

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039156.D
 Acq On : 24 Sep 2025 16:38
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

Quant Time: Sep 25 08:18:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	478563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	1112553	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1028443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	423011	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	532790	76.924	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	153.840%#
35) Dibromofluoromethane	4.503	113	434749	48.608	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	97.220%
50) Toluene-d8	7.236	98	1414548	53.849	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	107.700%
62) 4-Bromofluorobenzene	10.001	95	442388	40.908	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	81.820%#

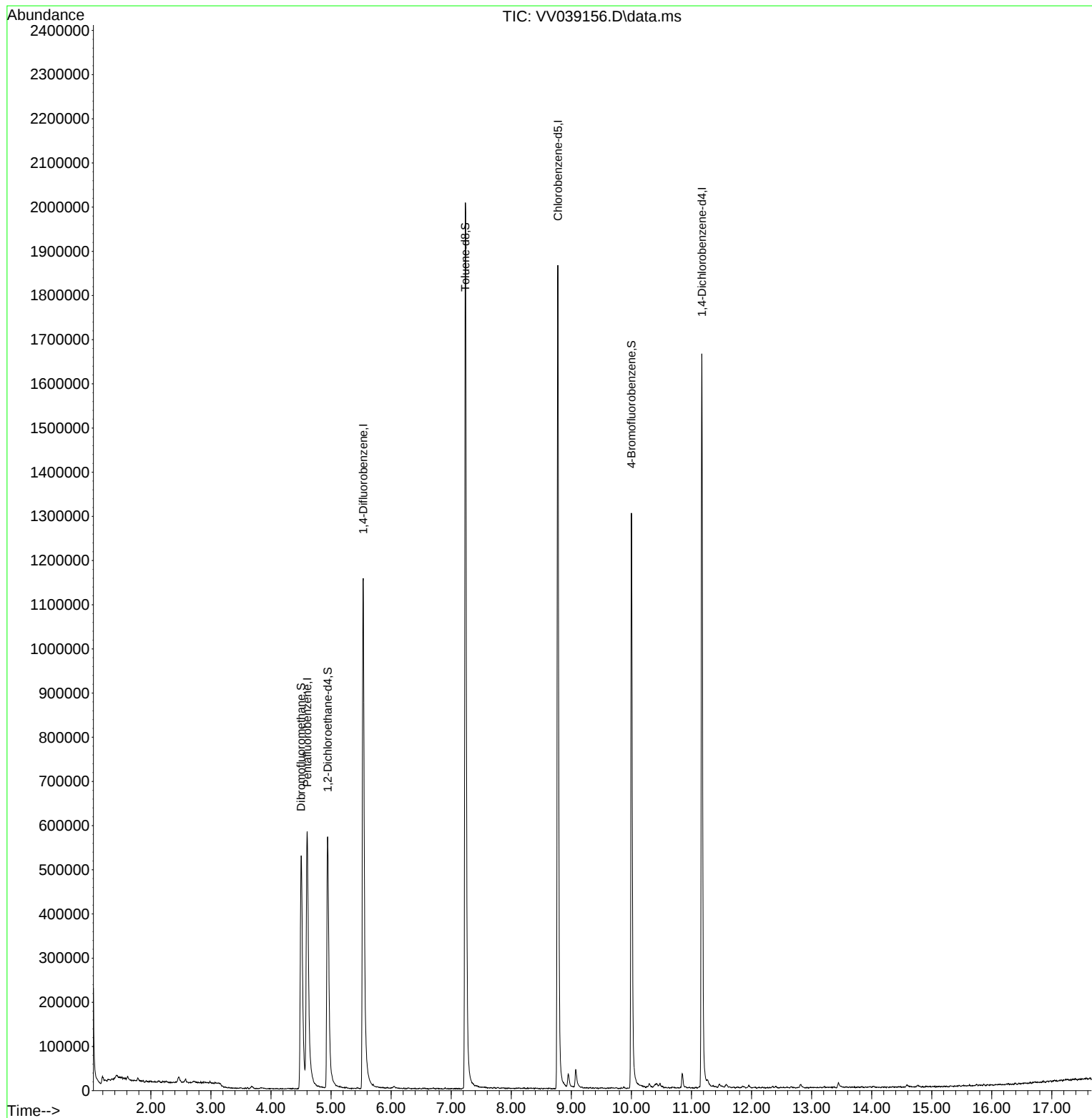
Target Compounds	Qvalue

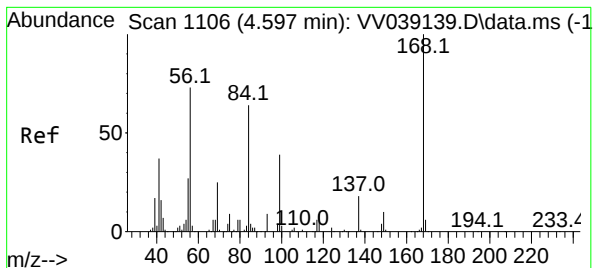
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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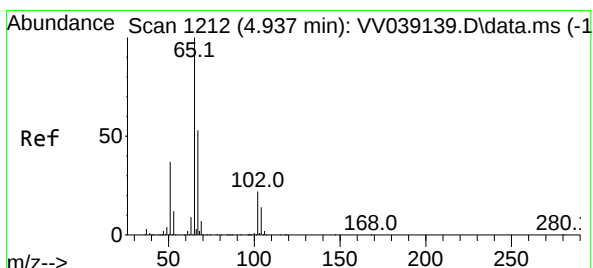
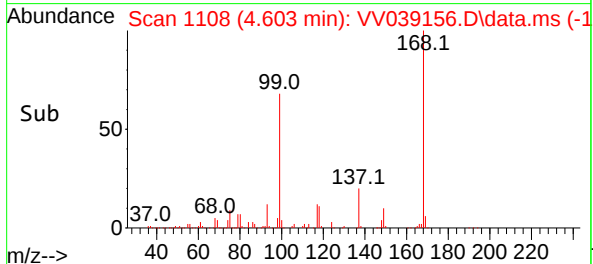
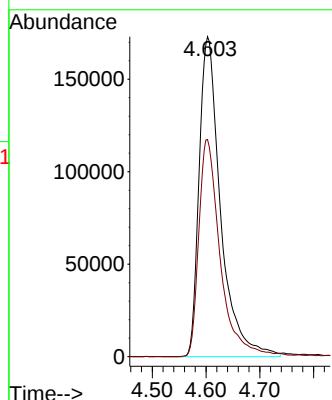
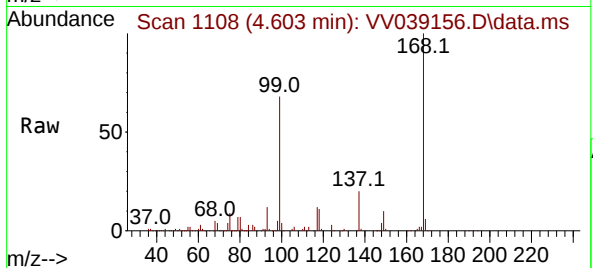




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VV039156.D
Acq: 24 Sep 2025 16:38

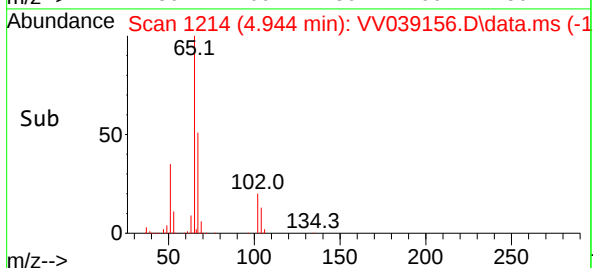
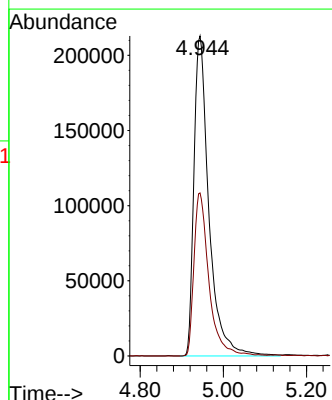
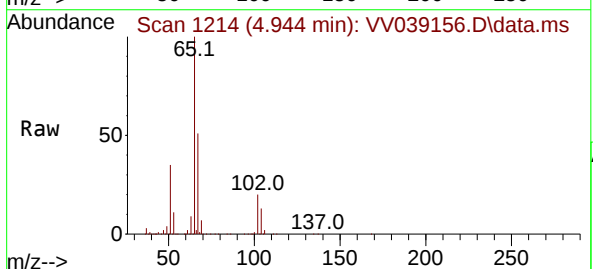
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

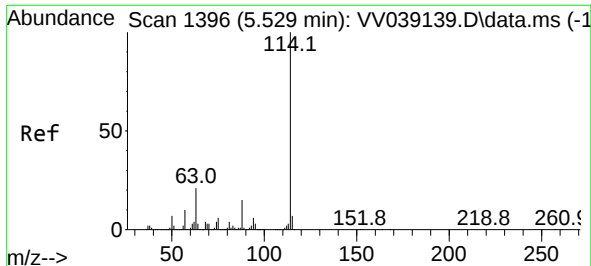
Tgt Ion:168 Resp: 478563
Ion Ratio Lower Upper
168 100
99 67.8 49.6 74.4



#33
1,2-Dichloroethane-d4
Concen: 76.924 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV039156.D
Acq: 24 Sep 2025 16:38

Tgt Ion: 65 Resp: 532790
Ion Ratio Lower Upper
65 100
67 50.3 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1112

Delta R.T. 0.006 min

Lab File: VV039156.D

Acq: 24 Sep 2025 16:38

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

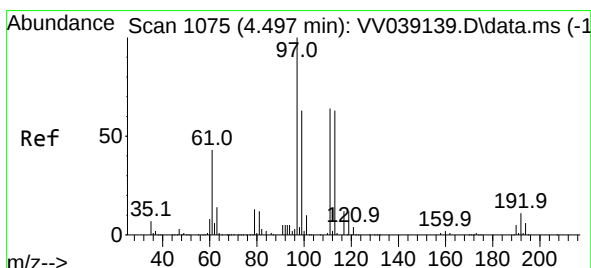
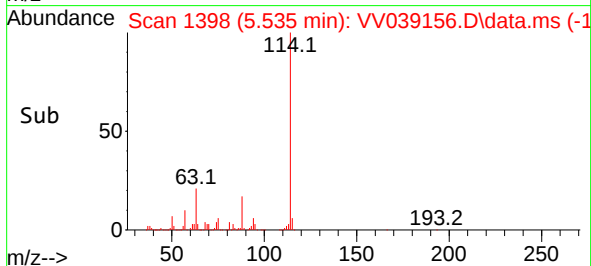
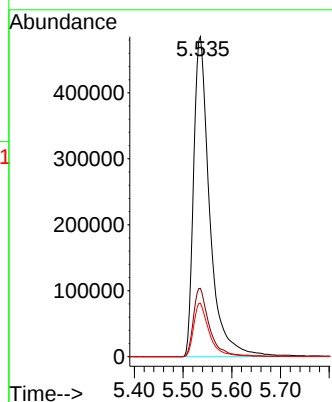
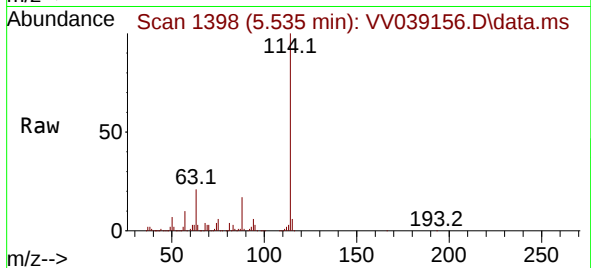
Tgt Ion:114 Resp: 1112553

Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

88 16.7 0.0 30.8



#35

Dibromofluoromethane

Concen: 48.608 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039156.D

Acq: 24 Sep 2025 16:38

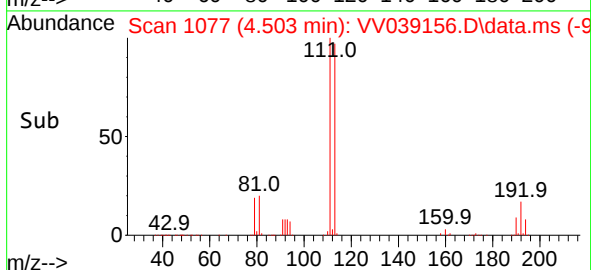
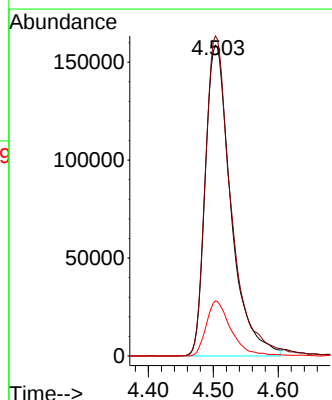
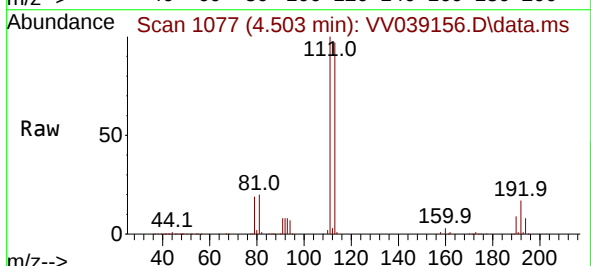
Tgt Ion:113 Resp: 434749

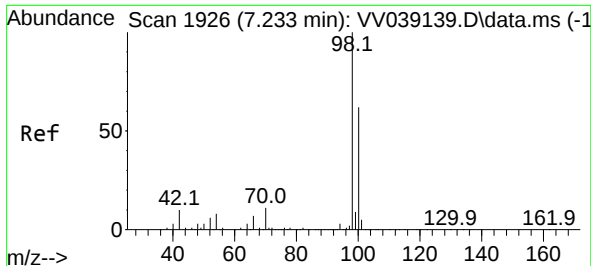
Ion Ratio Lower Upper

113 100

111 103.7 82.4 123.6

192 17.2 13.8 20.8

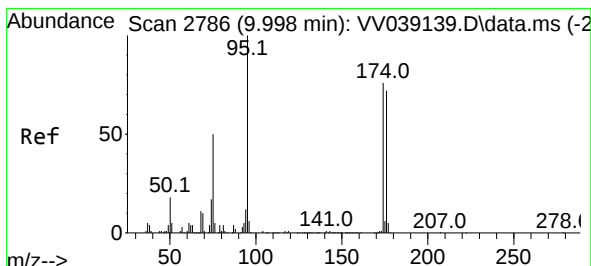
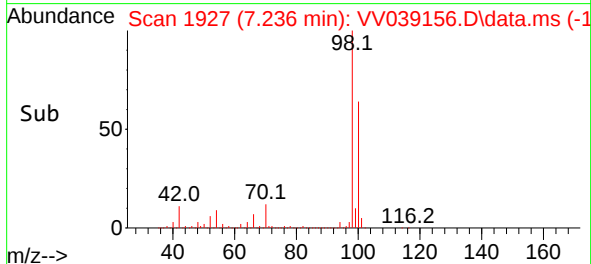
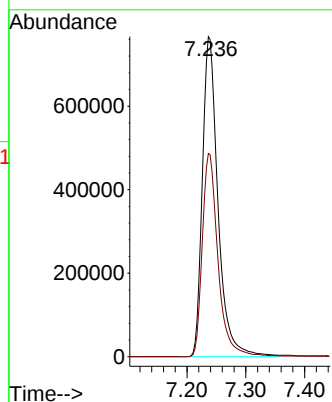
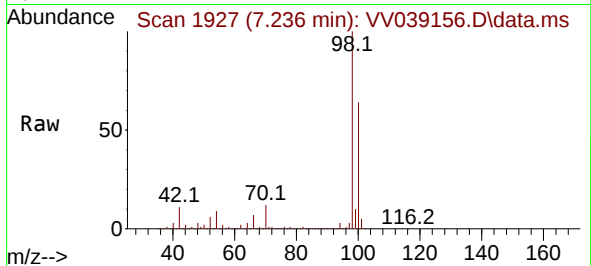




#50
Toluene-d8
Concen: 53.849 ug/l
RT: 7.236 min Scan# 1926
Delta R.T. 0.003 min
Lab File: VV039156.D
Acq: 24 Sep 2025 16:38

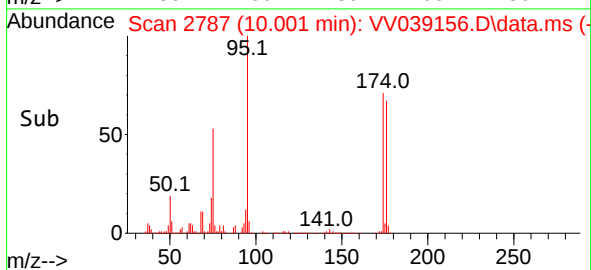
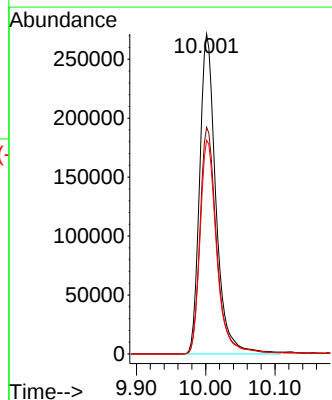
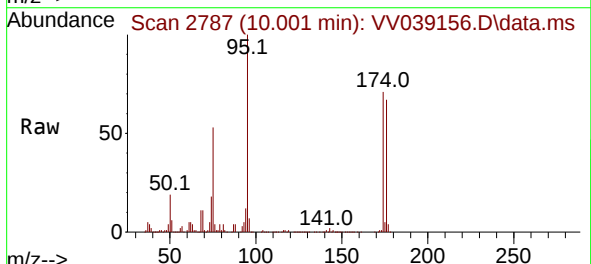
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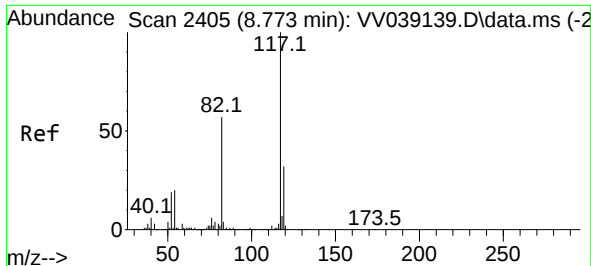
Tgt Ion: 98 Resp: 1414548
Ion Ratio Lower Upper
98 100
100 63.9 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 40.908 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039156.D
Acq: 24 Sep 2025 16:38

Tgt Ion: 95 Resp: 442388
Ion Ratio Lower Upper
95 100
174 72.7 0.0 150.4
176 68.9 0.0 144.2

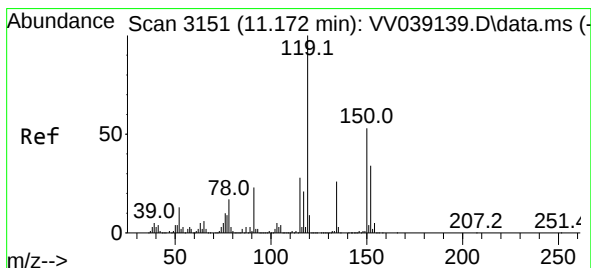
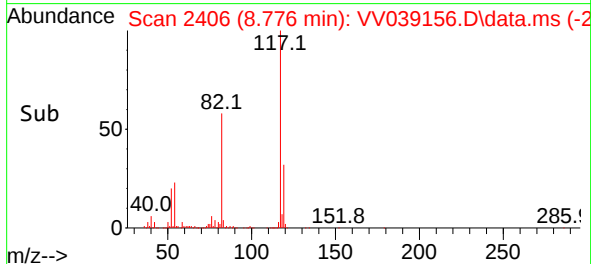
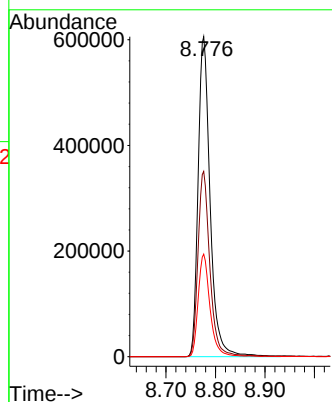
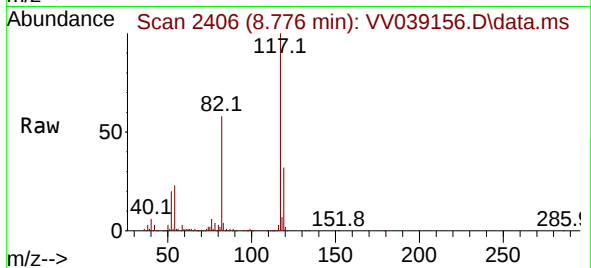




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039156.D
Acq: 24 Sep 2025 16:38

Instrument :
MSVOA_V
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1028443
Ion Ratio Lower Upper
117 100
82 57.9 45.4 68.2
119 32.0 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV039156.D
Acq: 24 Sep 2025 16:38

Tgt Ion:152 Resp: 423011
Ion Ratio Lower Upper
152 100
115 63.3 44.8 134.4
150 158.4 0.0 353.8

