

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121521\
 Data File : VD071355.D
 Acq On : 15 Dec 2021 21:06
 Operator : VA/SY
 Sample : M5105-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-121521

Quant Time: Dec 16 04:33:00 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

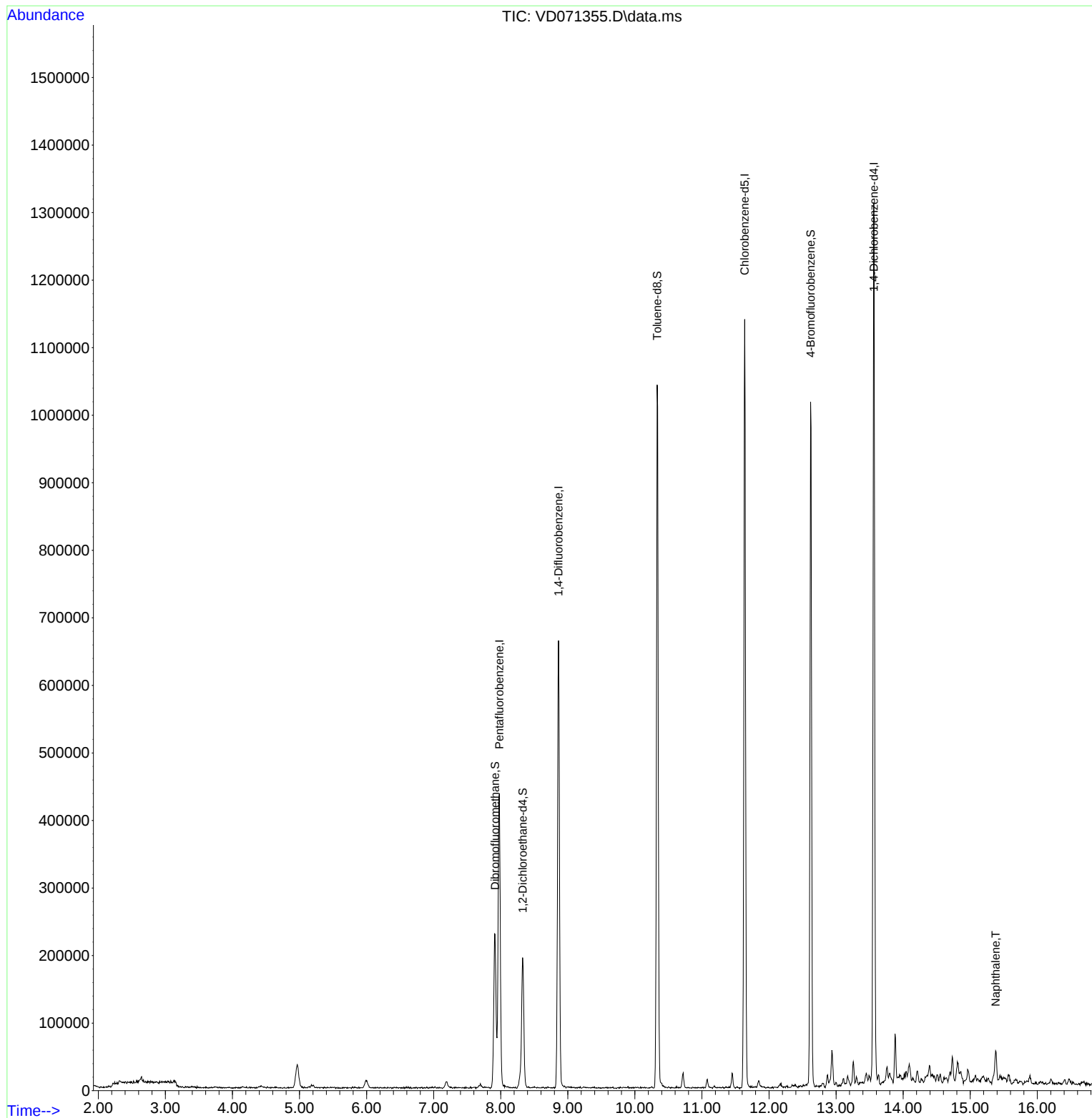
Internal Standards						
1) Pentafluorobenzene	7.979	168	302576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	519271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	599211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	315158	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	152052	42.827	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	85.660%
35) Dibromofluoromethane	7.914	113	157920	47.758	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.520%
50) Toluene-d8	10.332	98	678692	53.935	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	107.860%
62) 4-Bromofluorobenzene	12.620	95	296530	67.981	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	135.960%
Target Compounds						
95) Naphthalene	15.379	128	38726	4.209	ug/l	Qvalue 97

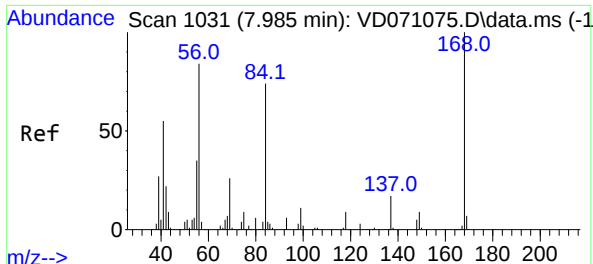
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VD071355.D

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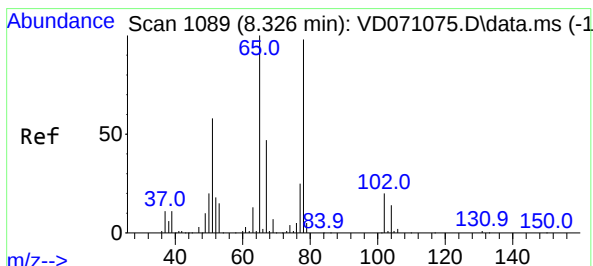
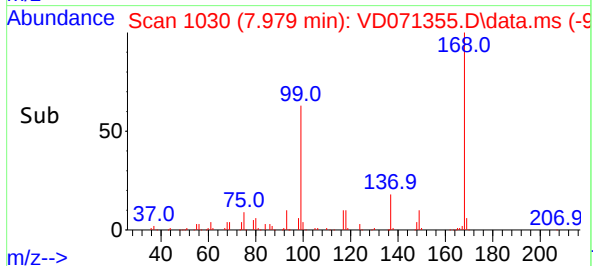
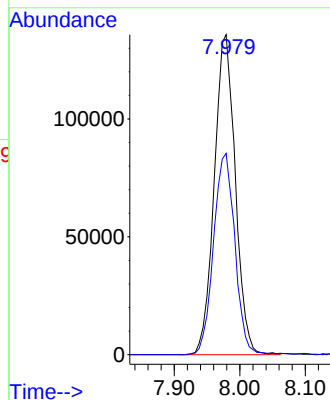
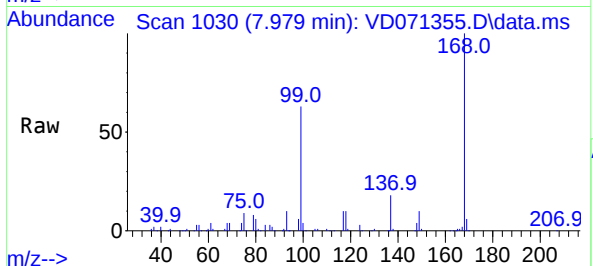
HD-01-121521

Tgt Ion:168 Resp: 302576

Ion Ratio Lower Upper

168 100

99 62.9 46.6 69.8



1,2-Dichloroethane-d4

Concen: 42.827 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071355.D

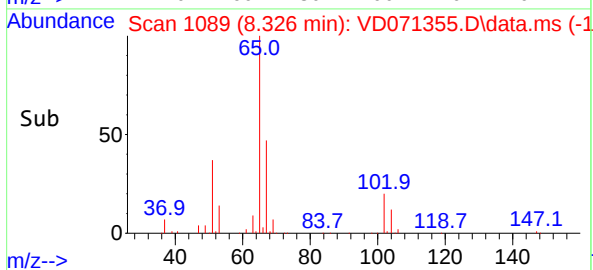
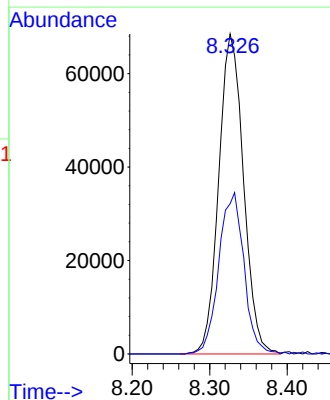
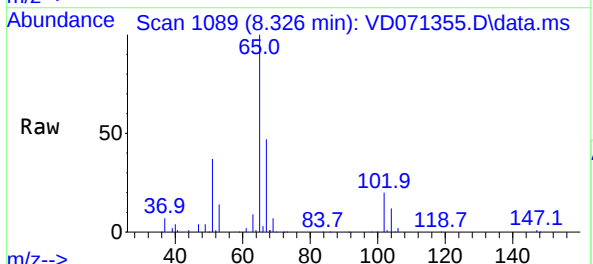
Acq: 15 Dec 2021 21:06

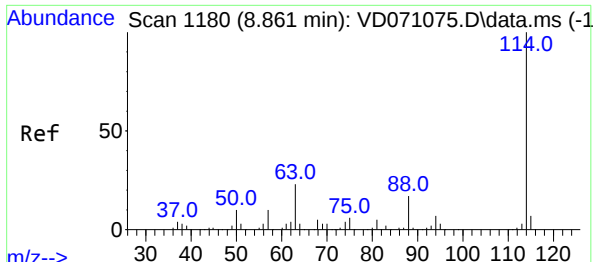
Tgt Ion: 65 Resp: 152052

Ion Ratio Lower Upper

65 100

67 51.2 0.0 112.2

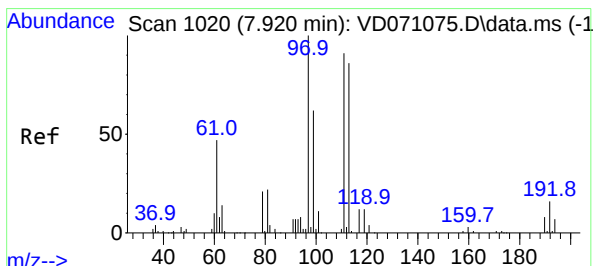
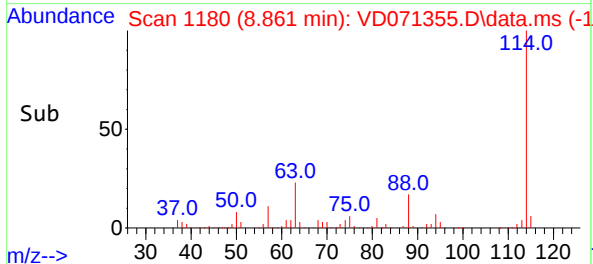
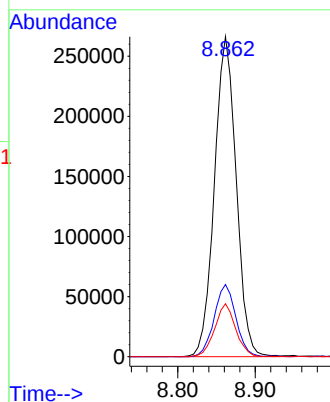
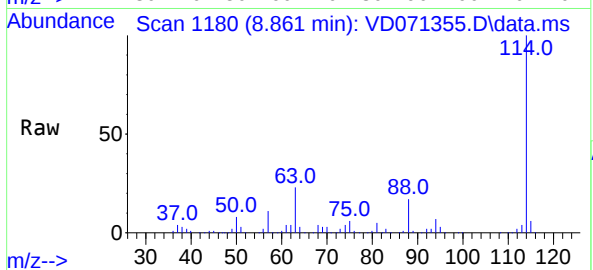




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

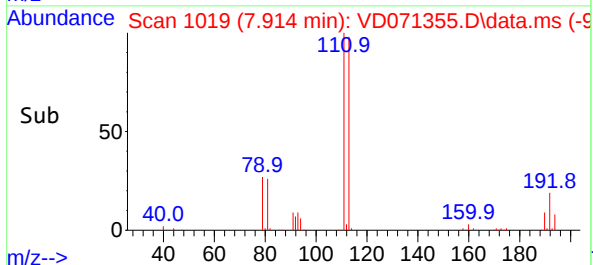
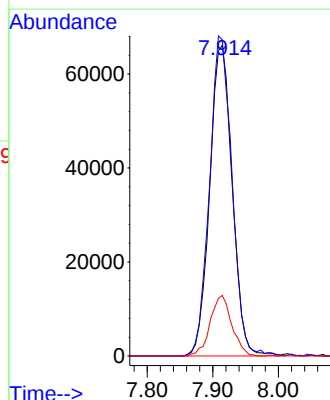
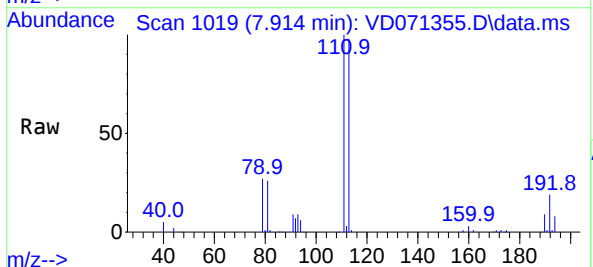
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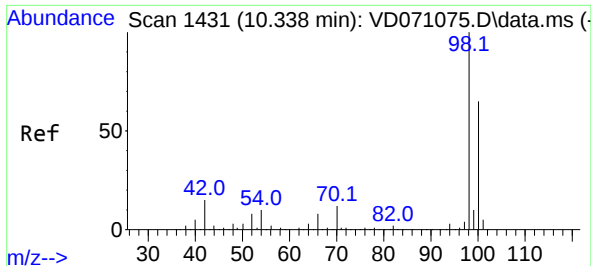
Tgt Ion:114 Resp: 519271
Ion Ratio Lower Upper
114 100
63 22.5 0.0 41.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.758 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

Tgt Ion:113 Resp: 157920
Ion Ratio Lower Upper
113 100
111 102.8 82.0 123.0
192 18.7 15.2 22.8

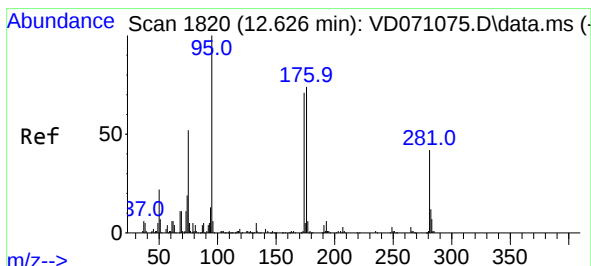
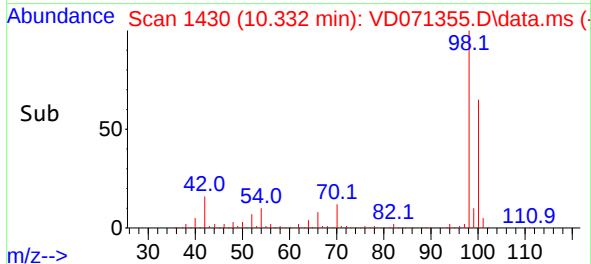
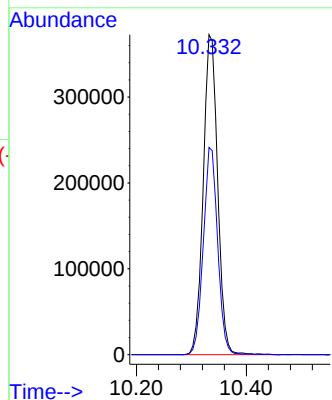
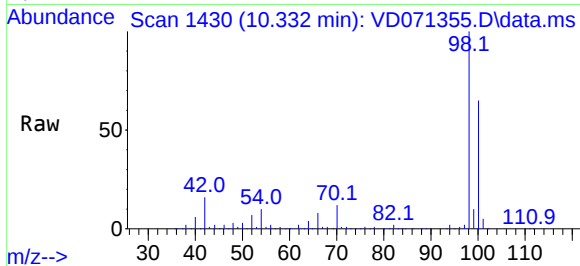




#50
Toluene-d8
Concen: 53.935 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

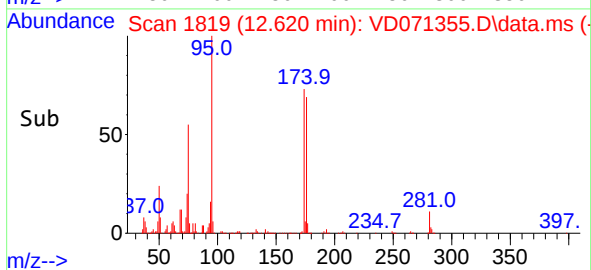
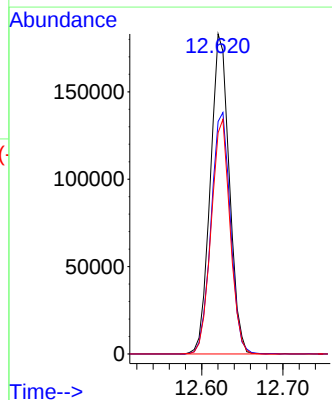
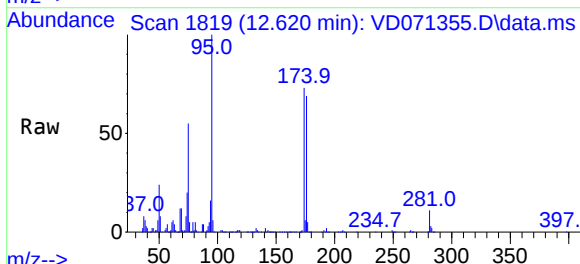
Instrument :
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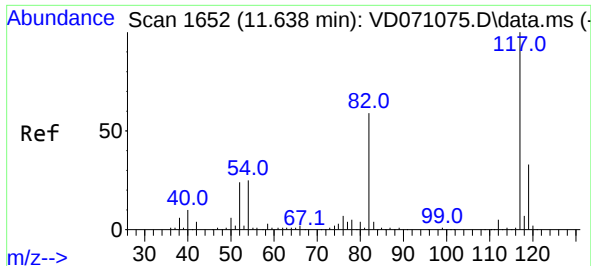
Tgt Ion: 98 Resp: 678692
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 67.981 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

Tgt Ion: 95 Resp: 296530
Ion Ratio Lower Upper
95 100
174 77.0 0.0 159.4
176 73.0 0.0 154.0

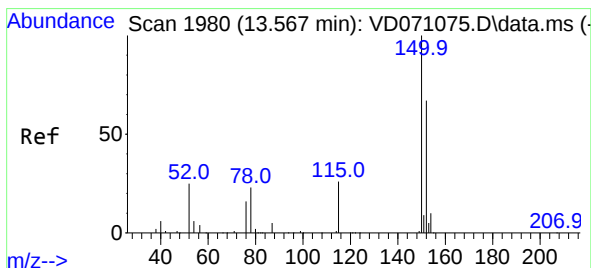
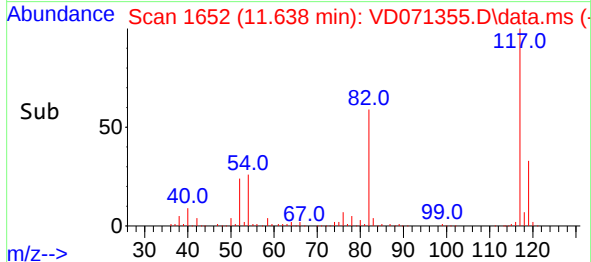
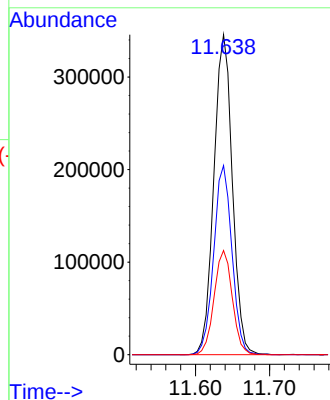
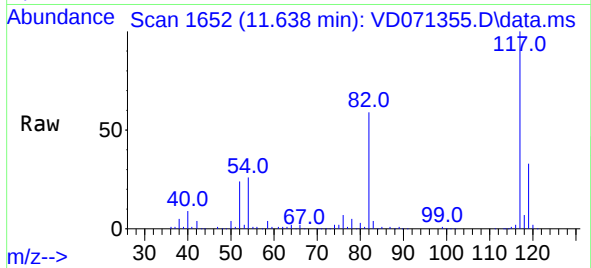




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

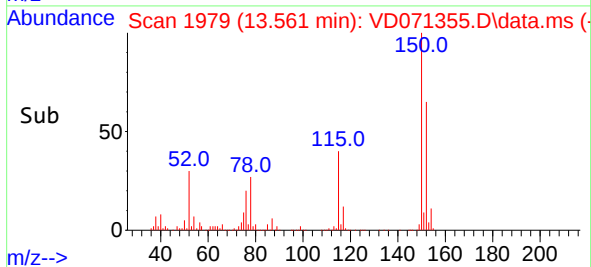
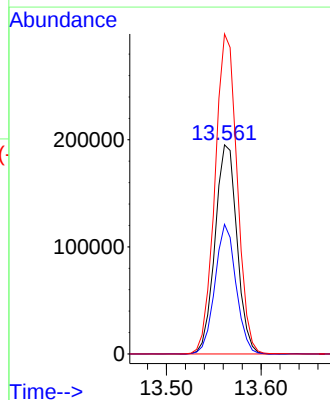
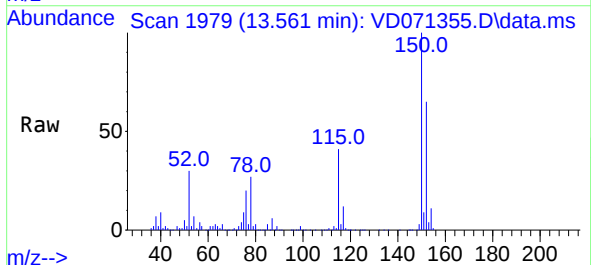
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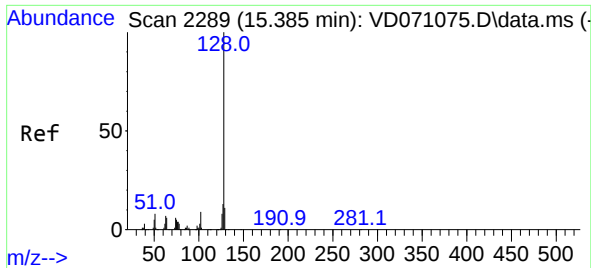
Tgt Ion:117 Resp: 599211
Ion Ratio Lower Upper
117 100
82 59.1 44.7 67.1
119 32.6 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071355.D
Acq: 15 Dec 2021 21:06

Tgt Ion:152 Resp: 315158
Ion Ratio Lower Upper
152 100
115 59.5 29.8 89.3
150 154.4 0.0 349.2





#95

Naphthalene

Concen: 4.209 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD071355.D

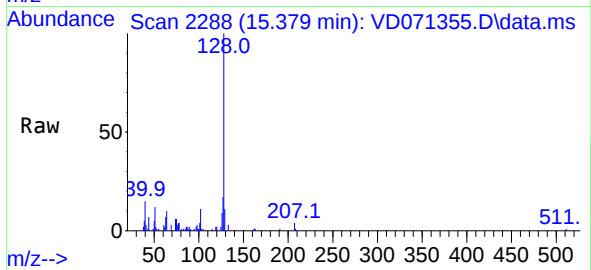
Acq: 15 Dec 2021 21:06

Instrument :

MSVOA_D

ClientSampleId :

HD-01-121521



Tgt Ion:128 Resp: 38726

Ion Ratio Lower Upper

128 100

127 15.0 10.7 16.1

129 10.6 8.7 13.1

