

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD020425\
 Data File : VD080237.D
 Acq On : 04 Feb 2025 15:25
 Operator : RP/MD
 Sample : Q1254-01
 Misc : 4.99G/5ml/MSVOA_D/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-01312025

Quant Time: Feb 05 00:41:47 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	7.869	168	6283	50.000	ug/l	#-0.01
34) 1,4-Difluorobenzene	8.781	114	11010	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	9652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	2889	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.222	65	4471	54.705	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	109.400%
35) Dibromofluoromethane	7.804	113	4779	61.245	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	122.480%
50) Toluene-d8	10.263	98	11786	40.730	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	81.460%
62) 4-Bromofluorobenzene	12.569	95	3332	35.886	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	71.780%

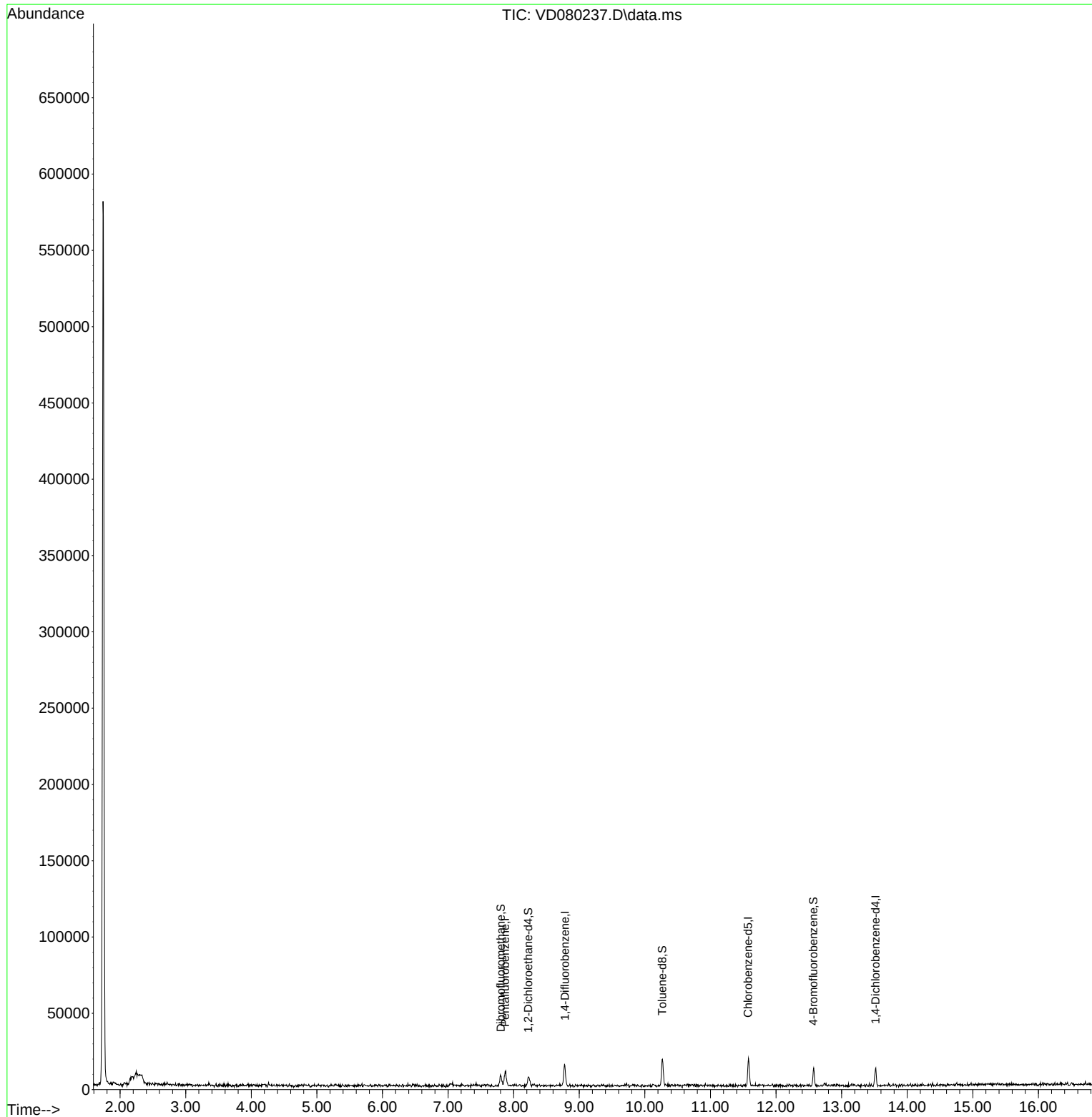
Target Compounds	Qvalue

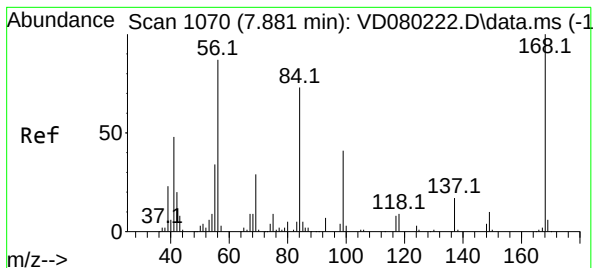
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.869 min Scan# 1108

Delta R.T. -0.012 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

Instrument :

MSVOA_D

ClientSampleId :

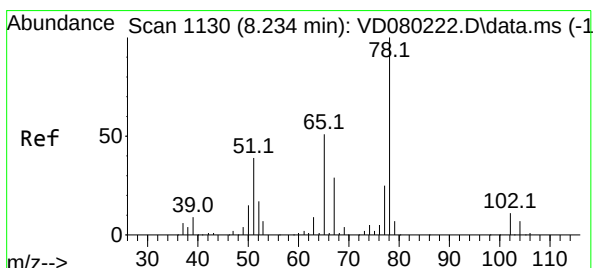
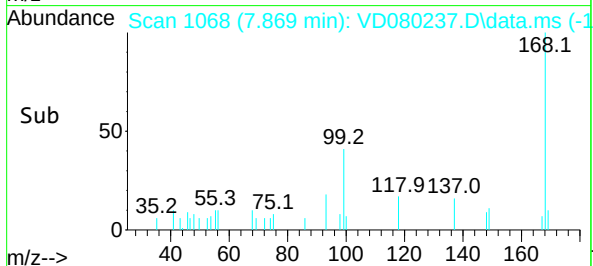
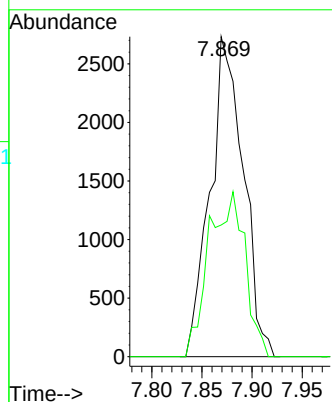
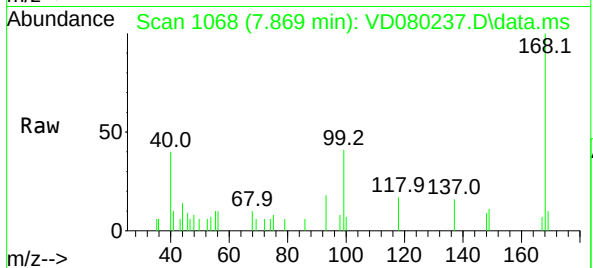
OK-02-01312025

Tgt Ion:168 Resp: 6283

Ion Ratio Lower Upper

168 100

99 41.1 44.4 66.6#



#33

1,2-Dichloroethane-d4

Concen: 54.705 ug/l

RT: 8.222 min Scan# 1128

Delta R.T. -0.012 min

Lab File: VD080237.D

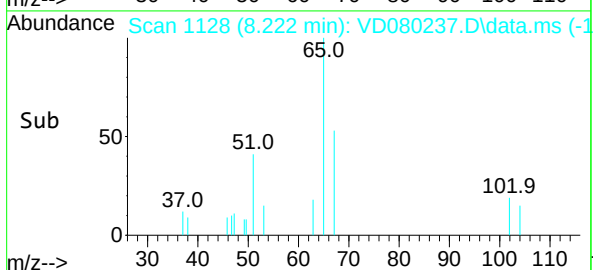
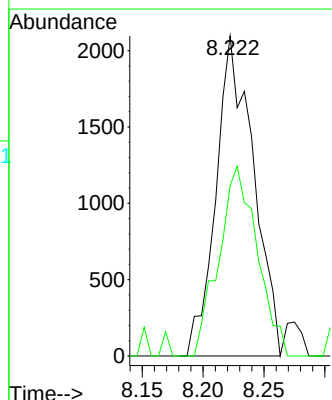
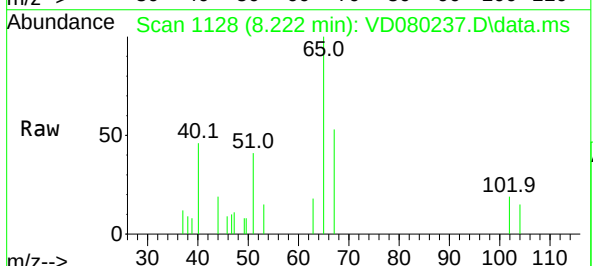
Acq: 04 Feb 2025 15:25

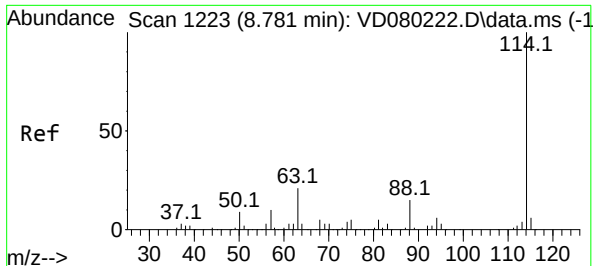
Tgt Ion: 65 Resp: 4471

Ion Ratio Lower Upper

65 100

67 61.1 0.0 107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 110

Delta R.T. -0.000 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

Instrument :

MSVOA_D

ClientSampleId :

OK-02-01312025

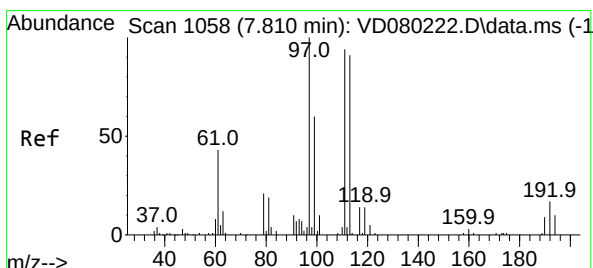
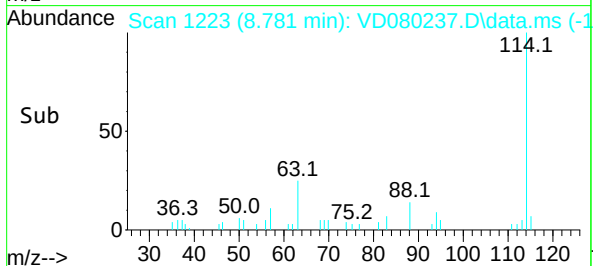
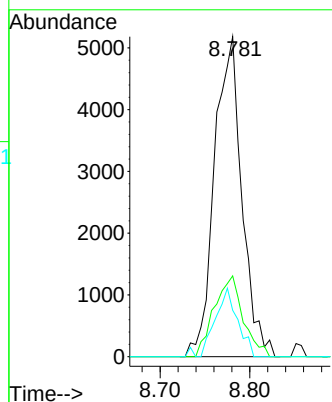
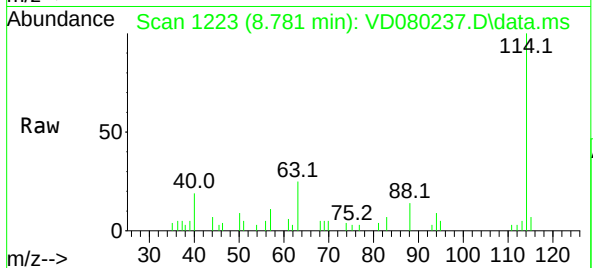
Tgt Ion:114 Resp: 11010

Ion Ratio Lower Upper

114 100

63 25.3 0.0 41.8

88 14.5 0.0 30.4



#35

Dibromofluoromethane

Concen: 61.245 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

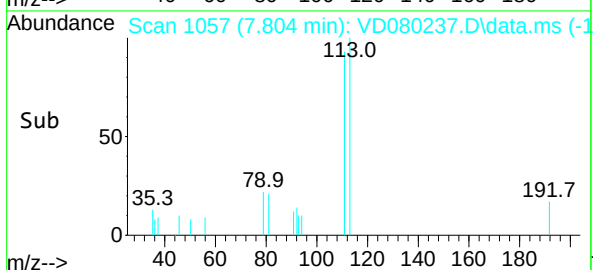
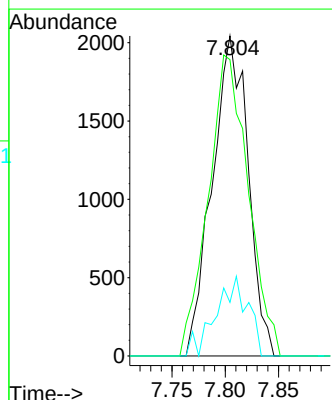
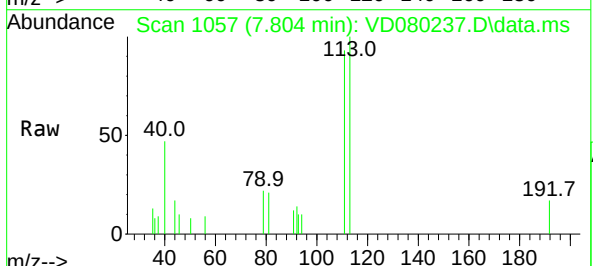
Tgt Ion:113 Resp: 4779

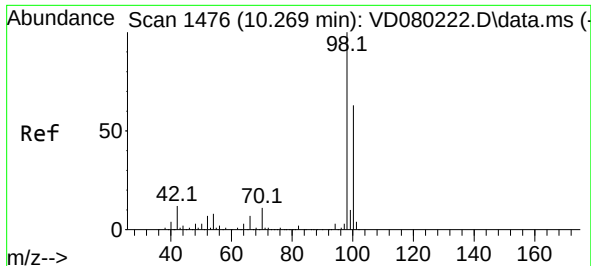
Ion Ratio Lower Upper

113 100

111 104.8 85.0 127.4

192 22.1 15.5 23.3

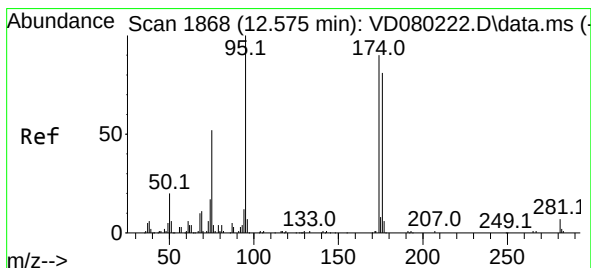
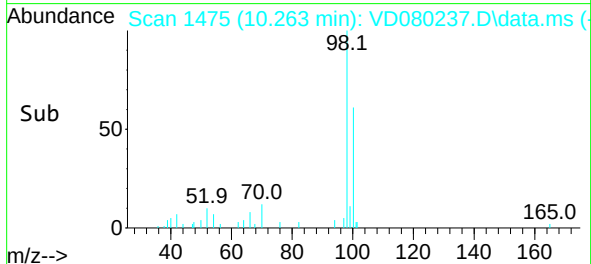
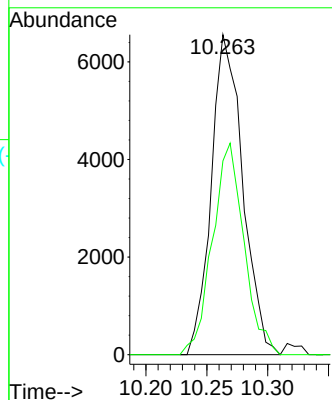
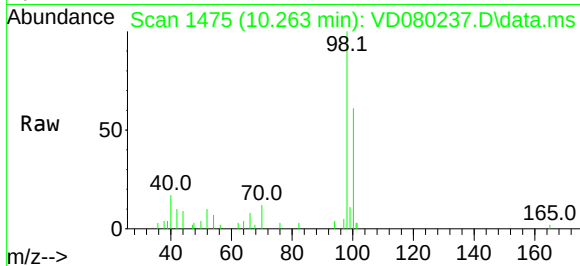




#50
Toluene-d8
Concen: 40.730 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VD080237.D
Acq: 04 Feb 2025 15:25

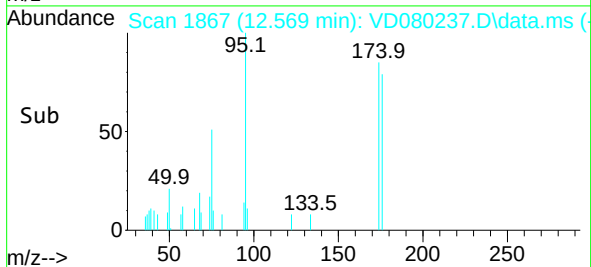
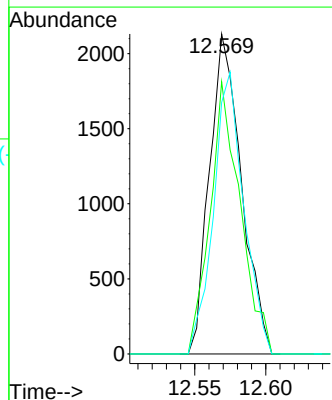
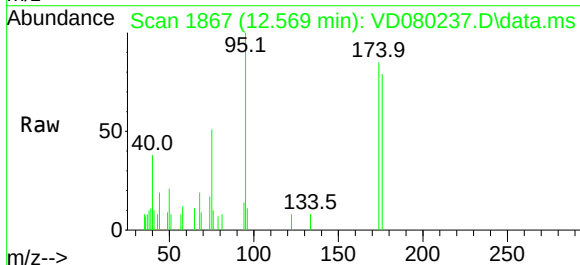
Instrument :
MSVOA_D
ClientSampleId :
OK-02-01312025

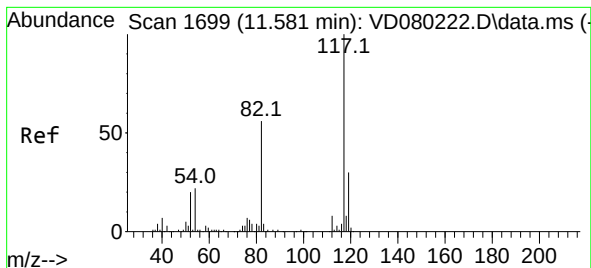
Tgt Ion: 98 Resp: 11786
Ion Ratio Lower Upper
98 100
100 66.3 50.2 75.4



#62
4-Bromofluorobenzene
Concen: 35.886 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD080237.D
Acq: 04 Feb 2025 15:25

Tgt Ion: 95 Resp: 3332
Ion Ratio Lower Upper
95 100
174 80.5 0.0 171.8
176 83.7 0.0 159.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.575 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD080237.D

Acq: 04 Feb 2025 15:25

Instrument :

MSVOA_D

ClientSampleId :

OK-02-01312025

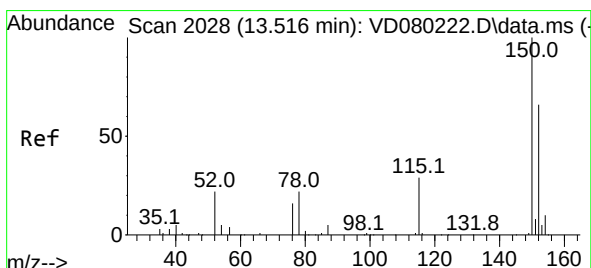
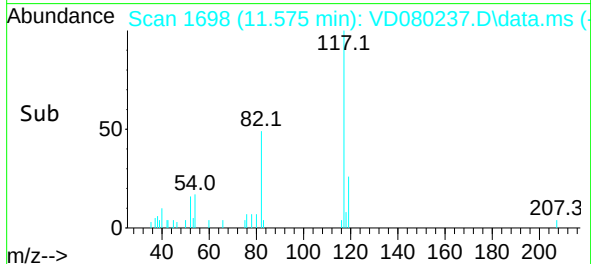
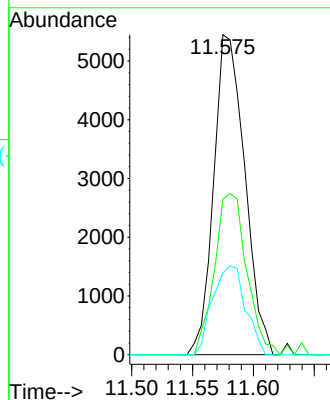
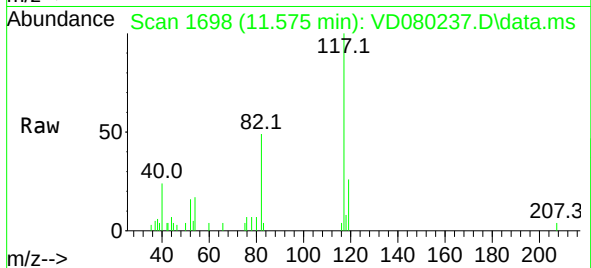
Tgt Ion:117 Resp: 9652

Ion Ratio Lower Upper

117 100

82 48.6 45.0 67.6

119 25.6 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: VD080237.D

Acq: 04 Feb 2025 15:25

Tgt Ion:152 Resp: 2889

Ion Ratio Lower Upper

152 100

115 50.2 30.0 90.1

150 164.0 0.0 350.4

