

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101921\
 Data File : VD070756.D
 Acq On : 19 Oct 2021 14:05
 Operator : VA/SY
 Sample : M4252-07RE
 Misc : 6.13G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-CA-(1)RE

Quant Time: Oct 20 04:40:35 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

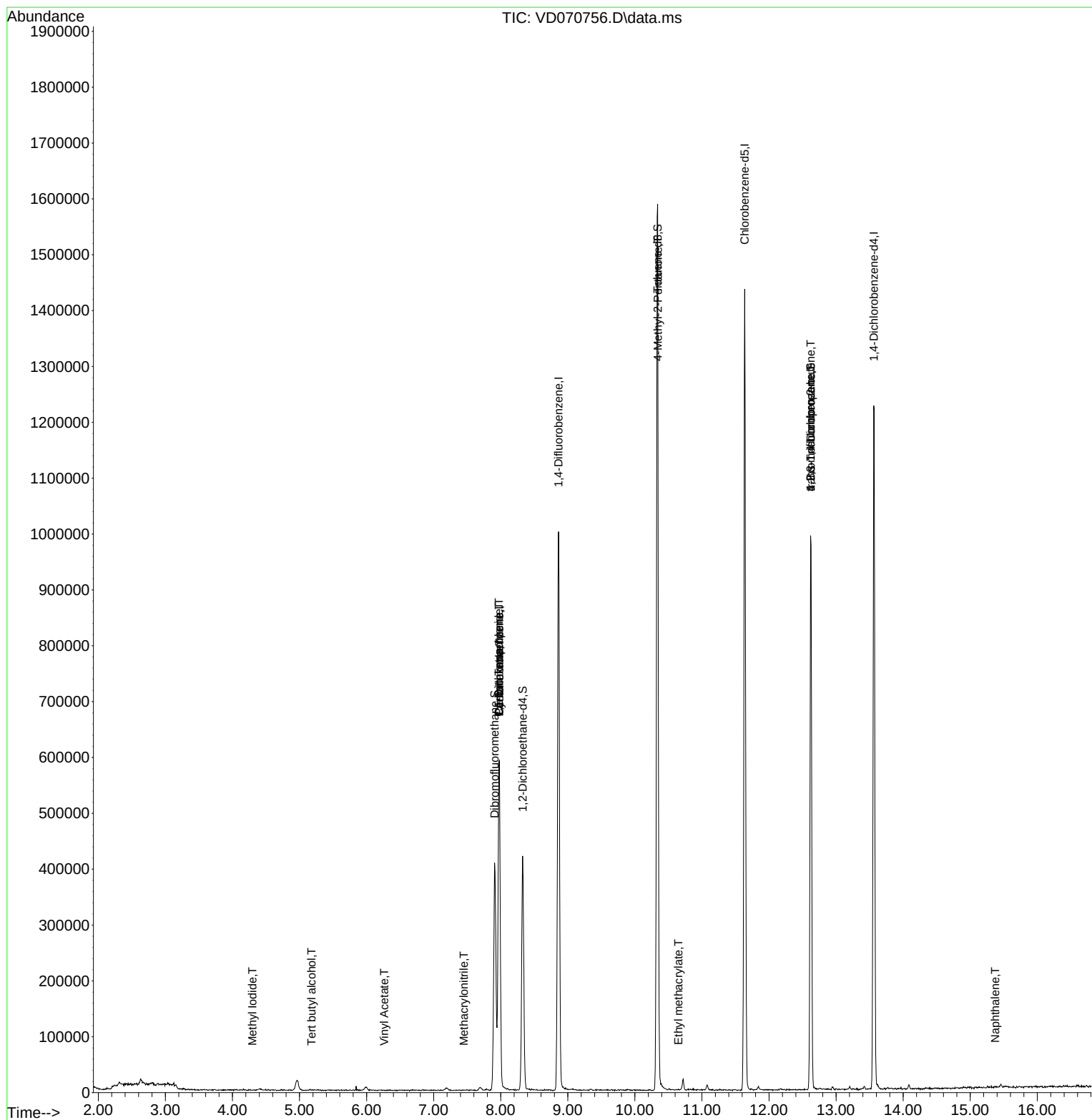
Internal Standards						
1) Pentafluorobenzene	7.979	168	419958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	810875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	787174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	326214	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	317087	63.747	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.500%	
35) Dibromofluoromethane	7.908	113	286156	55.114	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.220%	
50) Toluene-d8	10.338	98	1075274	54.026	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.060%	
62) 4-Bromofluorobenzene	12.620	95	336816	49.147	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.300%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.297	142	226	3.360	ug/l #	38
11) Tert butyl alcohol	5.179	59	883	3.171	ug/l #	83
20) Methylene Chloride	4.962	84	13671	Below Cal	#	90
23) Vinyl Acetate	6.261	43	91	16.338	ug/l #	69
31) Cyclohexane	7.979	56	11347	1.128	ug/l #	7
36) 1,1-Dichloropropene	7.973	75	37938	4.200	ug/l #	50
38) Carbon Tetrachloride	7.973	117	44322	5.123	ug/l #	15
41) Methacrylonitrile	7.450	41	69	1.972	ug/l #	16
51) 4-Methyl-2-Pentanone	10.344	43	5023	1.335	ug/l #	1
56) Ethyl methacrylate	10.650	69	190	4.184	ug/l #	74
76) 1,2,3-Trichloropropane	12.620	75	174985	62.088	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	174985	135.991	ug/l #	17
95) Naphthalene	15.373	128	113	4.802	ug/l #	69

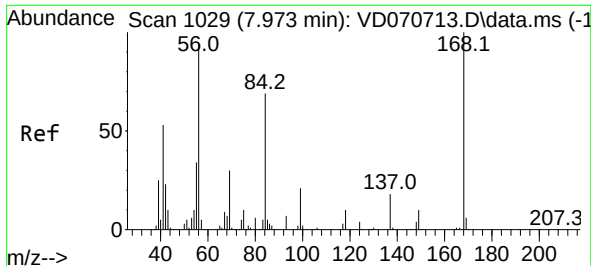
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Oct 18 08:32:03 2021
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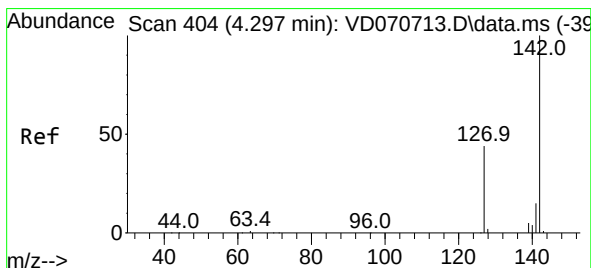
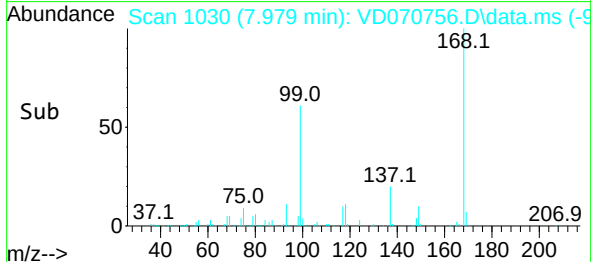
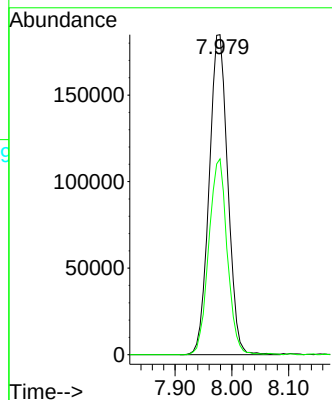
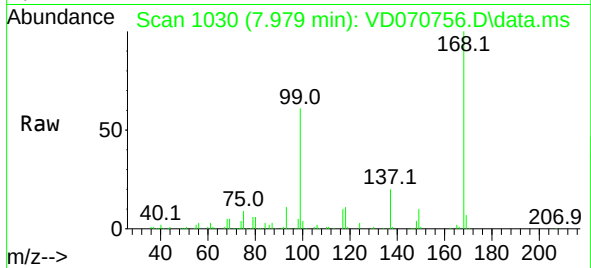




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

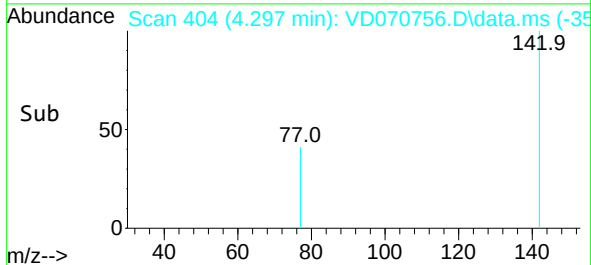
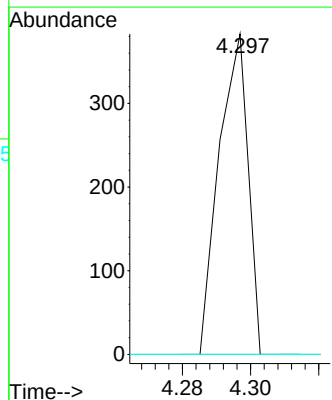
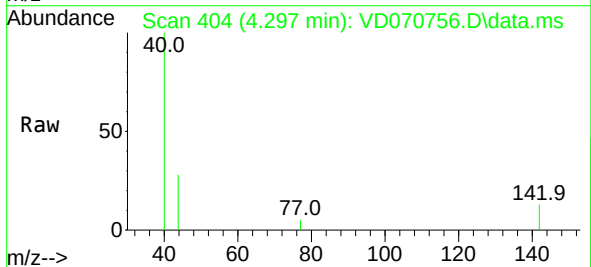
Instrument :
MSVOA_D
ClientSampleId :
MH-CA-(1)RE

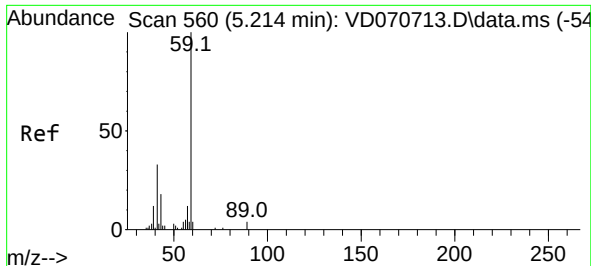
Tgt Ion:168 Resp: 419958
Ion Ratio Lower Upper
168 100
99 61.2 51.4 77.0



#10
Methyl Iodide
Concen: 3.360 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

Tgt Ion:142 Resp: 226
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#

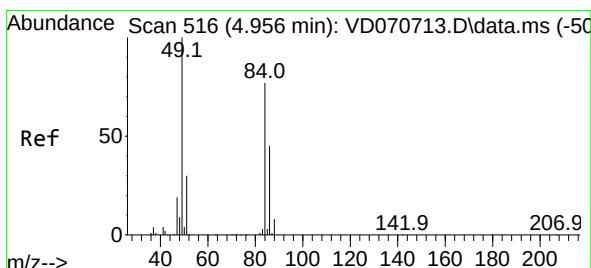
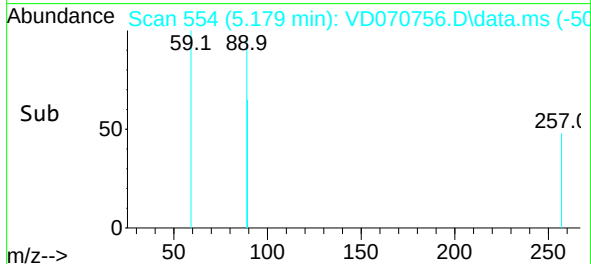
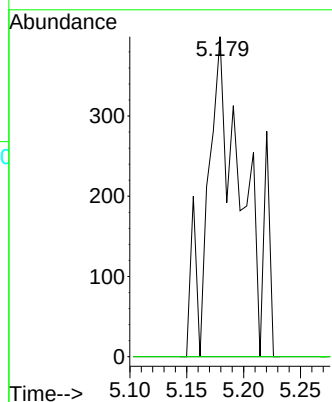
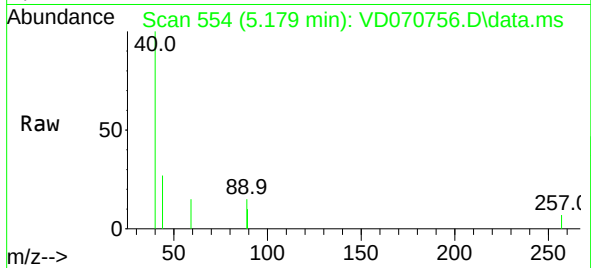




#11
Tert butyl alcohol
Concen: 3.171 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.035 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

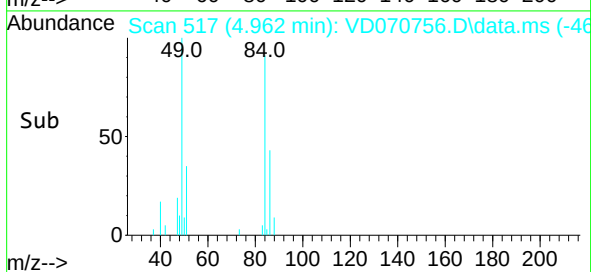
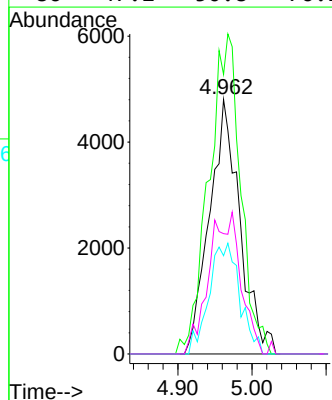
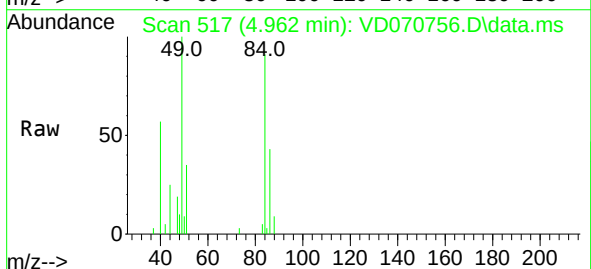
Instrument :
MSVOA_D
ClientSampleId :
MH-CA-(1)RE

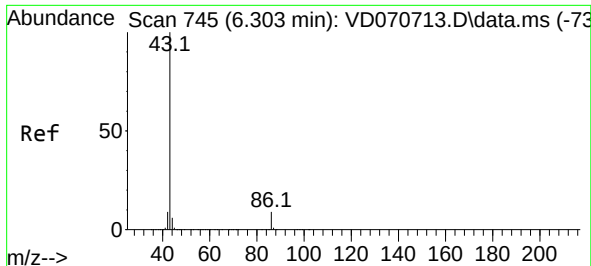
Tgt Ion: 59 Resp: 883
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

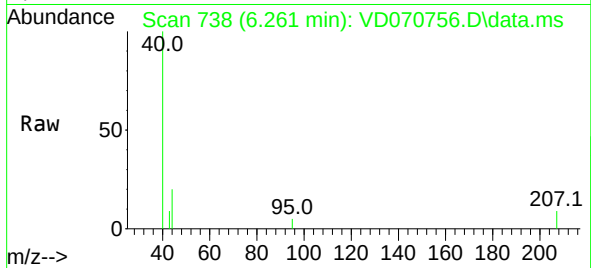
Tgt Ion: 84 Resp: 13671
Ion Ratio Lower Upper
84 100
49 109.8 91.4 137.2
51 38.6 26.7 40.1
86 47.2 50.8 76.2#



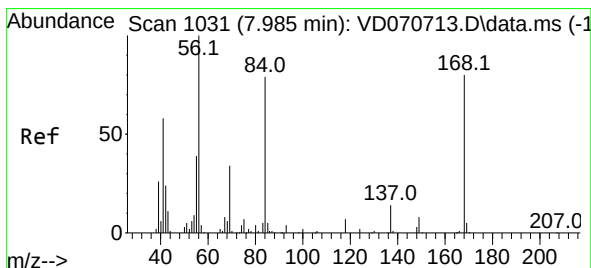
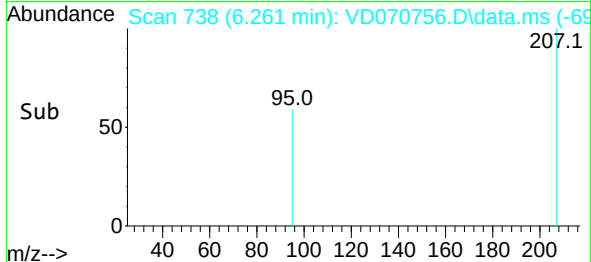
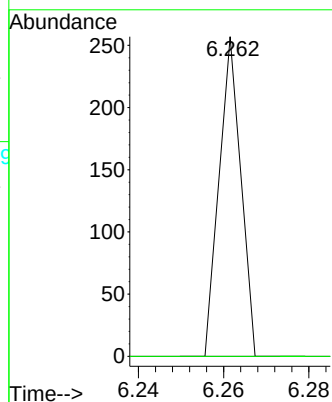


#23
 Vinyl Acetate
 Concen: 16.338 ug/l
 RT: 6.261 min Scan# 738
 Delta R.T. -0.042 min
 Lab File: VD070756.D
 Acq: 19 Oct 2021 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-CA-(1)RE

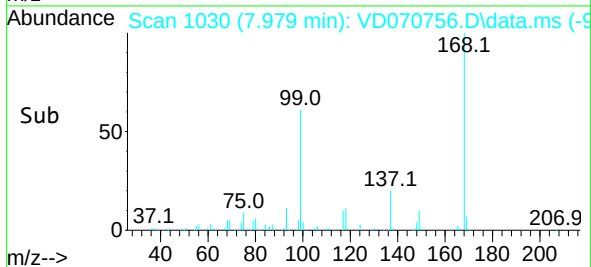
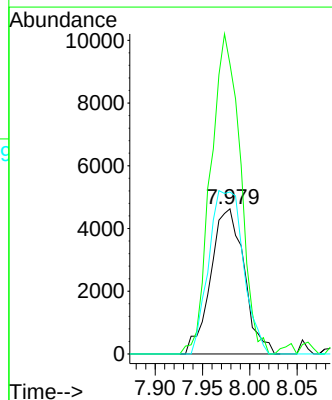
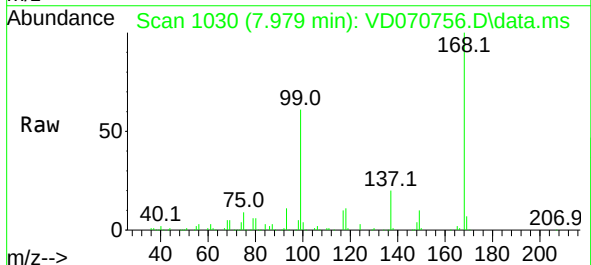


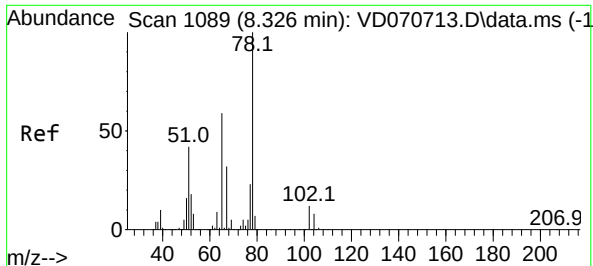
Tgt Ion: 43 Resp: 91
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.8 14.6#



#31
 Cyclohexane
 Concen: 1.128 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD070756.D
 Acq: 19 Oct 2021 14:05

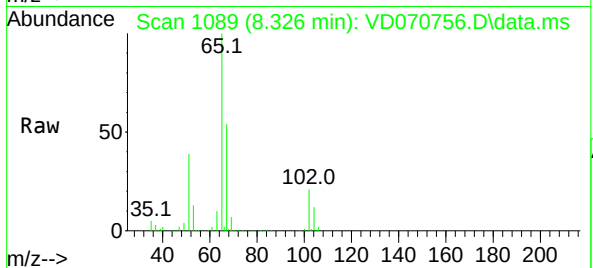
Tgt Ion: 56 Resp: 11347
 Ion Ratio Lower Upper
 56 100
 69 199.8 27.4 41.2#
 84 111.6 73.6 110.4#



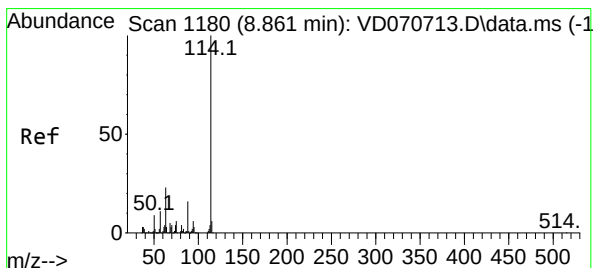
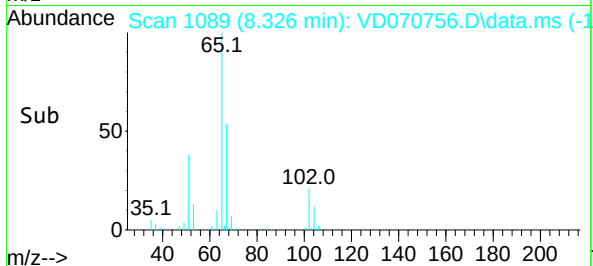
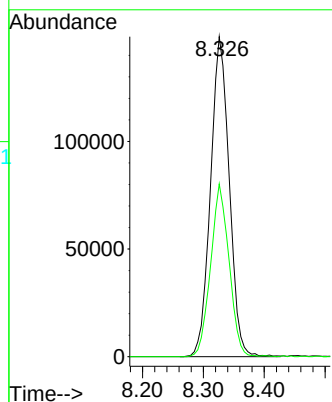


#33
1,2-Dichloroethane-d4
Concen: 63.747 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

Instrument :
MSVOA_D
ClientSampleId :
MH-CA-(1)RE

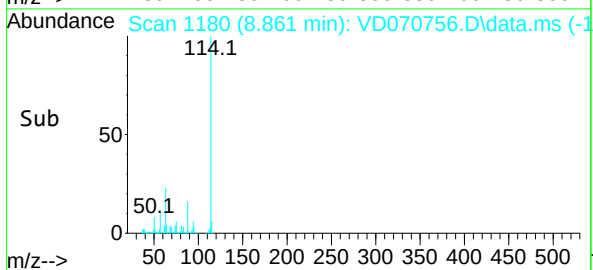
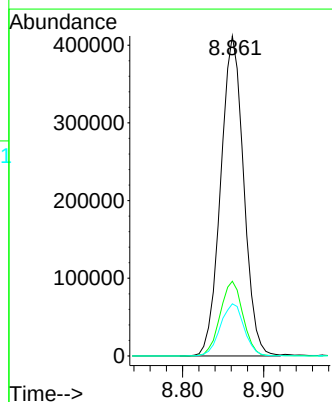
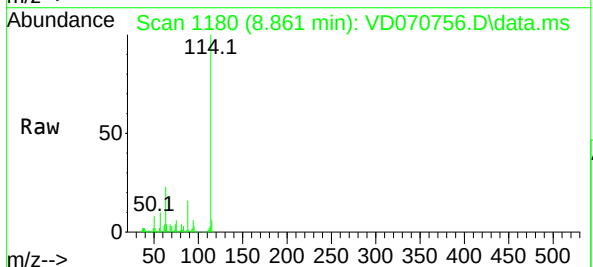


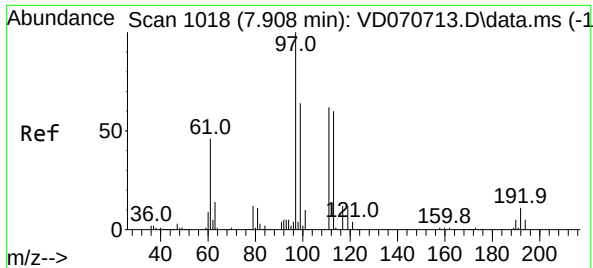
Tgt Ion: 65 Resp: 317087
Ion Ratio Lower Upper
65 100
67 53.0 0.0 110.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

Tgt Ion: 114 Resp: 810875
Ion Ratio Lower Upper
114 100
63 23.4 0.0 41.8
88 16.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 55.114 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD070756.D

Acq: 19 Oct 2021 14:05

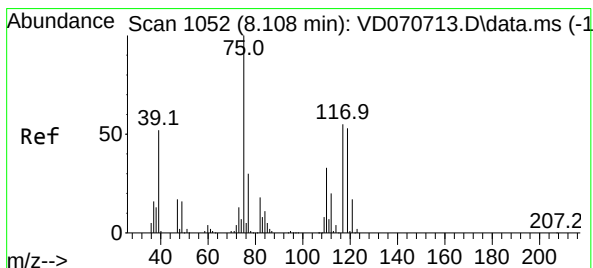
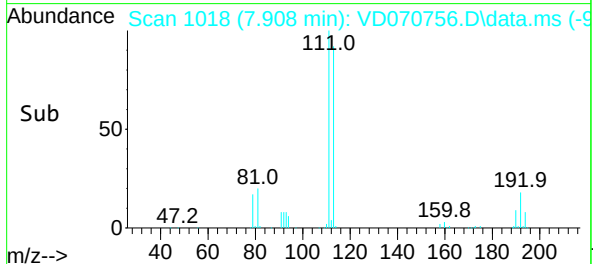
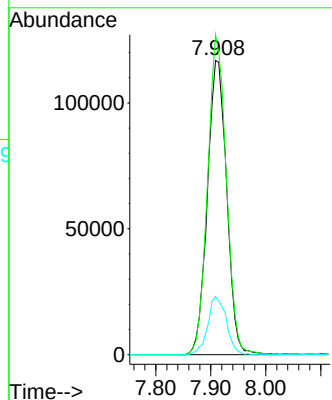
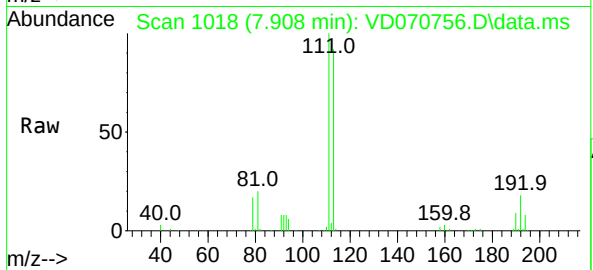
Tgt Ion:113 Resp: 286156

Ion Ratio Lower Upper

113 100

111 105.3 83.1 124.7

192 18.9 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.200 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD070756.D

Acq: 19 Oct 2021 14:05

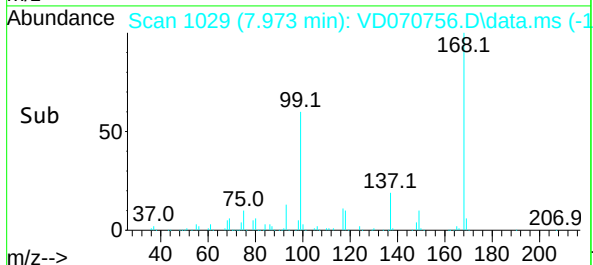
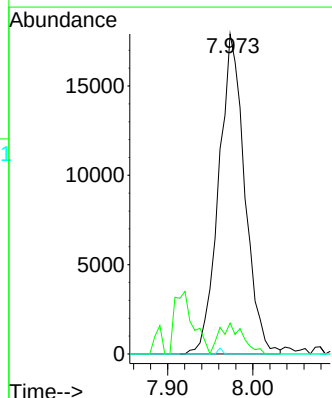
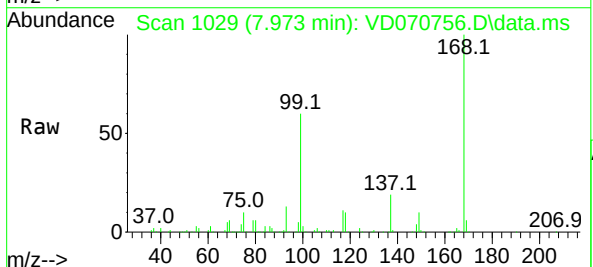
Tgt Ion: 75 Resp: 37938

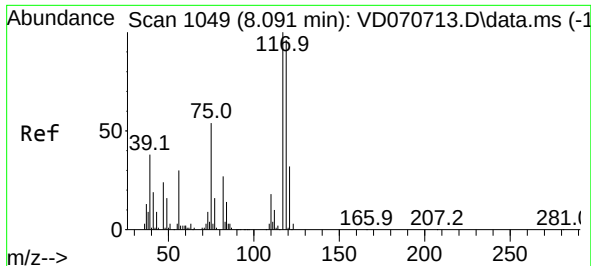
Ion Ratio Lower Upper

75 100

110 8.6 17.2 51.6#

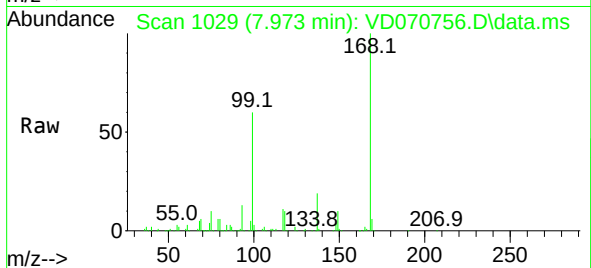
77 0.3 24.2 36.4#



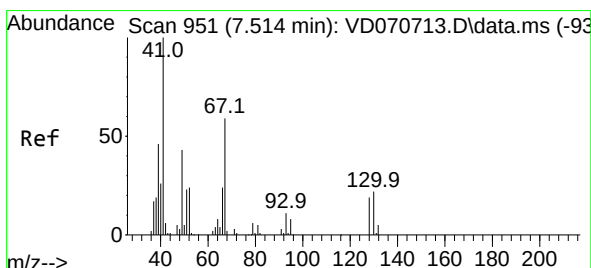
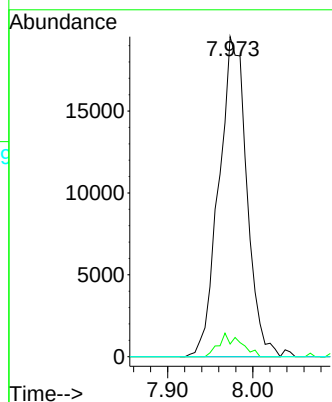
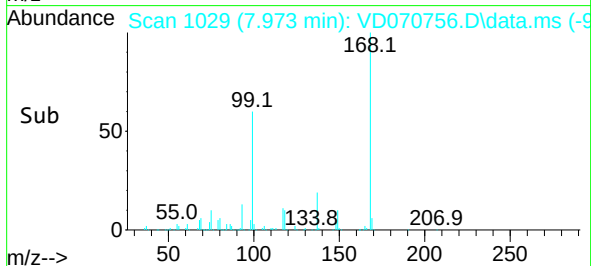


#38
Carbon Tetrachloride
Concen: 5.123 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

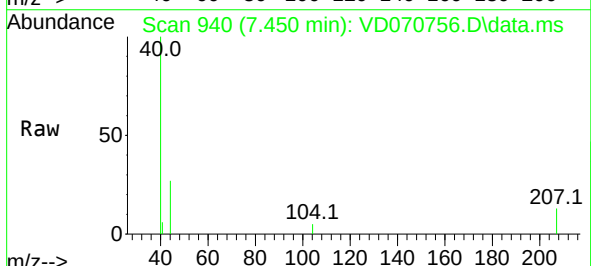
Instrument :
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ClientSampleId :
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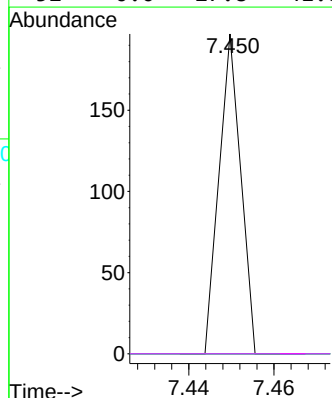
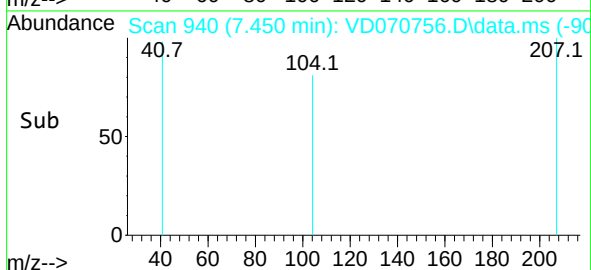
Tgt Ion:117 Resp: 44322
Ion Ratio Lower Upper
117 100
119 3.9 77.4 116.0#
121 0.0 25.4 38.0#

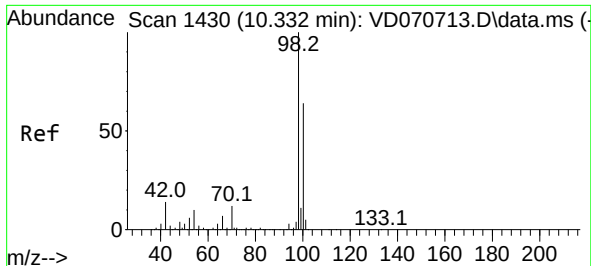


#41
Methacrylonitrile
Concen: 1.972 ug/l
RT: 7.450 min Scan# 940
Delta R.T. -0.064 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05



Tgt Ion: 41 Resp: 69
Ion Ratio Lower Upper
41 100
39 0.0 45.2 67.8#
67 0.0 75.8 113.6#
52 0.0 27.8 41.8#

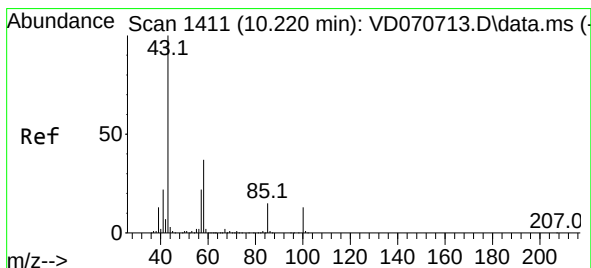
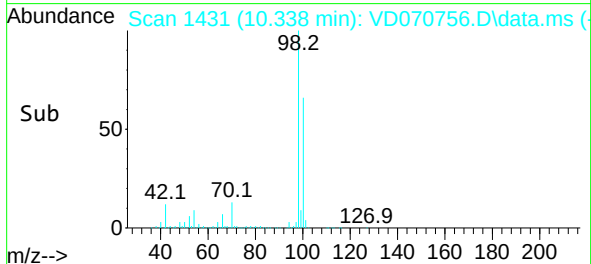
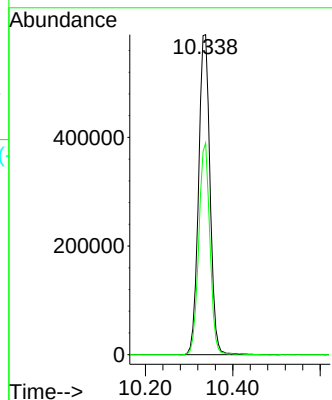
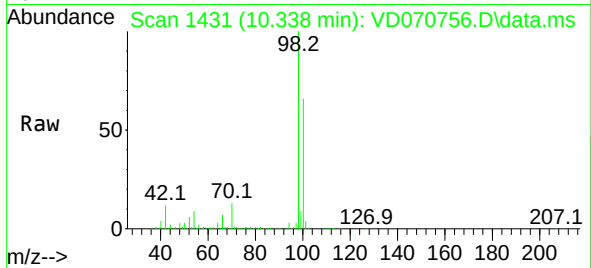




#50
Toluene-d8
Concen: 54.026 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

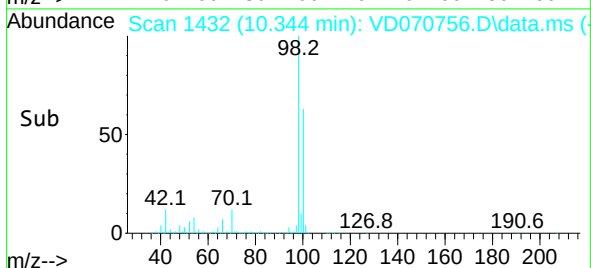
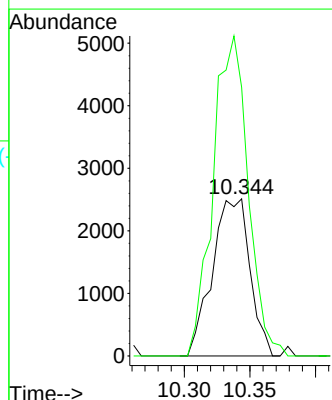
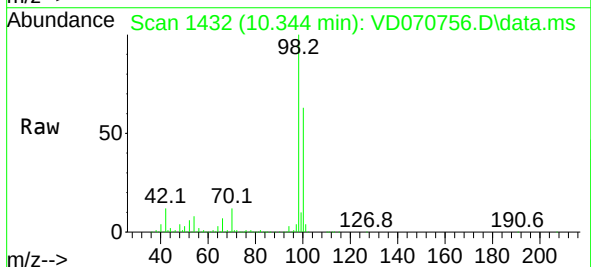
Instrument :
MSVOA_D
ClientSampleId :
MH-CA-(1)RE

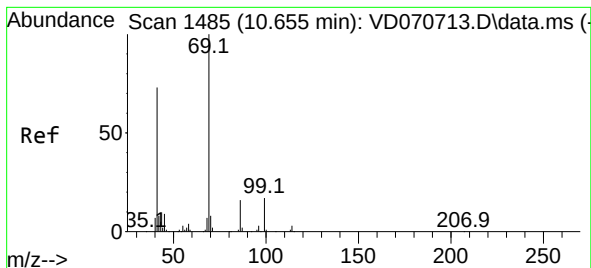
Tgt Ion: 98 Resp: 1075274
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.335 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.124 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

Tgt Ion: 43 Resp: 5023
Ion Ratio Lower Upper
43 100
58 189.0 35.0 52.6#

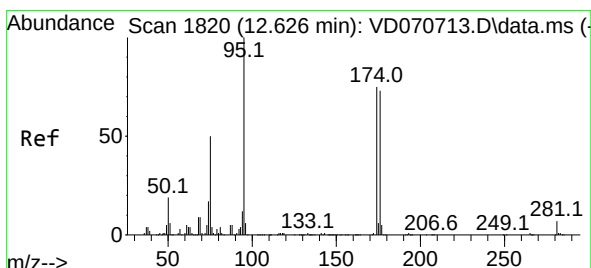
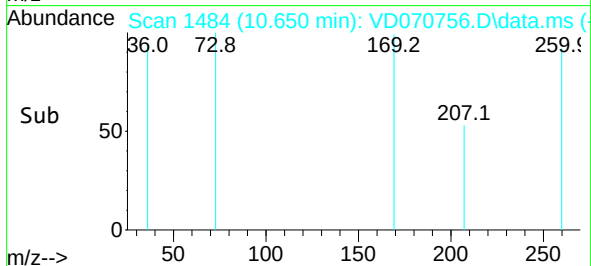
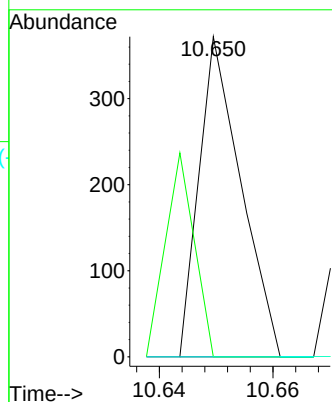
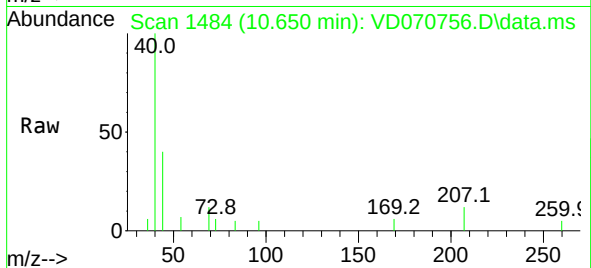




#56
Ethyl methacrylate
Concen: 4.184 ug/l
RT: 10.650 min Scan# 1484
Delta R.T. -0.005 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

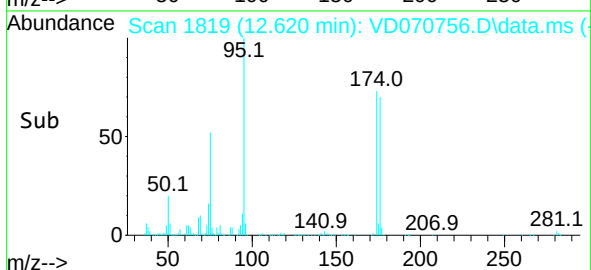
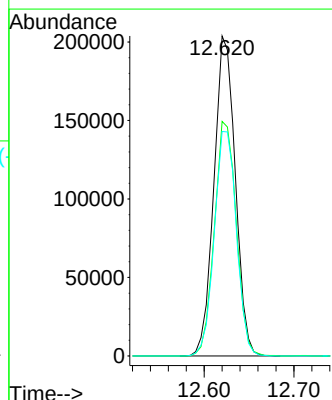
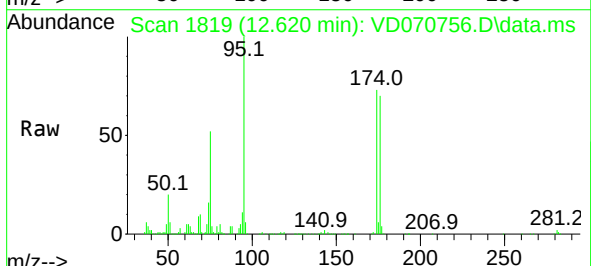
Instrument :
MSVOA_D
ClientSampleId :
MH-CA-(1)RE

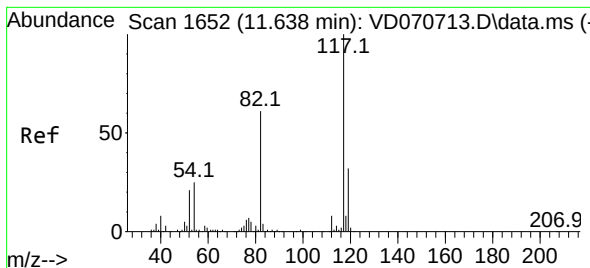
Tgt Ion: 69 Resp: 190
Ion Ratio Lower Upper
69 100
41 44.2 44.7 67.1#
39 0.0 19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 49.147 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

Tgt Ion: 95 Resp: 336816
Ion Ratio Lower Upper
95 100
174 75.1 0.0 138.0
176 72.6 0.0 135.6

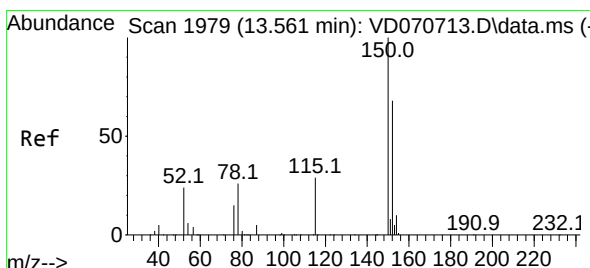
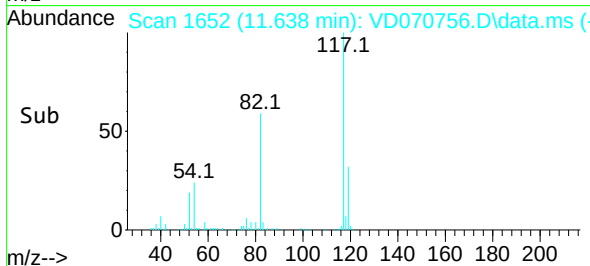
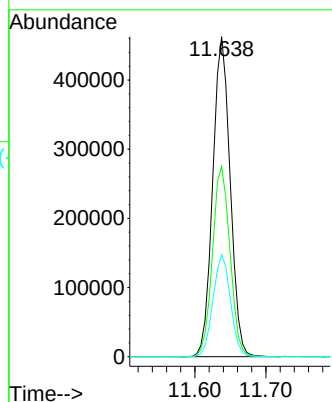
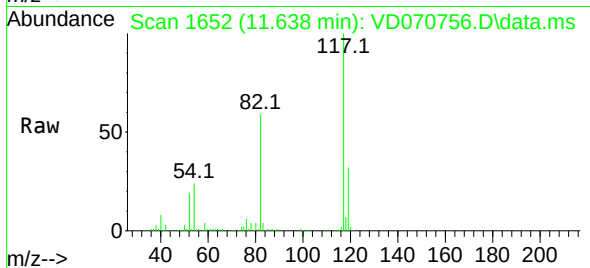




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

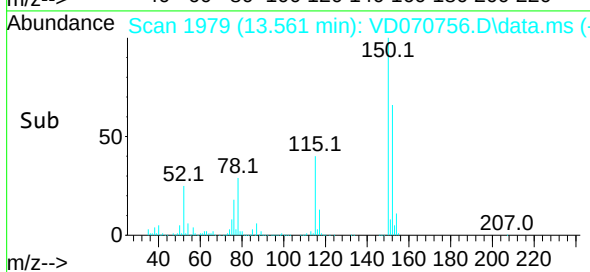
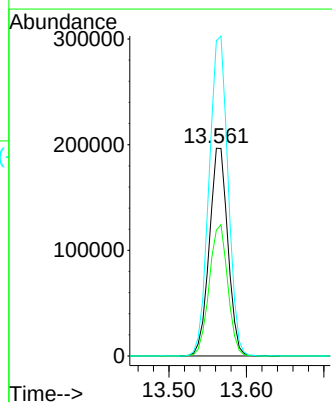
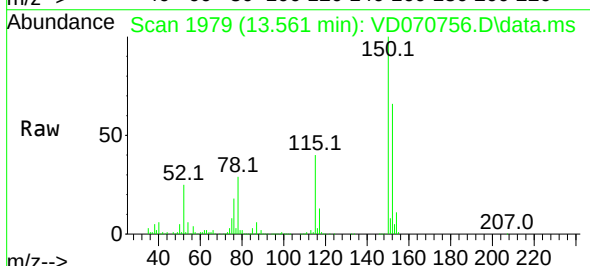
Instrument :
MSVOA_D
ClientSampleId :
MH-CA-(1)RE

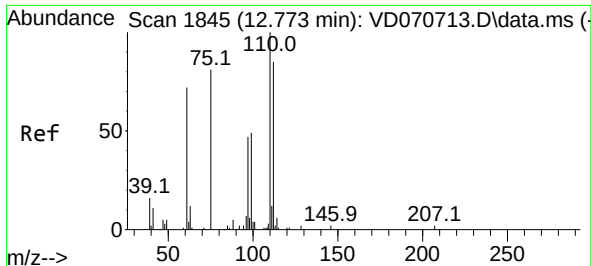
Tgt Ion:117 Resp: 787174
Ion Ratio Lower Upper
117 100
82 59.4 45.4 68.2
119 31.9 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

Tgt Ion:152 Resp: 326214
Ion Ratio Lower Upper
152 100
115 63.0 31.9 95.7
150 157.4 0.0 350.0

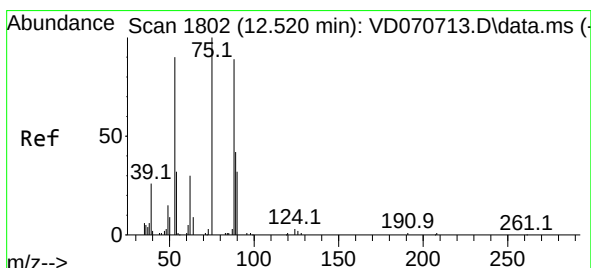
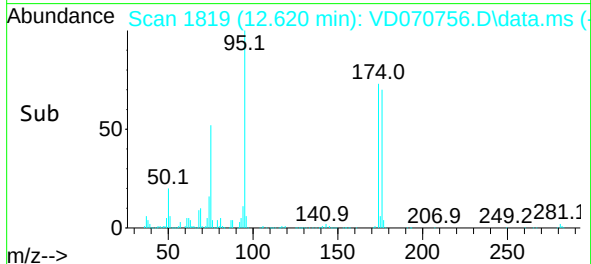
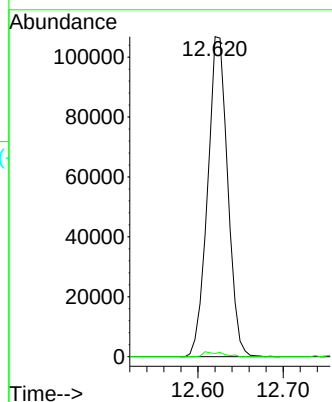
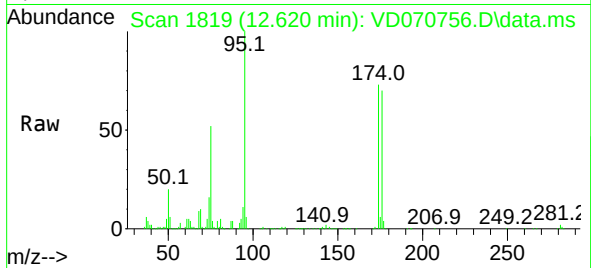




#76
1,2,3-Trichloropropane
Concen: 62.088 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

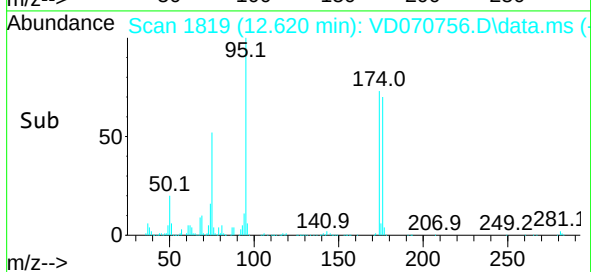
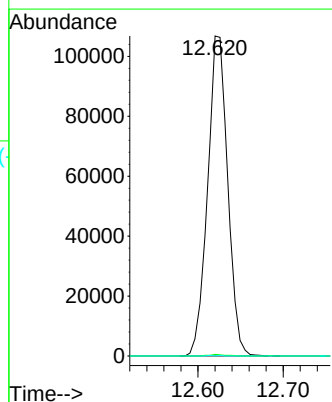
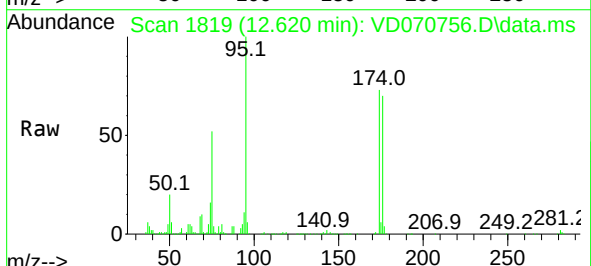
Instrument :
MSVOA_D
ClientSampleId :
MH-CA-(1)RE

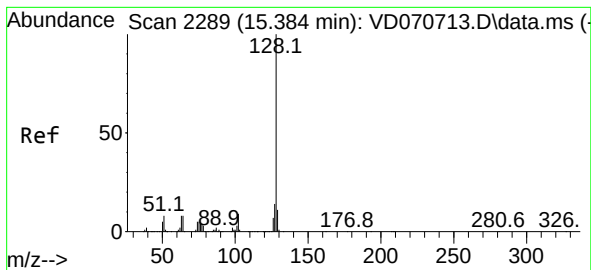
Tgt Ion: 75 Resp: 174985
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 135.991 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

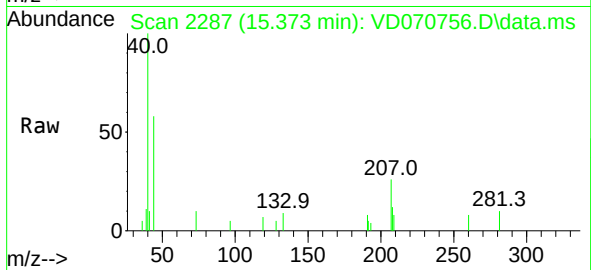
Tgt Ion: 75 Resp: 174985
Ion Ratio Lower Upper
75 100
53 0.4 64.5 96.7#
89 0.1 35.3 52.9#





#95
Naphthalene
Concen: 4.802 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.011 min
Lab File: VD070756.D
Acq: 19 Oct 2021 14:05

Instrument :
MSVOA_D
ClientSampleId :
MH-CA-(1)RE



Tgt Ion:128 Resp: 113
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

