

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100325\
 Data File : VV039250.D
 Acq On : 03 Oct 2025 15:27
 Operator : SY/MD
 Sample : Q3201-08
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 04 01:12:02 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	323029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	535676	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.777	117	545144	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	264732	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	259998	55.612	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	111.220%
35) Dibromofluoromethane	4.503	113	254125	59.011	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	118.020%
50) Toluene-d8	7.240	98	559880	44.266	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	88.540%#
62) 4-Bromofluorobenzene	10.002	95	232498	44.653	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	89.300%

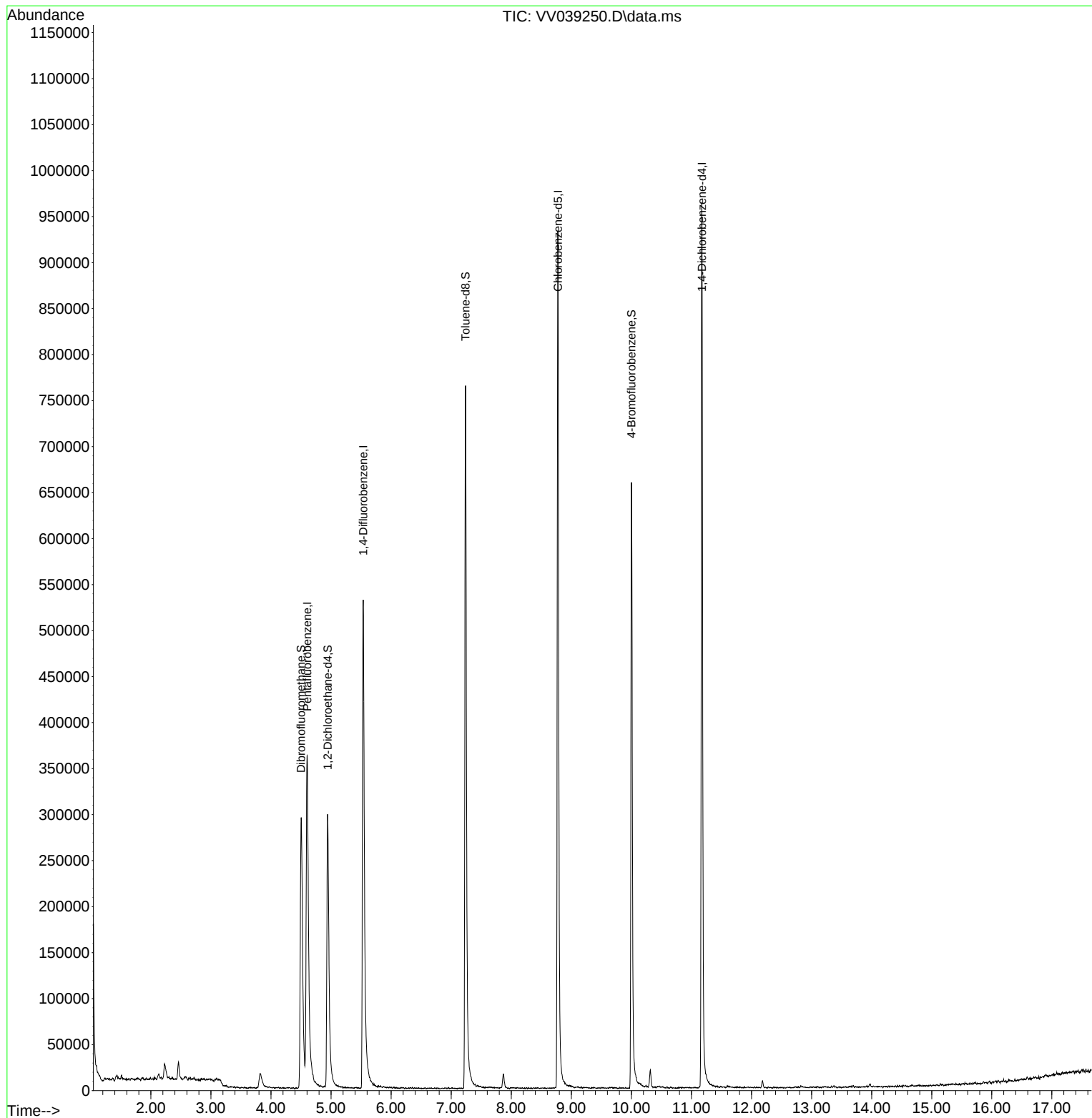
Target Compounds	Qvalue

(#) = 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# 1108

Delta R.T. 0.006 min

Lab File: VV039250.D

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Instrument :

MSVOA_V

ClientSampleId :

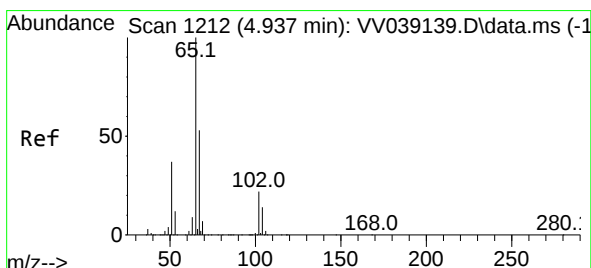
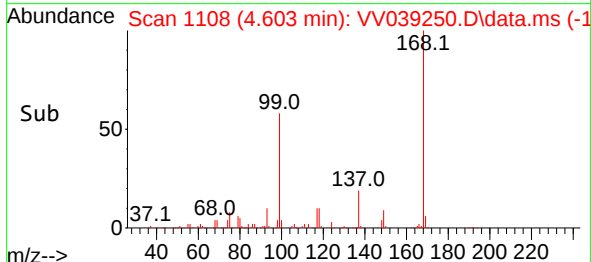
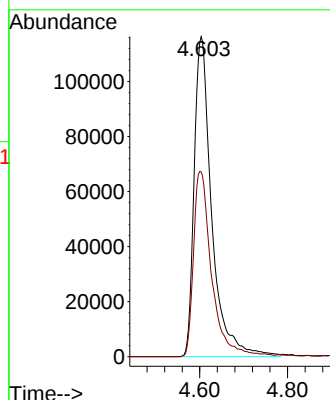
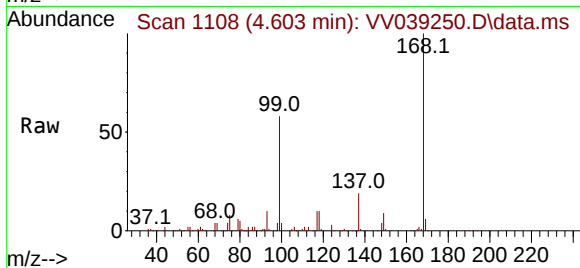
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Tgt Ion:168 Resp: 323029

Ion Ratio Lower Upper

168 100

99 57.7 49.6 74.4



#33

1,2-Dichloroethane-d4

Concen: 55.612 ug/l

RT: 4.944 min Scan# 1214

Delta R.T. 0.007 min

Lab File: VV039250.D

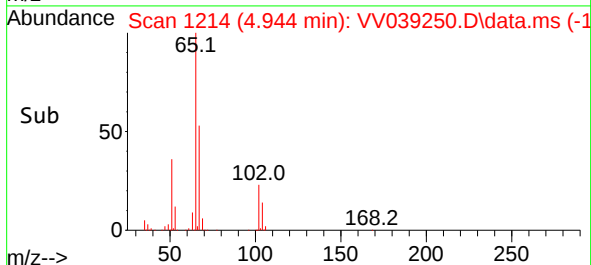
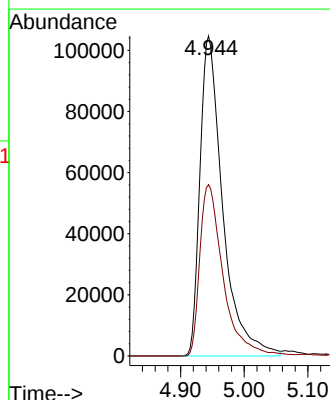
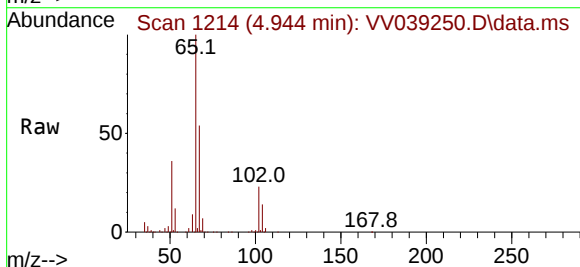
Acq: 03 Oct 2025 15:27

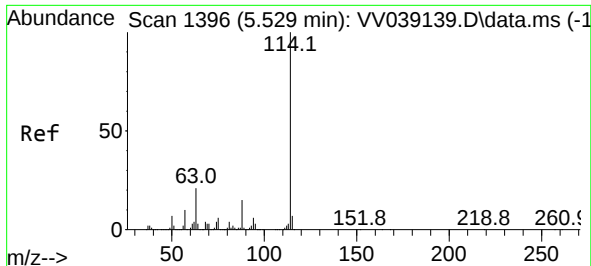
Tgt Ion: 65 Resp: 259998

Ion Ratio Lower Upper

65 100

67 54.3 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV039250.D

Acq: 03 Oct 2025 15:27

Instrument :

MSVOA_V

ClientSampleId :

TRIP-BLANK

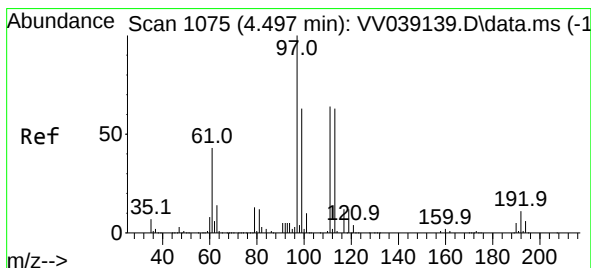
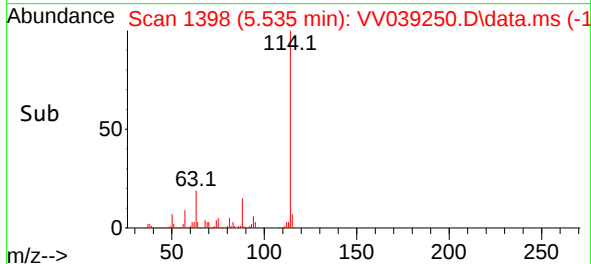
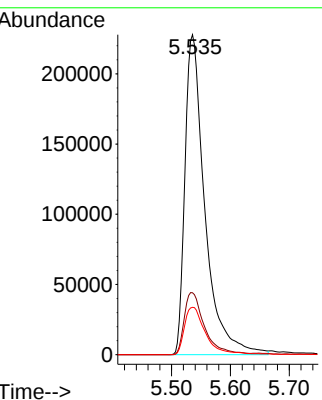
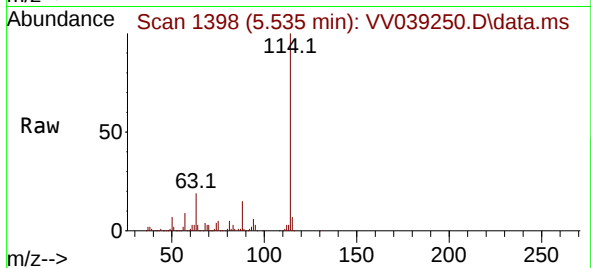
Tgt Ion:114 Resp: 535676

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.6

88 14.8 0.0 30.8



#35

Dibromofluoromethane

Concen: 59.011 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.007 min

Lab File: VV039250.D

Acq: 03 Oct 2025 15:27

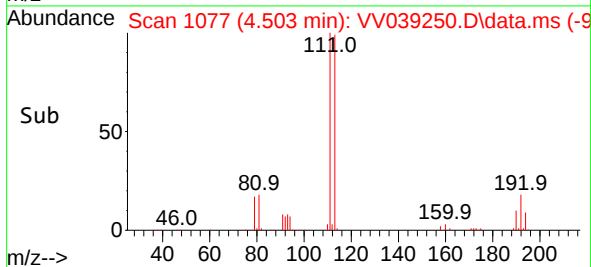
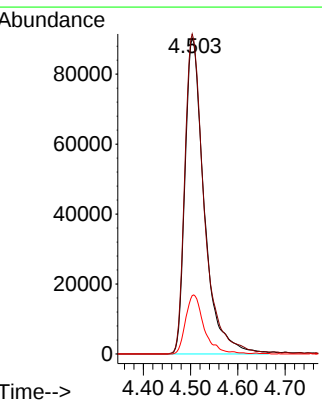
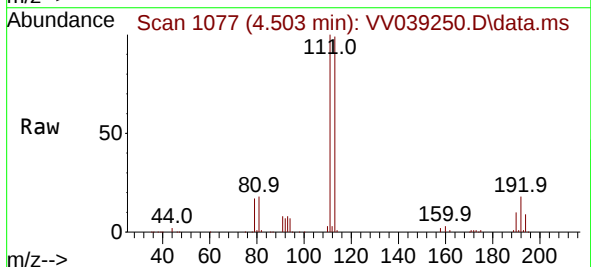
Tgt Ion:113 Resp: 254125

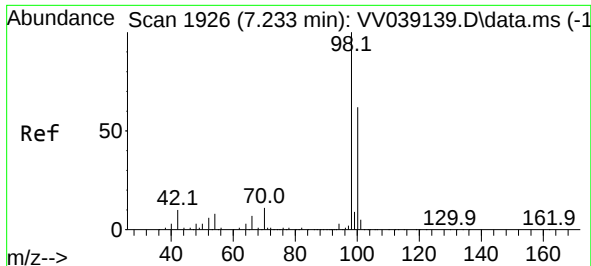
Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

192 17.8 13.8 20.8

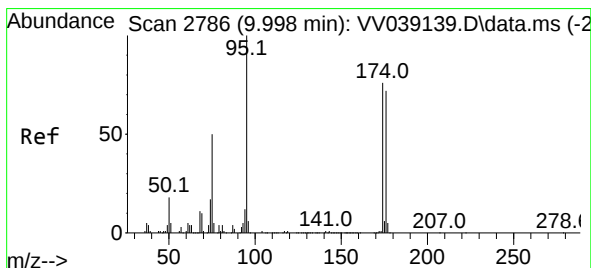
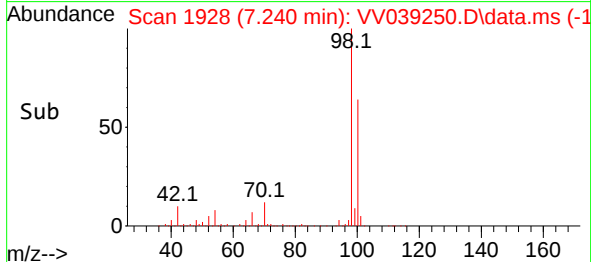
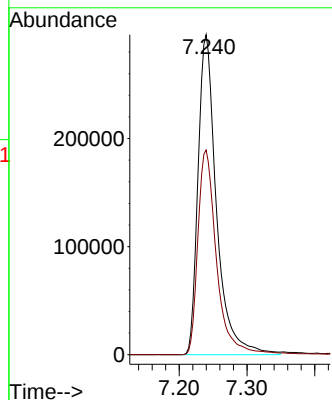
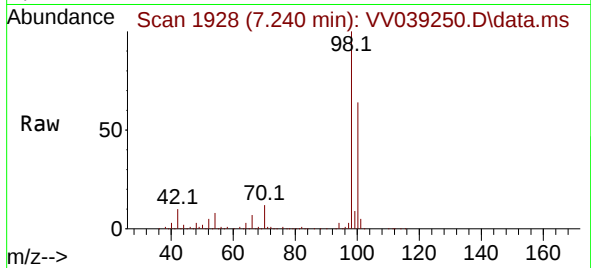




#50
Toluene-d8
Concen: 44.266 ug/l
RT: 7.240 min Scan# 1926
Delta R.T. 0.007 min
Lab File: VV039250.D
Acq: 03 Oct 2025 15:27

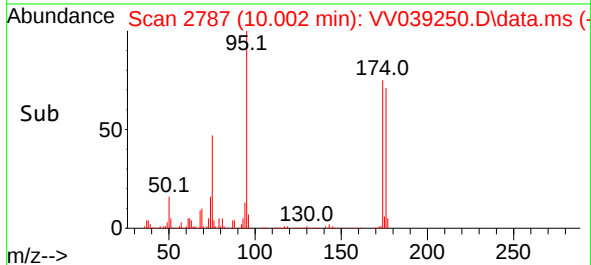
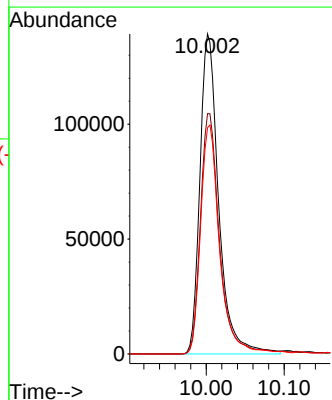
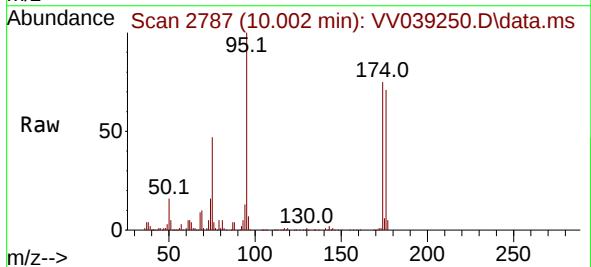
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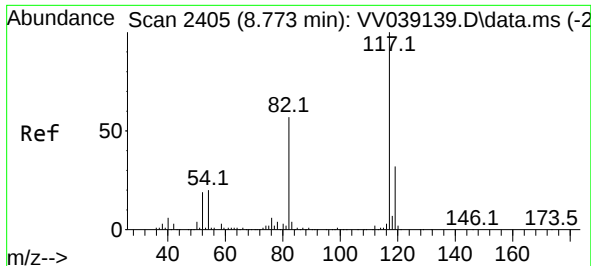
Tgt Ion: 98 Resp: 559880
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 44.653 ug/l
RT: 10.002 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039250.D
Acq: 03 Oct 2025 15:27

Tgt Ion: 95 Resp: 232498
Ion Ratio Lower Upper
95 100
174 76.7 0.0 150.4
176 72.9 0.0 144.2

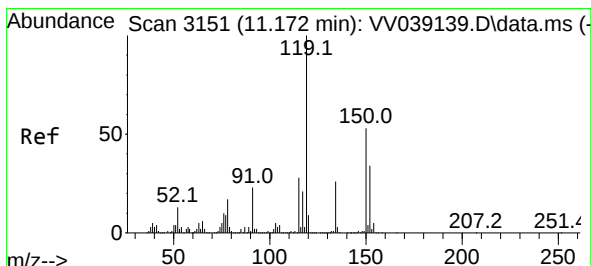
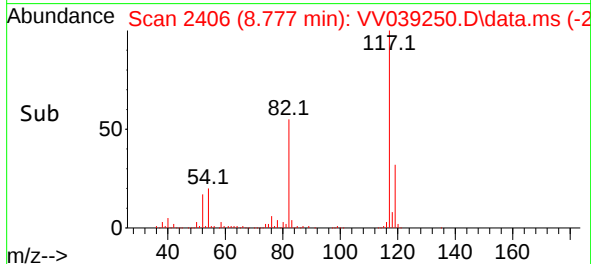
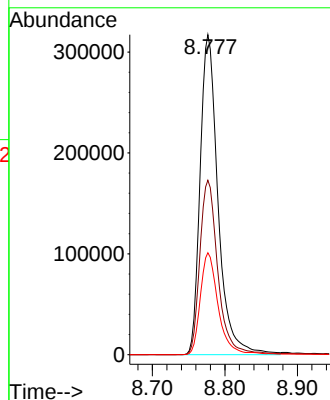
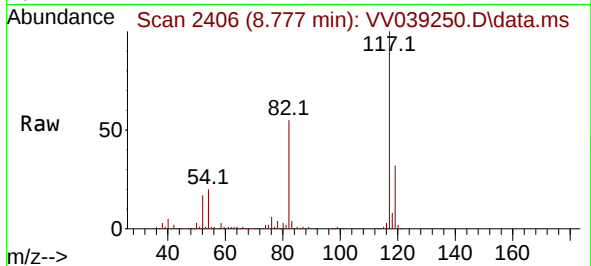




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.777 min Scan# 2405
Delta R.T. 0.004 min
Lab File: VV039250.D
Acq: 03 Oct 2025 15:27

Instrument :
MSVOA_V
ClientSampleId :
TRIP-BLANK

Tgt Ion:117 Resp: 545144
Ion Ratio Lower Upper
117 100
82 54.5 45.4 68.2
119 31.9 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: VV039250.D
Acq: 03 Oct 2025 15:27

Tgt Ion:152 Resp: 264732
Ion Ratio Lower Upper
152 100
115 60.3 44.8 134.4
150 158.4 0.0 353.8

