

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD022124\
 Data File : VD078499.D
 Acq On : 21 Feb 2024 15:18
 Operator : RP/MD
 Sample : P1538-04
 Misc : 5.00G/5ml/MSVOA_D/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 20241099-COMPOSITE-35N-N-4-04

Quant Time: Feb 22 00:04:46 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	7.875	168	118028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	236856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	282178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	137449	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	50289	39.406	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.820%
35) Dibromofluoromethane	7.804	113	70438	46.817	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.640%
50) Toluene-d8	10.269	98	305217	50.712	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.420%
62) 4-Bromofluorobenzene	12.575	95	110397	63.032	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	126.060%

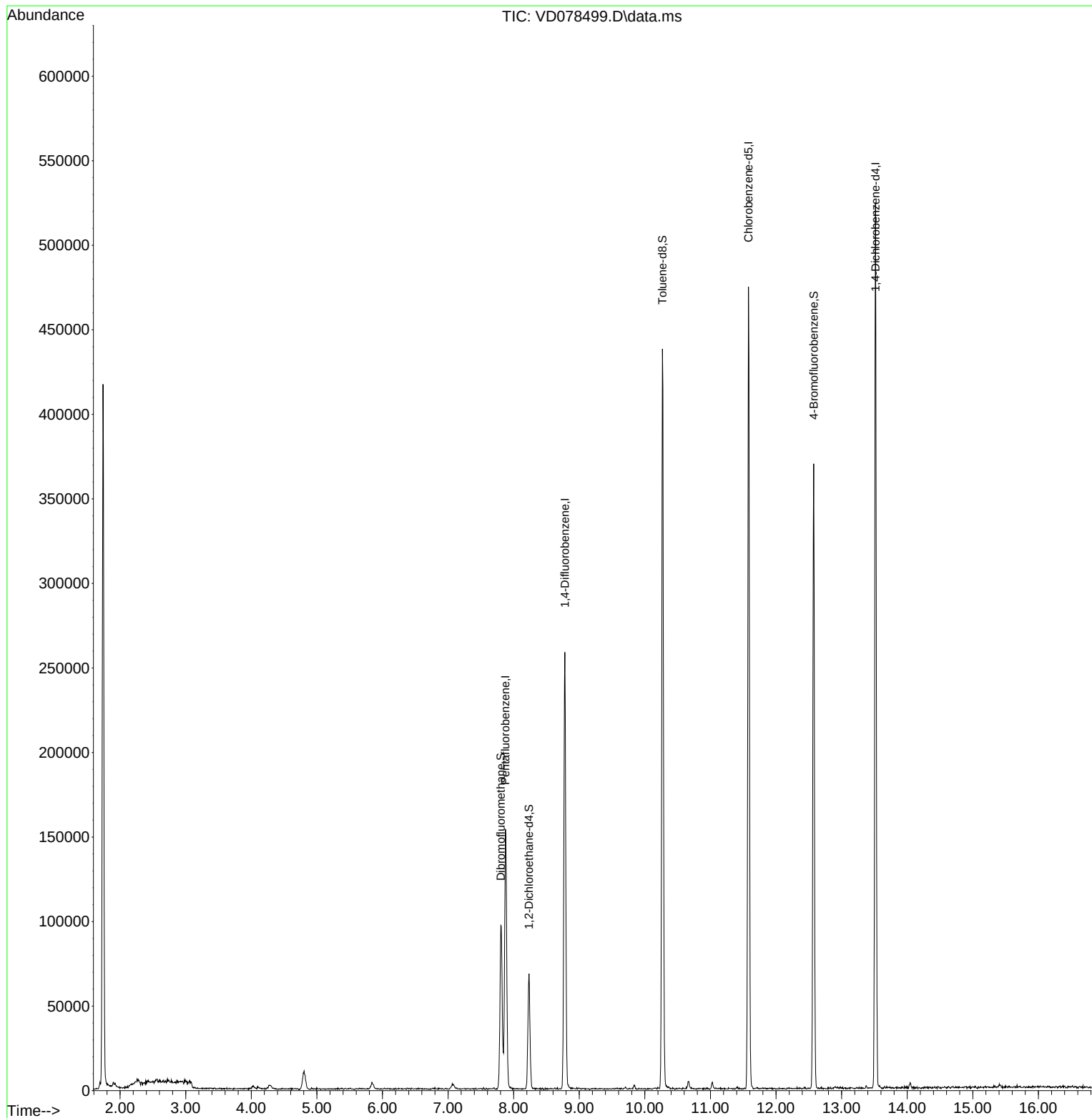
Target Compounds	Qvalue

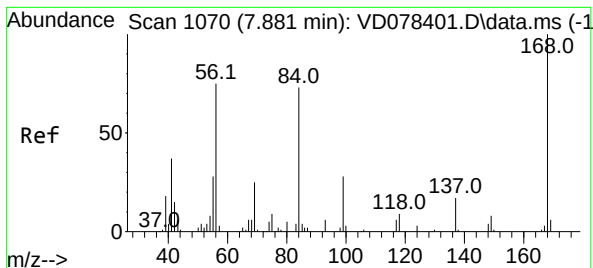
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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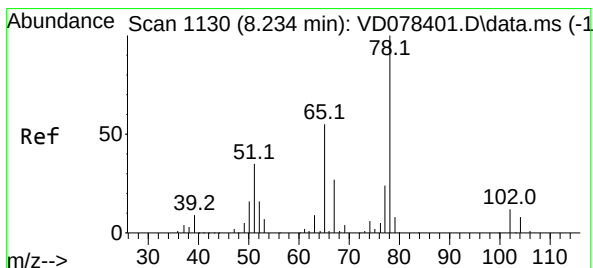
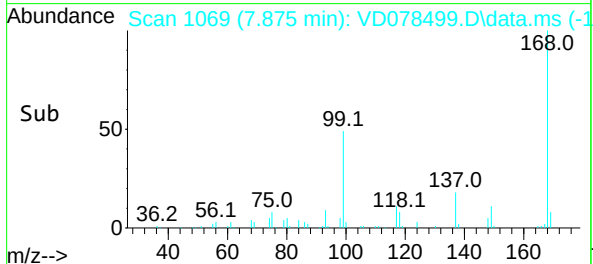
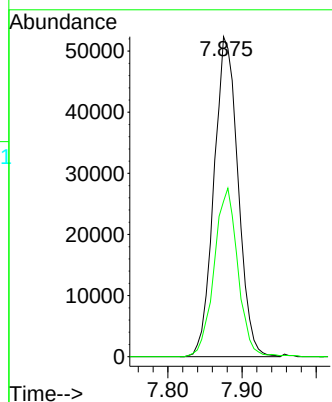
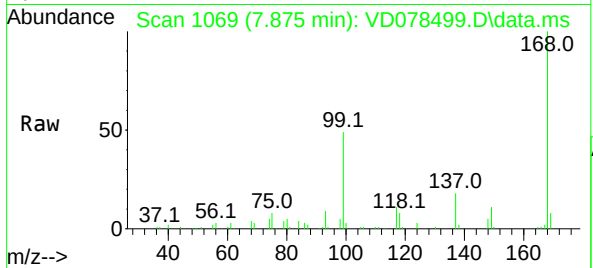




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VD078499.D
Acq: 21 Feb 2024 15:18

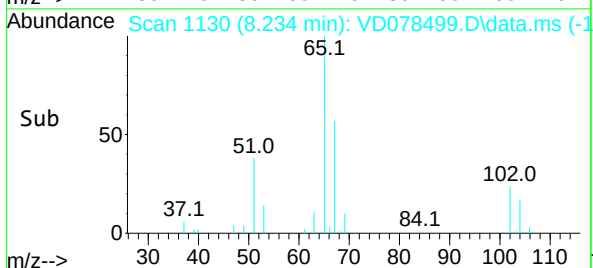
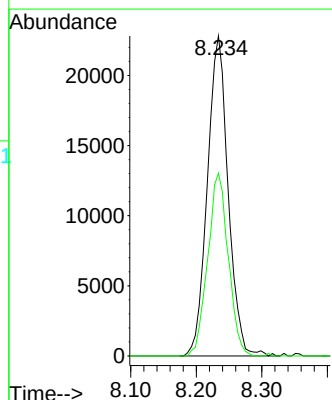
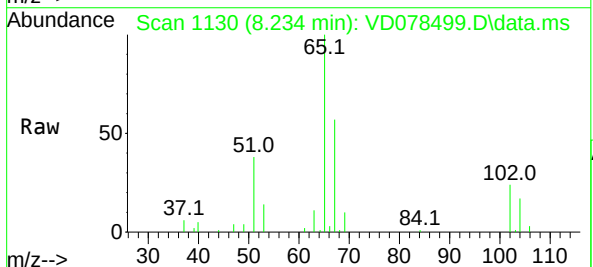
Instrument :
MSVOA_D
ClientSampleId :
20241099-COMPOSITE-35N-N-4-04

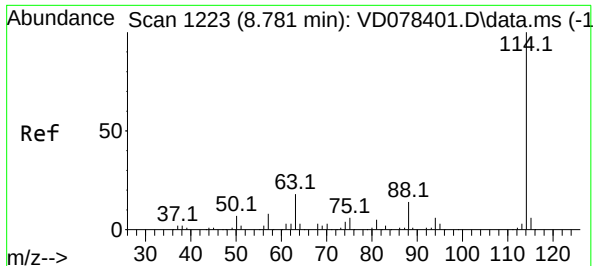
Tgt Ion:168 Resp: 118028
Ion Ratio Lower Upper
168 100
99 48.5 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 39.406 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD078499.D
Acq: 21 Feb 2024 15:18

Tgt Ion: 65 Resp: 50289
Ion Ratio Lower Upper
65 100
67 56.3 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: VD078499.D

Acq: 21 Feb 2024 15:18

Instrument :

MSVOA_D

ClientSampleId :

20241099-COMPOSITE-35N-N-4-04

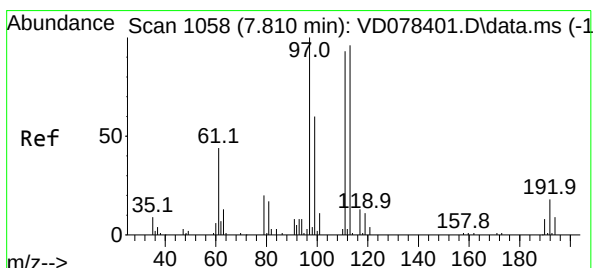
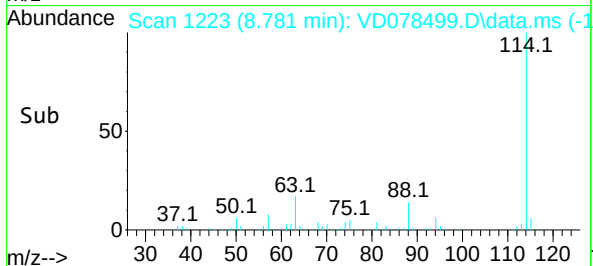
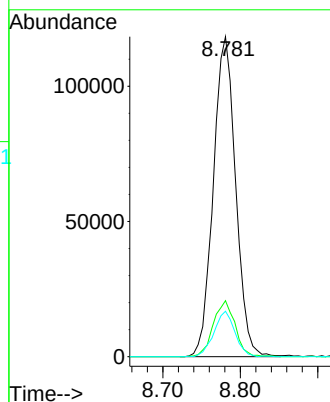
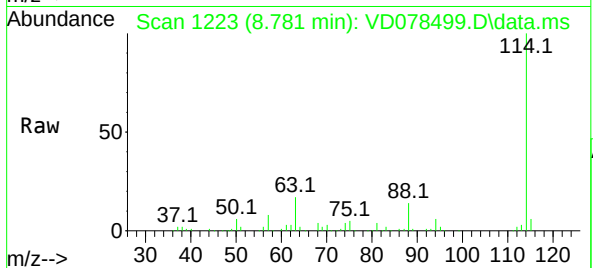
Tgt Ion:114 Resp: 236856

Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.4

88 14.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 46.817 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078499.D

Acq: 21 Feb 2024 15:18

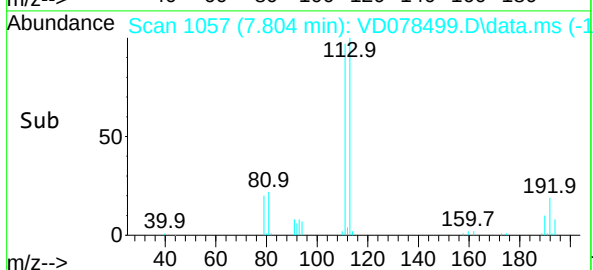
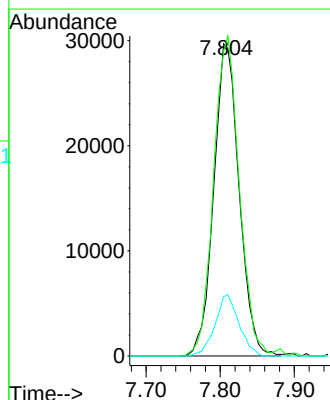
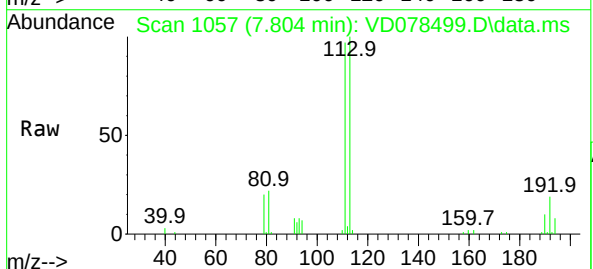
Tgt Ion:113 Resp: 70438

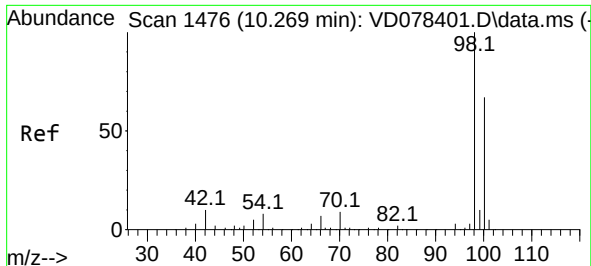
Ion Ratio Lower Upper

113 100

111 104.1 84.7 127.1

192 18.6 16.8 25.2

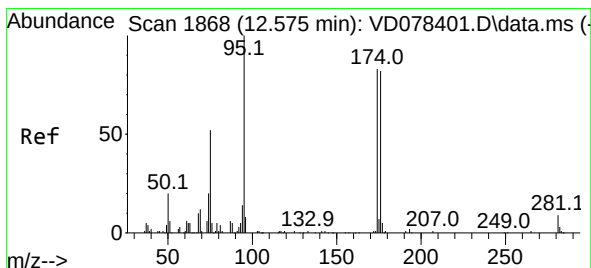
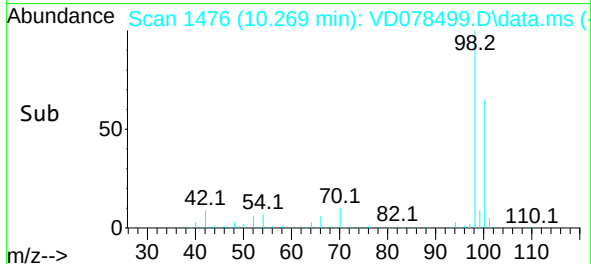
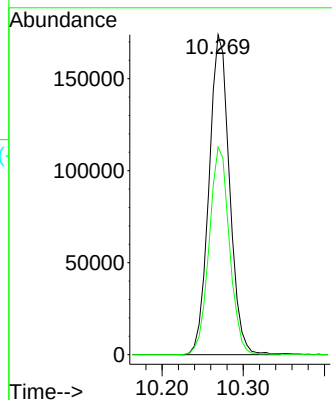
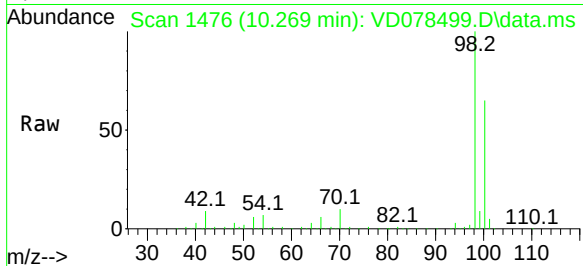




#50
Toluene-d8
Concen: 50.712 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD078499.D
Acq: 21 Feb 2024 15:18

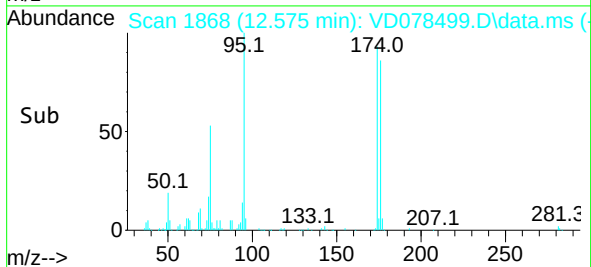
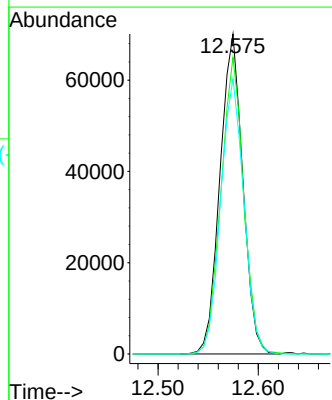
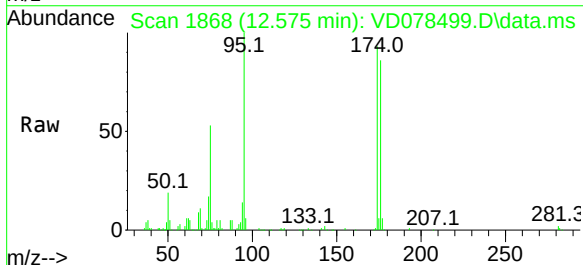
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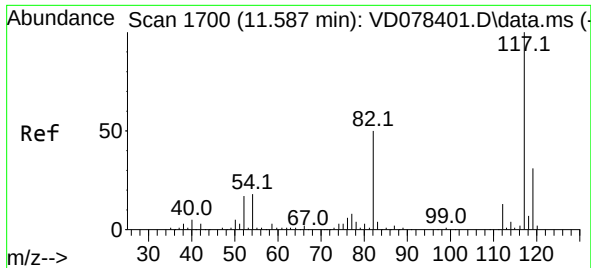
Tgt Ion: 98 Resp: 305217
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 63.032 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078499.D
Acq: 21 Feb 2024 15:18

Tgt Ion: 95 Resp: 110397
Ion Ratio Lower Upper
95 100
174 92.6 0.0 201.8
176 87.2 0.0 191.8

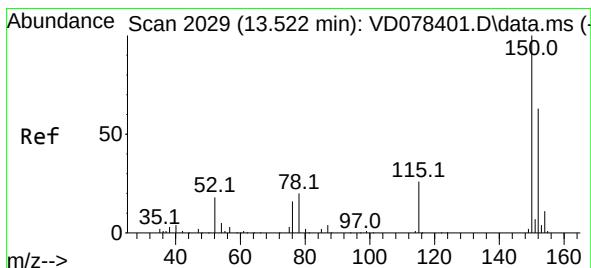
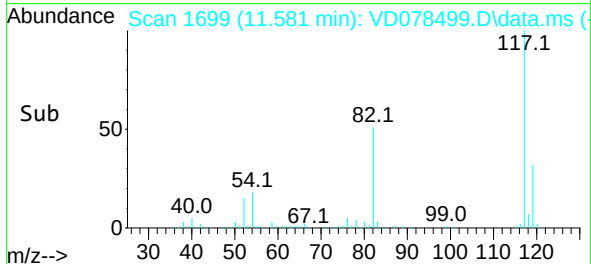
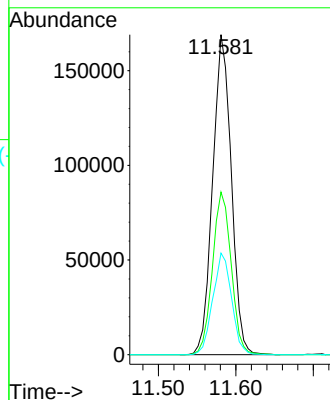
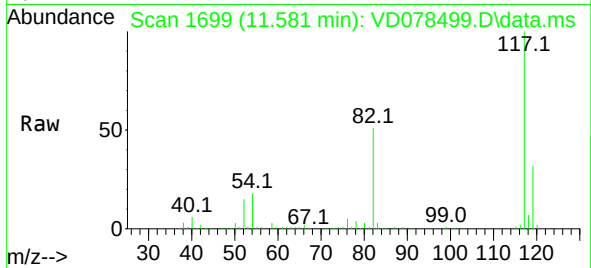




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VD078499.D
Acq: 21 Feb 2024 15:18

Instrument :
MSVOA_D
ClientSampleId :
20241099-COMPOSITE-35N-N-4-04

Tgt Ion:117 Resp: 282178
Ion Ratio Lower Upper
117 100
82 50.8 38.3 57.5
119 31.7 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: VD078499.D
Acq: 21 Feb 2024 15:18

Tgt Ion:152 Resp: 137449
Ion Ratio Lower Upper
152 100
115 55.3 27.1 81.3
150 156.8 0.0 353.6

