

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV100325\
 Data File : VV039262.D
 Acq On : 03 Oct 2025 19:56
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

Quant Time: Oct 04 01:17:51 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	235531	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	436761	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	463898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	212882	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	301943	88.577	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	177.160%#
35) Dibromofluoromethane	4.503	113	258461	73.610	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	147.220%#
50) Toluene-d8	7.239	98	462790	44.877	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	89.760%
62) 4-Bromofluorobenzene	10.001	95	196801	46.357	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	92.720%

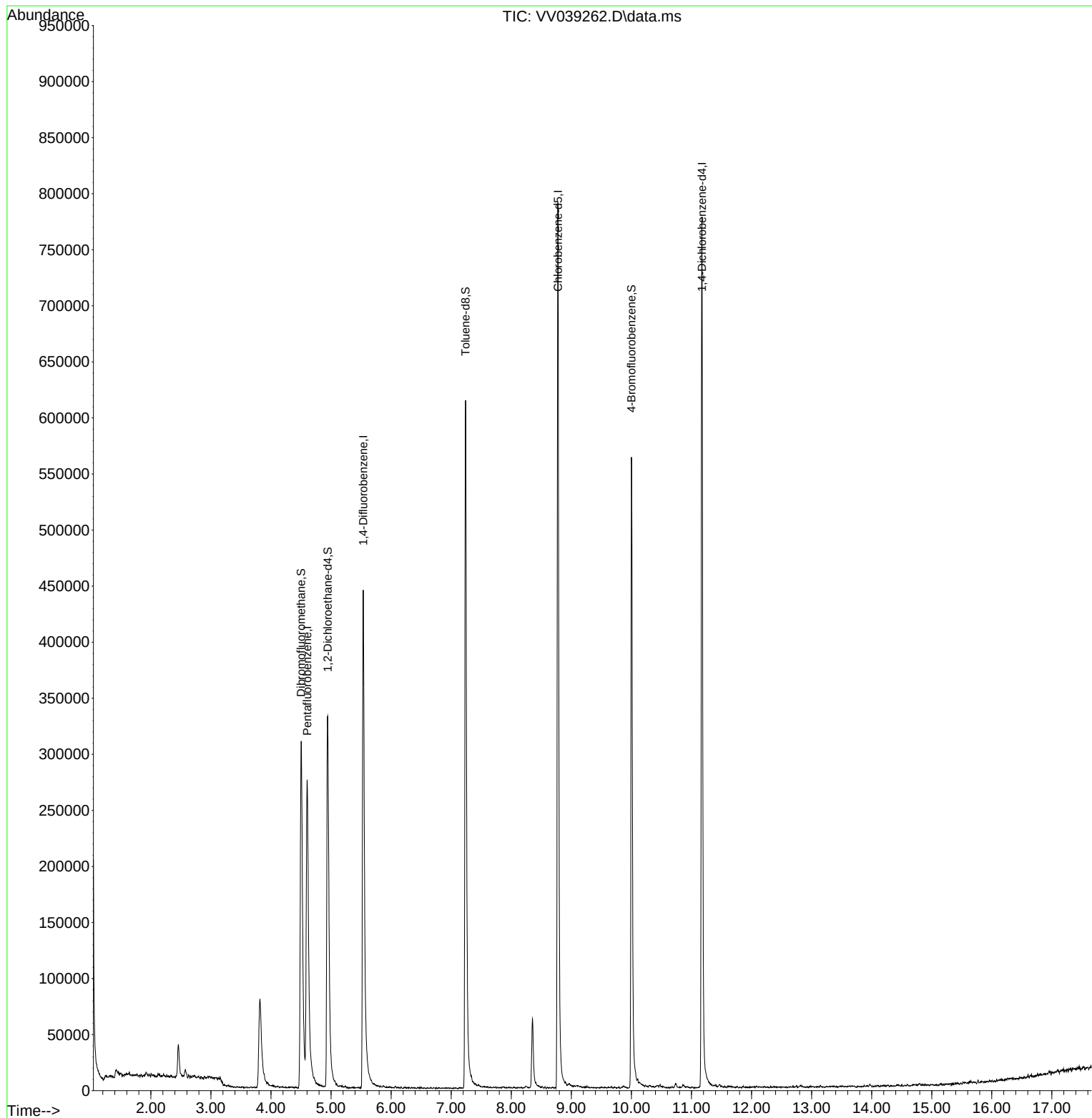
Target Compounds	Qvalue

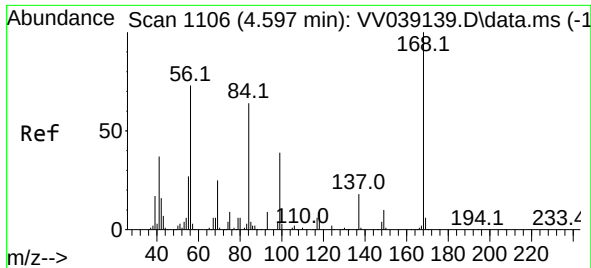
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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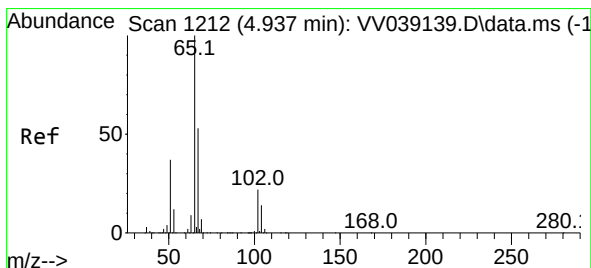
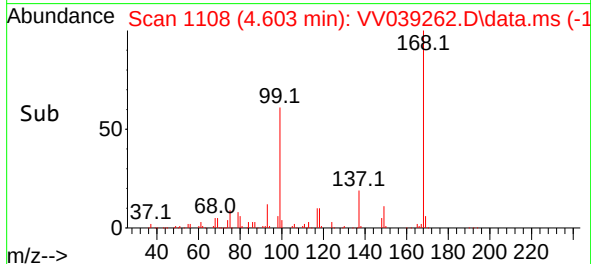
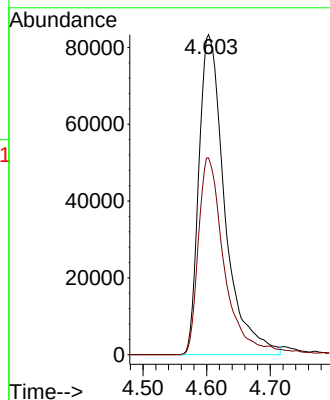
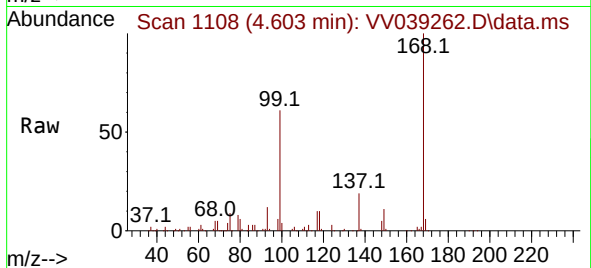




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VV039262.D
Acq: 03 Oct 2025 19:56

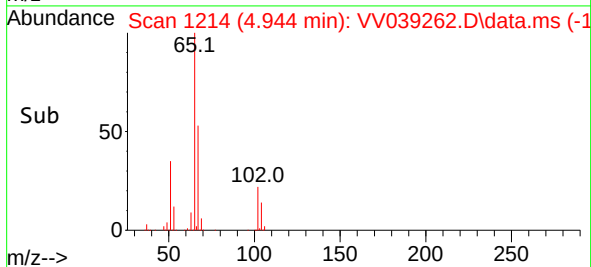
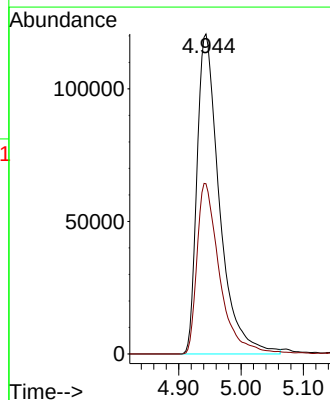
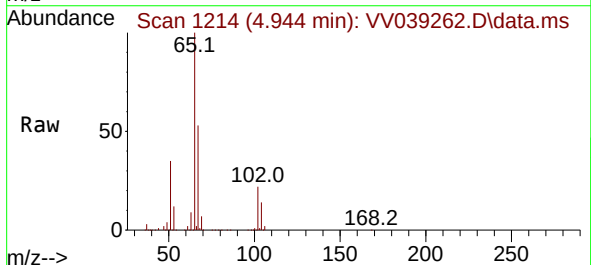
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

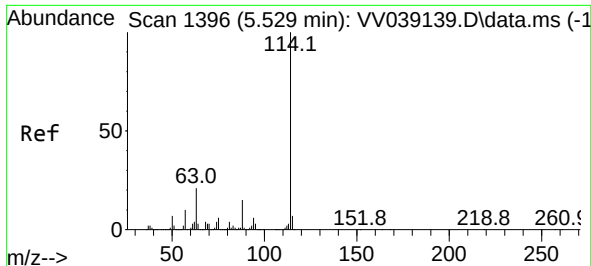
Tgt Ion:168 Resp: 235531
Ion Ratio Lower Upper
168 100
99 61.5 49.6 74.4



#33
1,2-Dichloroethane-d4
Concen: 88.577 ug/l
RT: 4.944 min Scan# 1214
Delta R.T. 0.006 min
Lab File: VV039262.D
Acq: 03 Oct 2025 19:56

Tgt Ion: 65 Resp: 301943
Ion Ratio Lower Upper
65 100
67 53.8 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV039262.D

Acq: 03 Oct 2025 19:56

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

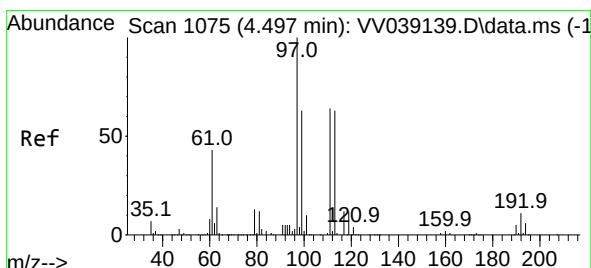
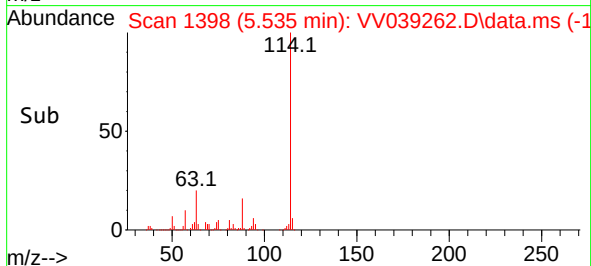
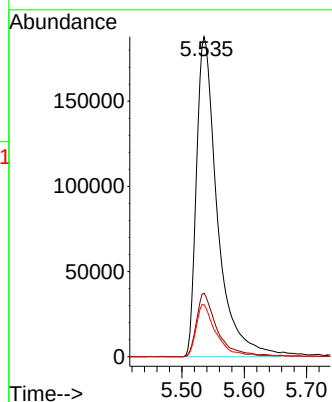
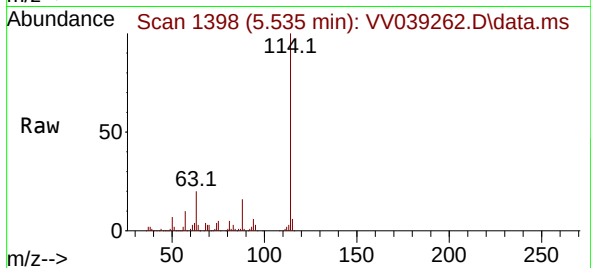
Tgt Ion:114 Resp: 436761

Ion Ratio Lower Upper

114 100

63 19.9 0.0 42.6

88 16.2 0.0 30.8



#35

Dibromofluoromethane

Concen: 73.610 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039262.D

Acq: 03 Oct 2025 19:56

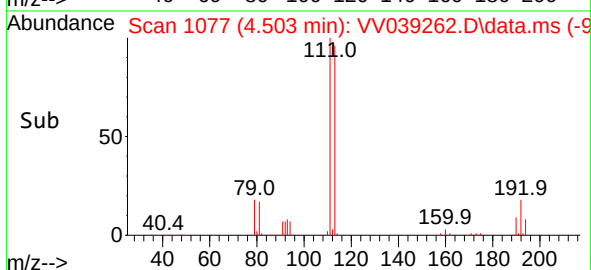
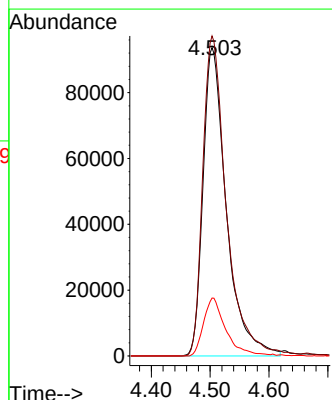
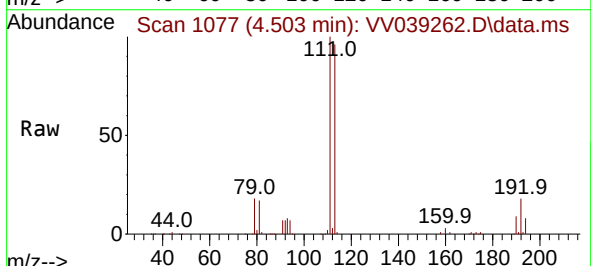
Tgt Ion:113 Resp: 258461

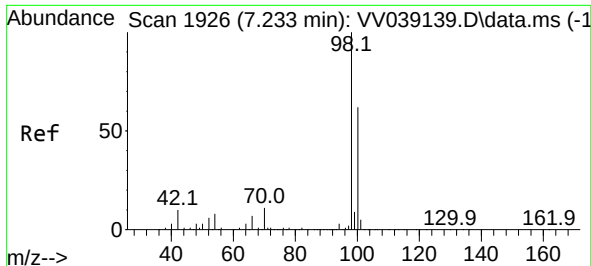
Ion Ratio Lower Upper

113 100

111 104.7 82.4 123.6

192 17.9 13.8 20.8

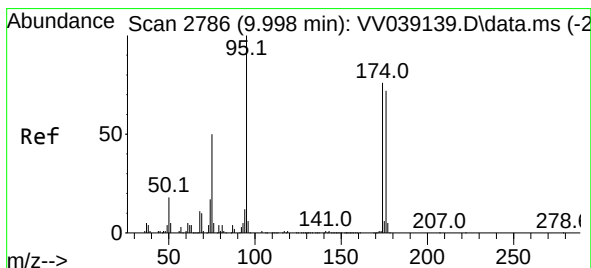
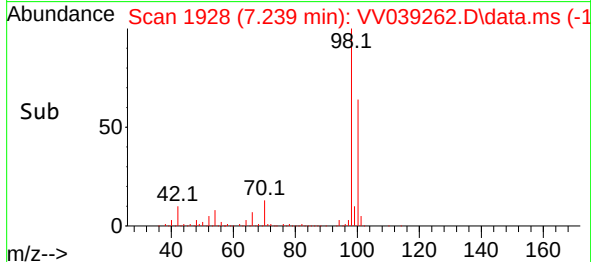
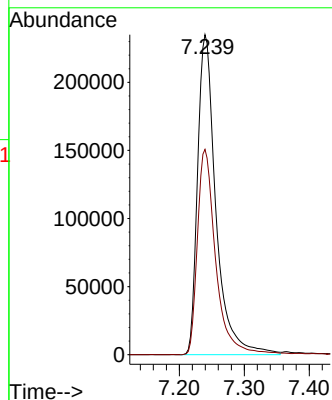
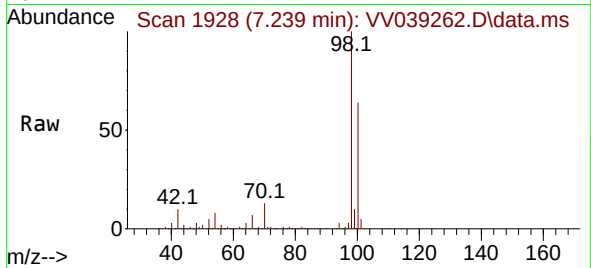




#50
Toluene-d8
Concen: 44.877 ug/l
RT: 7.239 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV039262.D
Acq: 03 Oct 2025 19:56

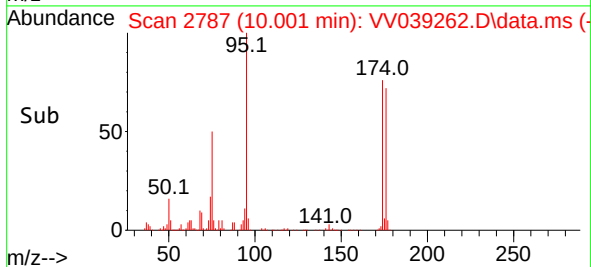
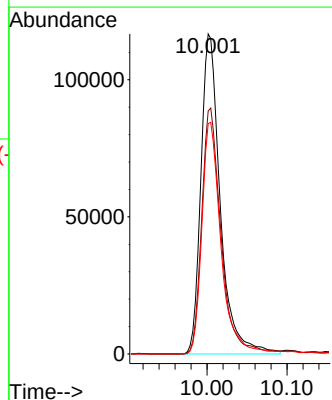
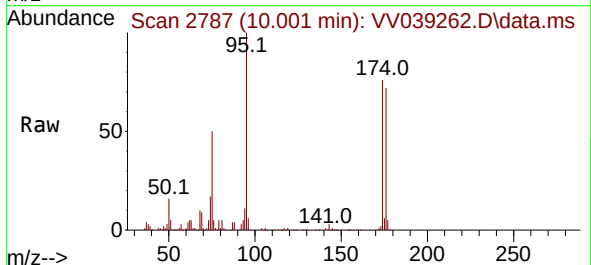
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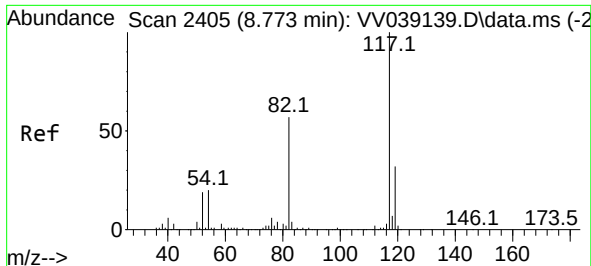
Tgt Ion: 98 Resp: 462790
Ion Ratio Lower Upper
98 100
100 64.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 46.357 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039262.D
Acq: 03 Oct 2025 19:56

Tgt Ion: 95 Resp: 196801
Ion Ratio Lower Upper
95 100
174 77.1 0.0 150.4
176 72.0 0.0 144.2

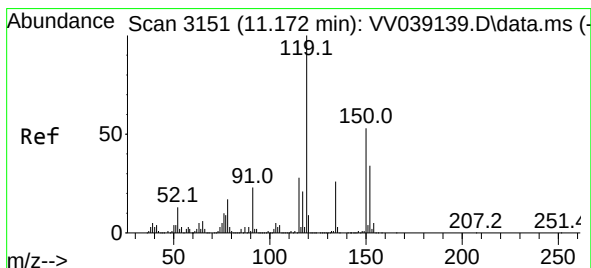
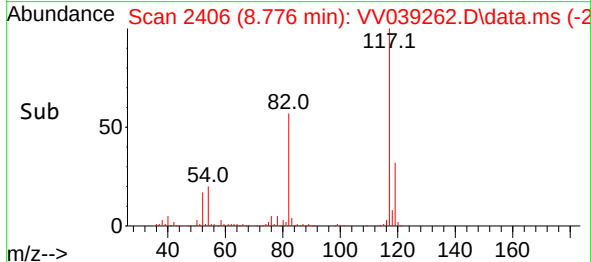
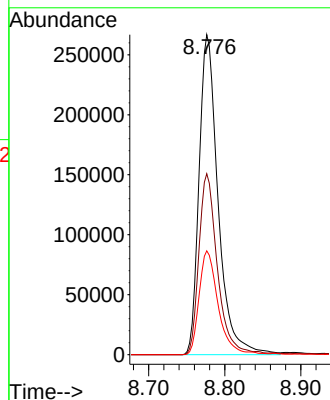
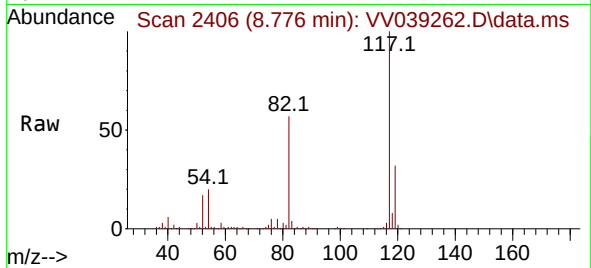




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039262.D
Acq: 03 Oct 2025 19:56

Instrument :
MSVOA_V
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 463898
Ion Ratio Lower Upper
117 100
82 56.6 45.4 68.2
119 32.4 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: VV039262.D
Acq: 03 Oct 2025 19:56

Tgt Ion:152 Resp: 212882
Ion Ratio Lower Upper
152 100
115 61.6 44.8 134.4
150 157.9 0.0 353.8

