

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102021\
 Data File : VD070785.D
 Acq On : 20 Oct 2021 19:39
 Operator : VA/SY
 Sample : M4285-13
 Misc : 6.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-GB-(1)

Quant Time: Oct 21 05:41:35 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)

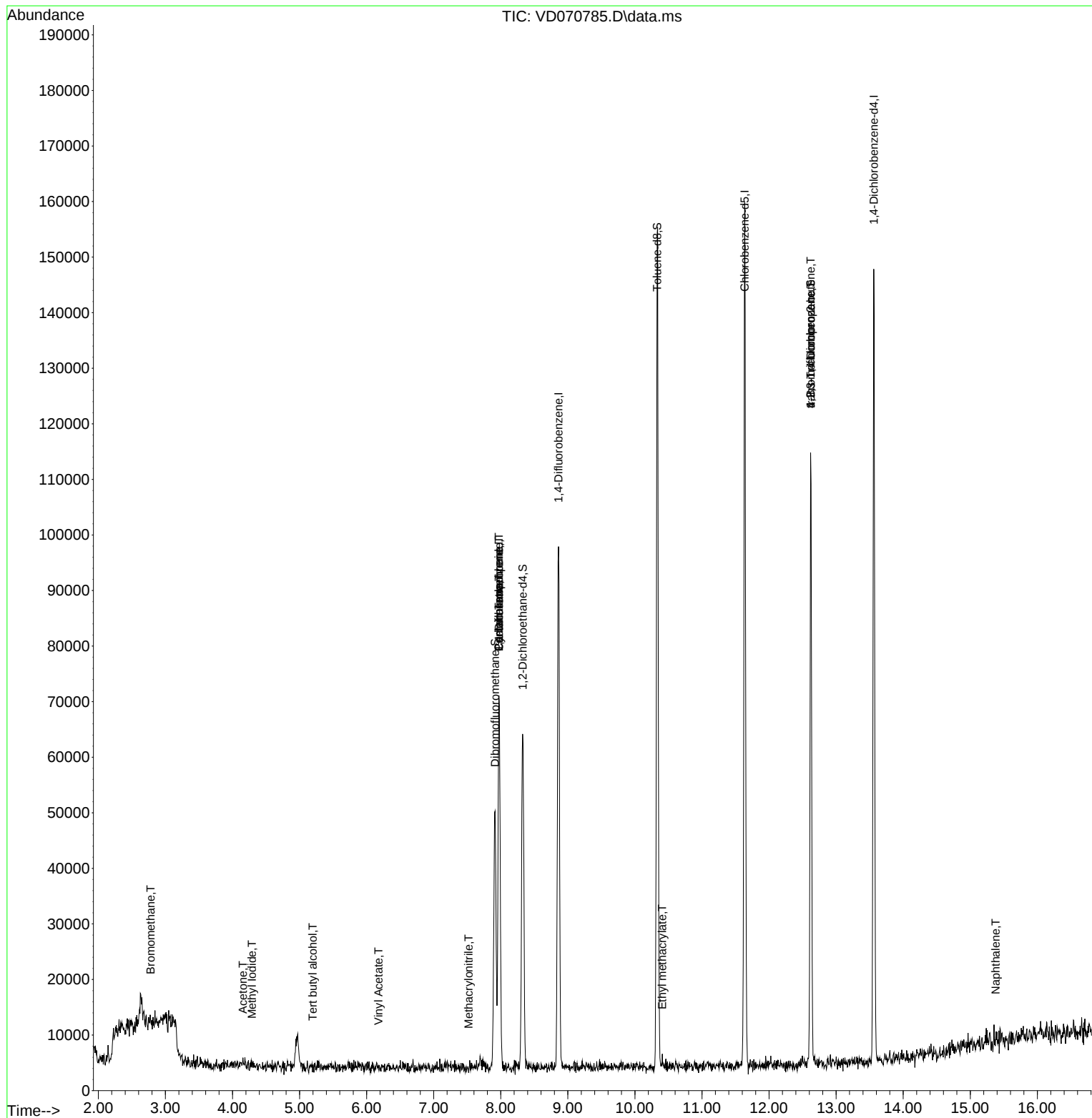
Internal Standards						
1) Pentafluorobenzene	7.973	168	46486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	76372	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	87263	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	37460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	51361	93.283	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 186.560%#	
35) Dibromofluoromethane	7.914	113	34129	69.791	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 139.580%	
50) Toluene-d8	10.332	98	101999	54.412	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.820%	
62) 4-Bromofluorobenzene	12.620	95	35704	55.315	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	517	1.026	ug/l	90
10) Methyl Iodide	4.291	142	65	3.424	ug/l #	38
11) Tert butyl alcohol	5.197	59	141	4.575	ug/l #	83
16) Acetone	4.156	43	712	5.361	ug/l #	40
23) Vinyl Acetate	6.179	43	57	16.383	ug/l #	69
31) Cyclohexane	7.973	56	1277	1.146	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	4801	5.643	ug/l #	44
38) Carbon Tetrachloride	7.973	117	5218	6.403	ug/l #	12
41) Methacrylonitrile	7.520	41	87	2.320	ug/l #	16
56) Ethyl methacrylate	10.408	69	143	4.382	ug/l #	32
76) 1,2,3-Trichloropropane	12.620	75	18046	55.760	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	18046	122.131	ug/l #	17
95) Naphthalene	15.379	128	214	4.952	ug/l #	69

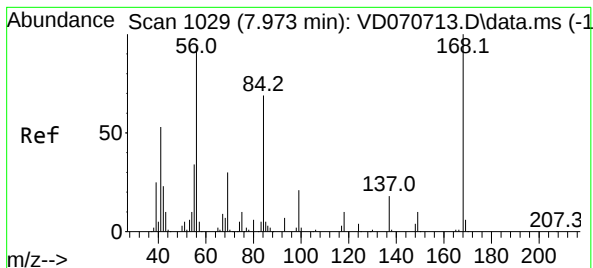
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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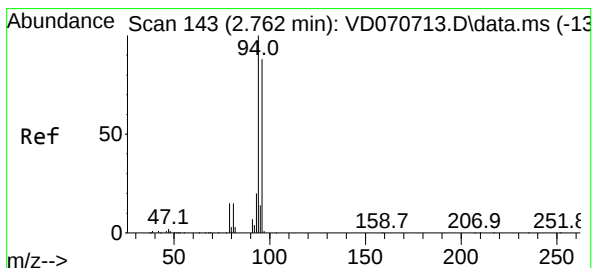
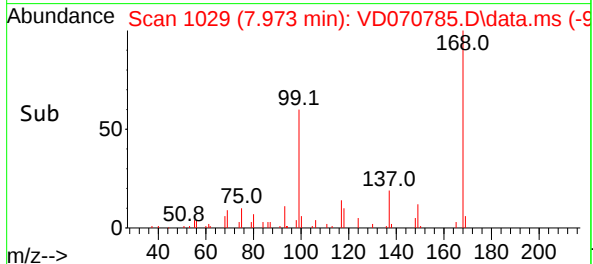
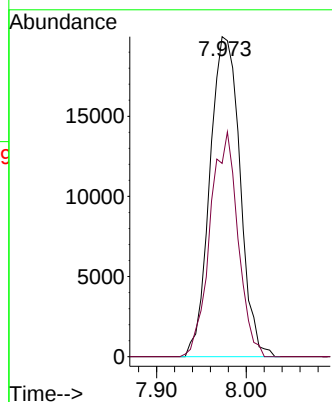
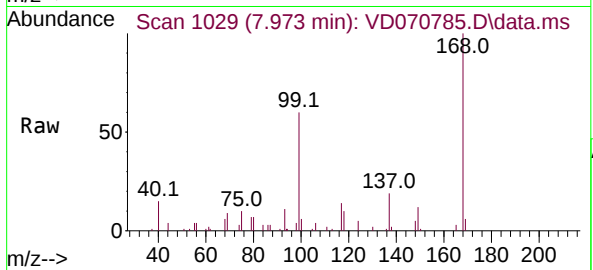




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

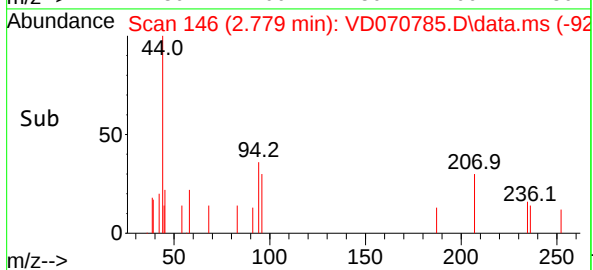
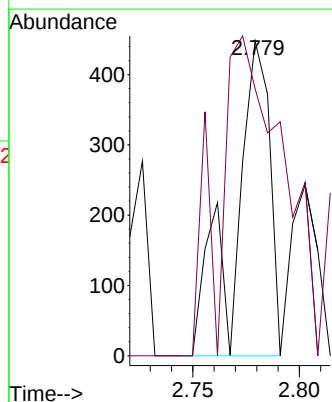
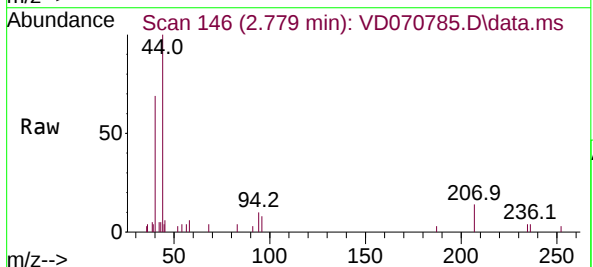
Instrument :
MSVOA_D
ClientSampleId :
MH-GB-(1)

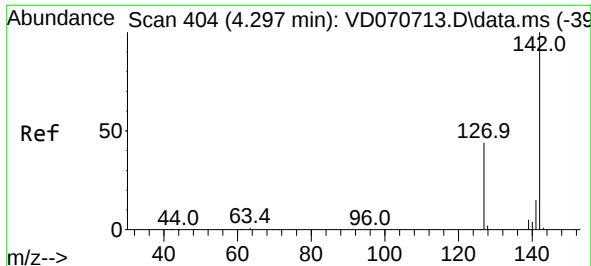
Tgt Ion:168 Resp: 46486
Ion Ratio Lower Upper
168 100
99 60.4 51.4 77.0



#5
Bromomethane
Concen: 1.026 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.018 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

Tgt Ion: 94 Resp: 517
Ion Ratio Lower Upper
94 100
96 84.8 75.5 113.3

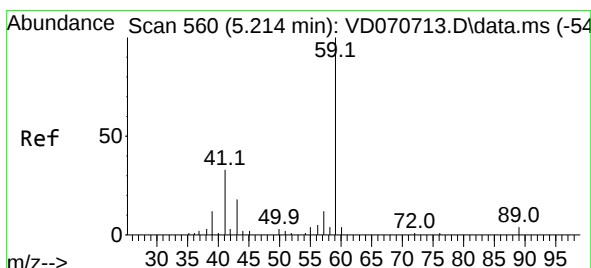
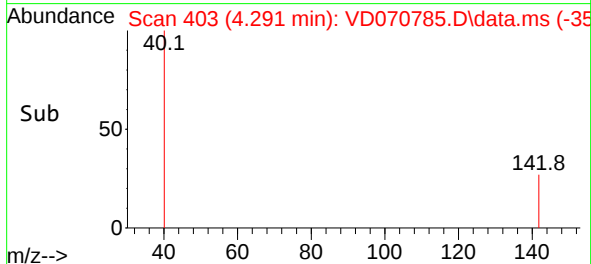
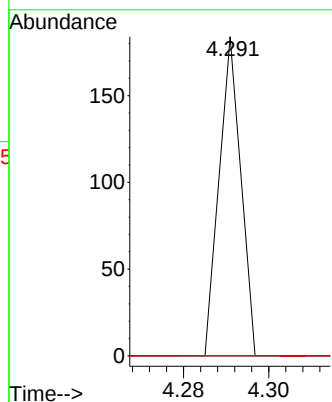
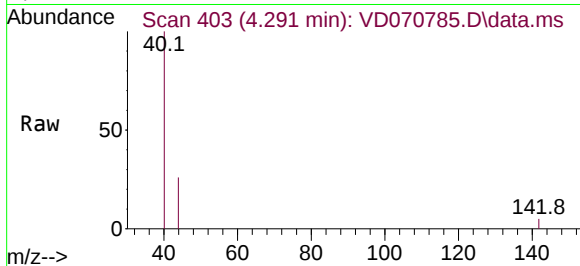




#10
Methyl Iodide
Concen: 3.424 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

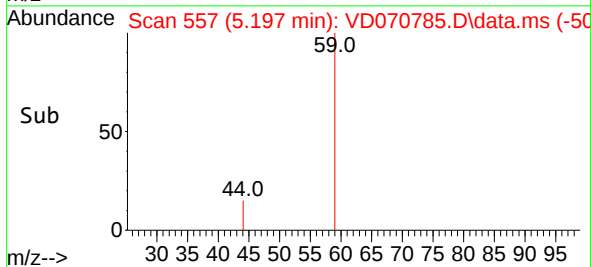
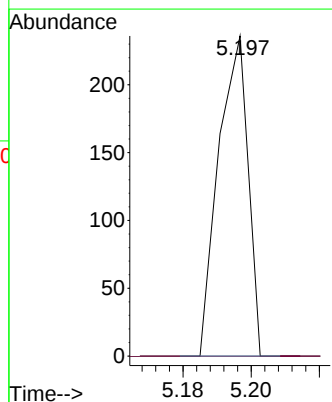
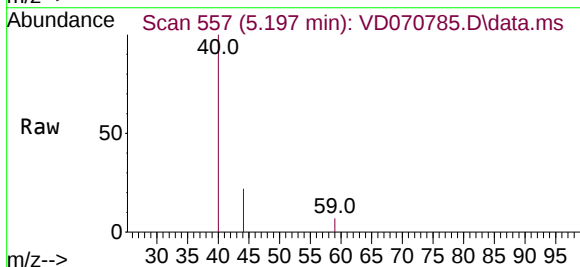
Instrument :
MSVOA_D
ClientSampleId :
MH-GB-(1)

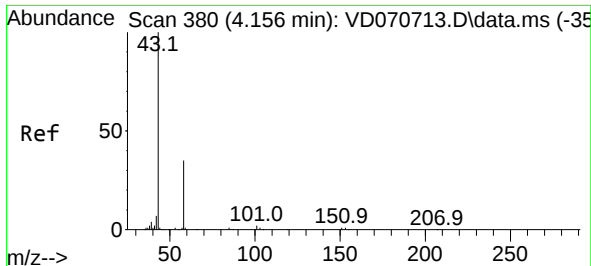
Tgt Ion:142 Resp: 65
Ion Ratio Lower Upper
142 100
127 0.0 37.5 56.3#
141 0.0 12.1 18.1#



#11
Tert butyl alcohol
Concen: 4.575 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.018 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

Tgt Ion: 59 Resp: 141
Ion Ratio Lower Upper
59 100
57 0.0 4.5 6.7#

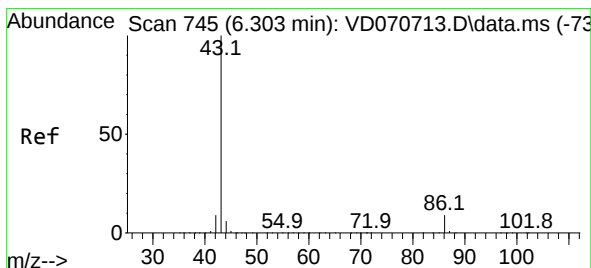
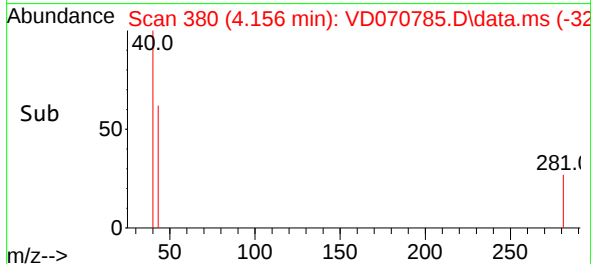
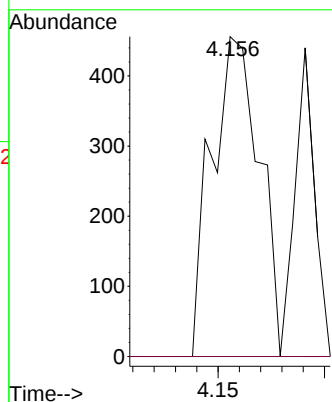
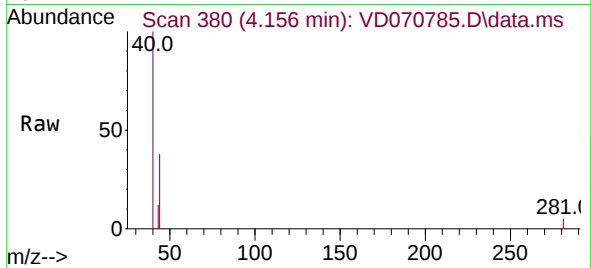




#16
Acetone
Concen: 5.361 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

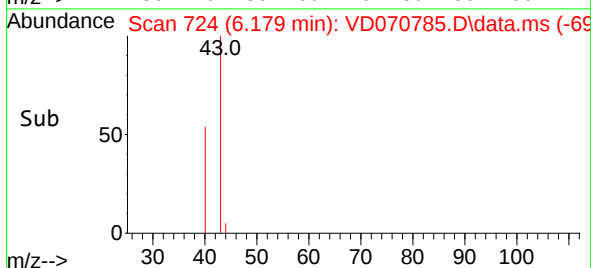
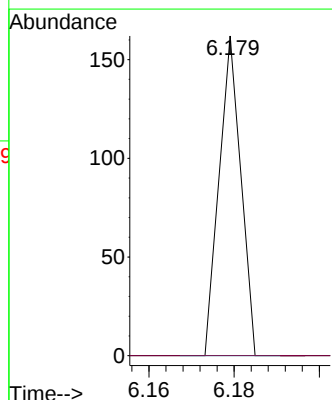
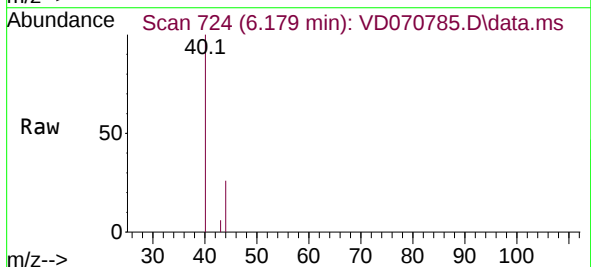
Instrument :
MSVOA_D
ClientSampleId :
MH-GB-(1)

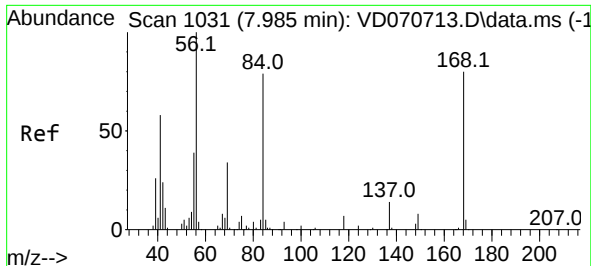
Tgt Ion: 43 Resp: 712
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#23
Vinyl Acetate
Concen: 16.383 ug/l
RT: 6.179 min Scan# 724
Delta R.T. -0.124 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

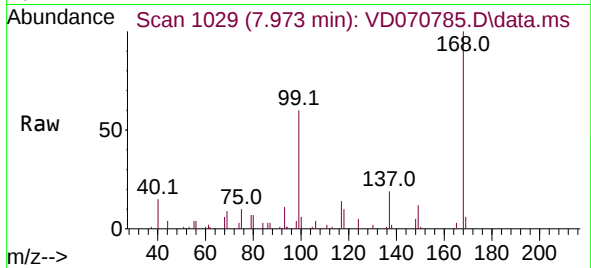
Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
86 0.0 9.8 14.6#



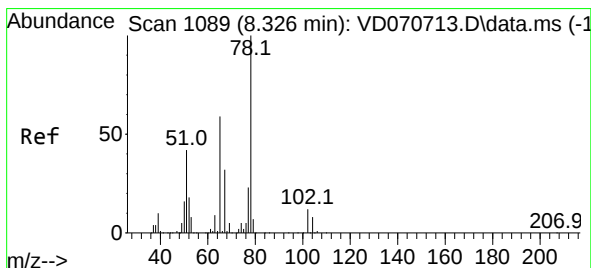
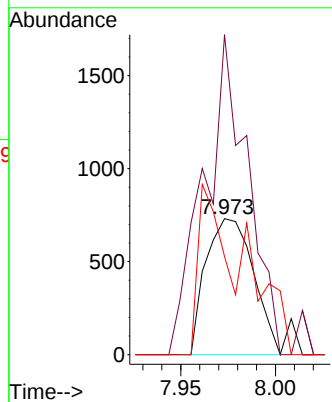
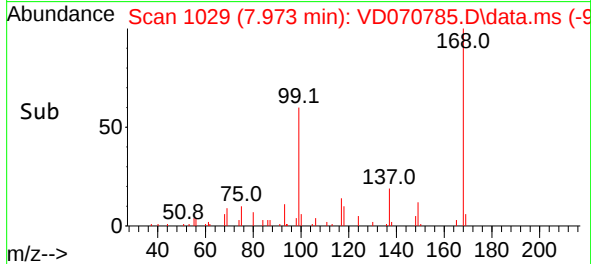


#31
Cyclohexane
Concen: 1.146 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

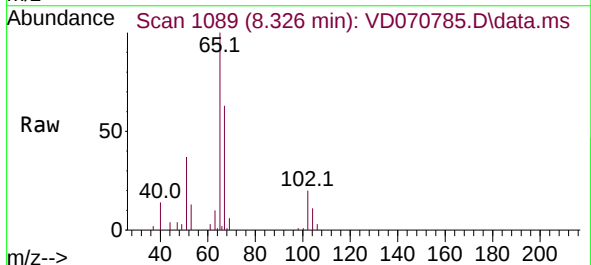
Instrument :
MSVOA_D
ClientSampleId :
MH-GB-(1)



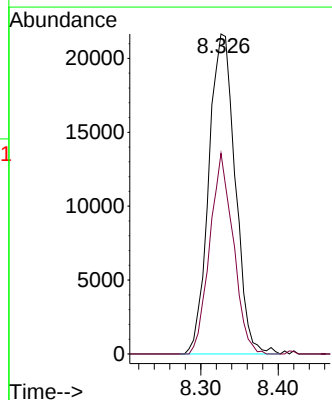
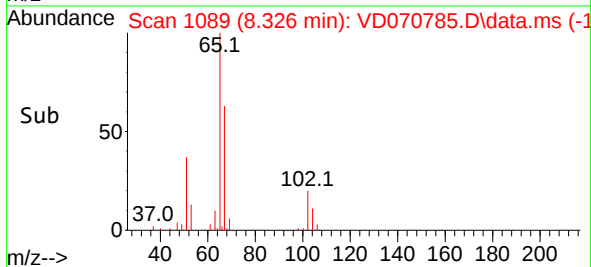
Tgt Ion: 56 Resp: 1277
Ion Ratio Lower Upper
56 100
69 235.3 27.4 41.2#
84 72.2 73.6 110.4#

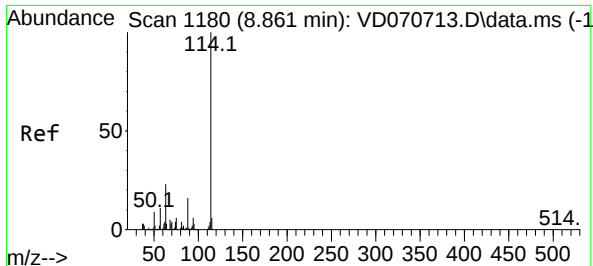


#33
1,2-Dichloroethane-d4
Concen: 93.283 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39



Tgt Ion: 65 Resp: 51361
Ion Ratio Lower Upper
65 100
67 55.6 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: VD070785.D

Acq: 20 Oct 2021 19:39

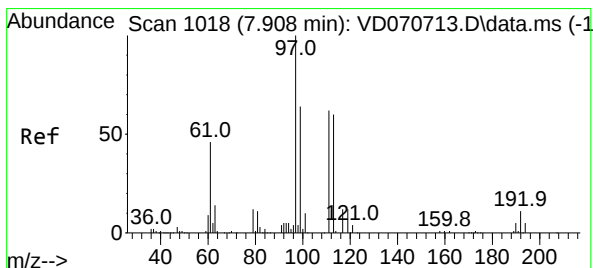
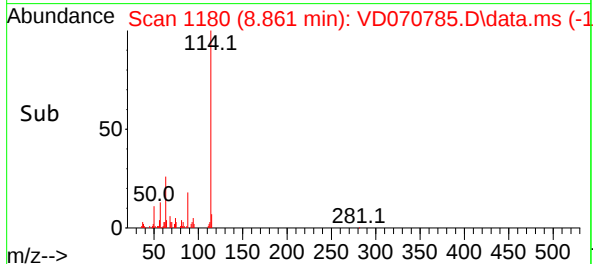
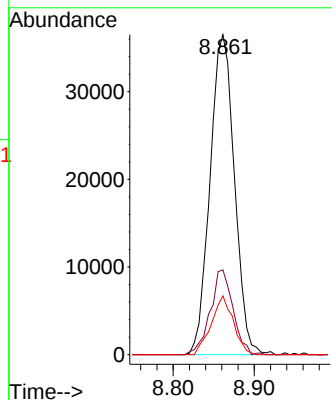
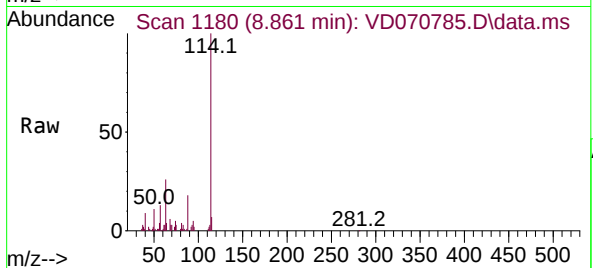
Tgt Ion:114 Resp: 76372

Ion Ratio Lower Upper

114 100

63 26.5 0.0 41.8

88 18.4 0.0 32.6



#35

Dibromofluoromethane

Concen: 69.791 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD070785.D

Acq: 20 Oct 2021 19:39

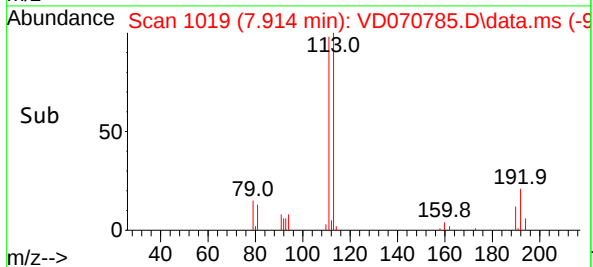
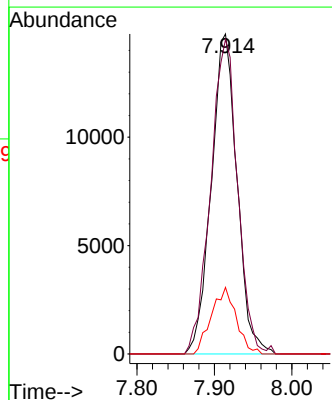
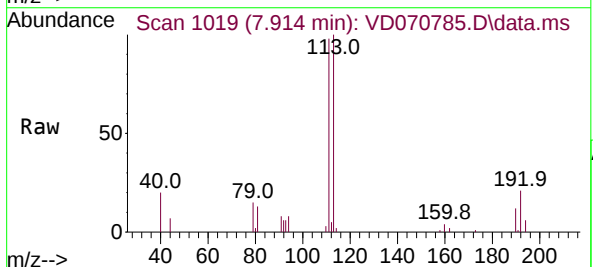
Tgt Ion:113 Resp: 34129

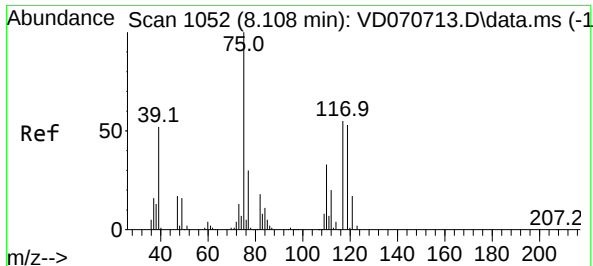
Ion Ratio Lower Upper

113 100

111 103.0 83.1 124.7

192 20.0 12.7 19.1#

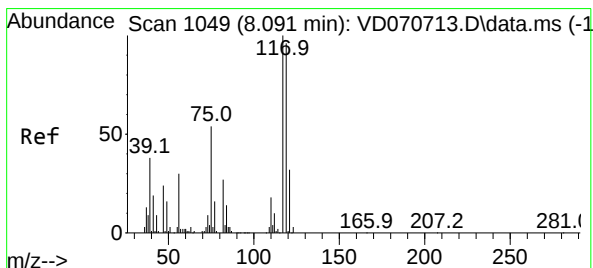
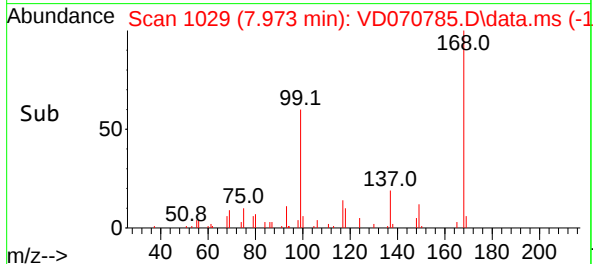
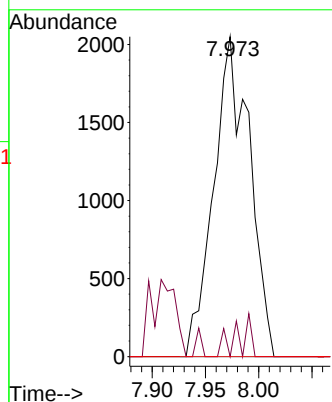
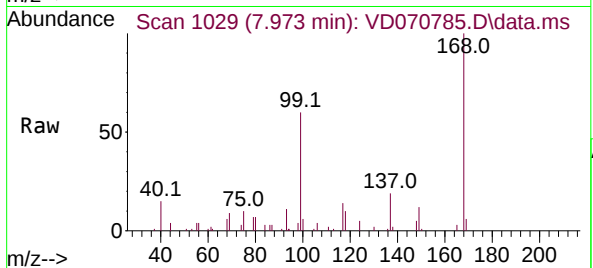




#36
1,1-Dichloropropene
Concen: 5.643 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

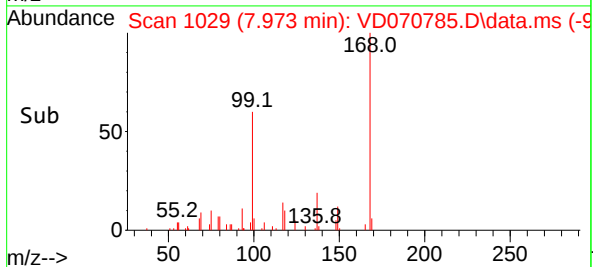
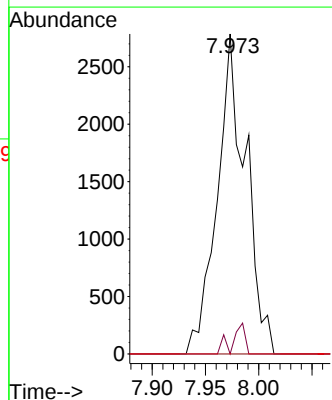
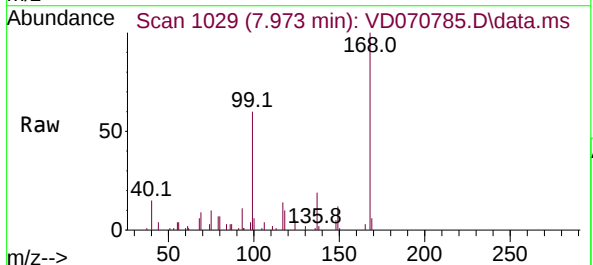
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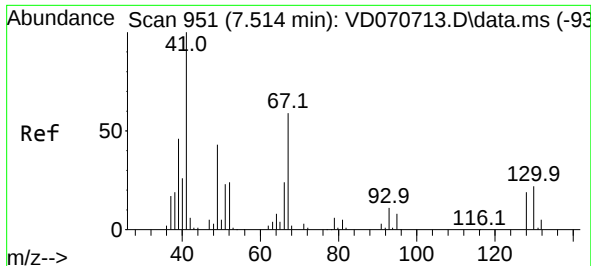
Tgt Ion: 75 Resp: 4801
Ion Ratio Lower Upper
75 100
110 1.7 17.2 51.6#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 6.403 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

Tgt Ion: 117 Resp: 5218
Ion Ratio Lower Upper
117 100
119 0.0 77.4 116.0#
121 0.0 25.4 38.0#

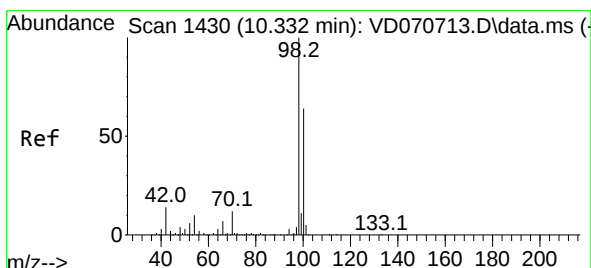
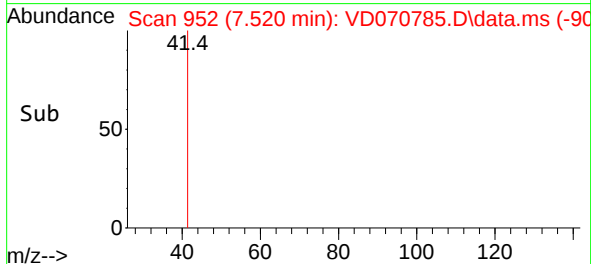
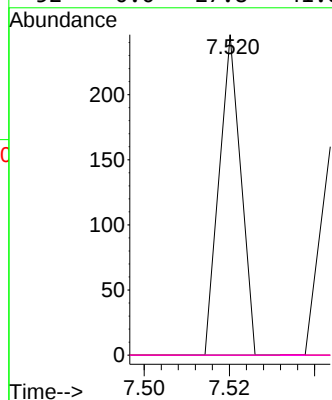
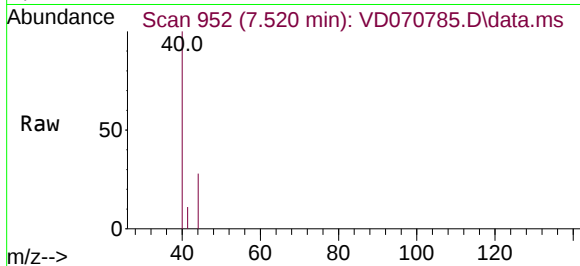




#41
Methacrylonitrile
Concen: 2.320 ug/l
RT: 7.520 min Scan# 952
Delta R.T. 0.006 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

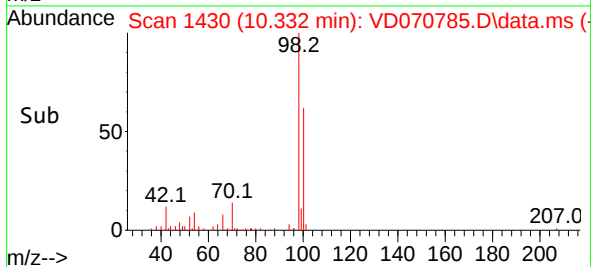
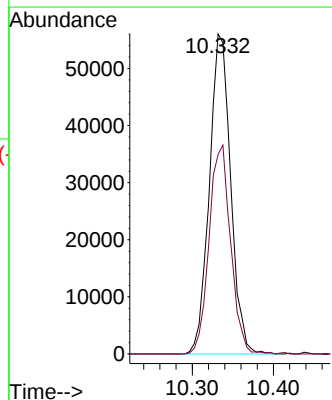
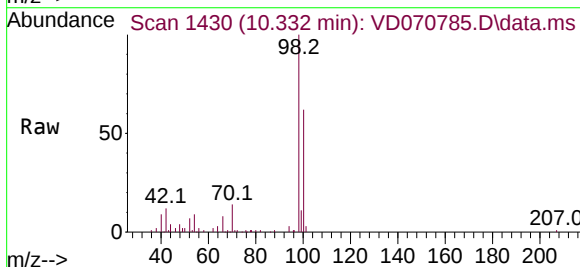
Instrument :
MSVOA_D
ClientSampleId :
MH-GB-(1)

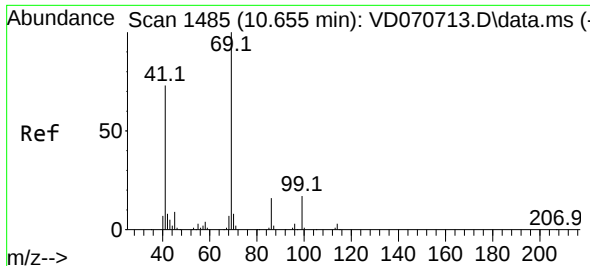
Tgt Ion: 41	Resp: 87
Ion Ratio	Lower Upper
41 100	
39 0.0	45.2 67.8#
67 0.0	75.8 113.6#
52 0.0	27.8 41.8#



#50
Toluene-d8
Concen: 54.412 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

Tgt Ion: 98	Resp: 101999
Ion Ratio	Lower Upper
98 100	
100 65.9	52.2 78.4

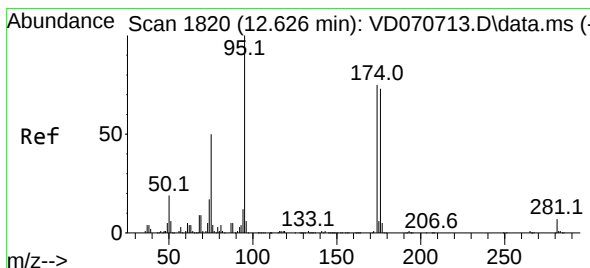
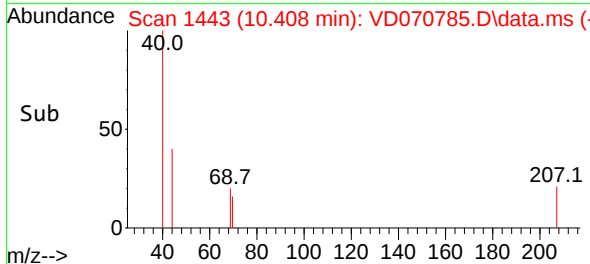
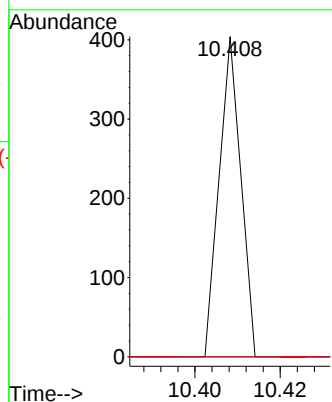
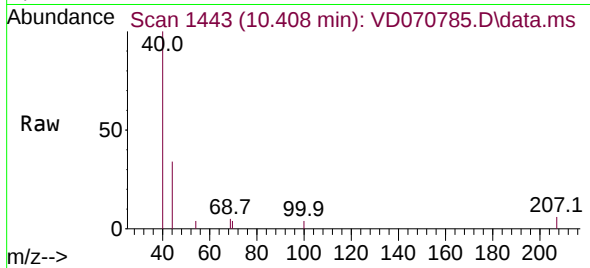




#56
Ethyl methacrylate
Concen: 4.382 ug/l
RT: 10.408 min Scan# 1443
Delta R.T. -0.247 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

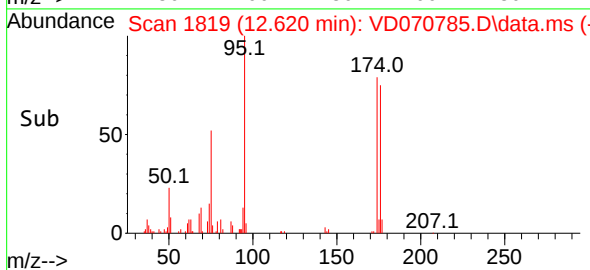
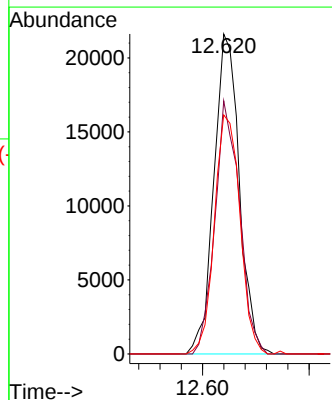
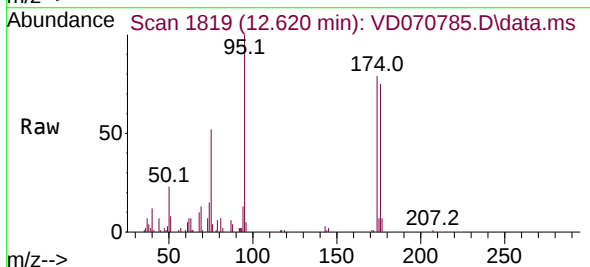
Instrument :
MSVOA_D
ClientSampleId :
MH-GB-(1)

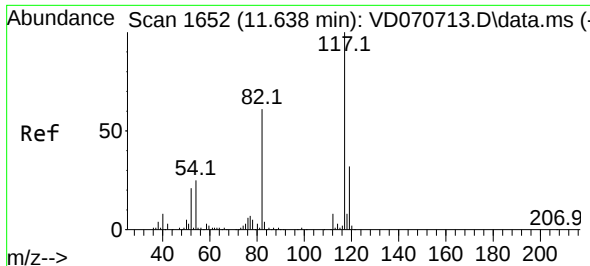
Tgt Ion: 69 Resp: 143
Ion Ratio Lower Upper
69 100
41 0.0 44.7 67.1#
39 0.0 19.5 29.3#



#62
4-Bromofluorobenzene
Concen: 55.315 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

Tgt Ion: 95 Resp: 35704
Ion Ratio Lower Upper
95 100
174 76.9 0.0 138.0
176 75.3 0.0 135.6

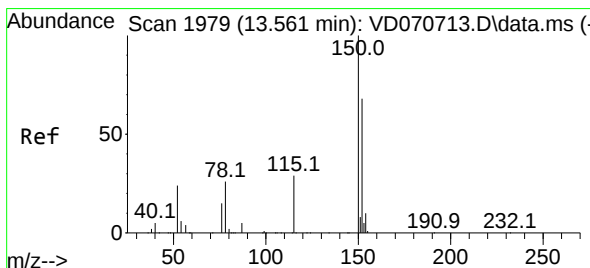
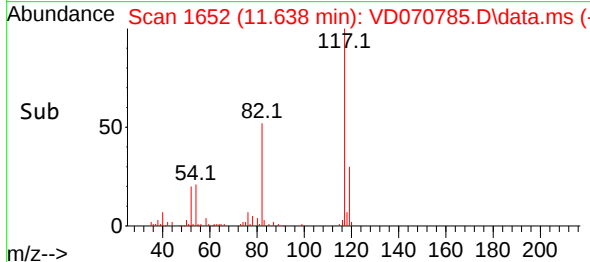
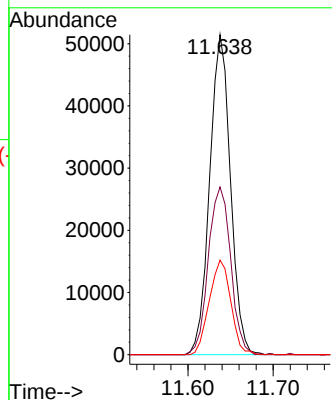
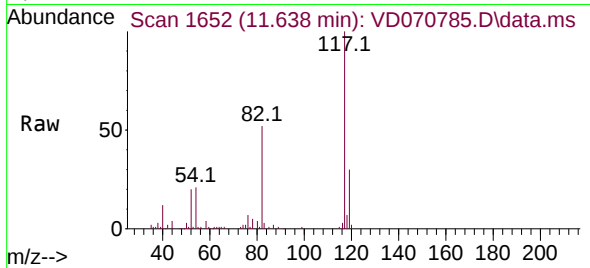




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

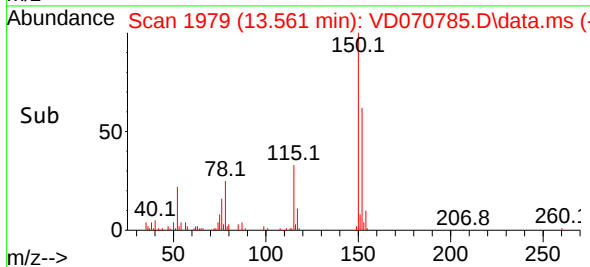
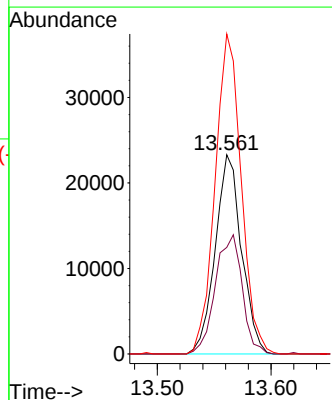
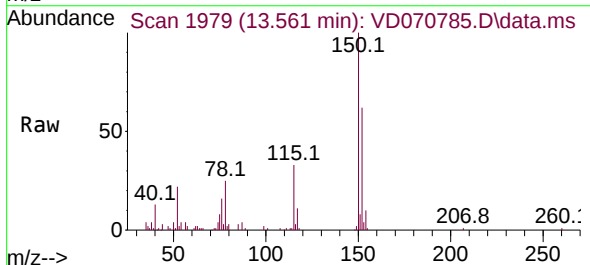
Instrument :
MSVOA_D
ClientSampleId :
MH-GB-(1)

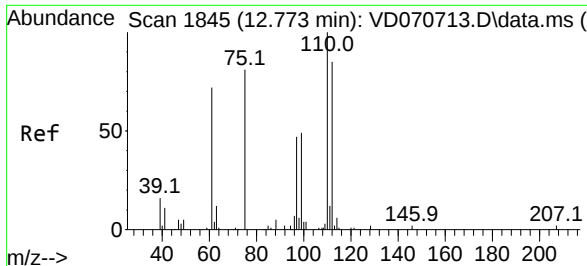
Tgt Ion:117 Resp: 87263
Ion Ratio Lower Upper
117 100
82 52.4 45.4 68.2
119 29.5 24.7 37.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

Tgt Ion:152 Resp: 37460
Ion Ratio Lower Upper
152 100
115 61.0 31.9 95.7
150 159.5 0.0 350.0

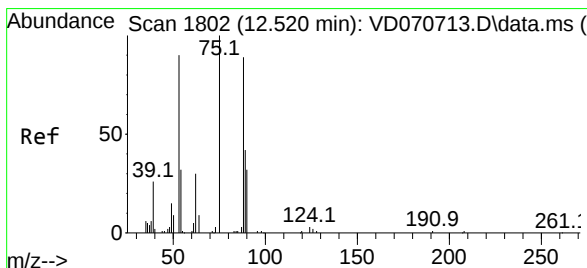
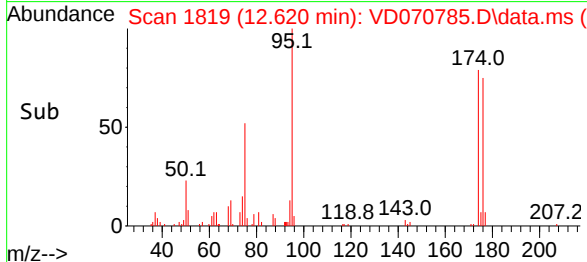
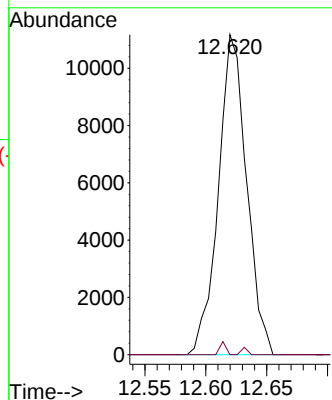
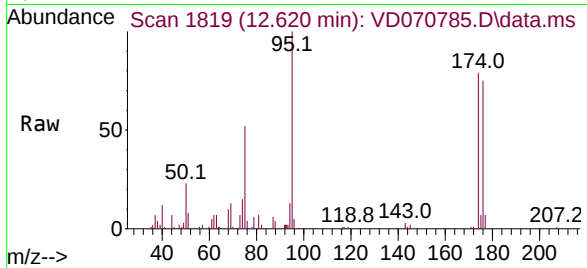




#76
1,2,3-Trichloropropane
Concen: 55.760 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

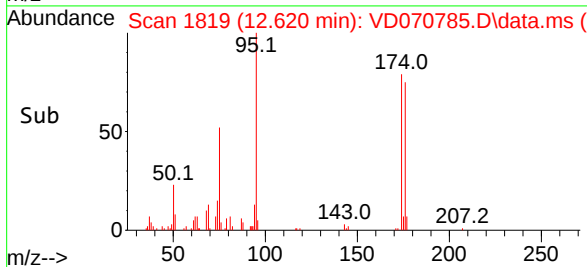
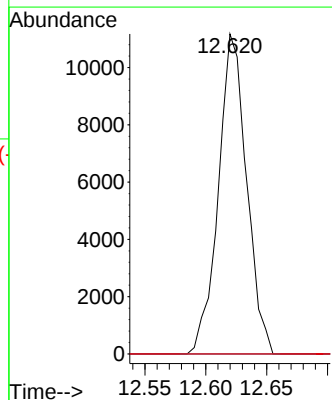
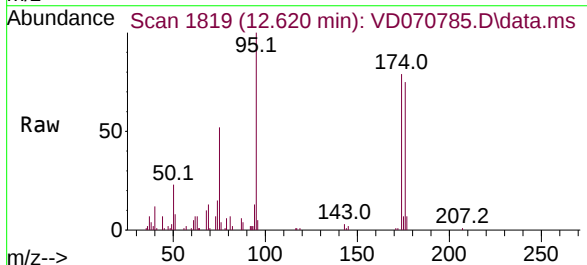
Instrument :
MSVOA_D
ClientSampleId :
MH-GB-(1)

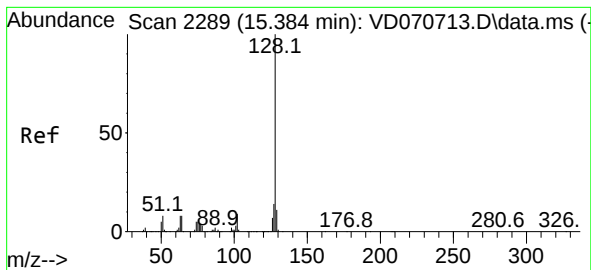
Tgt Ion: 75 Resp: 18046
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.131 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

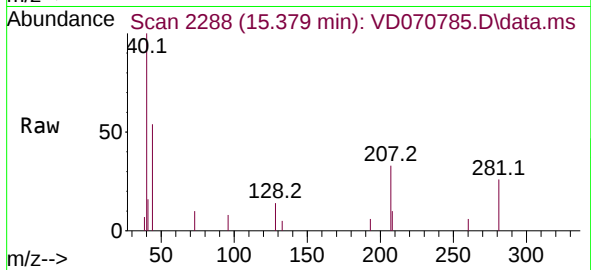
Tgt Ion: 75 Resp: 18046
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#





#95
Naphthalene
Concen: 4.952 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD070785.D
Acq: 20 Oct 2021 19:39

Instrument :
MSVOA_D
ClientSampleId :
MH-GB-(1)



Tgt Ion:128 Resp: 214
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 8.6 12.8#

