

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021524\
 Data File : VD078434.D
 Acq On : 15 Feb 2024 14:27
 Operator : RP/MD
 Sample : P1473-03
 Misc : 5.01G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-04-021424

Quant Time: Feb 16 02:35:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D021324S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 14 01:16:20 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	103413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	218204	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	254260	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	127394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	59701	53.393	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.780%	
35) Dibromofluoromethane	7.810	113	72064	51.992	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.980%	
50) Toluene-d8	10.269	98	272824	49.205	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.420%	
62) 4-Bromofluorobenzene	12.575	95	104292	64.636	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 129.280%	

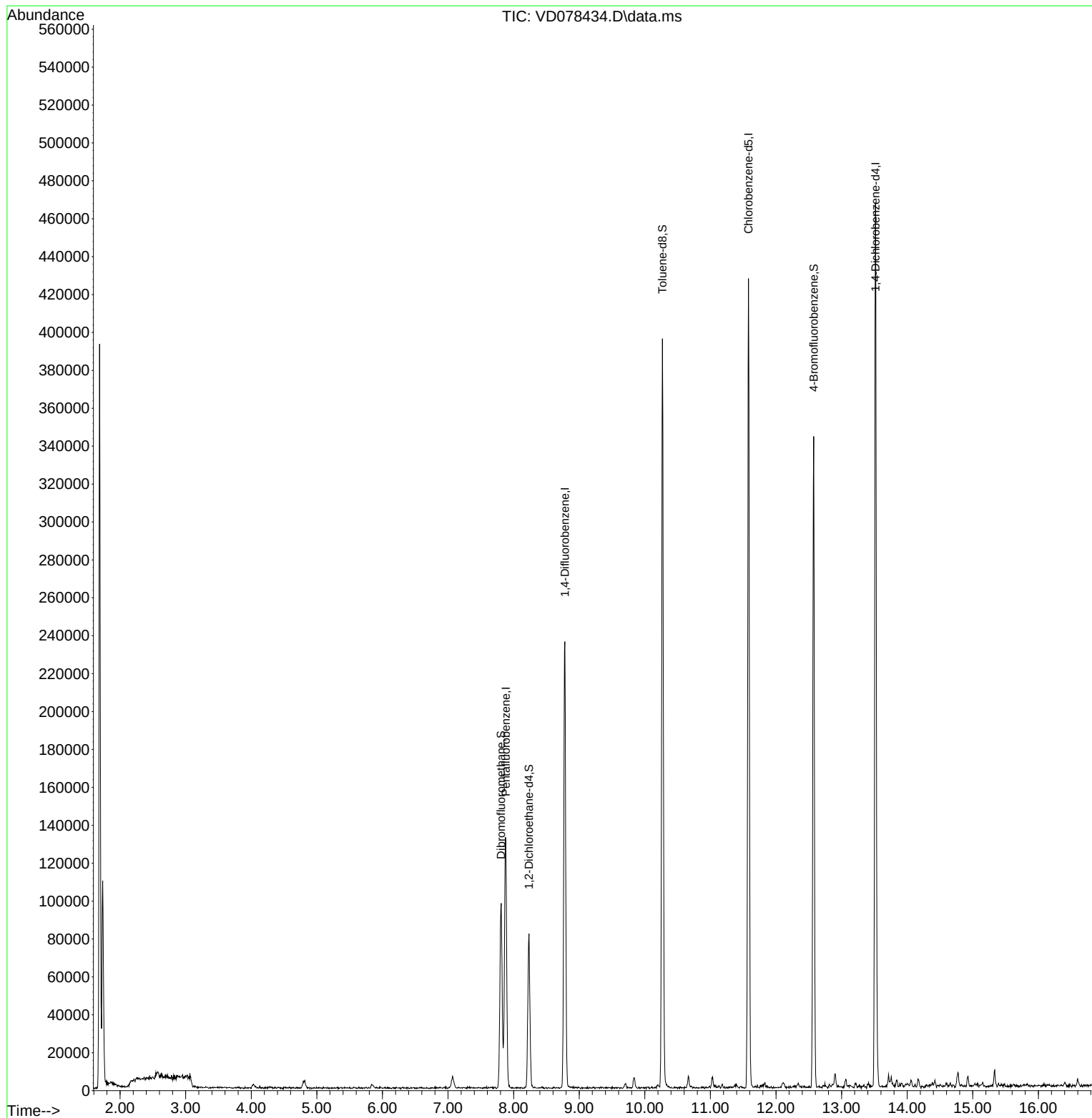
Target Compounds	Qvalue

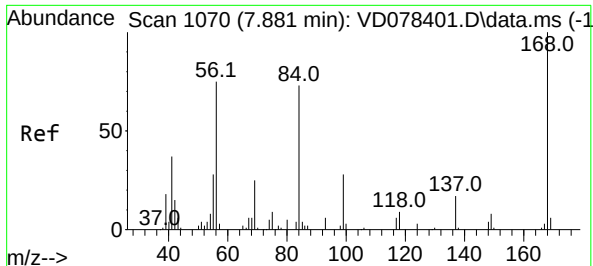
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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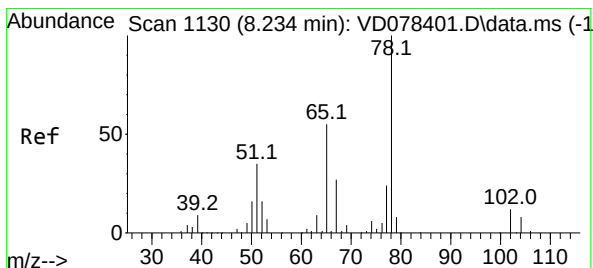
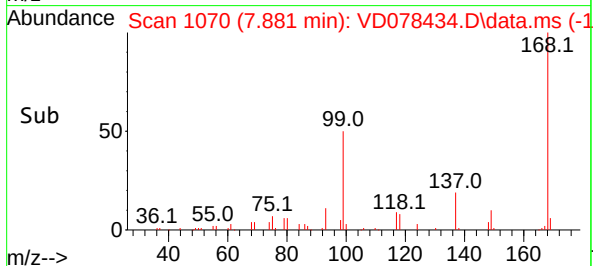
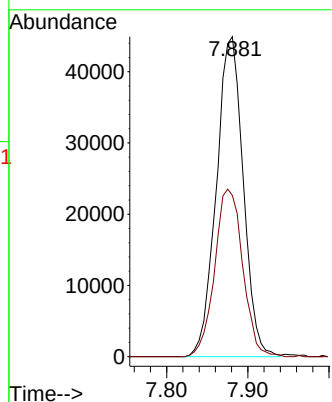
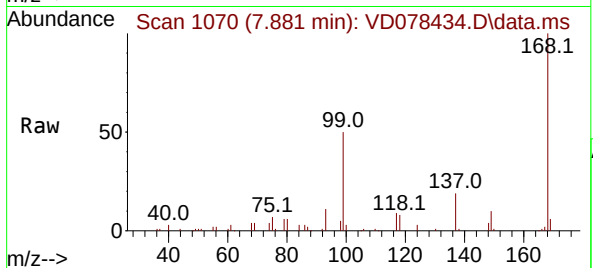




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078434.D
Acq: 15 Feb 2024 14:27

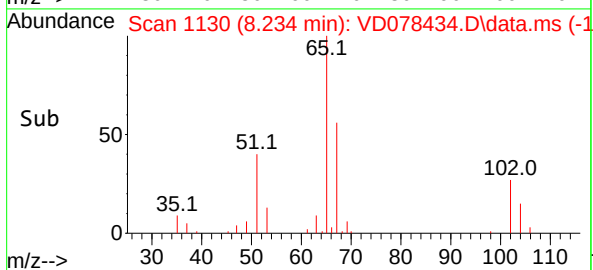
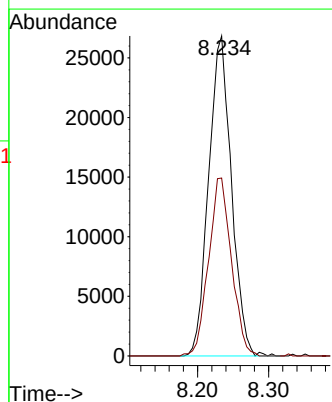
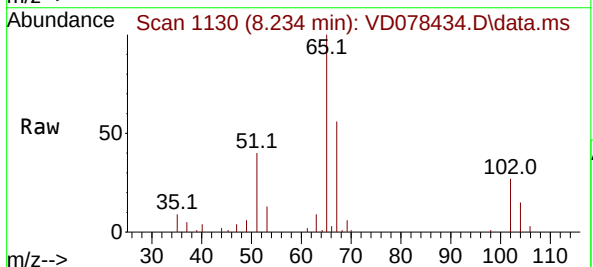
Instrument :
MSVOA_D
ClientSampleId :
SU-04-021424

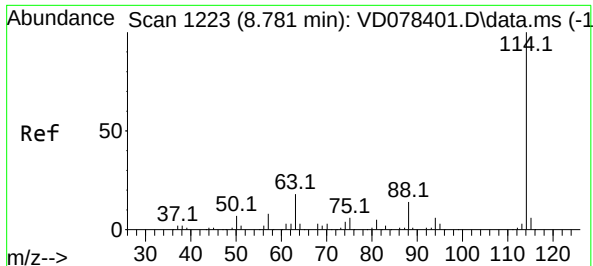
Tgt Ion:168 Resp: 103413
Ion Ratio Lower Upper
168 100
99 50.4 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 53.393 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078434.D
Acq: 15 Feb 2024 14:27

Tgt Ion: 65 Resp: 59701
Ion Ratio Lower Upper
65 100
67 56.0 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078434.D

Acq: 15 Feb 2024 14:27

Instrument :

MSVOA_D

ClientSampleId :

SU-04-021424

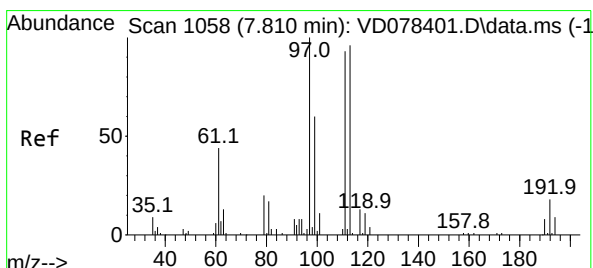
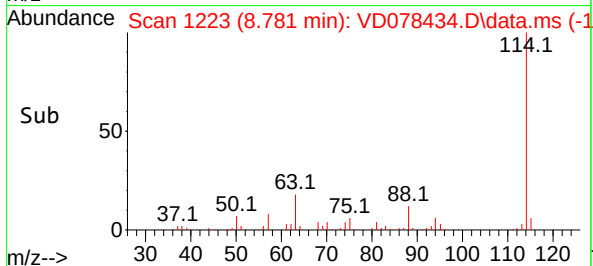
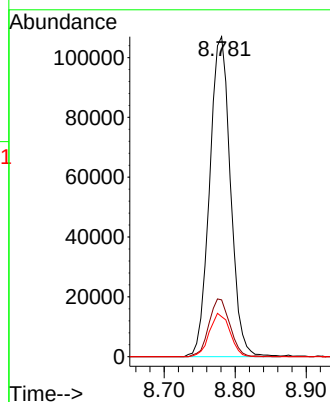
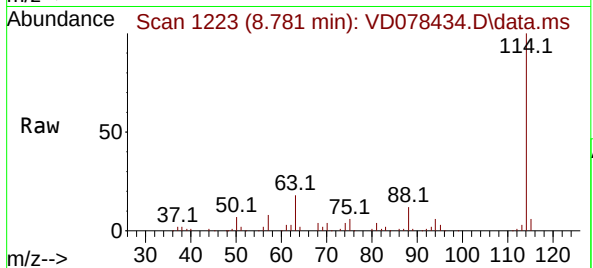
Tgt Ion:114 Resp: 218204

Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.4

88 12.5 0.0 26.2



#35

Dibromofluoromethane

Concen: 51.992 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078434.D

Acq: 15 Feb 2024 14:27

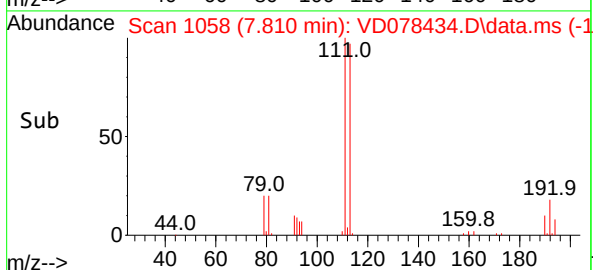
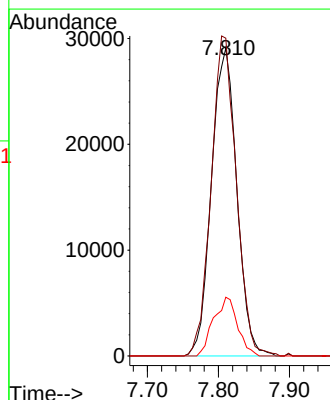
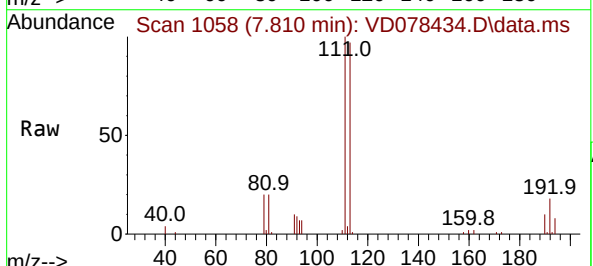
Tgt Ion:113 Resp: 72064

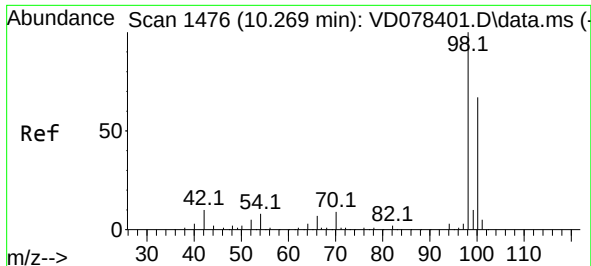
Ion Ratio Lower Upper

113 100

111 102.7 84.7 127.1

192 18.0 16.8 25.2

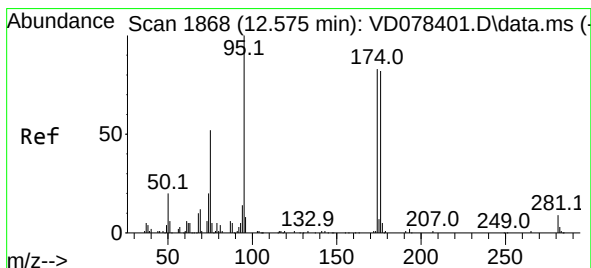
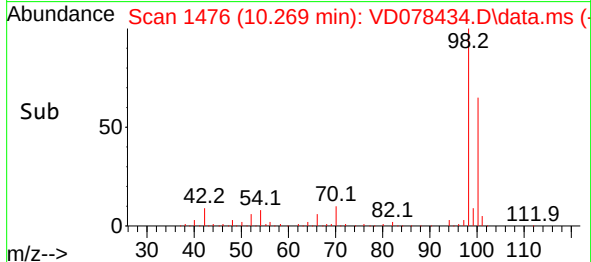
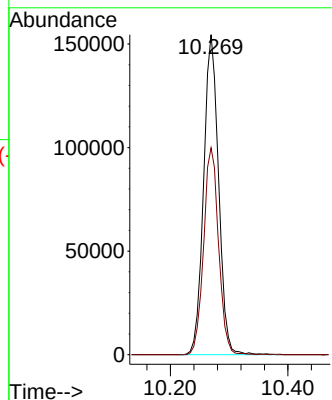
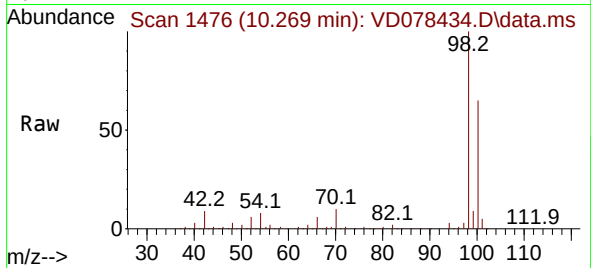




#50
Toluene-d8
Concen: 49.205 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078434.D
Acq: 15 Feb 2024 14:27

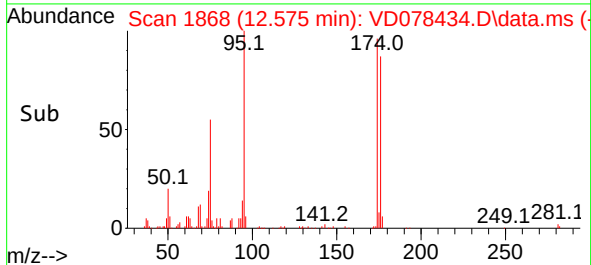
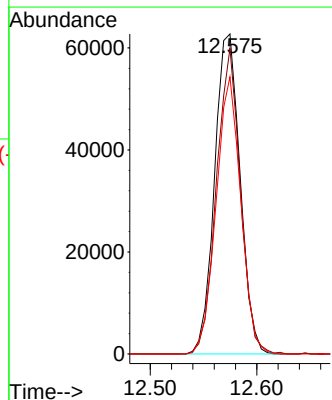
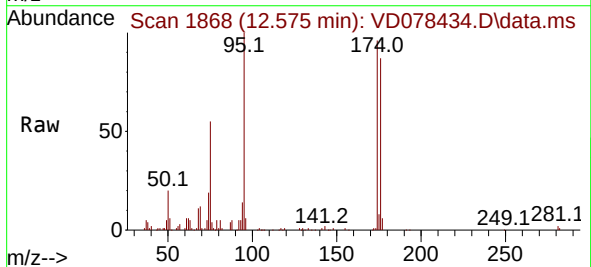
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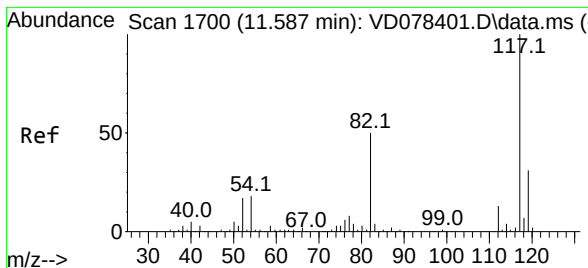
Tgt Ion: 98 Resp: 272824
Ion Ratio Lower Upper
98 100
100 64.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 64.636 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078434.D
Acq: 15 Feb 2024 14:27

Tgt Ion: 95 Resp: 104292
Ion Ratio Lower Upper
95 100
174 89.4 0.0 201.8
176 83.9 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078434.D

Acq: 15 Feb 2024 14:27

Instrument :

MSVOA_D

ClientSampleId :

SU-04-021424

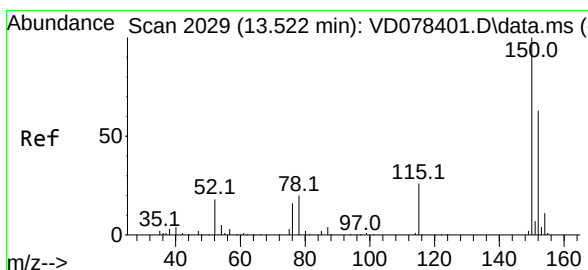
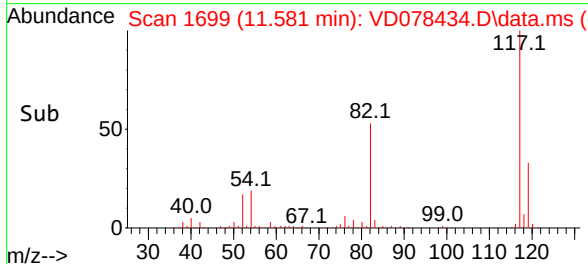
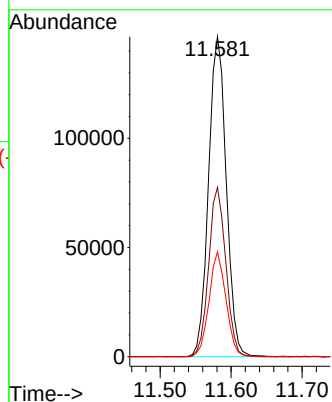
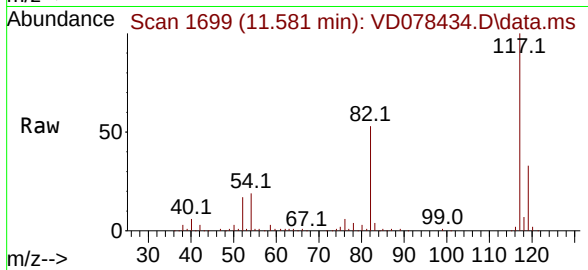
Tgt Ion:117 Resp: 254260

Ion Ratio Lower Upper

117 100

82 52.9 38.3 57.5

119 32.8 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD078434.D

Acq: 15 Feb 2024 14:27

Tgt Ion:152 Resp: 127394

Ion Ratio Lower Upper

152 100

115 57.5 27.1 81.3

150 157.6 0.0 353.6

