

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD030124\
 Data File : VD078579.D
 Acq On : 01 Mar 2024 15:00
 Operator : RP/MD
 Sample : VIBLK
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Mar 02 03:58:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D030124S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 03:50:17 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	146435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	270956	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	323537	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	170495	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	52762	36.348	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	72.700%
35) Dibromofluoromethane	7.804	113	78975	44.807	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.620%
50) Toluene-d8	10.269	98	339134	49.516	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.040%
62) 4-Bromofluorobenzene	12.575	95	132047	67.503	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	135.000%

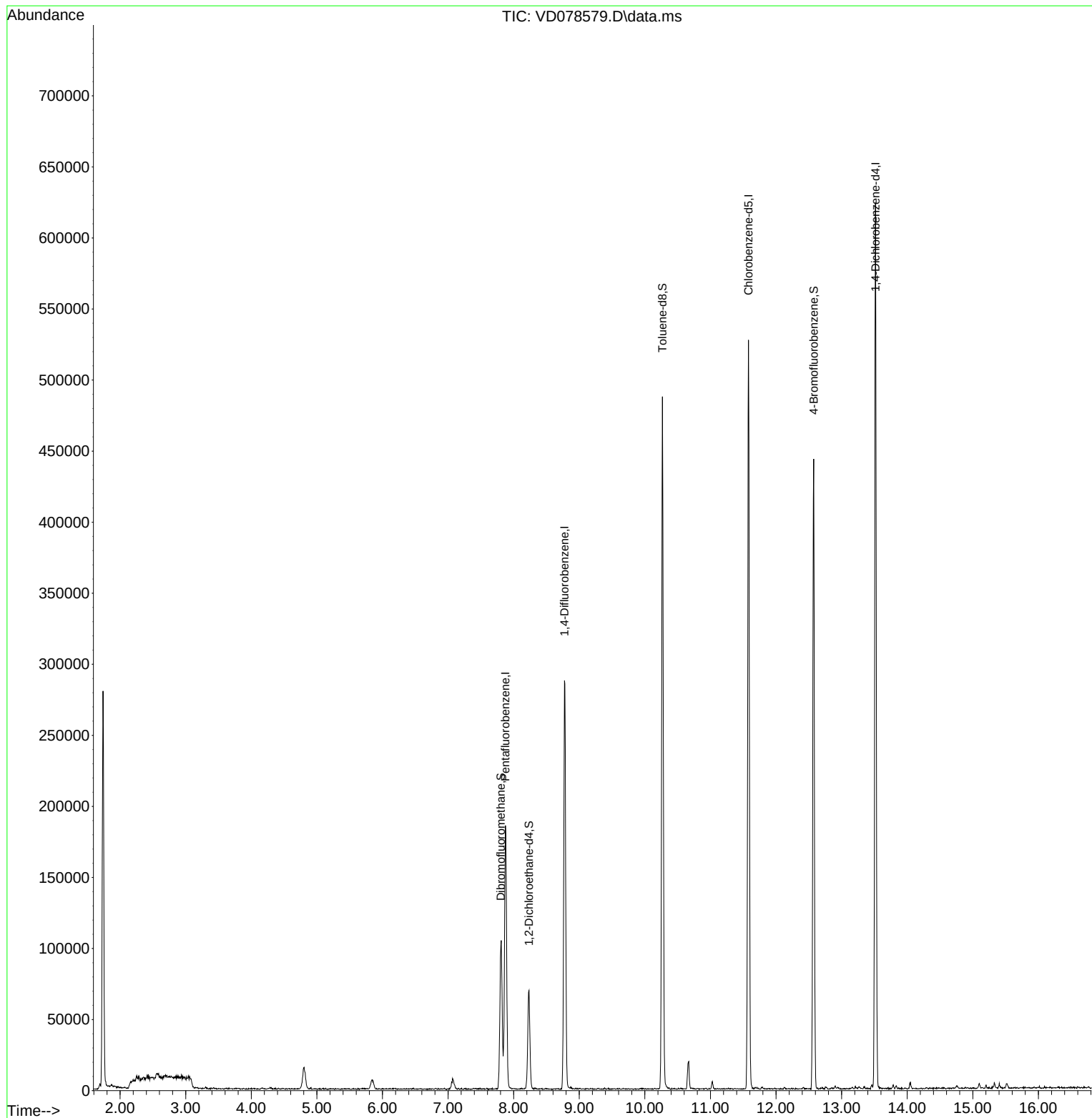
Target Compounds	Qvalue

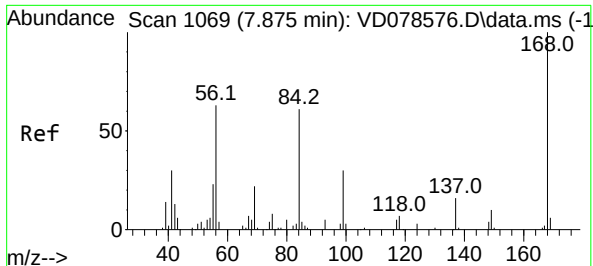
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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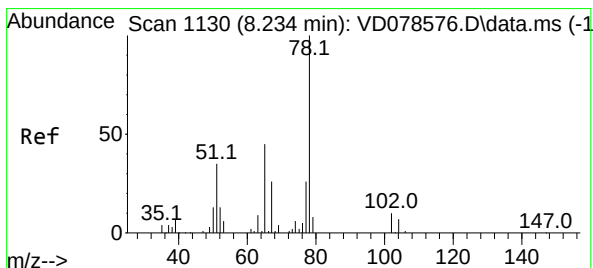
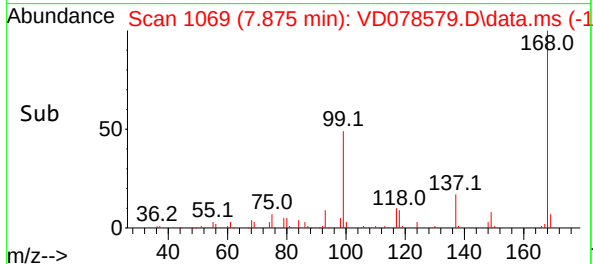
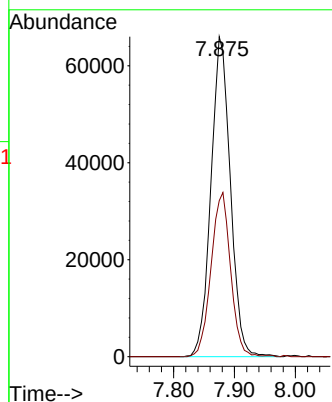
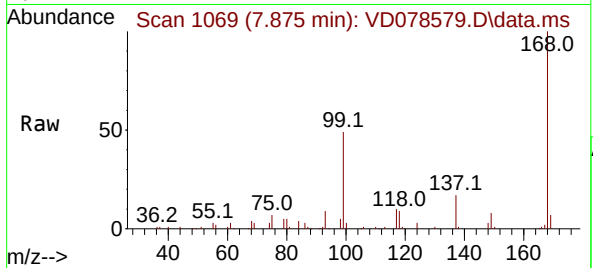




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD078579.D
Acq: 01 Mar 2024 15:00

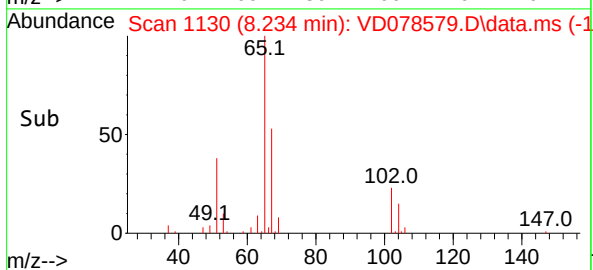
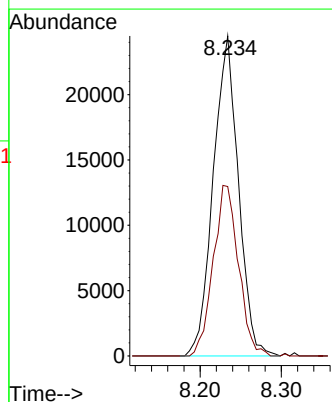
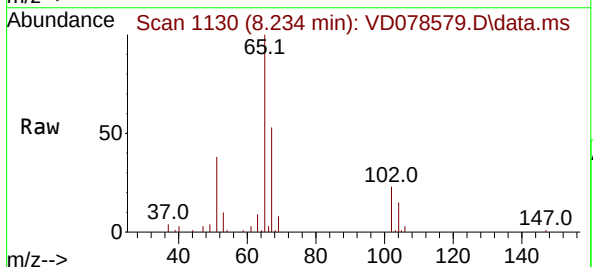
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

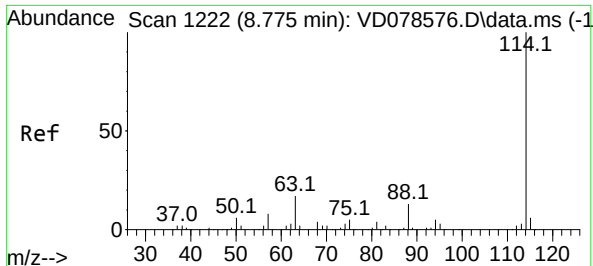
Tgt Ion:168 Resp: 146435
Ion Ratio Lower Upper
168 100
99 48.8 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 36.348 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078579.D
Acq: 01 Mar 2024 15:00

Tgt Ion: 65 Resp: 52762
Ion Ratio Lower Upper
65 100
67 53.5 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: VD078579.D

Acq: 01 Mar 2024 15:00

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

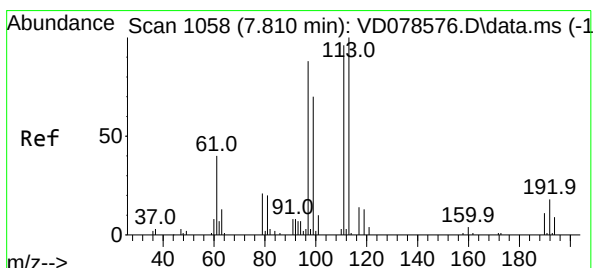
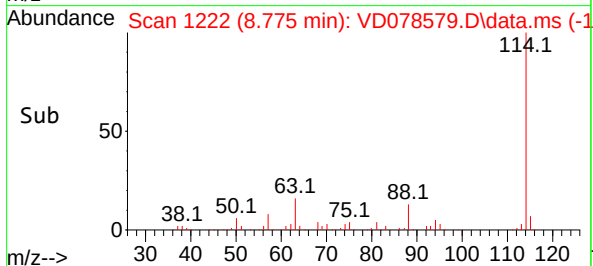
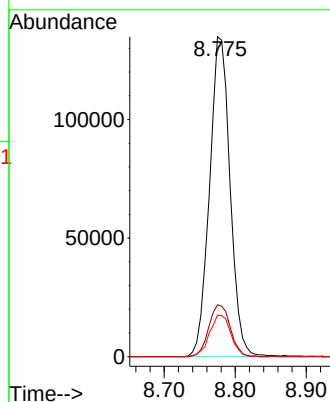
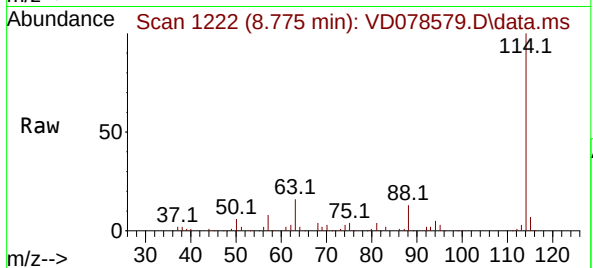
Tgt Ion:114 Resp: 270956

Ion Ratio Lower Upper

114 100

63 16.2 0.0 33.4

88 13.0 0.0 26.2



#35

Dibromofluoromethane

Concen: 44.807 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD078579.D

Acq: 01 Mar 2024 15:00

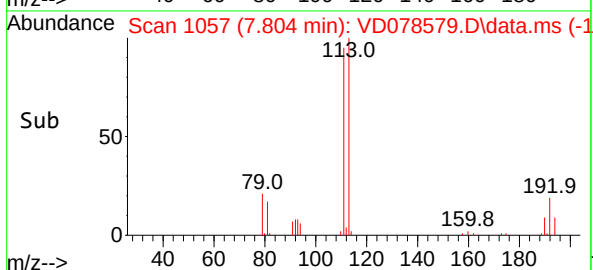
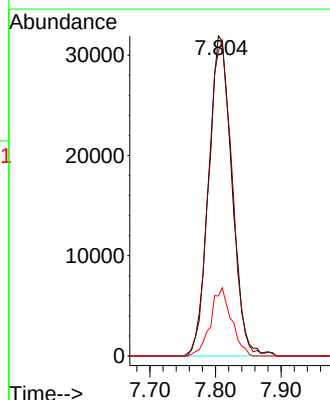
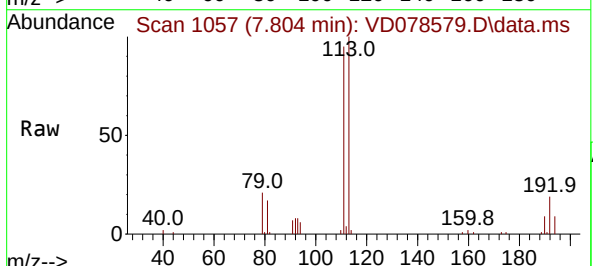
Tgt Ion:113 Resp: 78975

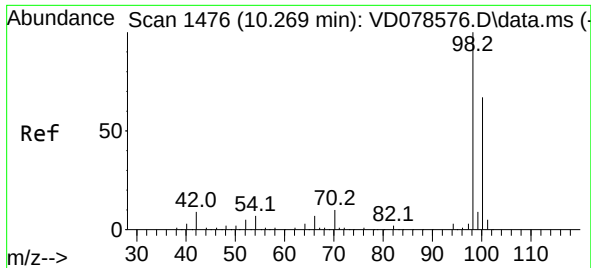
Ion Ratio Lower Upper

113 100

111 98.8 84.7 127.1

192 19.1 16.8 25.2

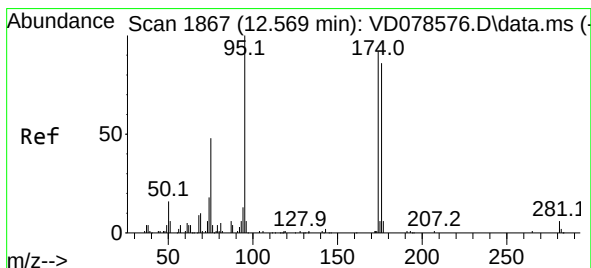
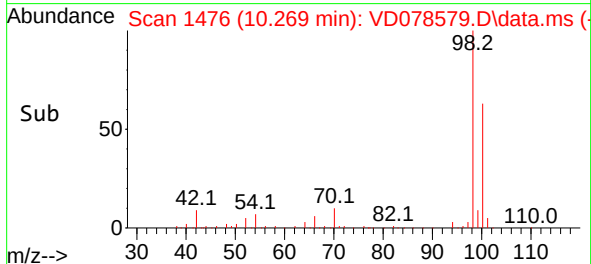
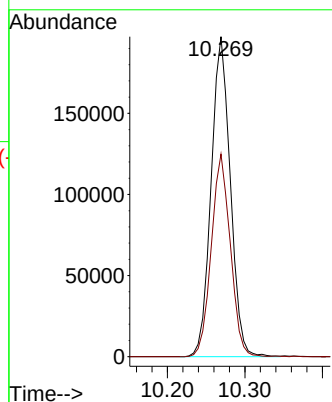
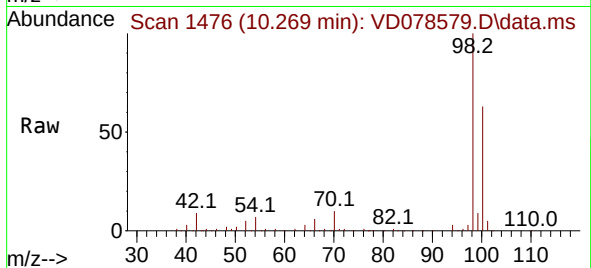




#50
Toluene-d8
Concen: 49.516 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD078579.D
Acq: 01 Mar 2024 15:00

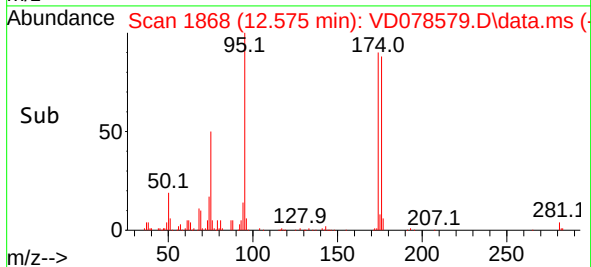
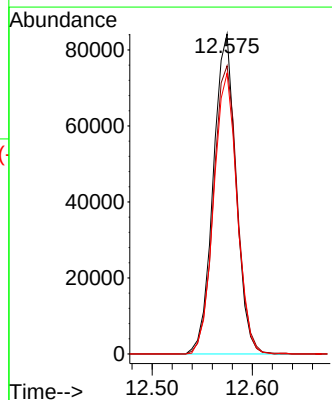
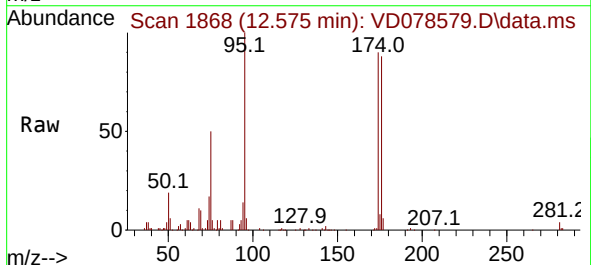
Instrument :
MSVOA_D
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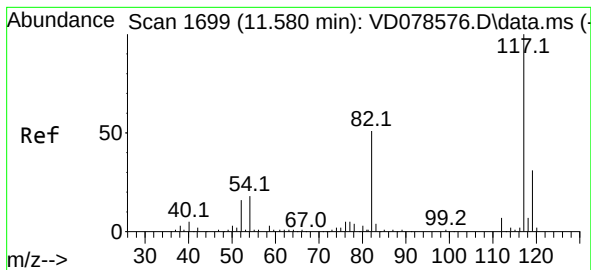
Tgt Ion: 98 Resp: 339134
Ion Ratio Lower Upper
98 100
100 62.7 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 67.503 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD078579.D
Acq: 01 Mar 2024 15:00

Tgt Ion: 95 Resp: 132047
Ion Ratio Lower Upper
95 100
174 94.3 0.0 201.8
176 90.2 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078579.D

Acq: 01 Mar 2024 15:00

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

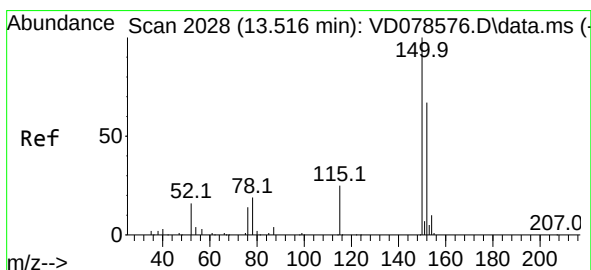
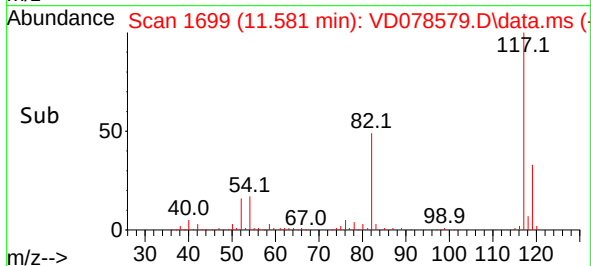
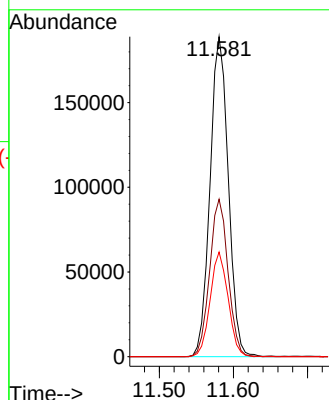
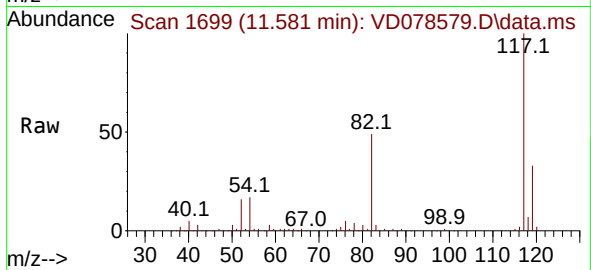
Tgt Ion:117 Resp: 323537

Ion Ratio Lower Upper

117 100

82 49.2 38.3 57.5

119 32.7 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078579.D

Acq: 01 Mar 2024 15:00

Tgt Ion:152 Resp: 170495

Ion Ratio Lower Upper

152 100

115 53.9 27.1 81.3

150 154.3 0.0 353.6

