

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111621\
 Data File : VD071044.D
 Acq On : 16 Nov 2021 15:11
 Operator : VA/SY
 Sample : M4659-01
 Misc : 6.94G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HB-2-(6-6.5)-11-10-21

Quant Time: Nov 17 03:24:13 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

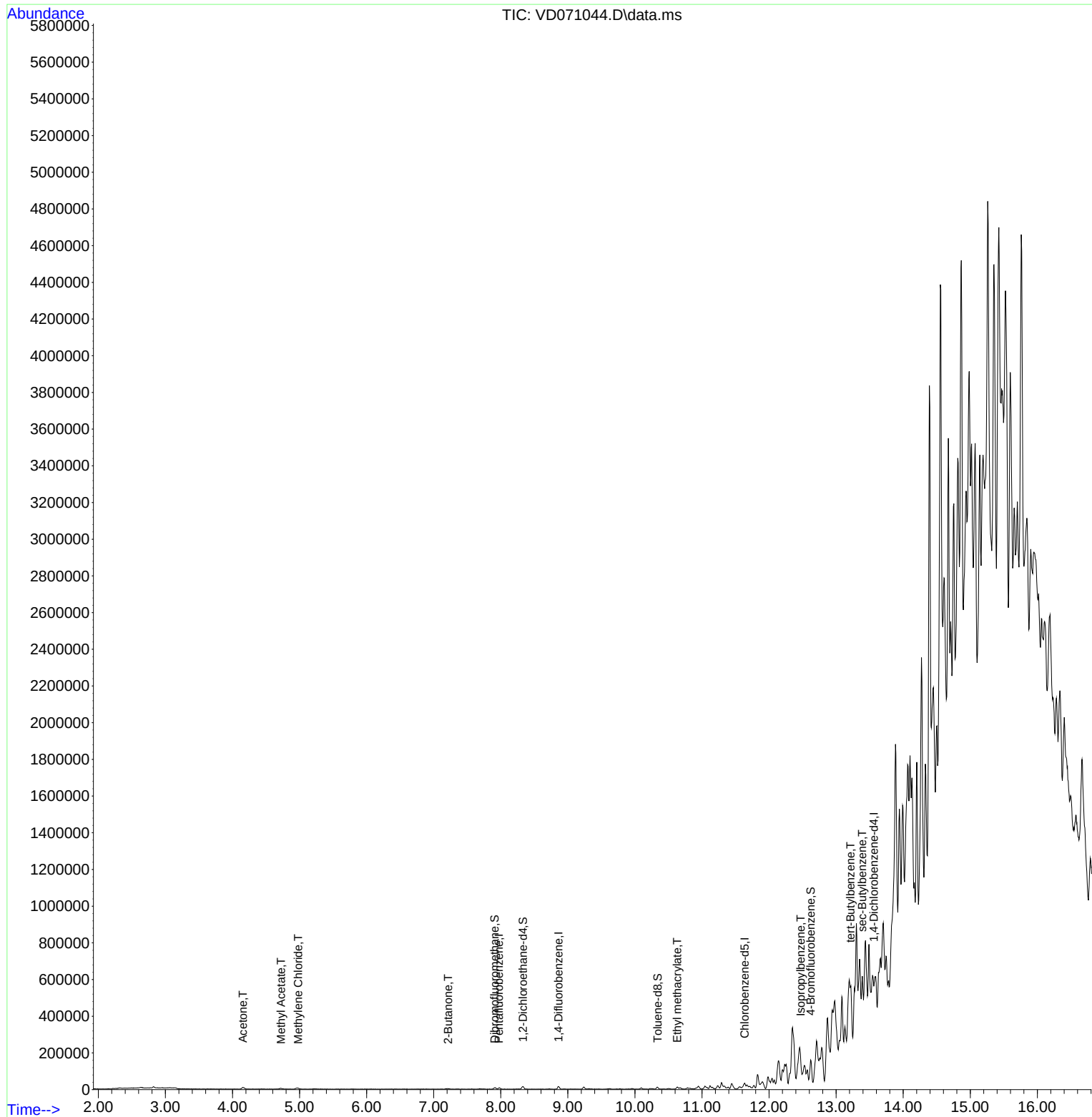
Internal Standards						
1) Pentafluorobenzene	7.973	168	5606	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	11668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	11741	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	23330m	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	10885	182.367	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 364.740%#	
35) Dibromofluoromethane	7.908	113	5342	81.136	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 162.280%#	
50) Toluene-d8	10.338	98	7030	27.264	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 54.520%	
62) 4-Bromofluorobenzene	12.620	95	18707	201.497	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 403.000%#	
Target Compounds						
						Qvalue
16) Acetone	4.156	43	15913	928.853	ug/l	98
18) Methyl Acetate	4.726	43	7848	153.261	ug/l	94
20) Methylene Chloride	4.979	84	4305	63.552	ug/l	# 78
25) 2-Butanone	7.214	43	4618	224.001	ug/l	# 85
56) Ethyl methacrylate	10.632	69	4090	55.691	ug/l	93
73) Isopropylbenzene	12.473	105	3125	1.859	ug/l	95
83) tert-Butylbenzene	13.214	119	7202	6.042	ug/l	# 47
85) sec-Butylbenzene	13.390	105	16425	9.165	ug/l	# 39

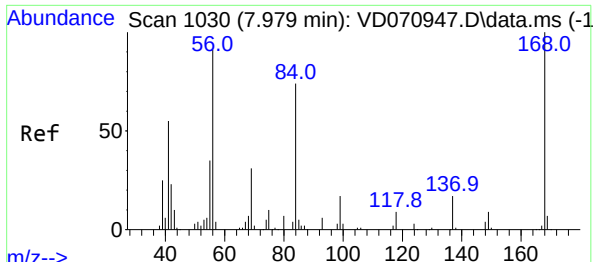
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

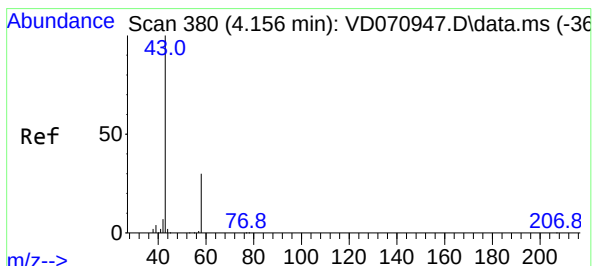
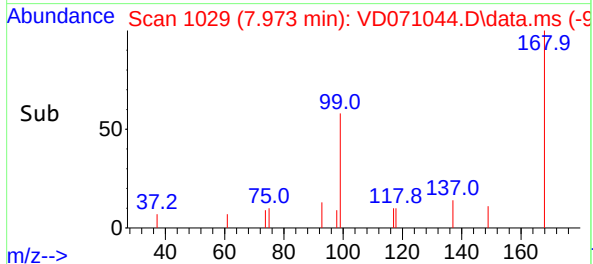
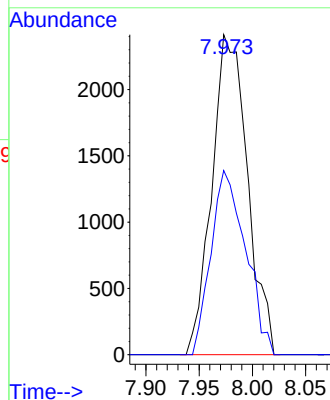
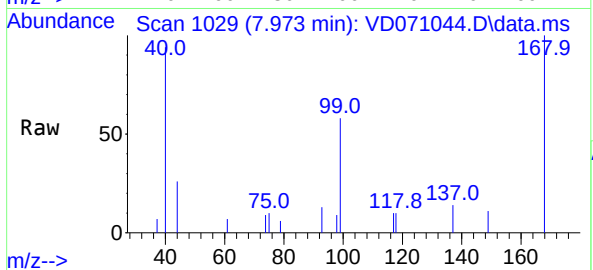




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071044.D
Acq: 16 Nov 2021 15:11

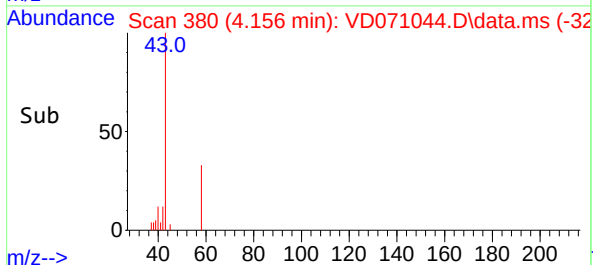
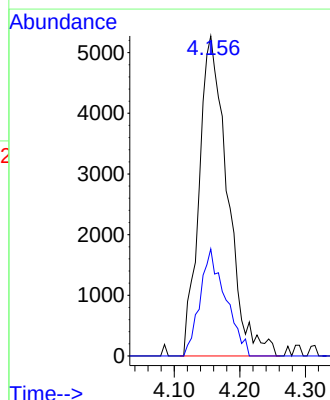
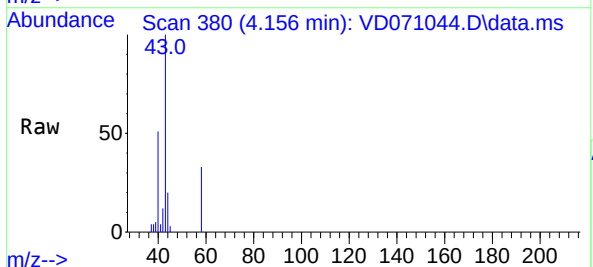
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(6-6.5)-11-10-21

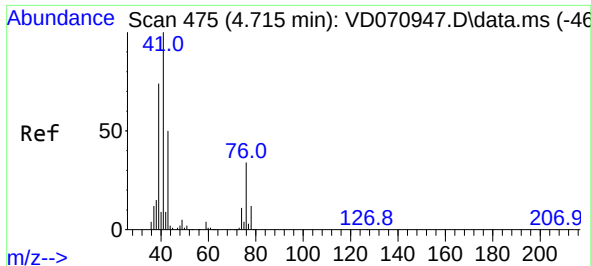
Tgt Ion:168 Resp: 5606
Ion Ratio Lower Upper
168 100
99 57.5 46.6 69.8



#16
Acetone
Concen: 928.853 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071044.D
Acq: 16 Nov 2021 15:11

Tgt Ion: 43 Resp: 15913
Ion Ratio Lower Upper
43 100
58 33.5 27.8 41.8

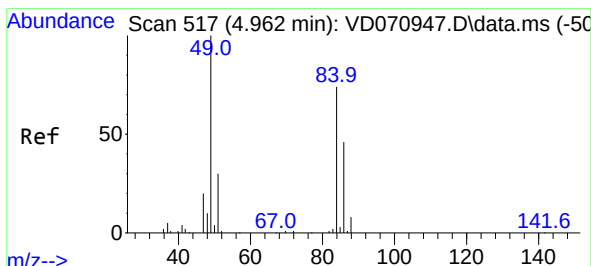
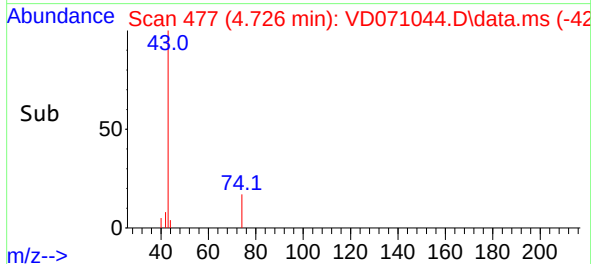
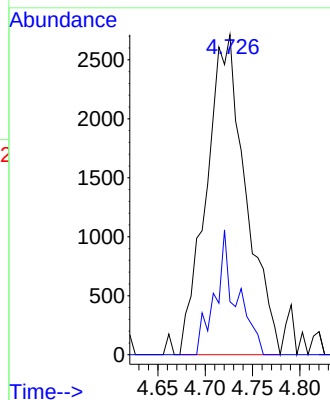
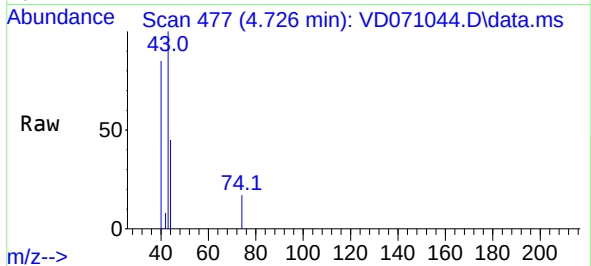




#18
Methyl Acetate
Concen: 153.261 ug/l
RT: 4.726 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD071044.D
Acq: 16 Nov 2021 15:11

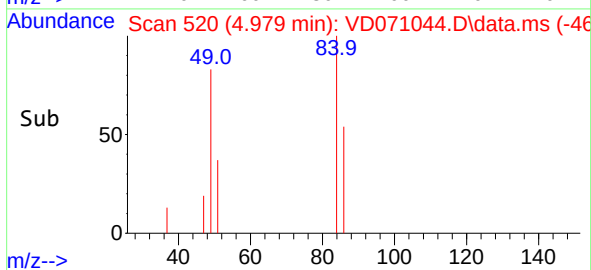
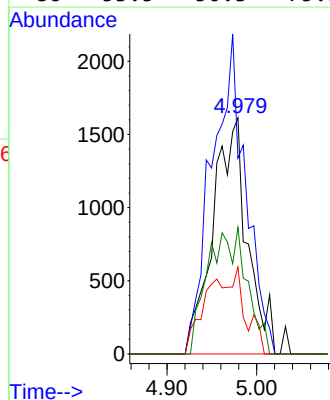
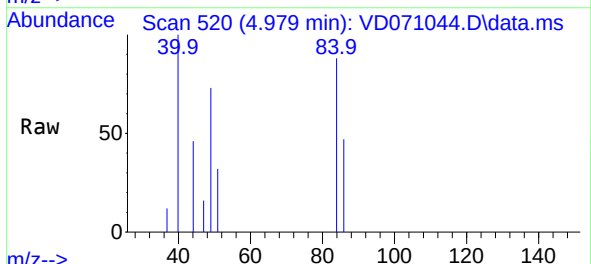
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(6-6.5)-11-10-21

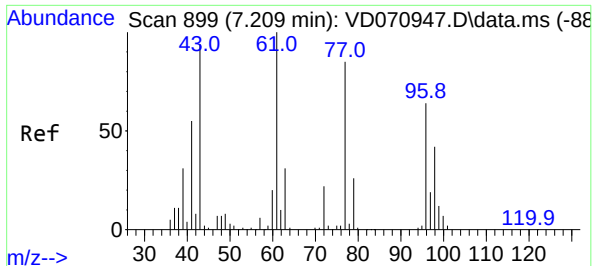
Tgt Ion: 43 Resp: 7848
Ion Ratio Lower Upper
43 100
74 21.3 19.3 28.9



#20
Methylene Chloride
Concen: 63.552 ug/l
RT: 4.979 min Scan# 520
Delta R.T. 0.017 min
Lab File: VD071044.D
Acq: 16 Nov 2021 15:11

Tgt Ion: 84 Resp: 4305
Ion Ratio Lower Upper
84 100
49 82.9 95.8 143.6#
51 36.8 30.9 46.3
86 53.5 50.3 75.5

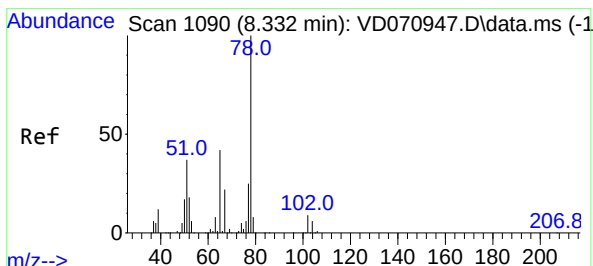
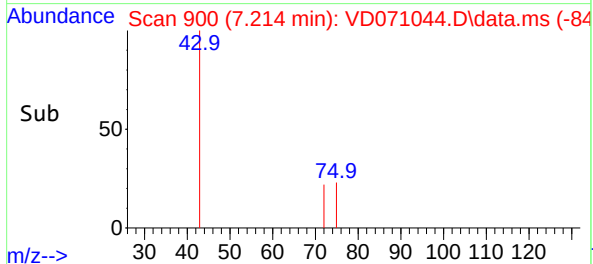
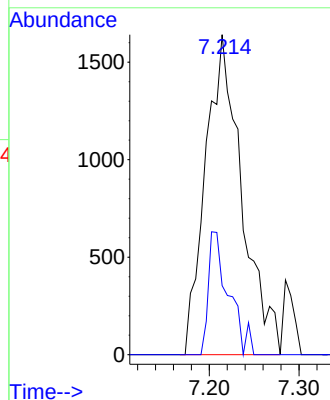
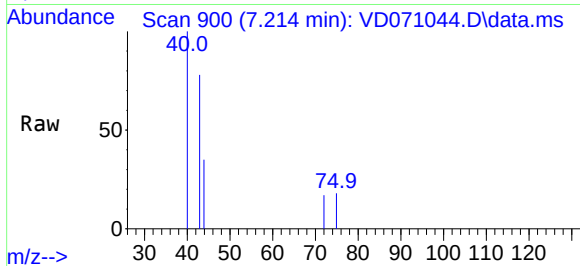




#25
2-Butanone
Concen: 224.001 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.005 min
Lab File: VD071044.D
Acq: 16 Nov 2021 15:11

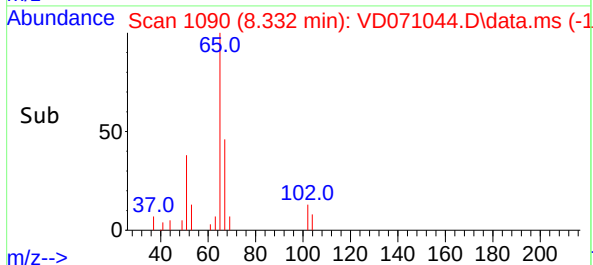
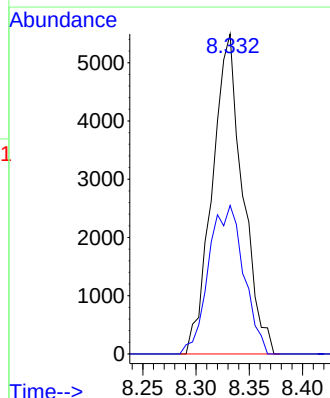
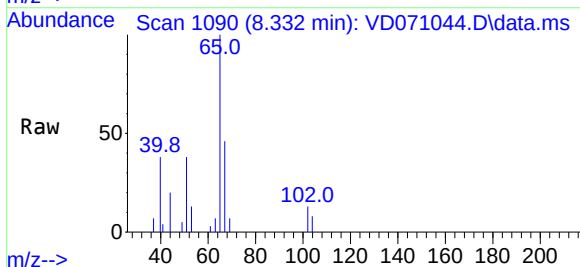
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(6-6.5)-11-10-21

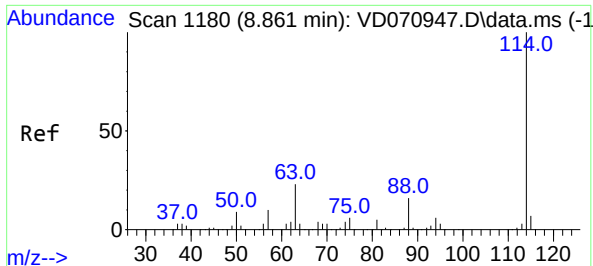
Tgt Ion: 43 Resp: 4618
Ion Ratio Lower Upper
43 100
72 21.6 23.8 35.6#



#33
1,2-Dichloroethane-d4
Concen: 182.367 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD071044.D
Acq: 16 Nov 2021 15:11

Tgt Ion: 65 Resp: 10885
Ion Ratio Lower Upper
65 100
67 53.6 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD071044.D

Acq: 16 Nov 2021 15:11

Instrument :

MSVOA_D

ClientSampleId :

HB-2-(6-6.5)-11-10-21

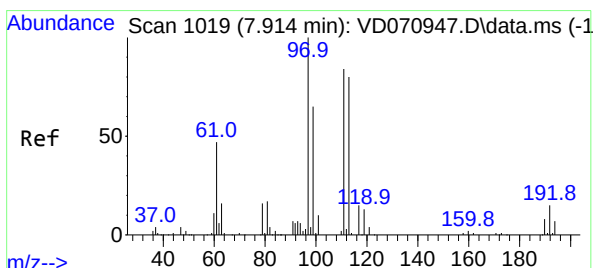
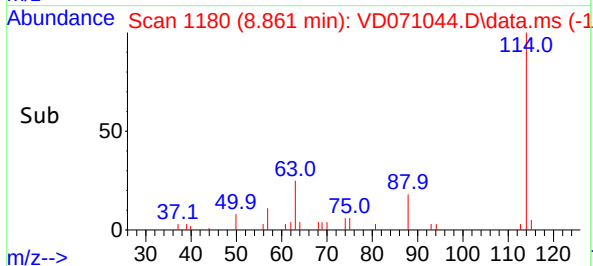
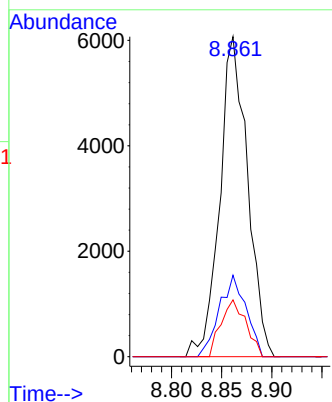
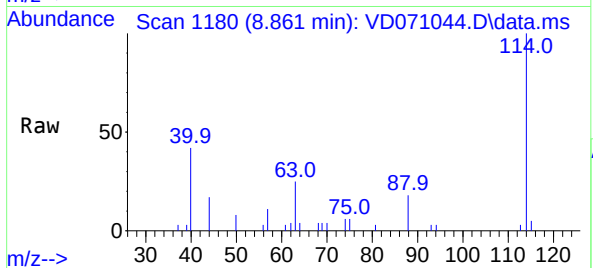
Tgt Ion:114 Resp: 11668

Ion Ratio Lower Upper

114 100

63 25.4 0.0 41.8

88 17.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 81.136 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD071044.D

Acq: 16 Nov 2021 15:11

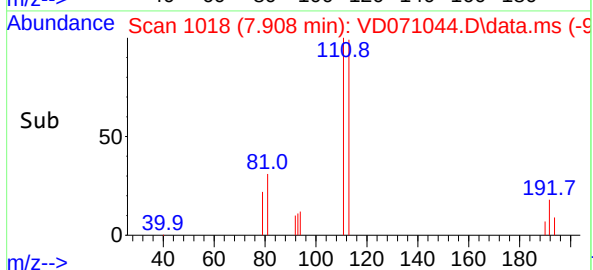
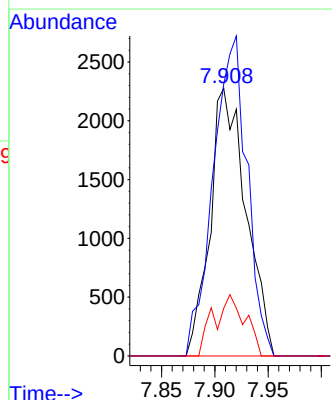
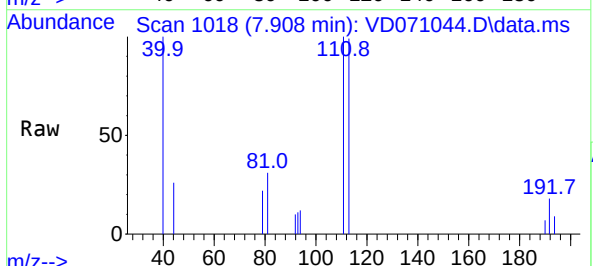
Tgt Ion:113 Resp: 5342

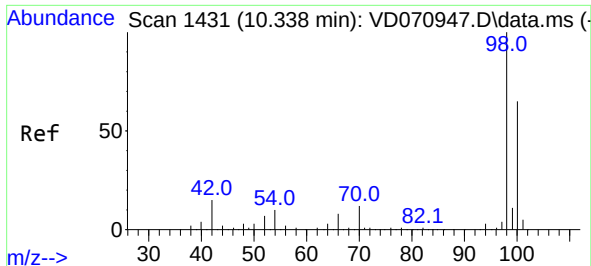
Ion Ratio Lower Upper

113 100

111 112.5 82.0 123.0

192 19.9 15.2 22.8

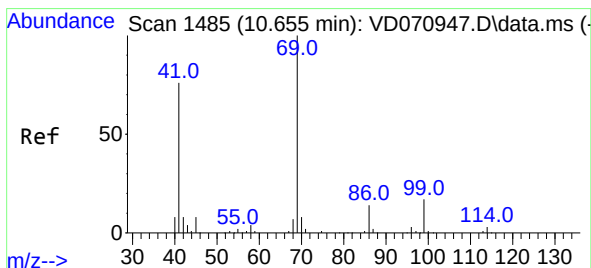
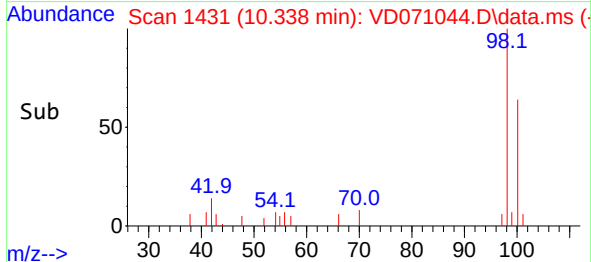
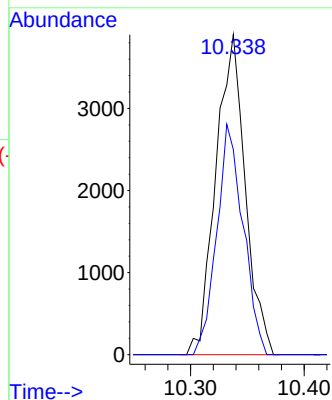
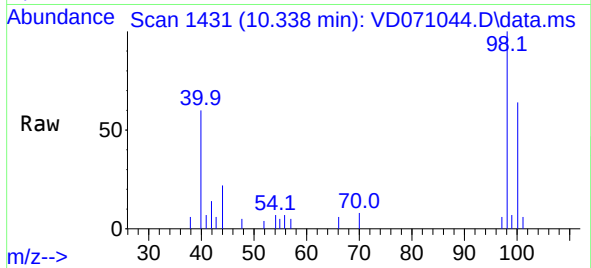




#50
Toluene-d8
Concen: 27.264 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071044.D
Acq: 16 Nov 2021 15:11

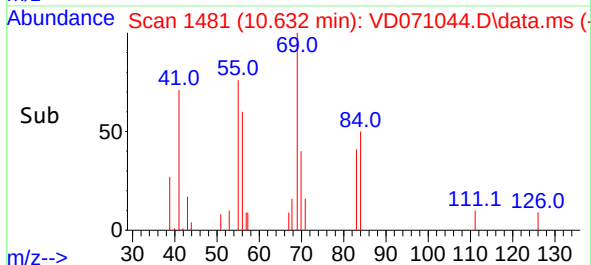
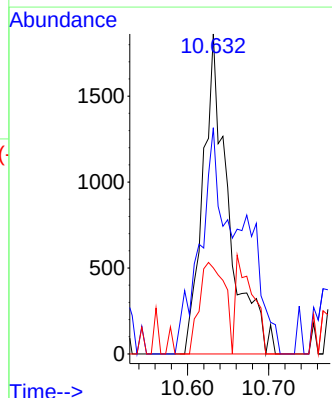
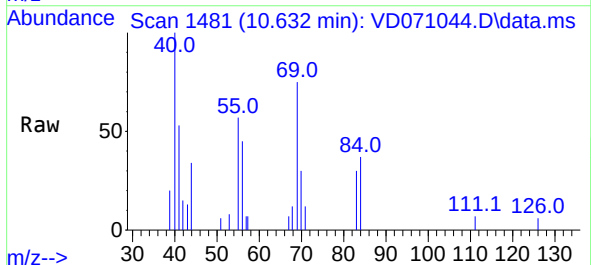
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(6-6.5)-11-10-21

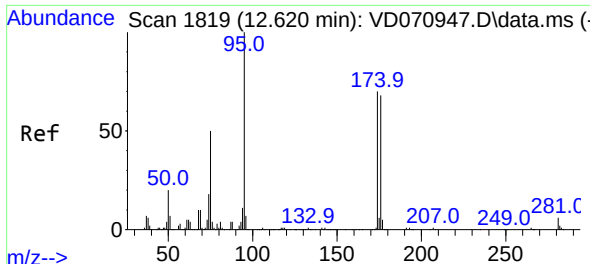
Tgt Ion: 98 Resp: 7030
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.6



#56
Ethyl methacrylate
Concen: 55.691 ug/l
RT: 10.632 min Scan# 1481
Delta R.T. -0.023 min
Lab File: VD071044.D
Acq: 16 Nov 2021 15:11

Tgt Ion: 69 Resp: 4090
Ion Ratio Lower Upper
69 100
41 68.8 50.2 75.2
39 27.9 19.8 29.8

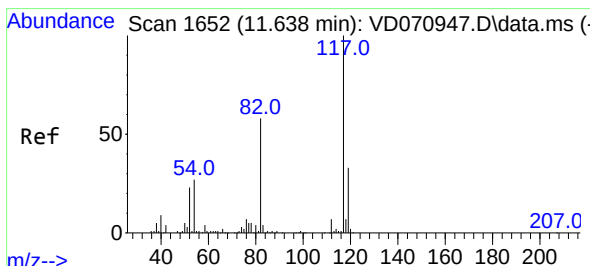
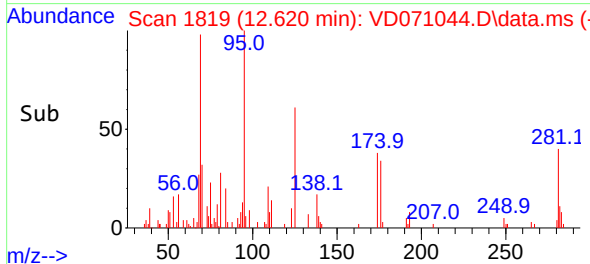
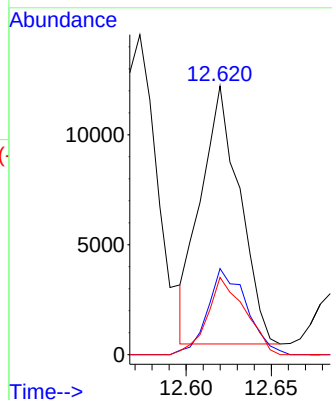
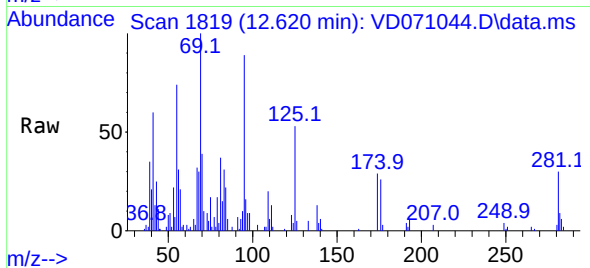




#62
4-Bromofluorobenzene
Concen: 201.497 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD071044.D
Acq: 16 Nov 2021 15:11

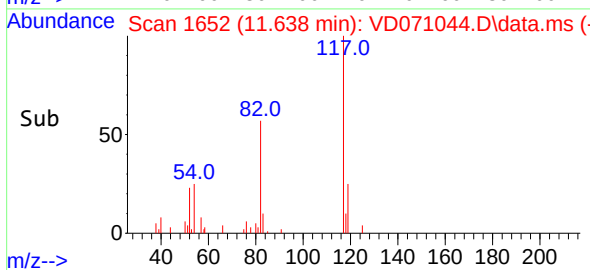
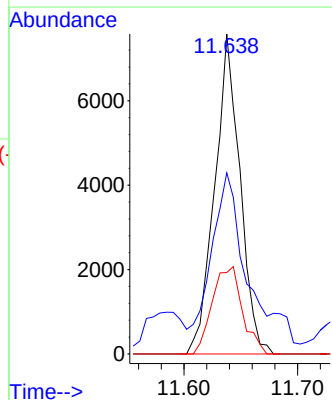
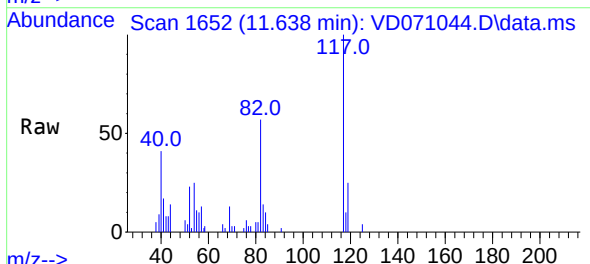
Instrument :
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ClientSampleId :
HB-2-(6-6.5)-11-10-21

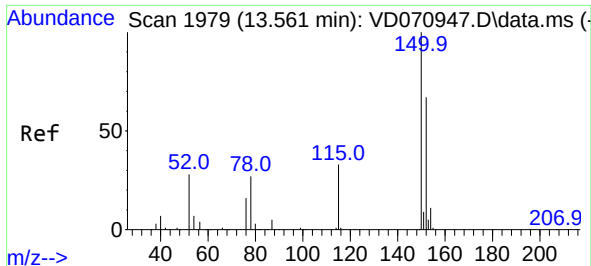
Tgt Ion: 95 Resp: 18707
Ion Ratio Lower Upper
95 100
174 33.2 0.0 159.4
176 28.9 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071044.D
Acq: 16 Nov 2021 15:11

Tgt Ion: 117 Resp: 11741
Ion Ratio Lower Upper
117 100
82 45.7 44.7 67.1
119 25.4 26.2 39.4

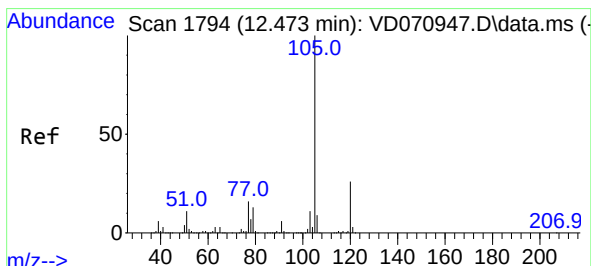
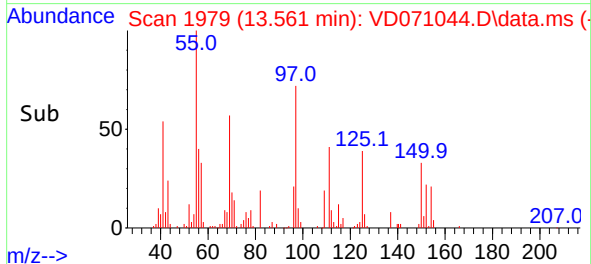
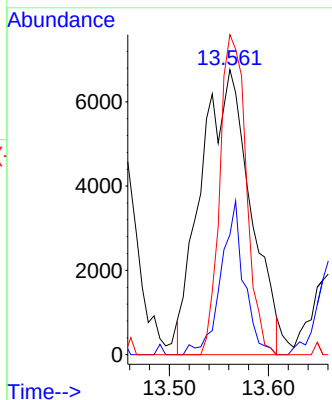
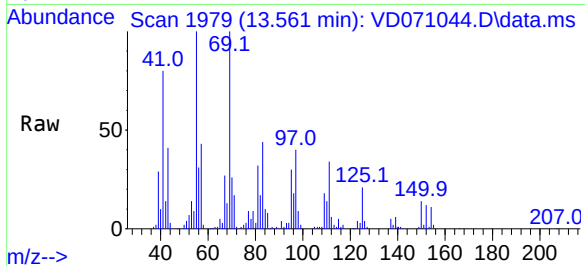




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l m
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071044.D
Acq: 16 Nov 2021 15:11

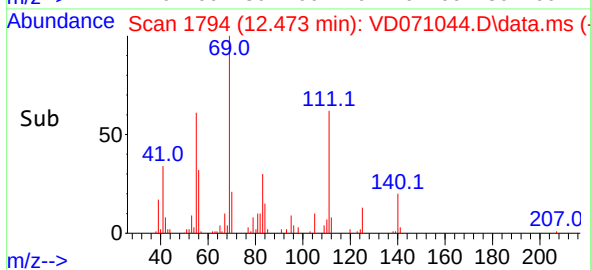
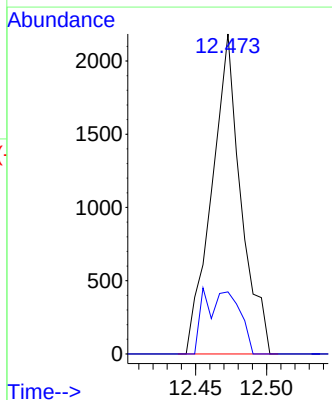
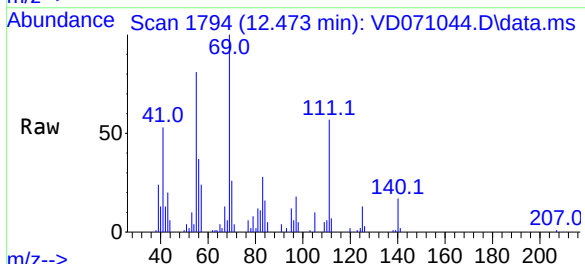
Instrument :
MSVOA_D
ClientSampleId :
HB-2-(6-6.5)-11-10-21

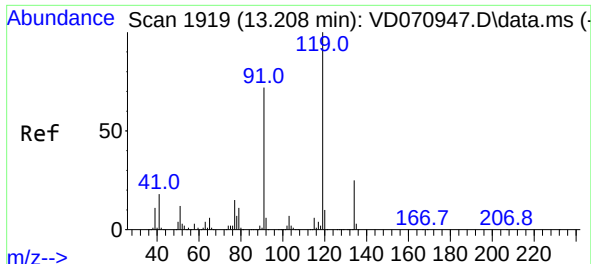
Tgt Ion:152 Resp: 23330
Ion Ratio Lower Upper
152 100
115 0.0 29.8 89.3#
150 0.0 0.0 349.2



#73
Isopropylbenzene
Concen: 1.859 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD071044.D
Acq: 16 Nov 2021 15:11

Tgt Ion:105 Resp: 3125
Ion Ratio Lower Upper
105 100
120 23.7 13.2 39.5

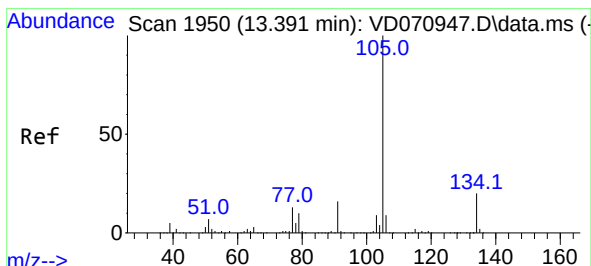
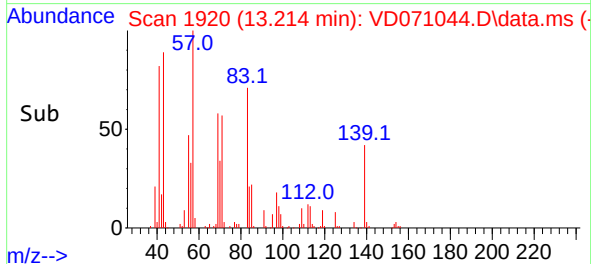
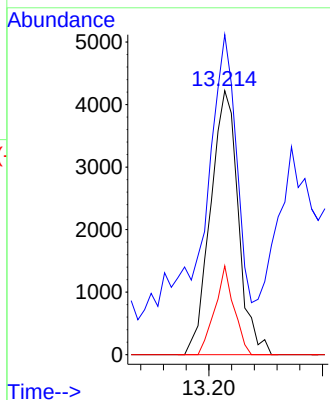
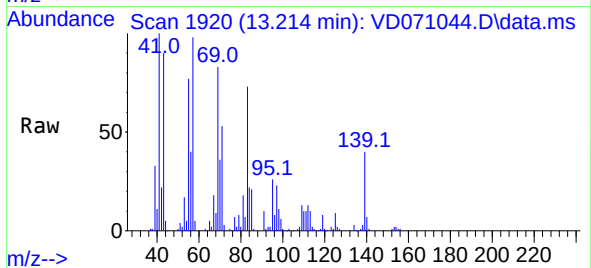




#83
tert-Butylbenzene
Concen: 6.042 ug/l
RT: 13.214 min Scan# 1919
Delta R.T. 0.006 min
Lab File: VD071044.D
Acq: 16 Nov 2021 15:11

Instrument :
MSVOA_D
ClientSampleId :
HB-2-(6-6.5)-11-10-21

Tgt Ion:119 Resp: 7202
Ion Ratio Lower Upper
119 100
91 122.1 32.5 97.5#
134 23.0 13.2 39.6



#85
sec-Butylbenzene
Concen: 9.165 ug/l
RT: 13.390 min Scan# 1950
Delta R.T. -0.001 min
Lab File: VD071044.D
Acq: 16 Nov 2021 15:11

Tgt Ion:105 Resp: 16425
Ion Ratio Lower Upper
105 100
134 46.8 9.7 28.9#

