

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
 Data File : VV039016.D
 Acq On : 22 Aug 2025 14:31
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

Quant Time: Aug 25 02:23:32 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 04:15:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	857609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1671556	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1451078	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	672815	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	679773	56.489	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	112.980%
35) Dibromofluoromethane	4.503	113	557010	44.434	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	88.860%
50) Toluene-d8	7.236	98	1997396	45.693	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	91.380%
62) 4-Bromofluorobenzene	10.001	95	635662	39.750	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	79.500%#

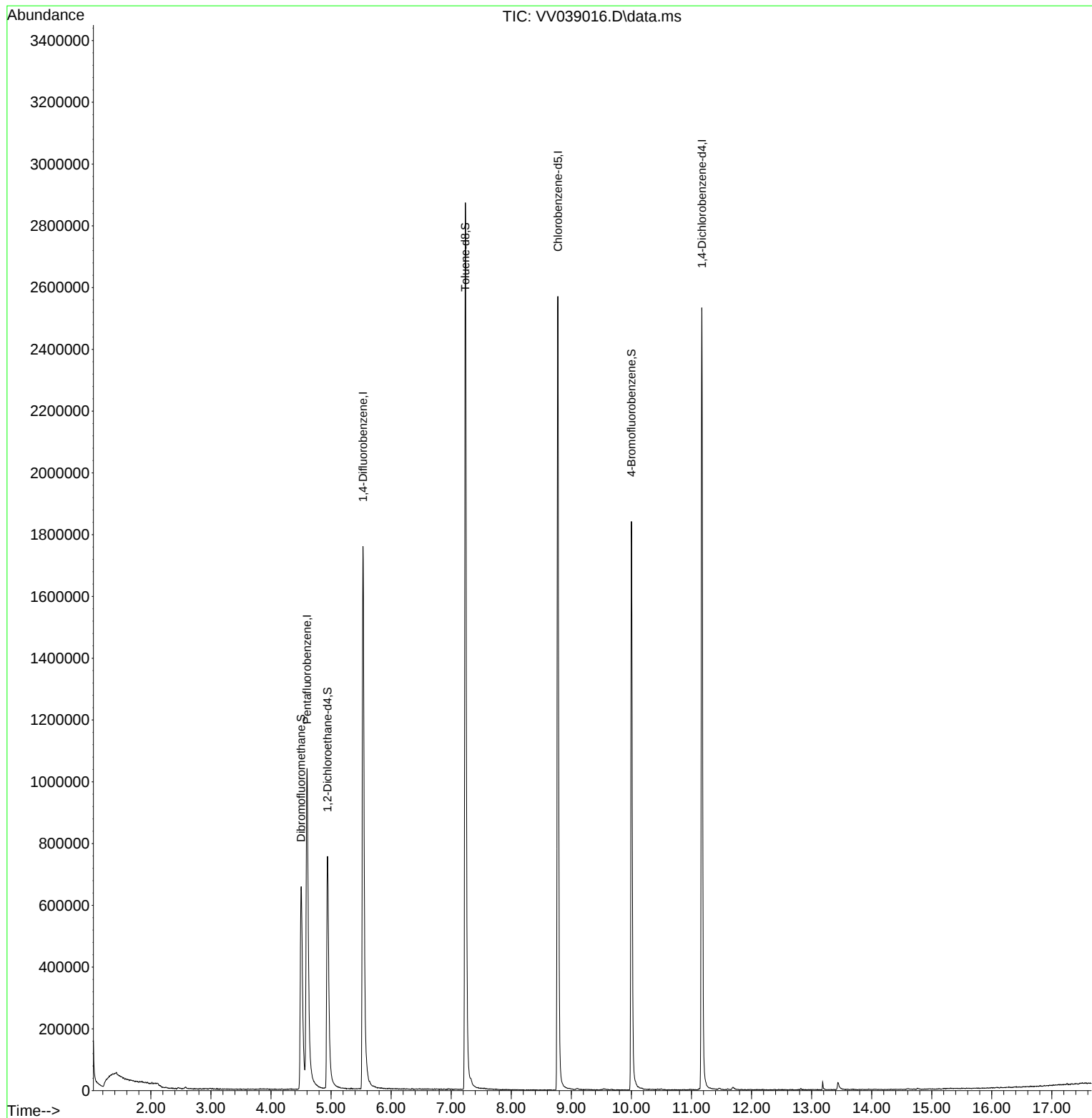
Target Compounds	Qvalue

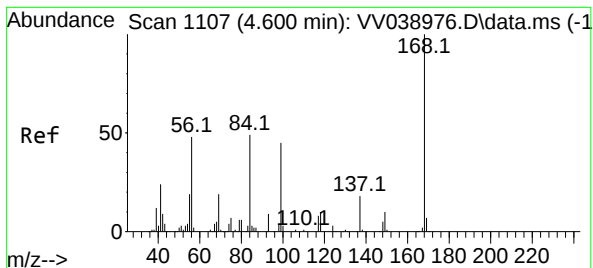
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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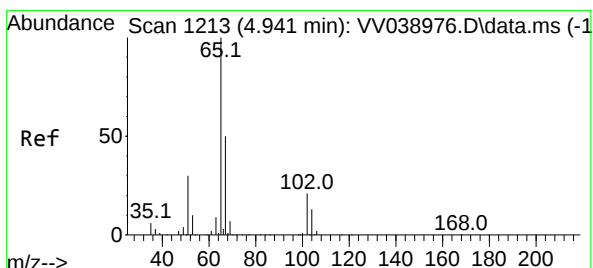
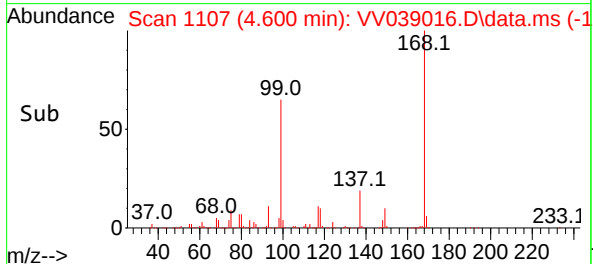
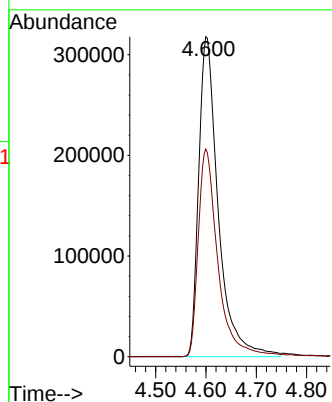
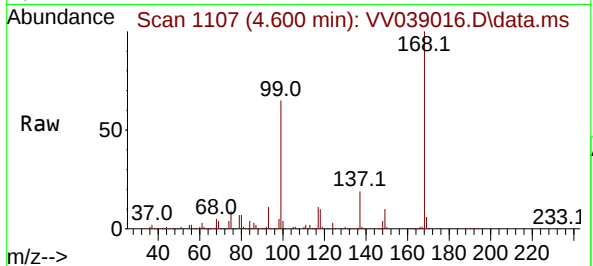




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

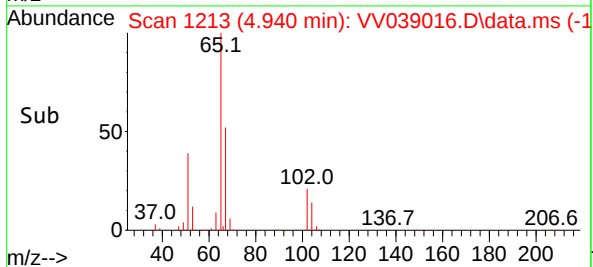
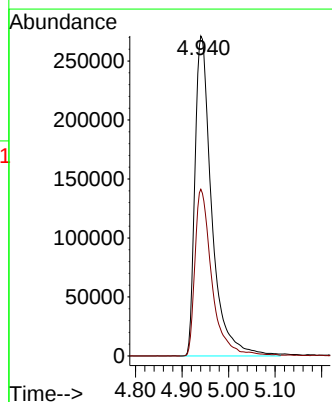
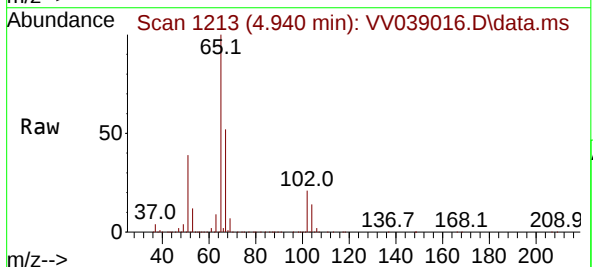
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

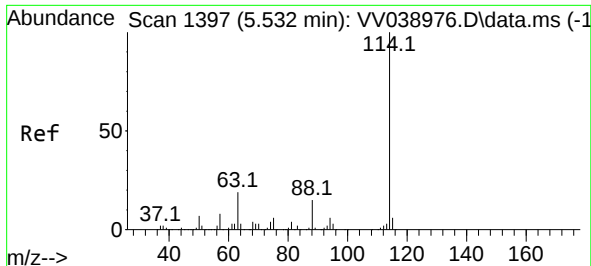
Tgt Ion:168 Resp: 857609
Ion Ratio Lower Upper
168 100
99 64.9 47.0 70.6



#33
1,2-Dichloroethane-d4
Concen: 56.489 ug/l
RT: 4.940 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

Tgt Ion: 65 Resp: 679773
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1

Delta R.T. -0.000 min

Lab File: VV039016.D

Acq: 22 Aug 2025 14:31

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

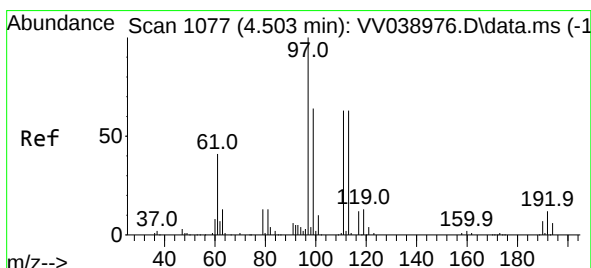
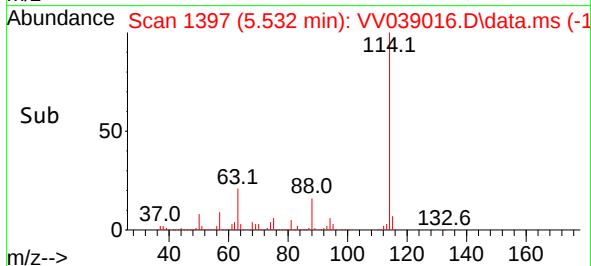
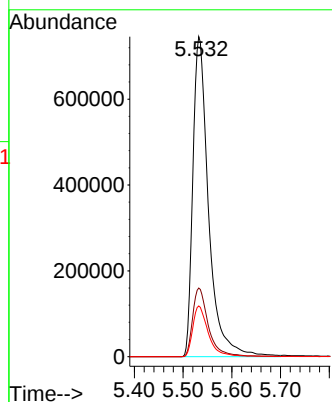
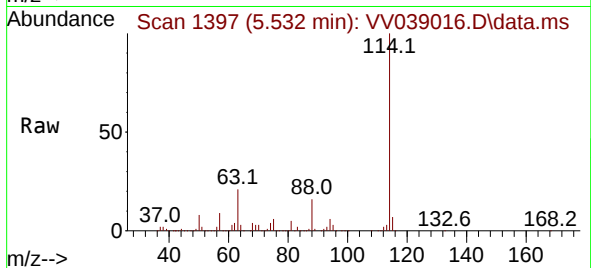
Tgt Ion:114 Resp: 1671556

Ion Ratio Lower Upper

114 100

63 21.5 0.0 37.4

88 15.9 0.0 30.4



#35

Dibromofluoromethane

Concen: 44.434 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VV039016.D

Acq: 22 Aug 2025 14:31

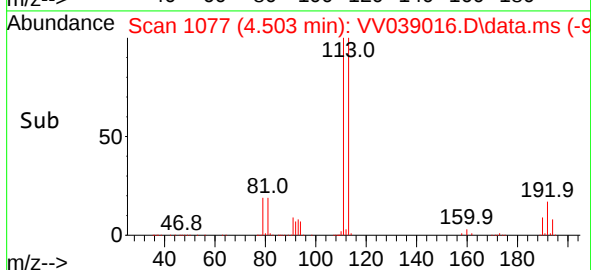
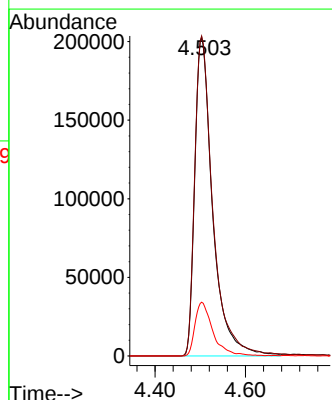
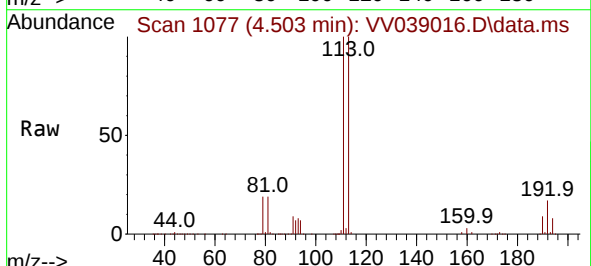
Tgt Ion:113 Resp: 557010

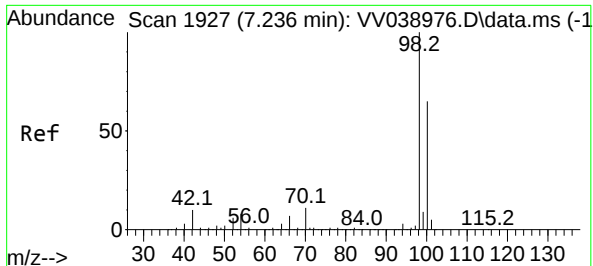
Ion Ratio Lower Upper

113 100

111 101.3 81.3 121.9

192 16.9 15.4 23.0

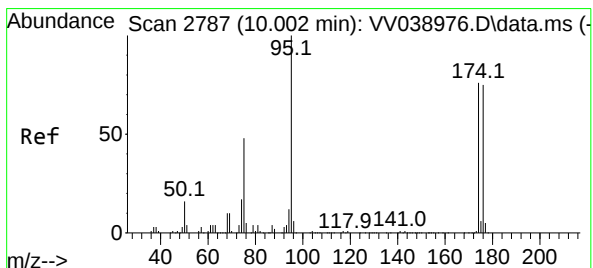
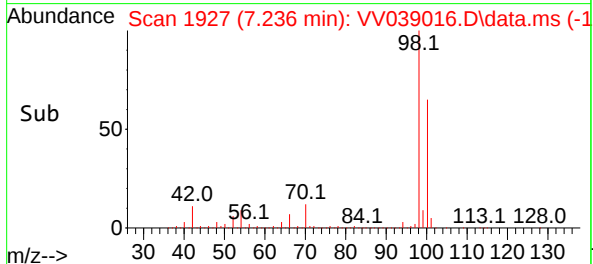
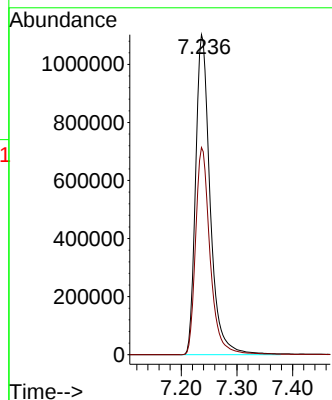
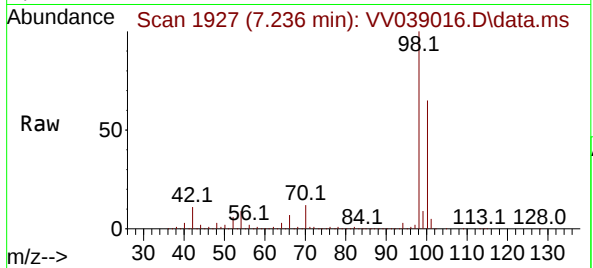




#50
Toluene-d8
Concen: 45.693 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

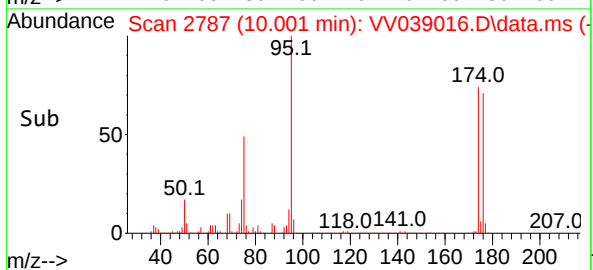
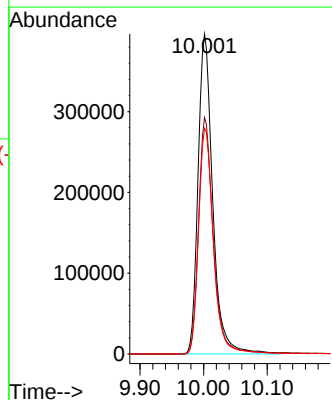
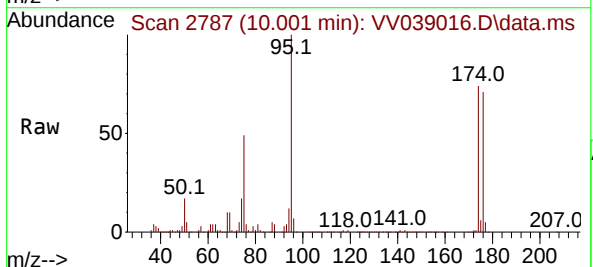
Instrument :
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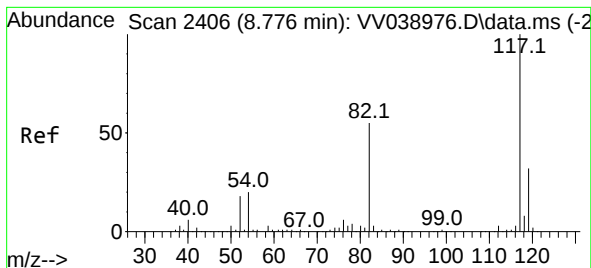
Tgt Ion: 98 Resp: 1997396
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 39.750 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV039016.D
Acq: 22 Aug 2025 14:31

Tgt Ion: 95 Resp: 635662
Ion Ratio Lower Upper
95 100
174 74.0 0.0 154.4
176 71.1 0.0 148.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.776 min Scan# 24

Delta R.T. 0.000 min

Lab File: VV039016.D

Acq: 22 Aug 2025 14:31

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

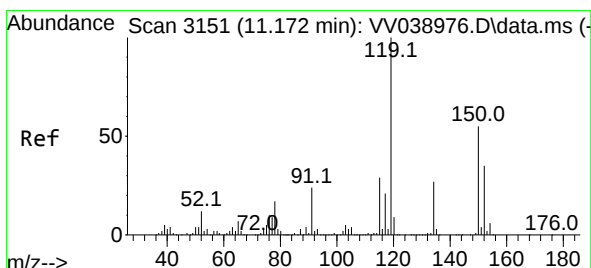
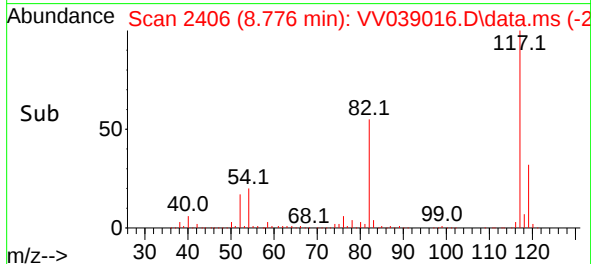
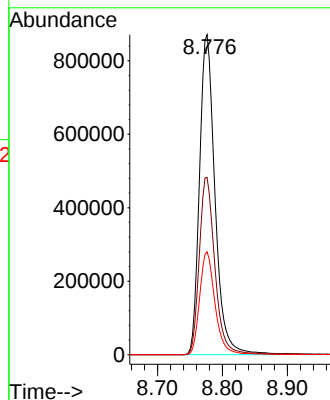
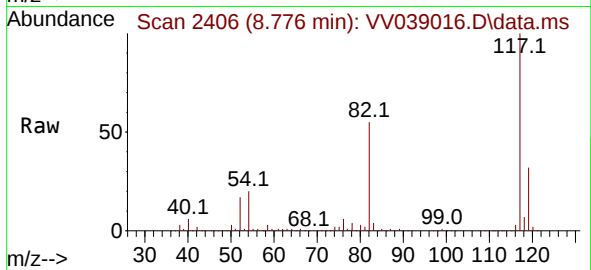
Tgt Ion:117 Resp: 1451078

Ion Ratio Lower Upper

117 100

82 55.4 44.4 66.6

119 32.1 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VV039016.D

Acq: 22 Aug 2025 14:31

Tgt Ion:152 Resp: 672815

Ion Ratio Lower Upper

152 100

115 62.0 42.5 127.5

150 157.1 0.0 344.8

