

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV039001.D
 Acq On : 21 Aug 2025 22:54
 Operator : SY/MD
 Sample : Q2924-08
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-16A-082025

Quant Time: Aug 22 04:40:59 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	676464	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1214643	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1082468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	493806	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	484721	51.067	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	102.140%
35) Dibromofluoromethane	4.500	113	416739	45.749	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	91.500%
50) Toluene-d8	7.236	98	1409493	44.373	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	88.740%#
62) 4-Bromofluorobenzene	10.001	95	519985	44.749	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	89.500%

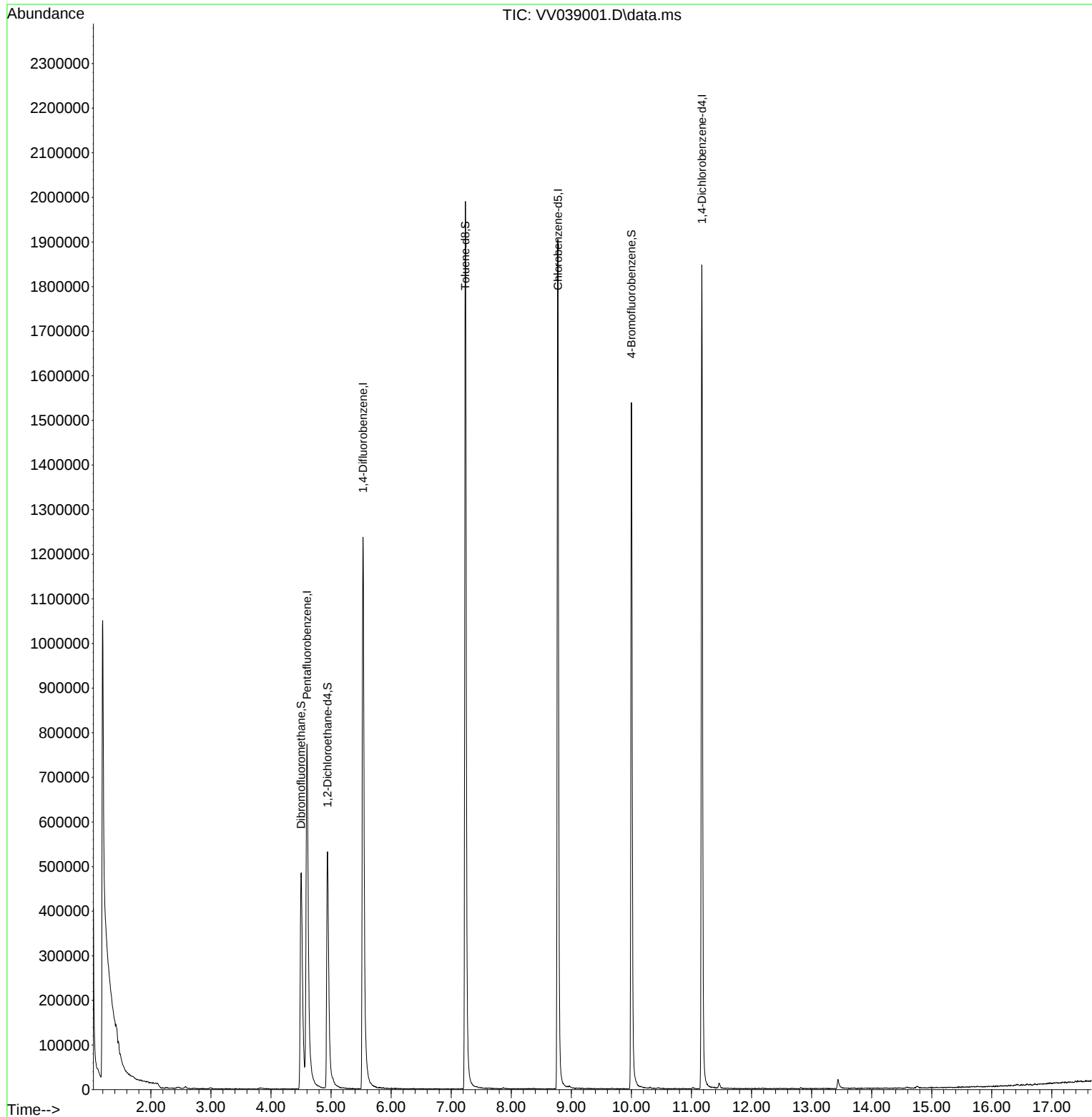
Target Compounds	Qvalue

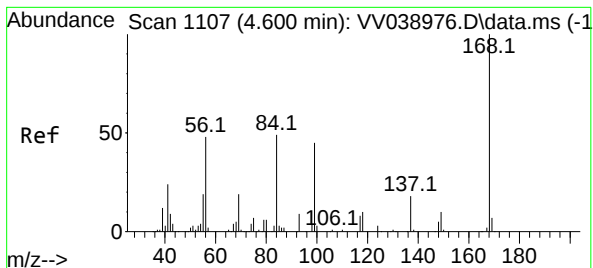
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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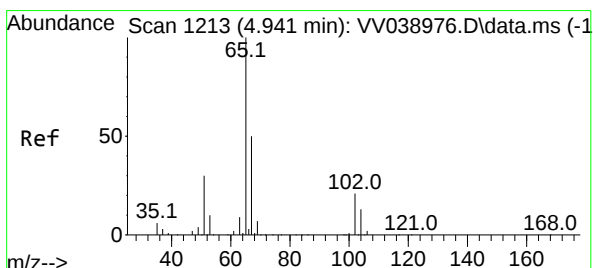
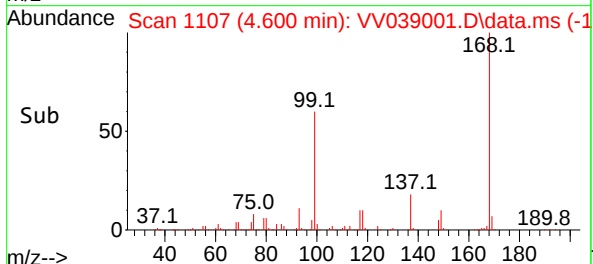
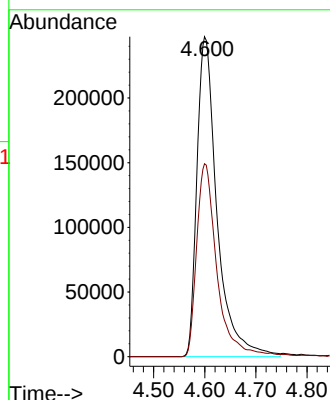
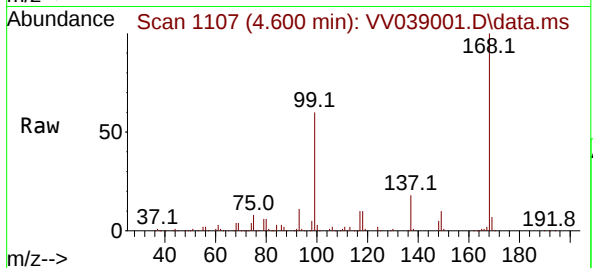




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039001.D
Acq: 21 Aug 2025 22:54

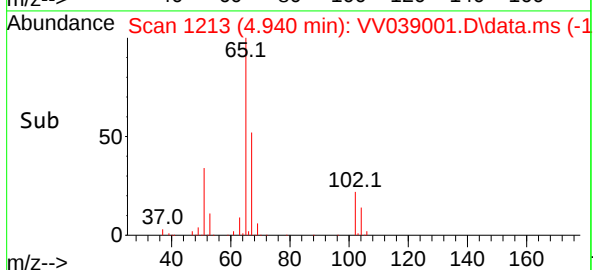
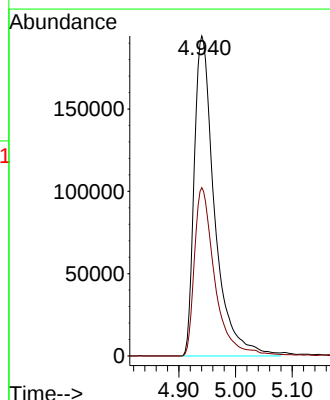
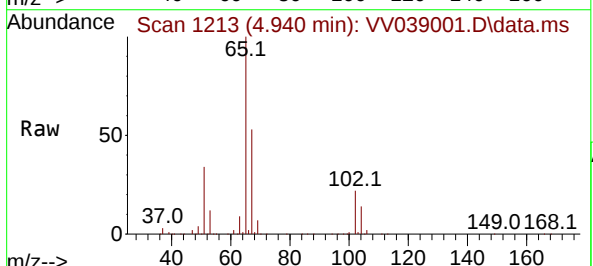
Instrument :
MSVOA_V
ClientSampleId :
MW-16A-082025

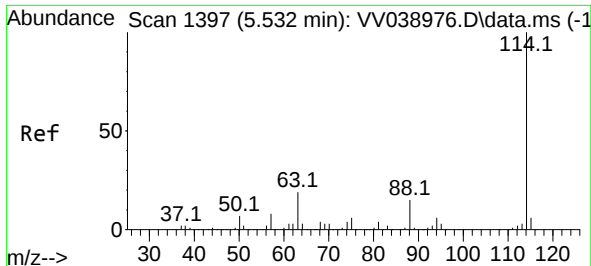
Tgt Ion:168 Resp: 676464
Ion Ratio Lower Upper
168 100
99 60.3 47.0 70.6



#33
1,2-Dichloroethane-d4
Concen: 51.067 ug/l
RT: 4.940 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VV039001.D
Acq: 21 Aug 2025 22:54

Tgt Ion: 65 Resp: 484721
Ion Ratio Lower Upper
65 100
67 53.0 0.0 100.4

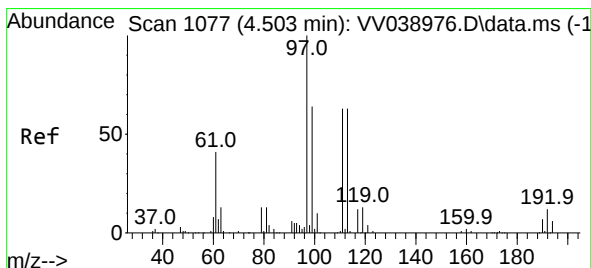
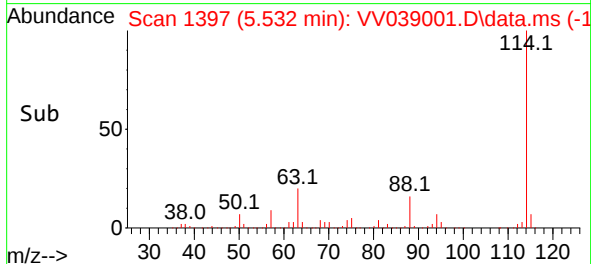
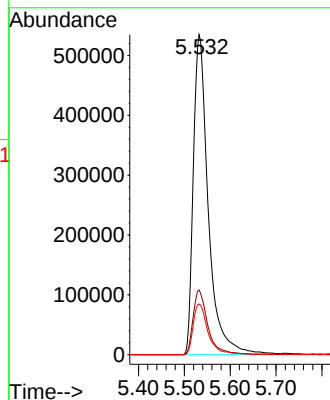
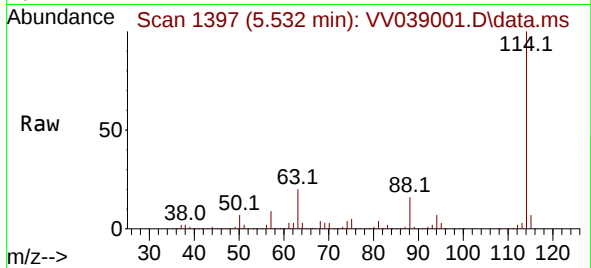




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039001.D
Acq: 21 Aug 2025 22:54

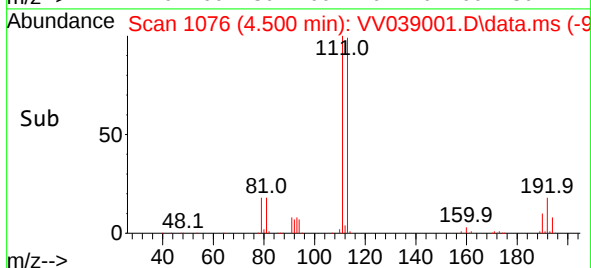
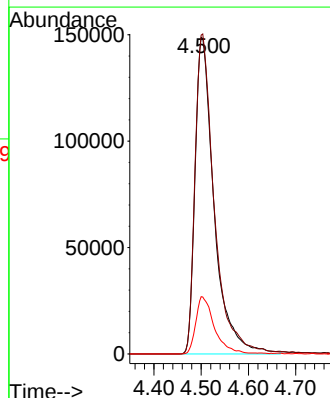
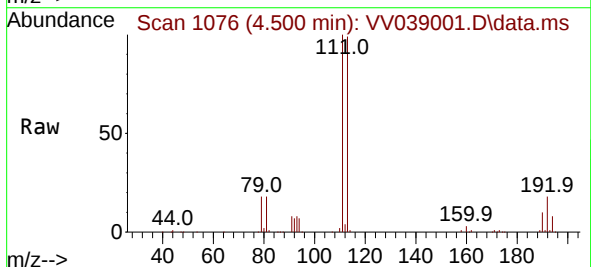
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ClientSampleId :
MW-16A-082025

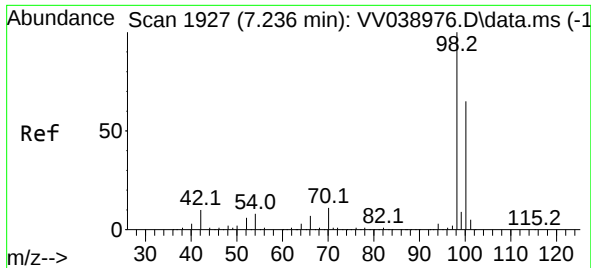
Tgt Ion:114 Resp: 1214643
Ion Ratio Lower Upper
114 100
63 20.2 0.0 37.4
88 15.9 0.0 30.4



#35
Dibromofluoromethane
Concen: 45.749 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. -0.003 min
Lab File: VV039001.D
Acq: 21 Aug 2025 22:54

Tgt Ion:113 Resp: 416739
Ion Ratio Lower Upper
113 100
111 101.6 81.3 121.9
192 17.6 15.4 23.0

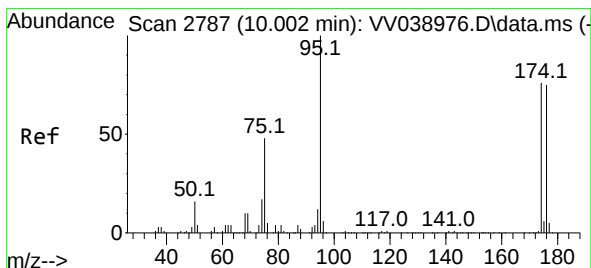
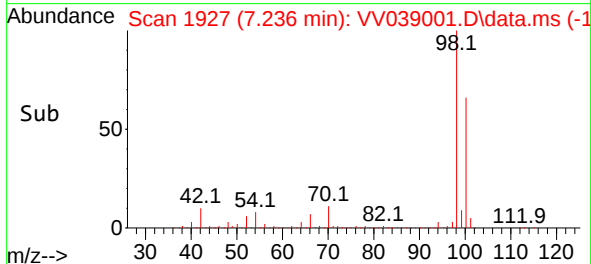
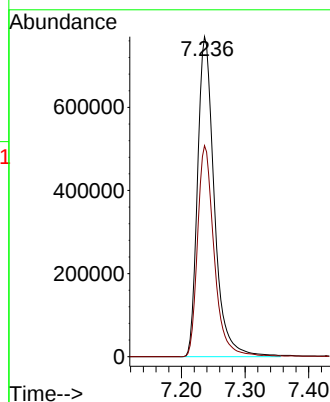
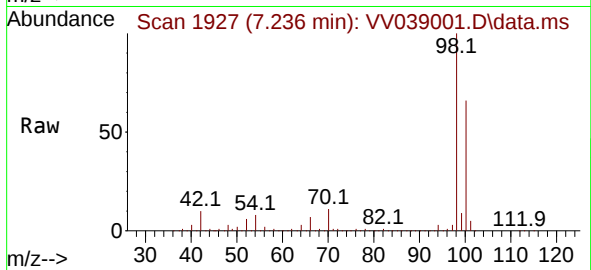




#50
Toluene-d8
Concen: 44.373 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039001.D
Acq: 21 Aug 2025 22:54

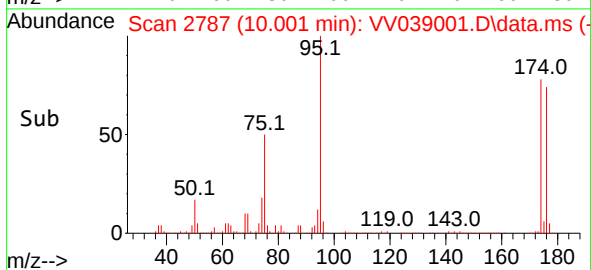
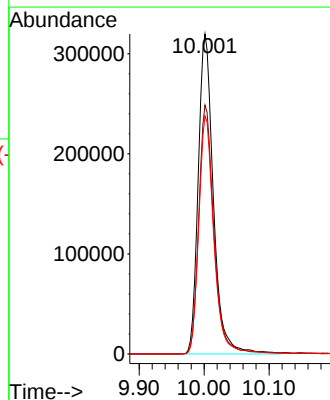
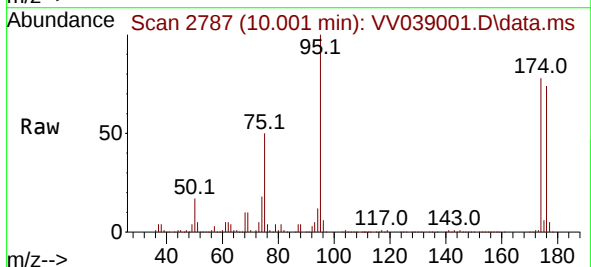
Instrument :
MSVOA_V
ClientSampleId :
MW-16A-082025

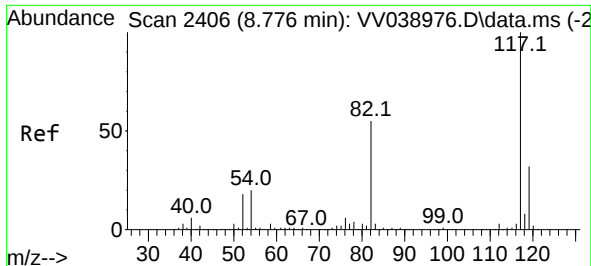
Tgt Ion: 98 Resp: 1409493
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 44.749 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV039001.D
Acq: 21 Aug 2025 22:54

Tgt Ion: 95 Resp: 519985
Ion Ratio Lower Upper
95 100
174 77.5 0.0 154.4
176 74.3 0.0 148.6

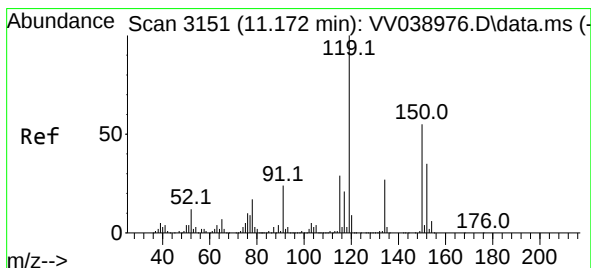
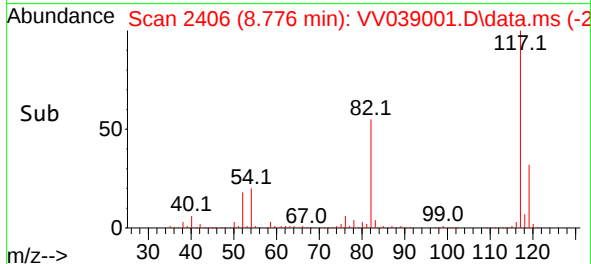
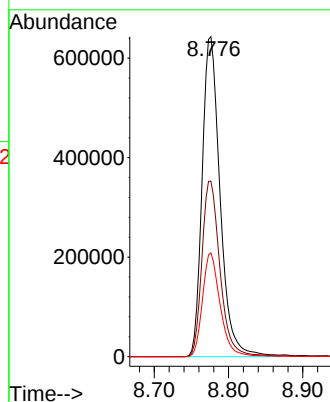
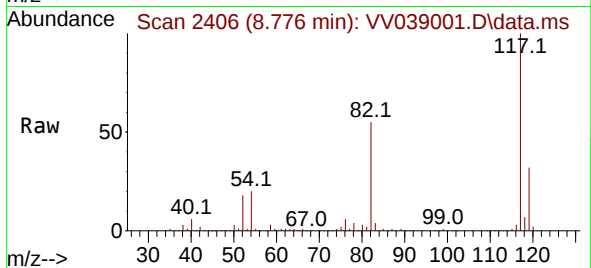




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV039001.D
Acq: 21 Aug 2025 22:54

Instrument :
MSVOA_V
ClientSampleId :
MW-16A-082025

Tgt Ion:117 Resp: 1082468
Ion Ratio Lower Upper
117 100
82 54.9 44.4 66.6
119 32.5 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: VV039001.D
Acq: 21 Aug 2025 22:54

Tgt Ion:152 Resp: 493806
Ion Ratio Lower Upper
152 100
115 61.0 42.5 127.5
150 158.4 0.0 344.8

