

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020425\
 Data File : VD080234.D
 Acq On : 04 Feb 2025 12:31
 Operator : RP/MD
 Sample : VD0204SBL01
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0204SBL01

Quant Time: Feb 05 00:39:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D020325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 04 05:44:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	108713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	188910	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	172019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	79252	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76102	53.815	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	107.640%
35) Dibromofluoromethane	7.805	113	68804	51.390	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.780%
50) Toluene-d8	10.269	98	240894	48.518	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.040%
62) 4-Bromofluorobenzene	12.569	95	70434	44.212	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.420%

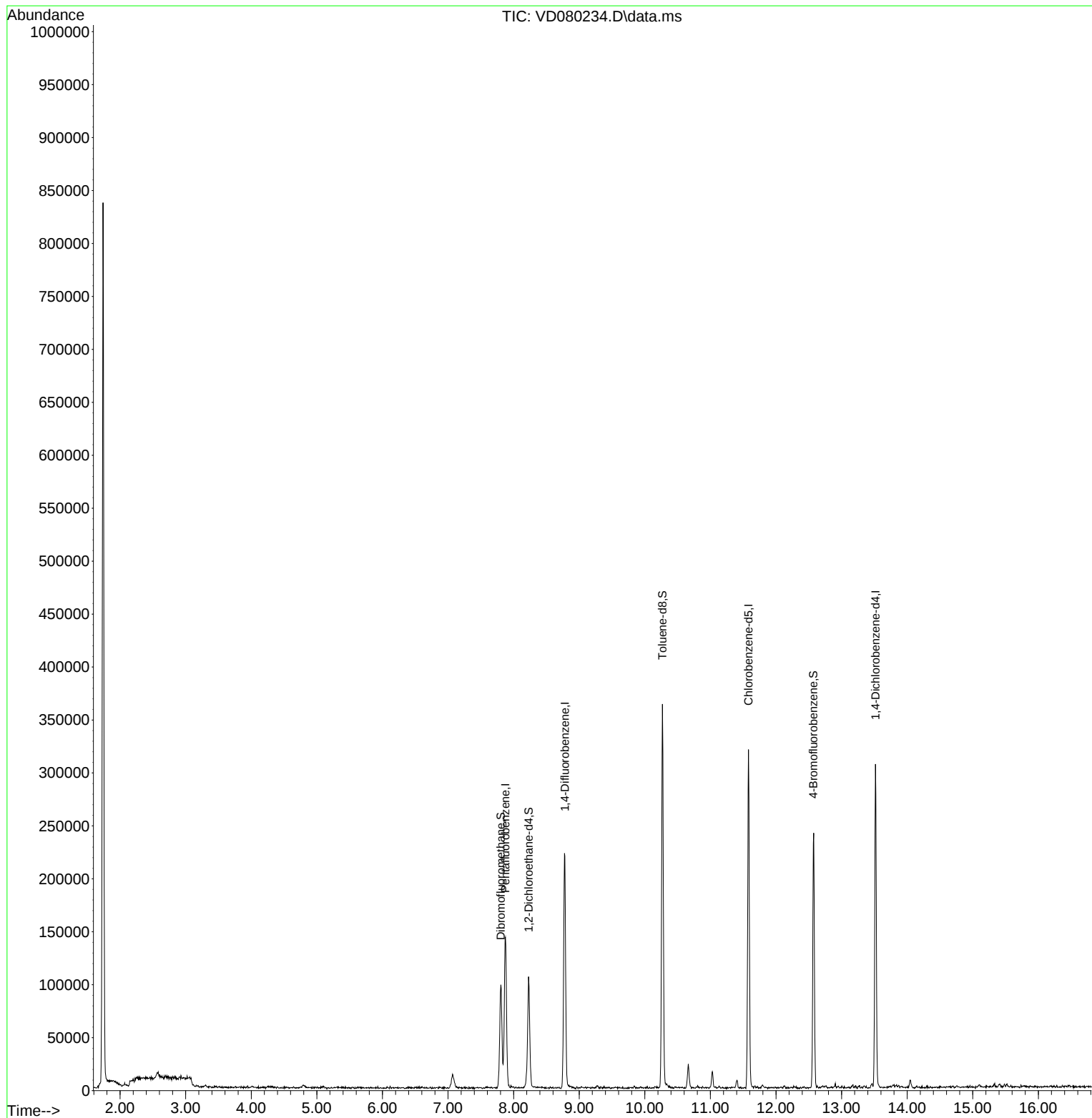
Target Compounds	Qvalue

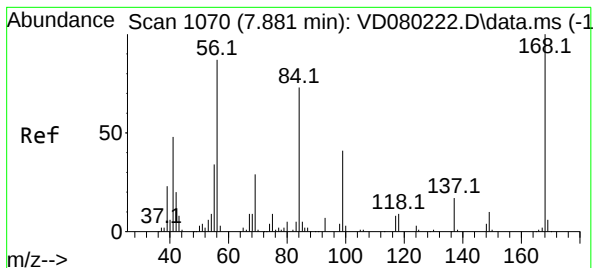
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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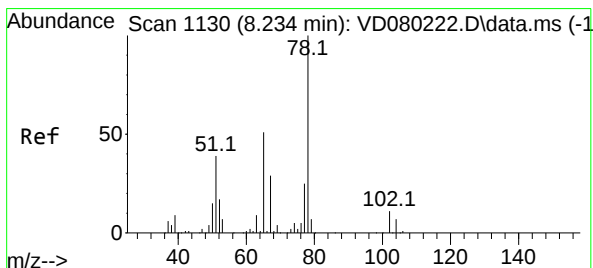
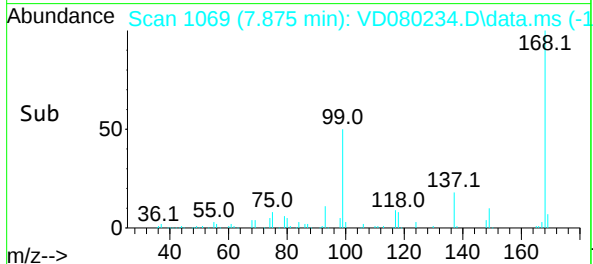
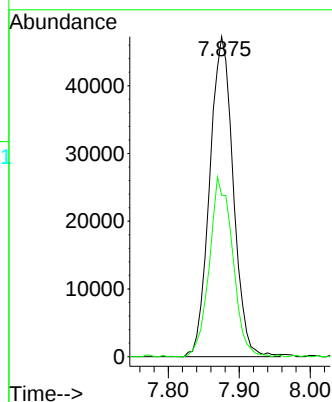
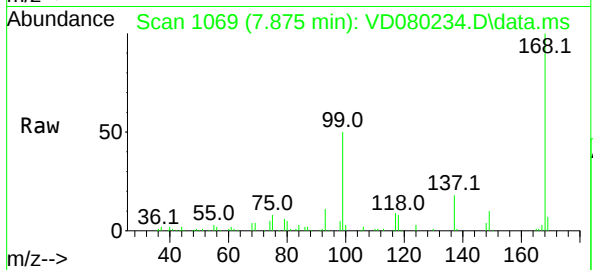




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

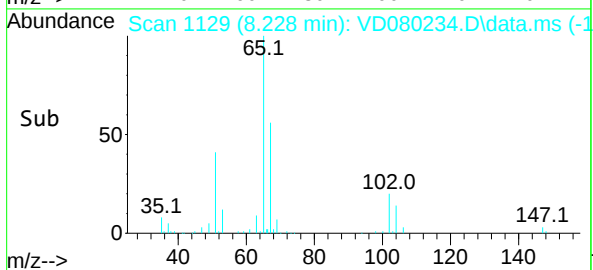
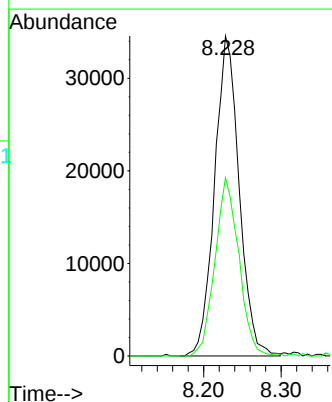
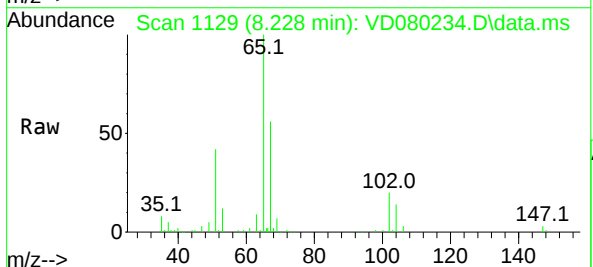
Instrument :
MSVOA_D
ClientSampleId :
VD0204SBL01

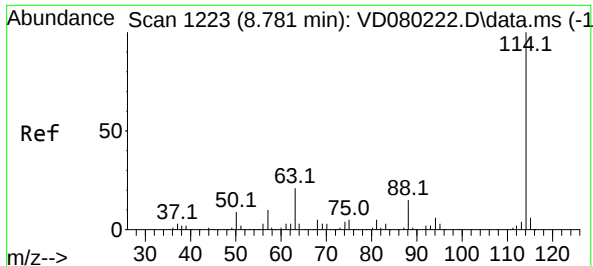
Tgt Ion:168 Resp: 108713
Ion Ratio Lower Upper
168 100
99 50.4 44.4 66.6



#33
1,2-Dichloroethane-d4
Concen: 53.815 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

Tgt Ion: 65 Resp: 76102
Ion Ratio Lower Upper
65 100
67 54.1 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080234.D

Acq: 04 Feb 2025 12:31

Instrument :

MSVOA_D

ClientSampleId :

VD0204SBL01

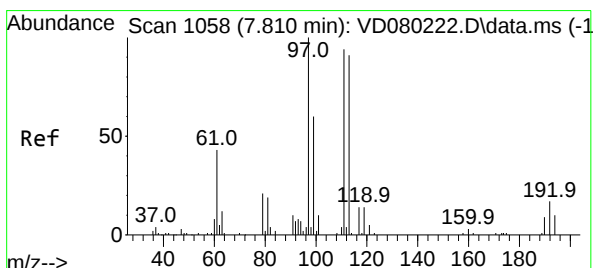
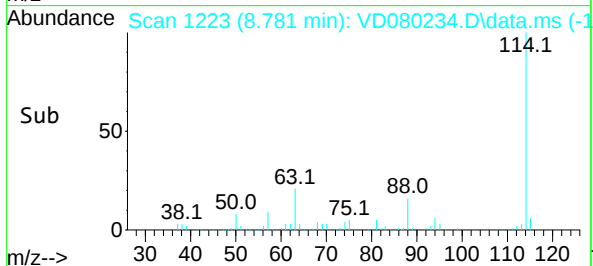
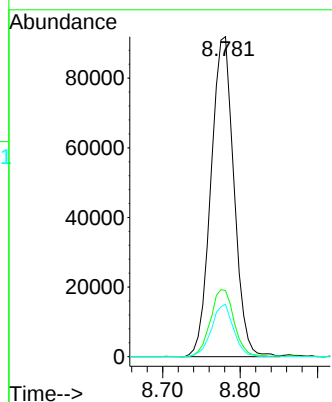
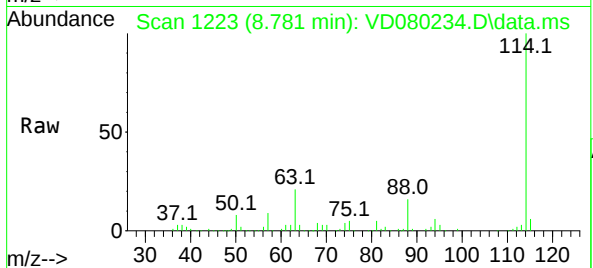
Tgt Ion:114 Resp: 188910

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.8

88 16.4 0.0 30.4



#35

Dibromofluoromethane

Concen: 51.390 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD080234.D

Acq: 04 Feb 2025 12:31

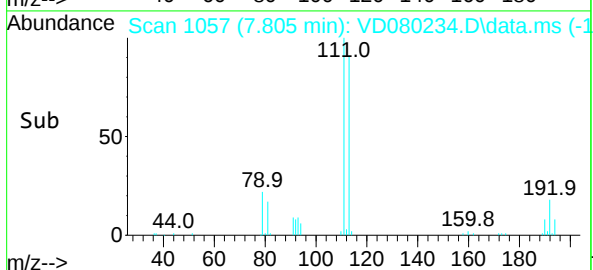
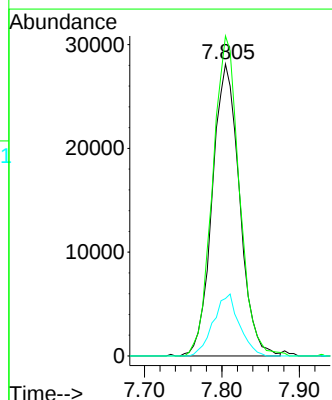
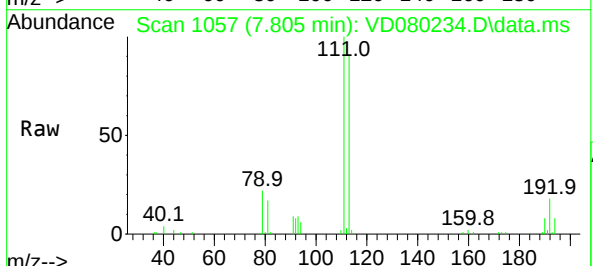
Tgt Ion:113 Resp: 68804

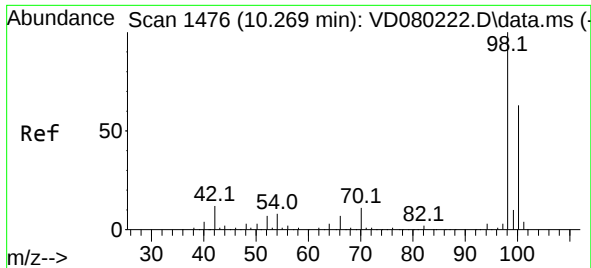
Ion Ratio Lower Upper

113 100

111 107.4 85.0 127.4

192 20.1 15.5 23.3

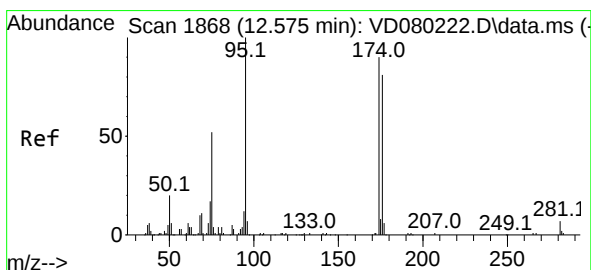
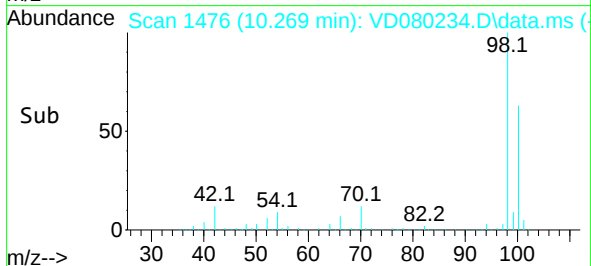
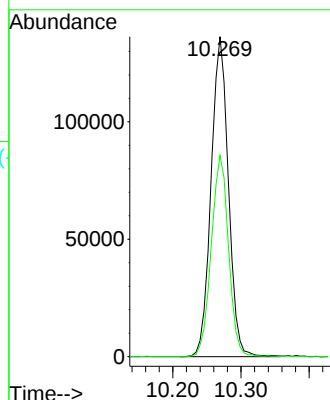
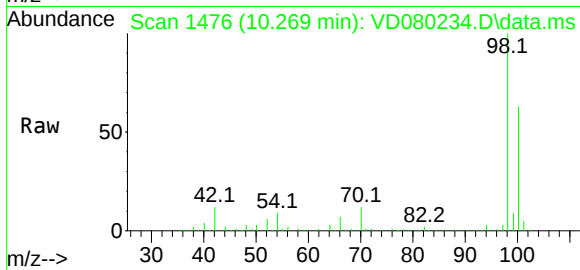




#50
Toluene-d8
Concen: 48.518 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

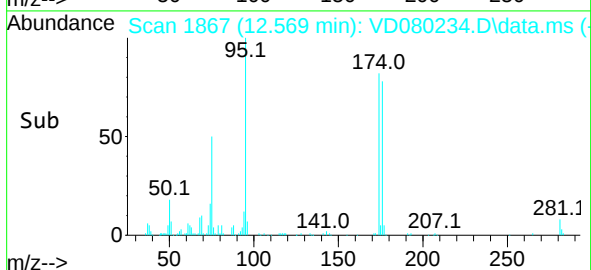
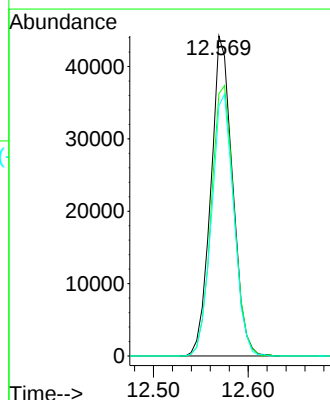
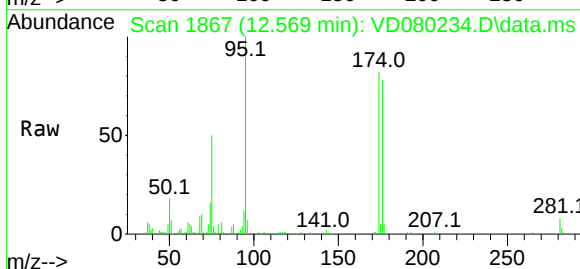
Instrument :
MSVOA_D
ClientSampleId :
VD0204SBL01

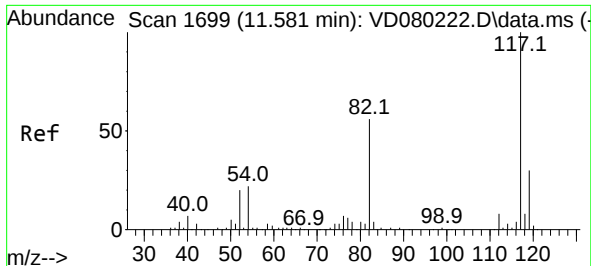
Tgt Ion: 98 Resp: 240894
Ion Ratio Lower Upper
98 100
100 62.6 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 44.212 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

Tgt Ion: 95 Resp: 70434
Ion Ratio Lower Upper
95 100
174 88.0 0.0 171.8
176 83.7 0.0 159.6

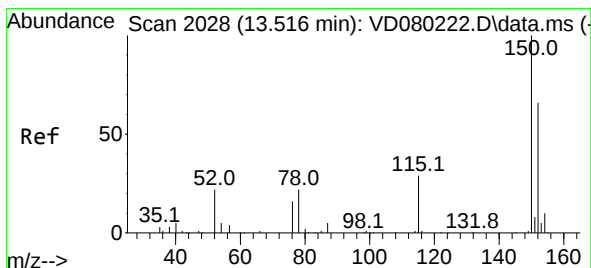
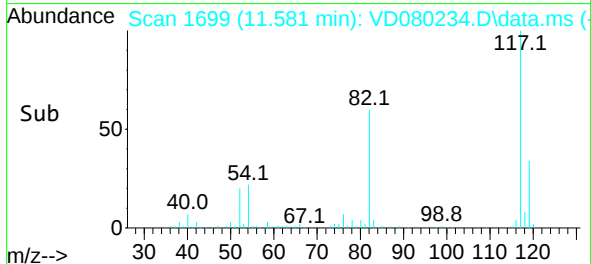
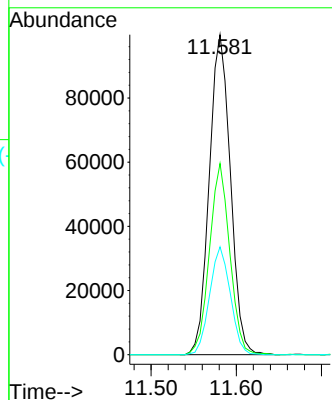
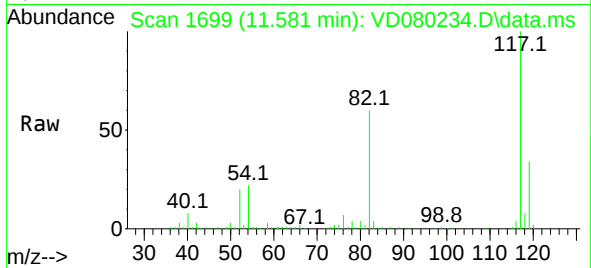




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

Instrument :
MSVOA_D
ClientSampleId :
VD0204SBL01

Tgt Ion:117 Resp: 172019
Ion Ratio Lower Upper
117 100
82 59.7 45.0 67.6
119 33.7 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD080234.D
Acq: 04 Feb 2025 12:31

Tgt Ion:152 Resp: 79252
Ion Ratio Lower Upper
152 100
115 56.0 30.0 90.1
150 157.1 0.0 350.4

