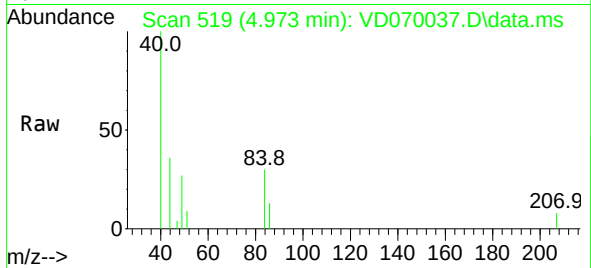
Tgt Ion: 59 Resp: 580
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



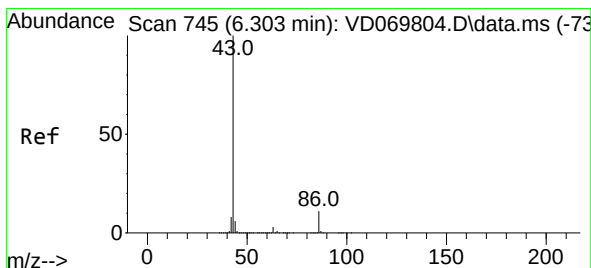
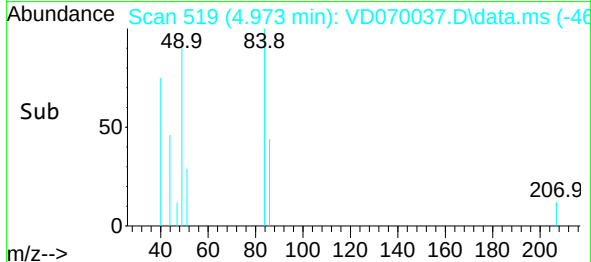
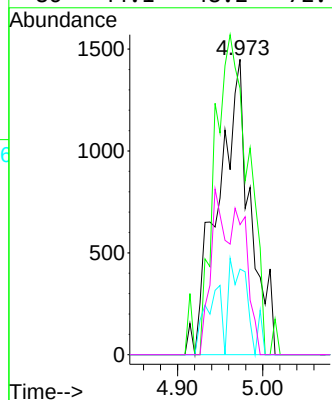


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.011 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

Instrument :
MSVOA_D
ClientSampled :

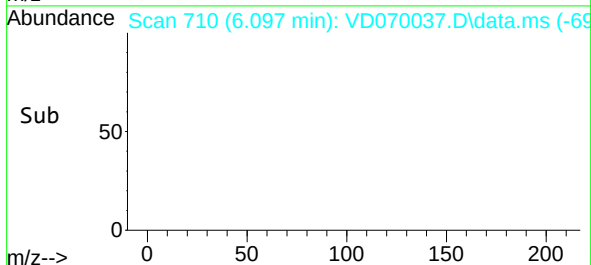
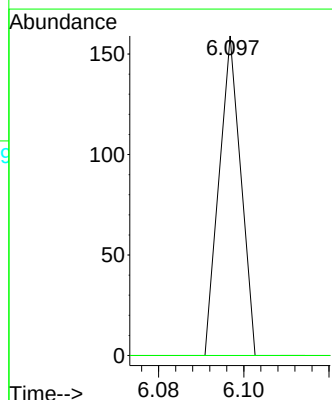
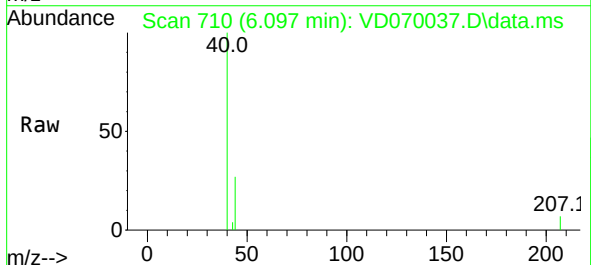


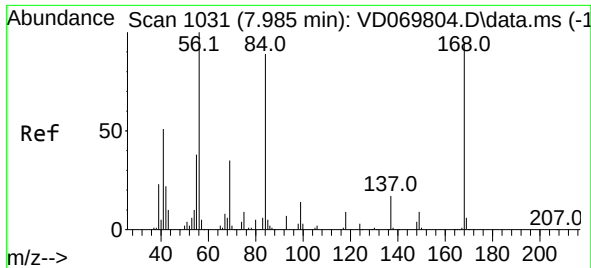
Tgt Ion: 84 Resp: 3833
Ion Ratio Lower Upper
84 100
49 90.1 92.4 138.6#
51 29.0 28.5 42.7
86 44.1 48.2 72.4#



#23
Vinyl Acetate
Concen: 20.354 ug/l
RT: 6.097 min Scan# 710
Delta R.T. -0.206 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

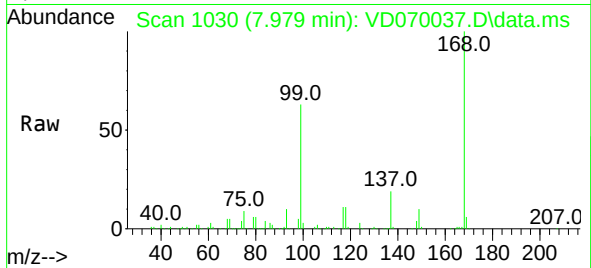
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
86 0.0 8.6 13.0#



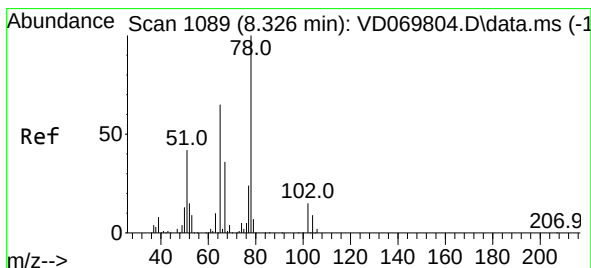
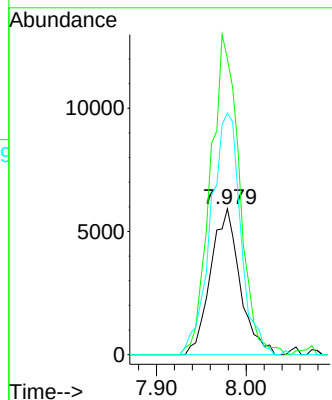
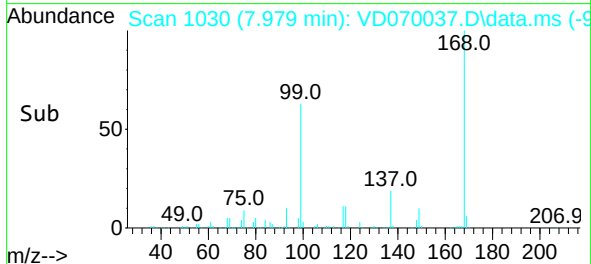


#31
Cyclohexane
Concen: 1.007 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

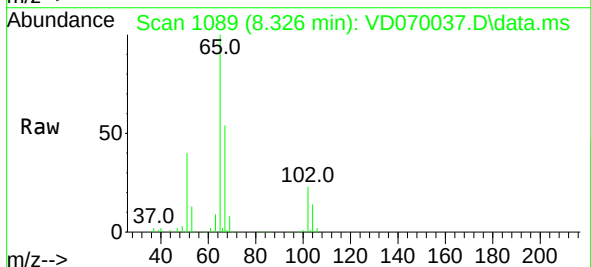
Instrument :
MSVOA_D
ClientSampleId :



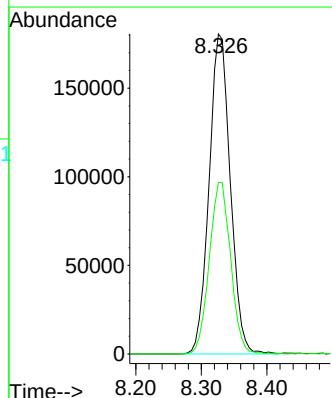
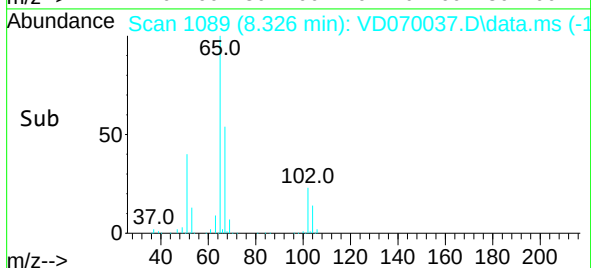
Tgt Ion: 56 Resp: 13454
Ion Ratio Lower Upper
56 100
69 202.7 27.9 41.9#
84 165.6 71.4 107.2#

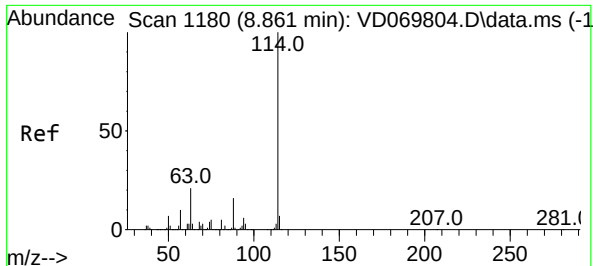


#33
1,2-Dichloroethane-d4
Concen: 59.359 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50



Tgt Ion: 65 Resp: 405883
Ion Ratio Lower Upper
65 100
67 54.0 0.0 111.2



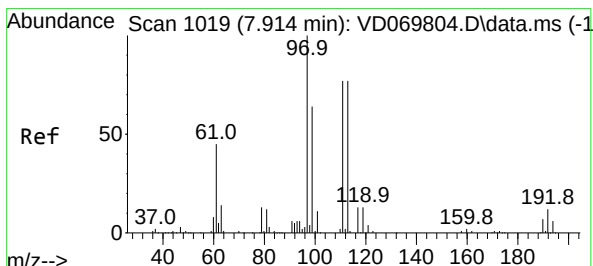
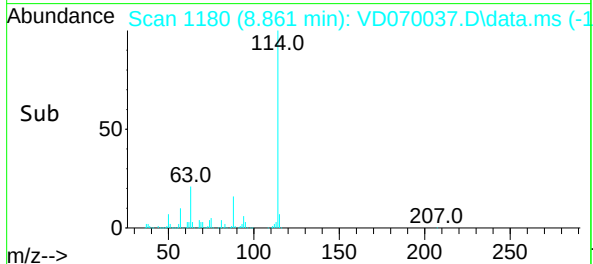
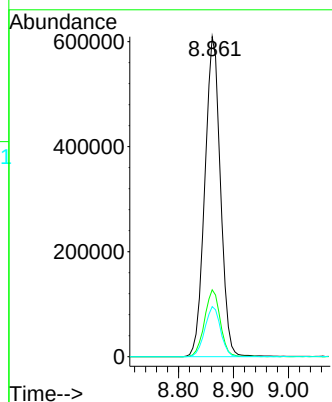
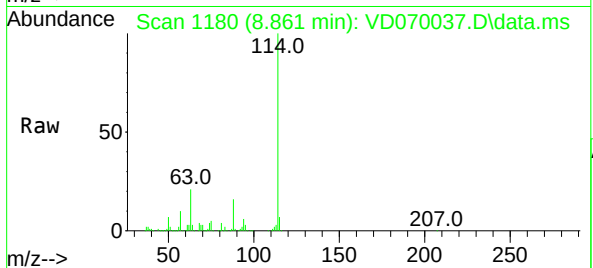


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

Instrument :
MSVOA_D
ClientSampled :

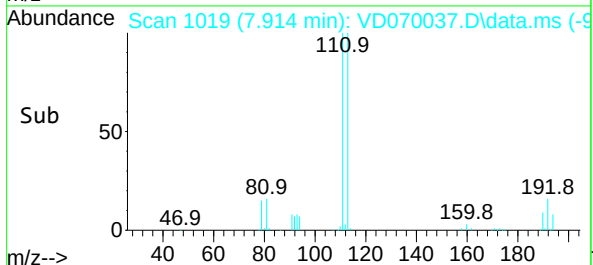
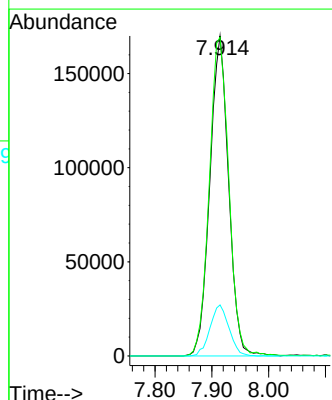
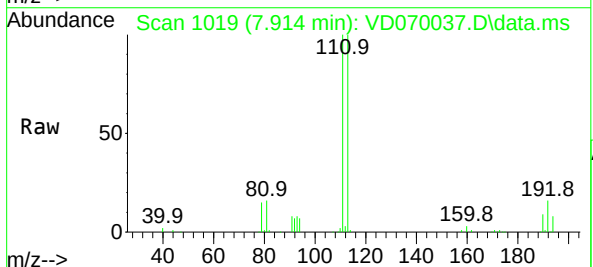
Tgt Ion:114 Resp: 1200176
Ion Ratio Lower Upper
114 100
63 20.9 0.0 41.6
88 15.7 0.0 31.4

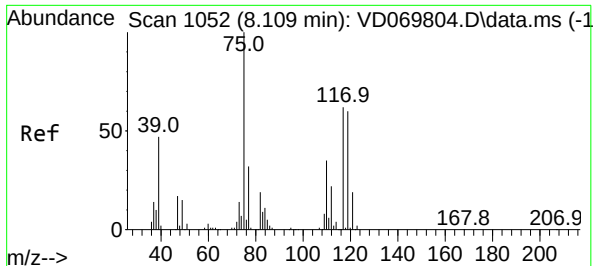


#35

Dibromofluoromethane
Concen: 51.507 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

Tgt Ion:113 Resp: 389695
Ion Ratio Lower Upper
113 100
111 103.8 80.5 120.7
192 16.1 12.6 19.0

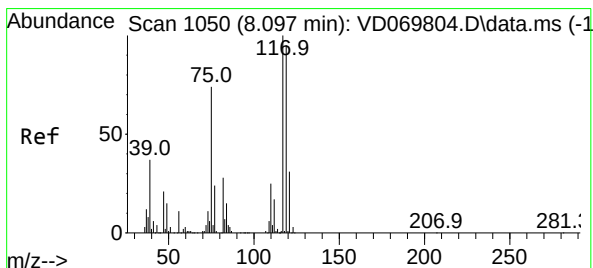
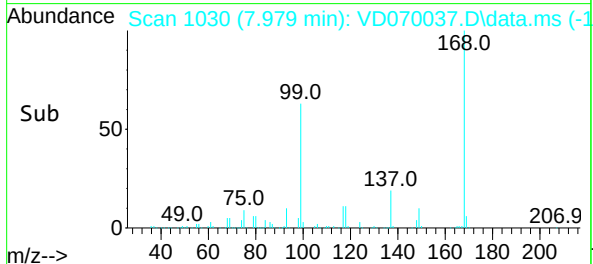
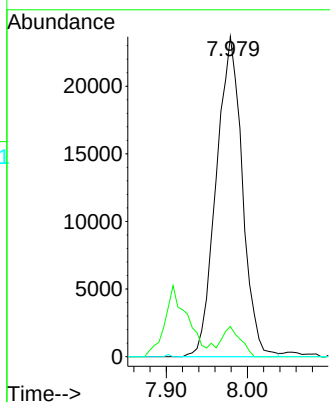
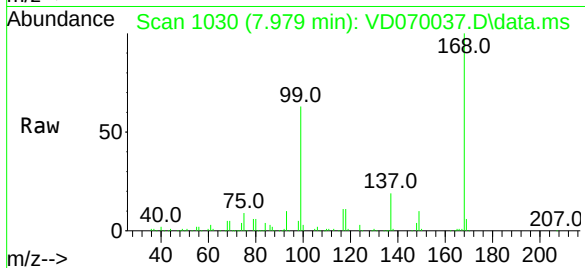




#36
1,1-Dichloropropene
Concen: 4.077 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

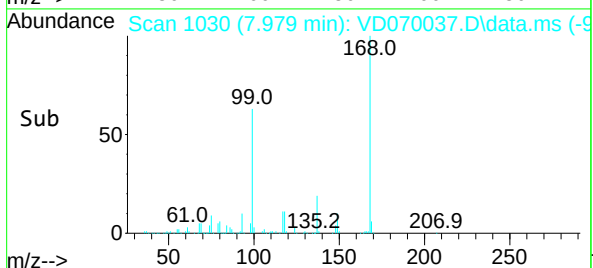
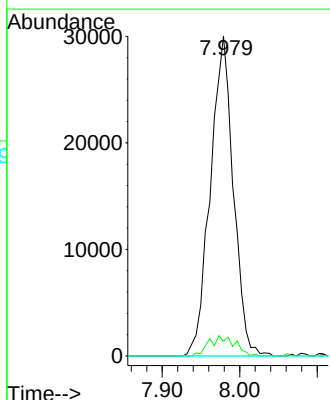
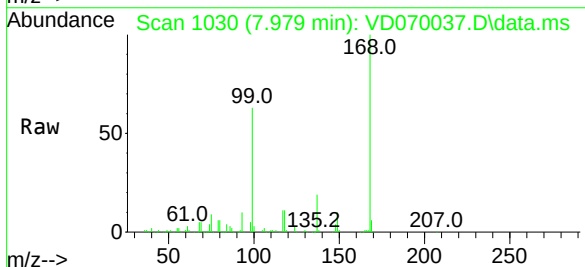
Instrument :
MSVOA_D
ClientSampleId :

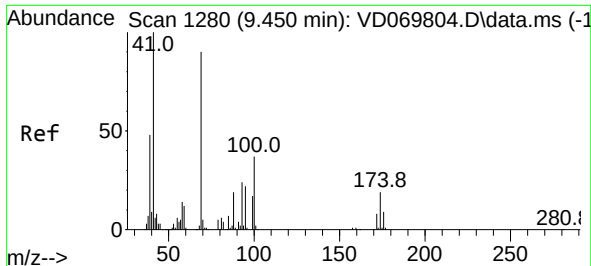
Tgt Ion: 75 Resp: 52805
Ion Ratio Lower Upper
75 100
110 7.6 16.9 50.7#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.240 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

Tgt Ion: 117 Resp: 61991
Ion Ratio Lower Upper
117 100
119 4.6 76.2 114.2#
121 0.0 24.5 36.7#

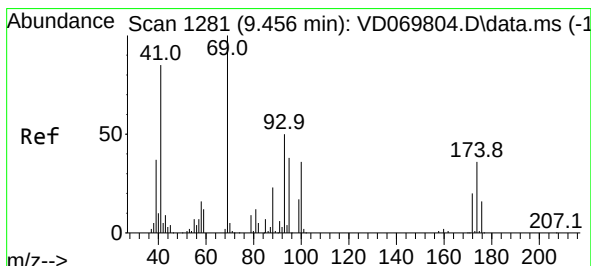
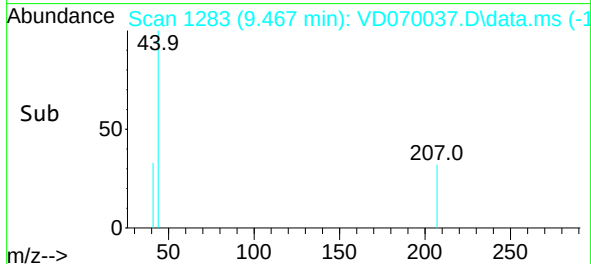
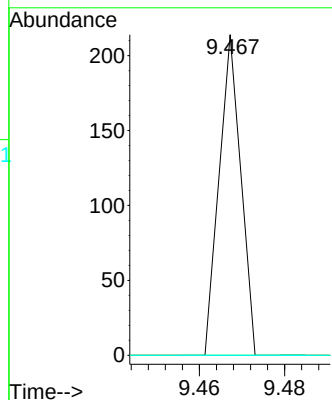
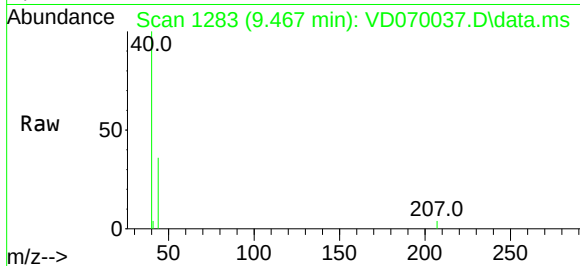




#48
Methyl methacrylate
Concen: 2.763 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.017 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

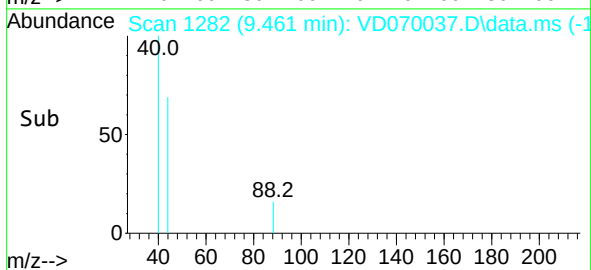
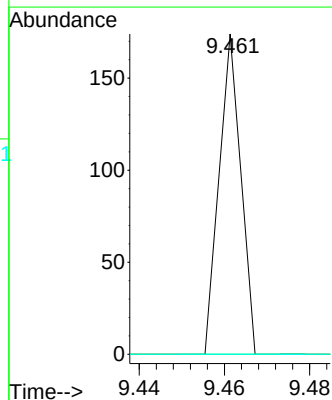
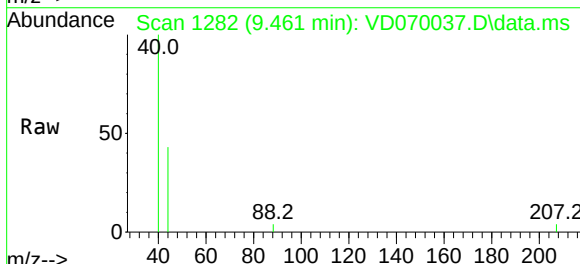
Instrument :
MSVOA_D
ClientSampled :

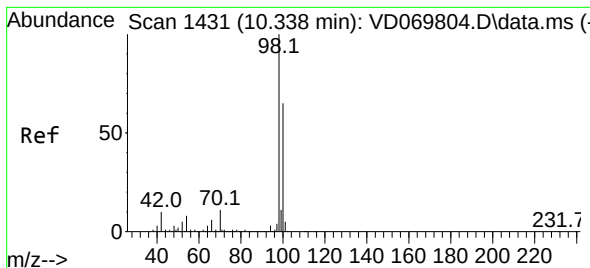
Tgt Ion: 41 Resp: 76
Ion Ratio Lower Upper
41 100
69 0.0 73.4 110.2#
39 0.0 36.6 55.0#



#49
1,4-Dioxane
Concen: 1.192 ug/l
RT: 9.461 min Scan# 1282
Delta R.T. 0.006 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 0.0 26.8 40.2#
58 0.0 59.8 89.6#

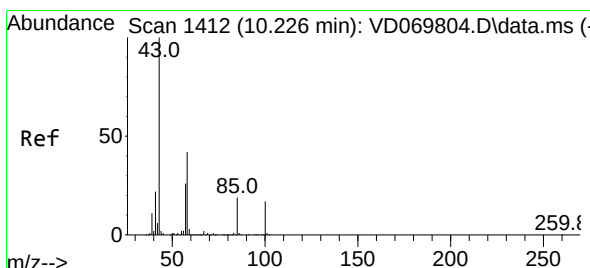
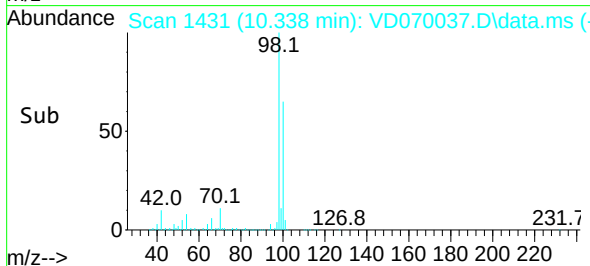
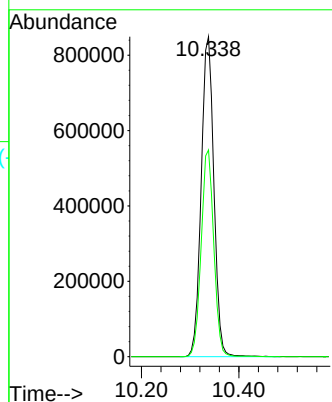
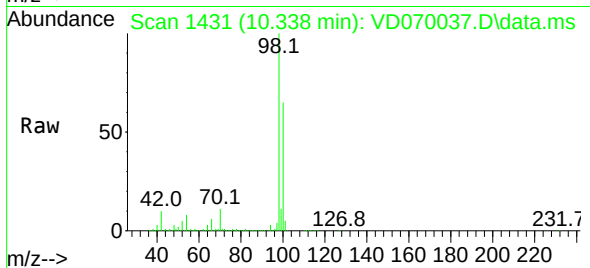




#50
Toluene-d8
Concen: 52.535 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

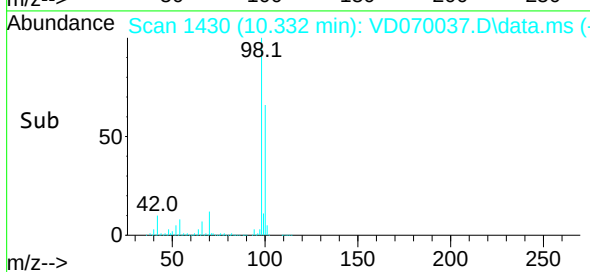
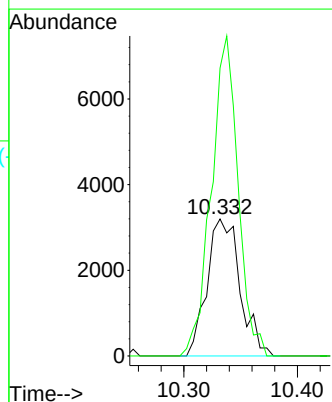
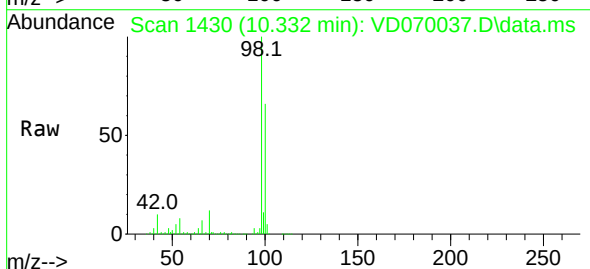
Instrument :
MSVOA_D
ClientSampled :

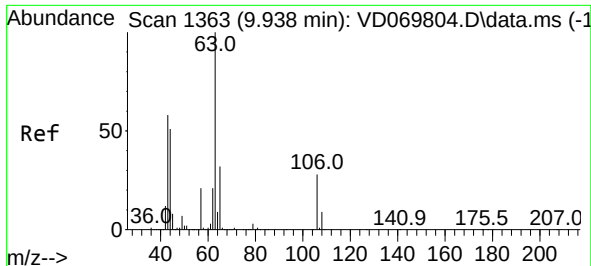
Tgt Ion: 98 Resp: 1532631
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.470 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

Tgt Ion: 43 Resp: 6470
Ion Ratio Lower Upper
43 100
58 189.5 33.7 50.5#

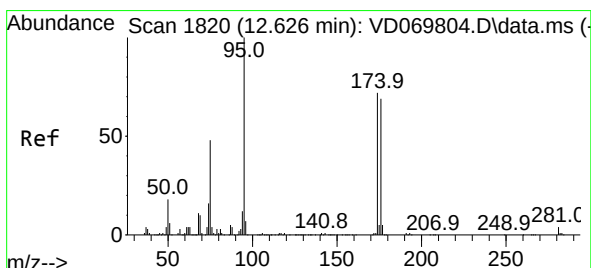
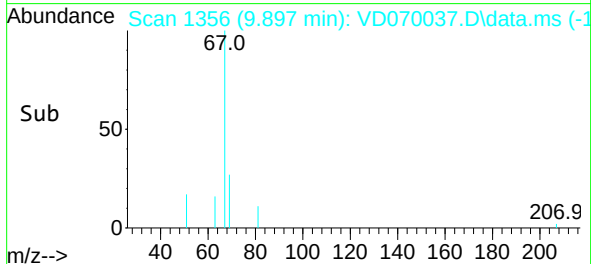
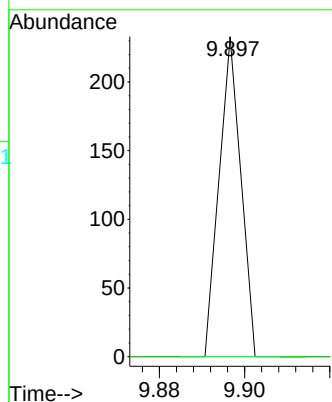
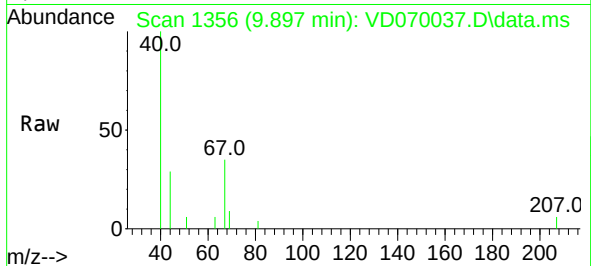




#58
2-Chloroethyl Vinyl ether
Concen: 20.890 ug/l
RT: 9.897 min Scan# 1356
Delta R.T. -0.041 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

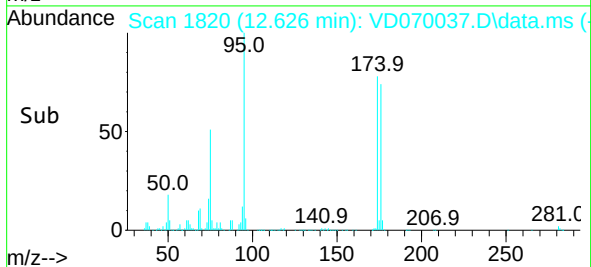
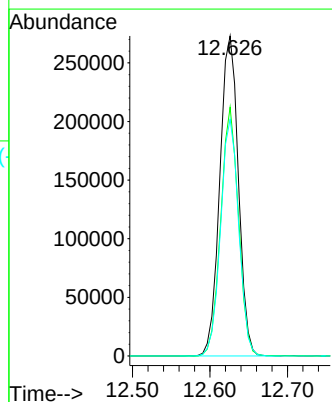
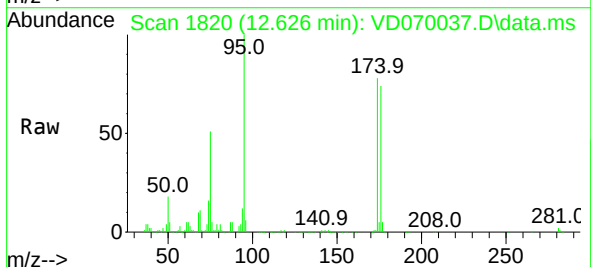
Instrument :
MSVOA_D
ClientSampled :

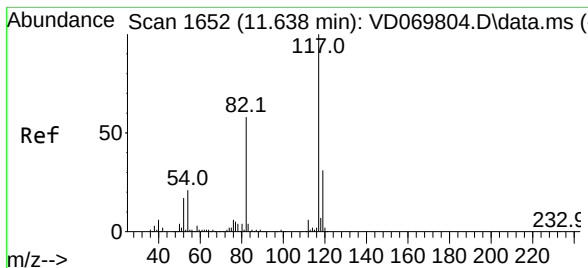
Tgt Ion: 63 Resp: 82
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#62
4-Bromofluorobenzene
Concen: 46.603 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

Tgt Ion: 95 Resp: 454374
Ion Ratio Lower Upper
95 100
174 74.4 0.0 142.6
176 72.2 0.0 134.2

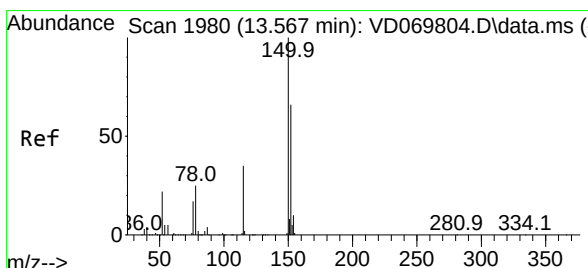
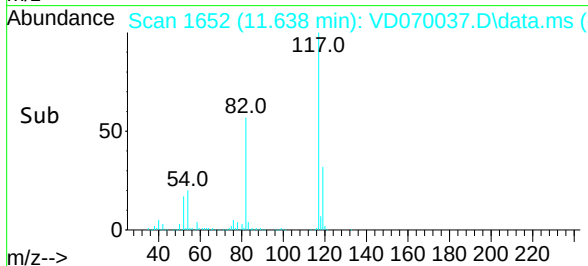
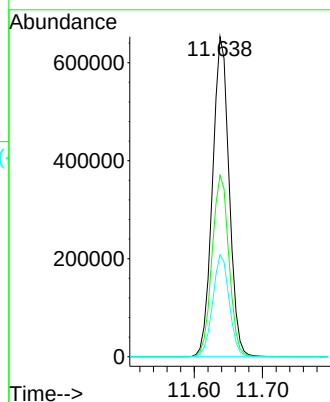
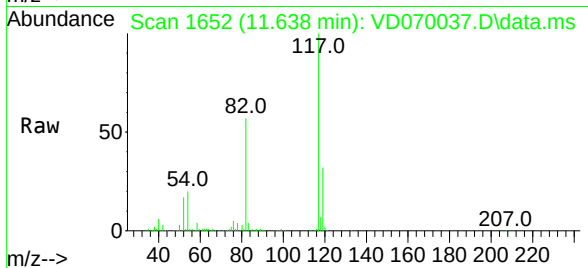




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

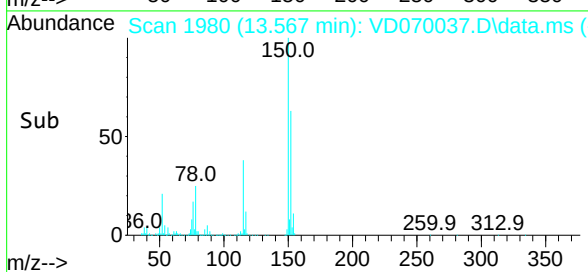
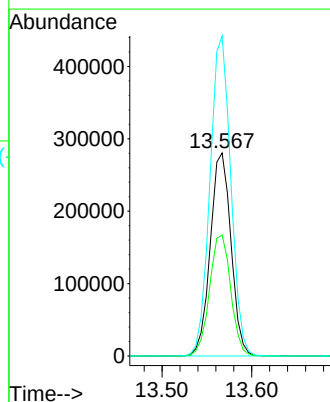
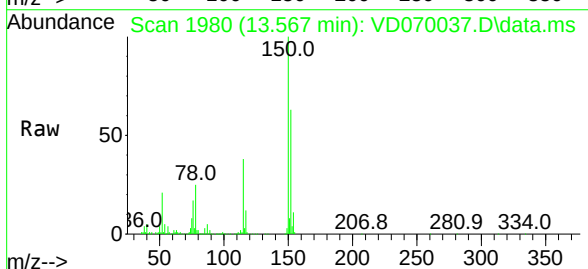
Instrument :
MSVOA_D
ClientSampleId :

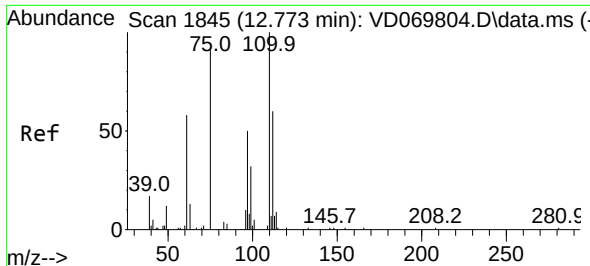
Tgt Ion:117 Resp: 1107882
Ion Ratio Lower Upper
117 100
82 56.7 46.3 69.5
119 31.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

Tgt Ion:152 Resp: 450274
Ion Ratio Lower Upper
152 100
115 60.9 31.1 93.3
150 157.9 0.0 343.0

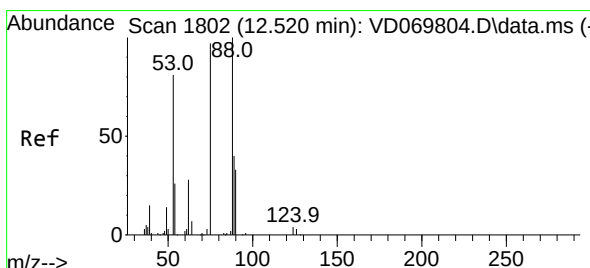
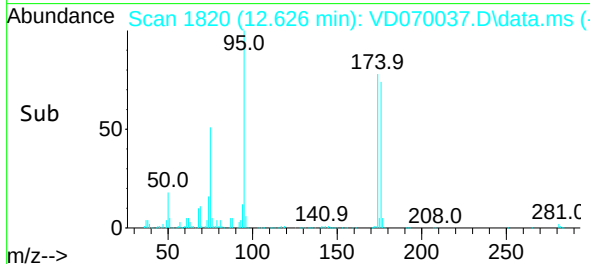
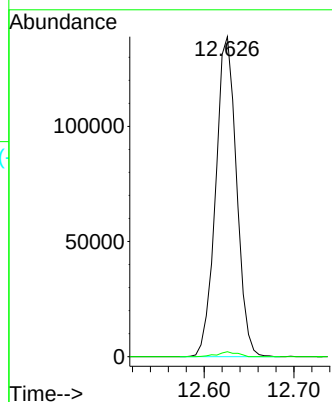
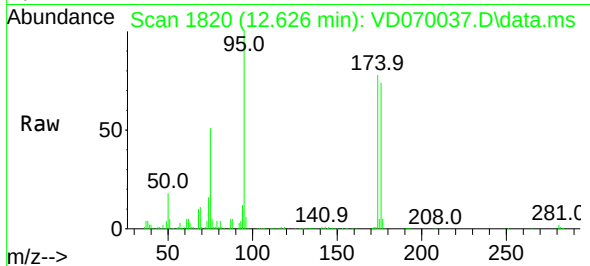




#76
1,2,3-Trichloropropane
Concen: 46.845 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

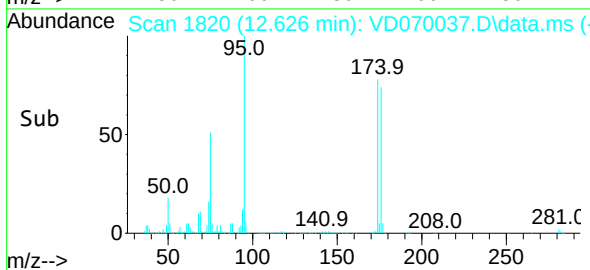
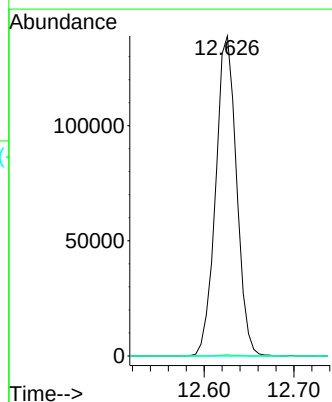
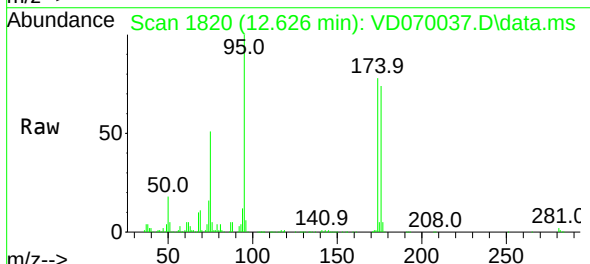
Instrument :
MSVOA_D
ClientSampleId :

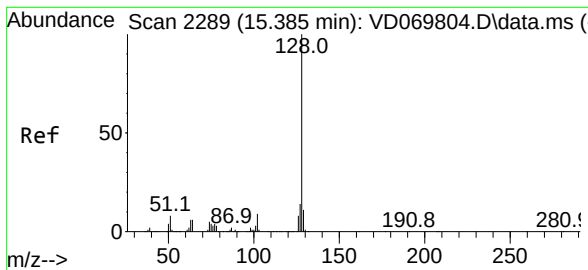
Tgt Ion: 75 Resp: 224202
Ion Ratio Lower Upper
75 100
77 1.5 181.5 544.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 142.114 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

Tgt Ion: 75 Resp: 224202
Ion Ratio Lower Upper
75 100
53 0.3 67.2 100.8#
89 0.0 35.8 53.6#





#95
Naphthalene
Concen: 5.013 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.005 min
Lab File: VD070037.D
Acq: 11 Aug 2021 21:50

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 243
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

