

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121323\
 Data File : VD077865.D
 Acq On : 13 Dec 2023 16:31
 Operator : RP/MD
 Sample : 05718-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-SOIL-20231206

Quant Time: Dec 14 01:54:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	12917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	21837	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	22162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	9558	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	8189	53.801	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.600%
35) Dibromofluoromethane	7.810	113	8033	52.517	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.040%
50) Toluene-d8	10.275	98	27182	44.369	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.740%
62) 4-Bromofluorobenzene	12.575	95	7867	42.951	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	85.900%

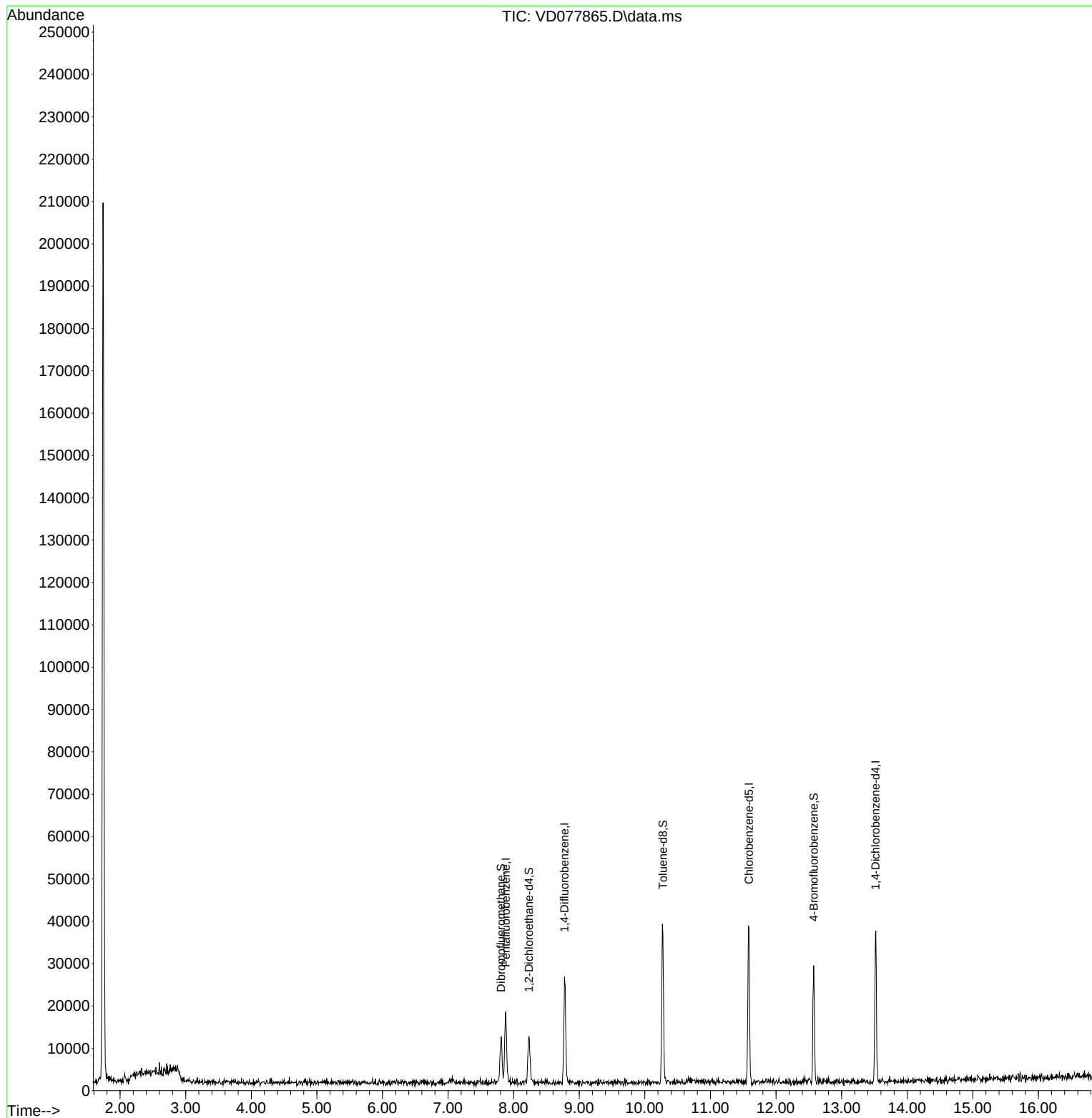
Target Compounds	Qvalue

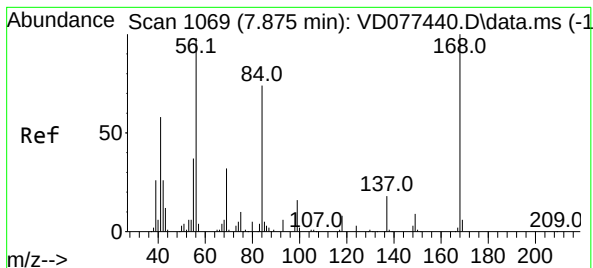
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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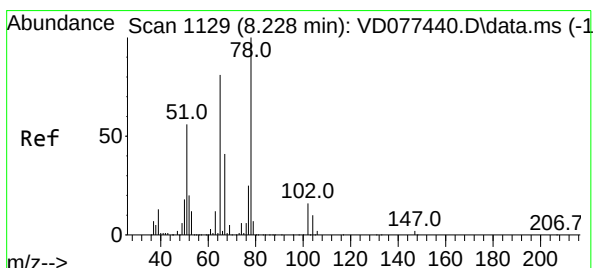
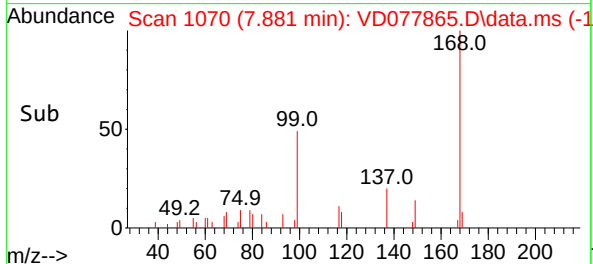
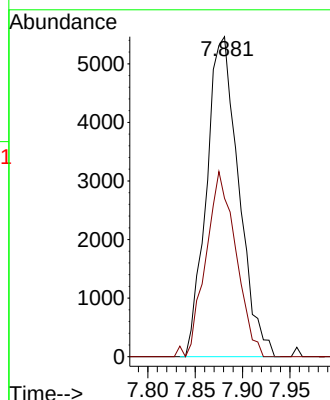
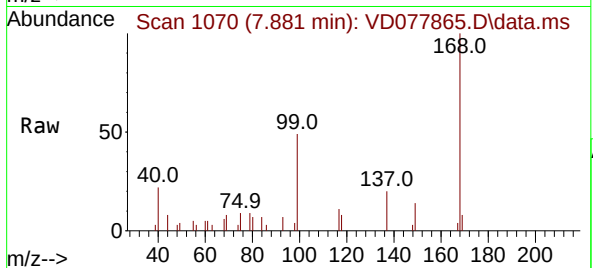




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

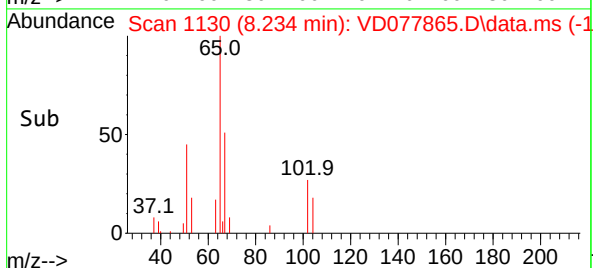
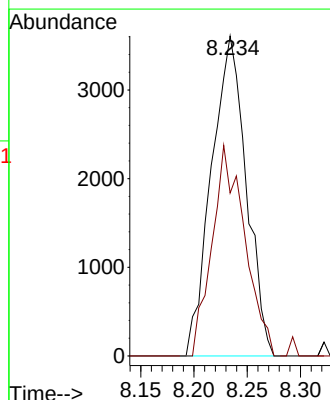
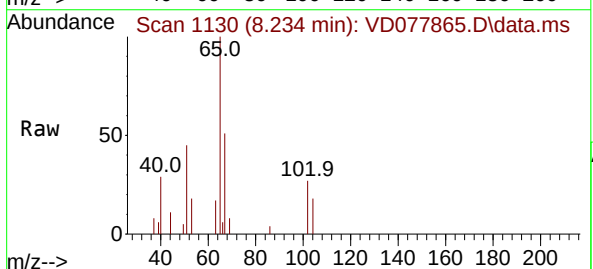
Instrument :
MSVOA_D
ClientSampleId :
WC-SOIL-20231206

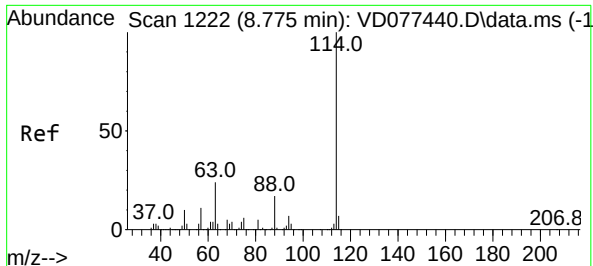
Tgt Ion:168 Resp: 12917
Ion Ratio Lower Upper
168 100
99 49.5 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 53.801 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

Tgt Ion: 65 Resp: 8189
Ion Ratio Lower Upper
65 100
67 62.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD077865.D

Acq: 13 Dec 2023 16:31

Instrument :

MSVOA_D

ClientSampleId :

WC-SOIL-20231206

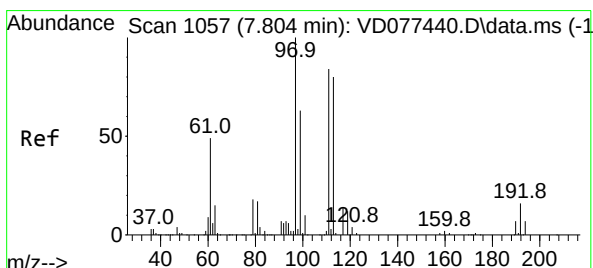
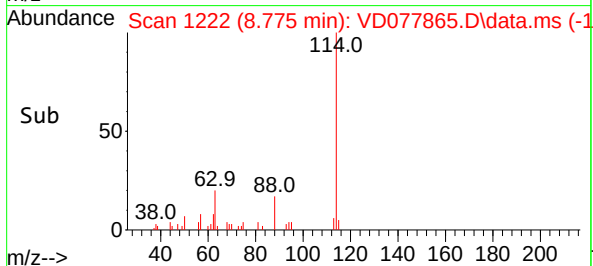
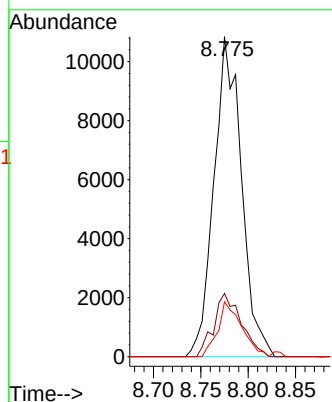
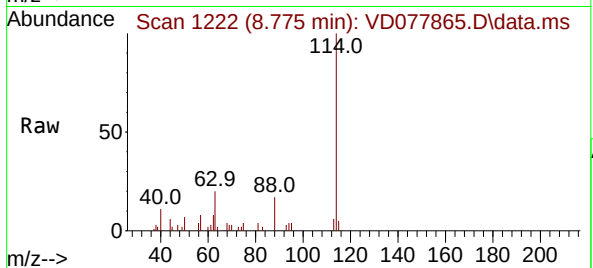
Tgt Ion:114 Resp: 21837

Ion Ratio Lower Upper

114 100

63 19.8 0.0 33.4

88 17.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 52.517 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD077865.D

Acq: 13 Dec 2023 16:31

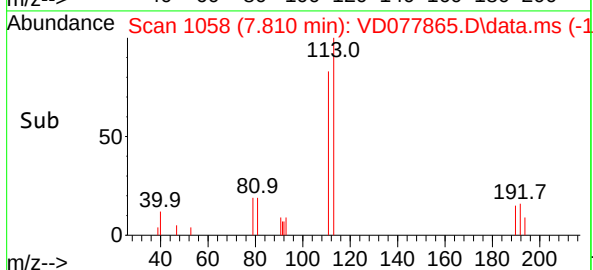
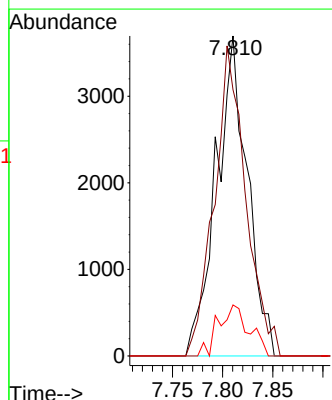
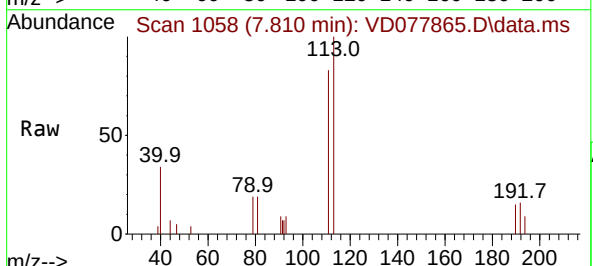
Tgt Ion:113 Resp: 8033

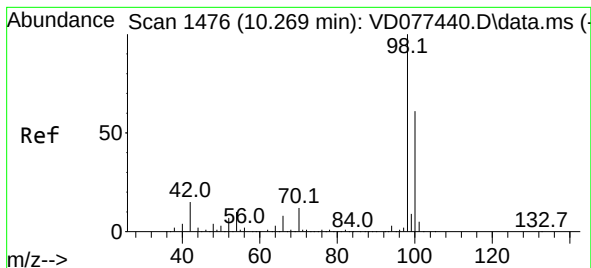
Ion Ratio Lower Upper

113 100

111 97.4 84.7 127.1

192 15.6 16.8 25.2#

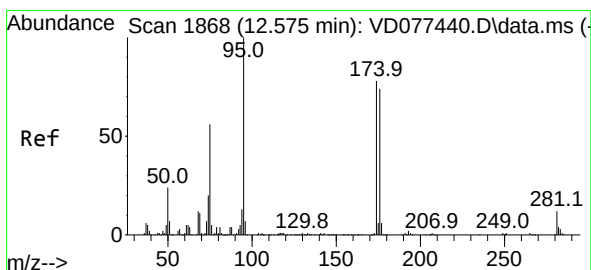
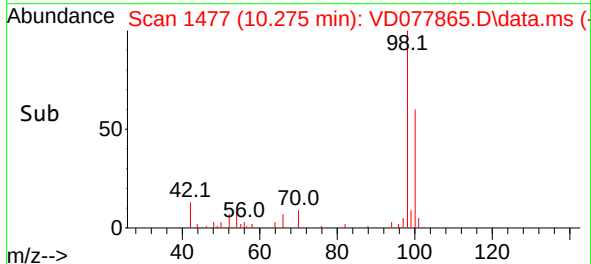
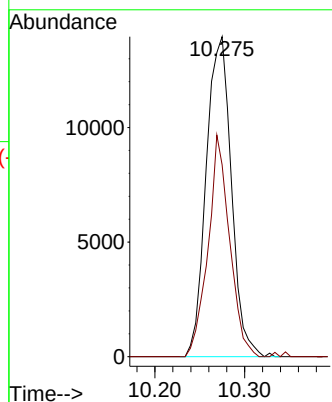
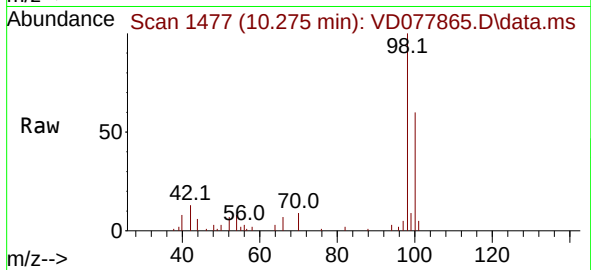




#50
Toluene-d8
Concen: 44.369 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

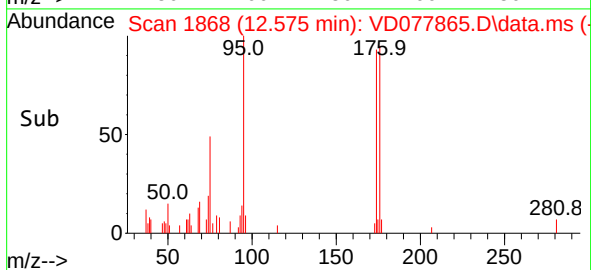
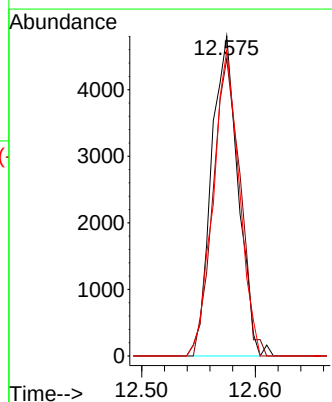
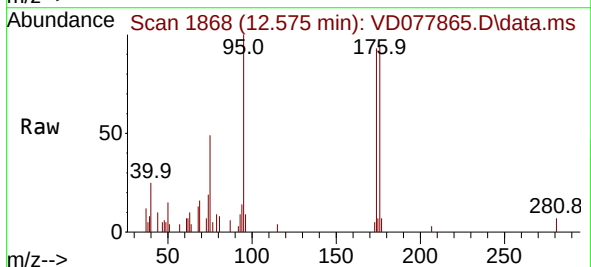
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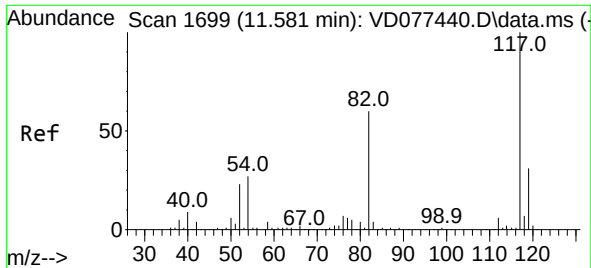
Tgt Ion: 98 Resp: 27182
Ion Ratio Lower Upper
98 100
100 59.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 42.951 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

Tgt Ion: 95 Resp: 7867
Ion Ratio Lower Upper
95 100
174 93.9 0.0 201.8
176 92.9 0.0 191.8

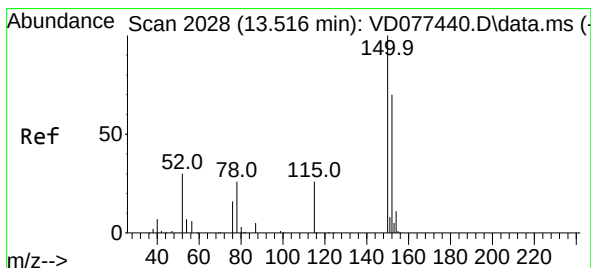
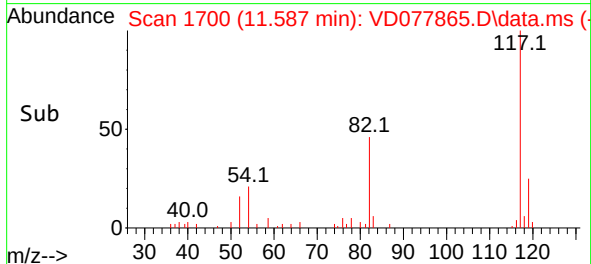
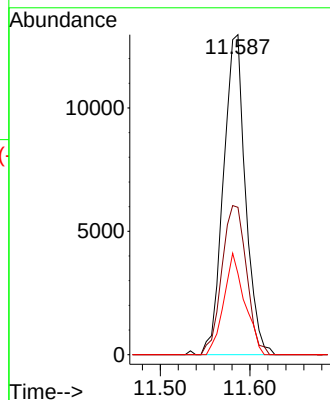
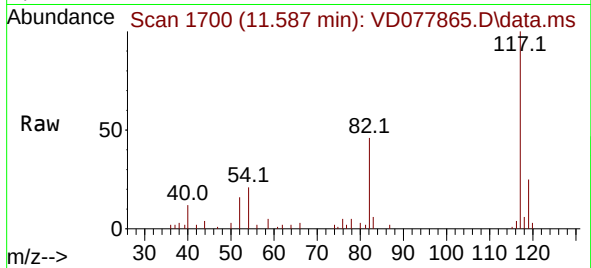




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

Instrument :
MSVOA_D
ClientSampleId :
WC-SOIL-20231206

Tgt Ion:117 Resp: 22162
Ion Ratio Lower Upper
117 100
82 46.1 38.3 57.5
119 25.3 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD077865.D
Acq: 13 Dec 2023 16:31

Tgt Ion:152 Resp: 9558
Ion Ratio Lower Upper
152 100
115 57.0 27.1 81.3
150 161.4 0.0 353.6

