

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
 Data File : VV039189.D
 Acq On : 25 Sep 2025 18:10
 Operator : SY/MD
 Sample : Q3195-25
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 FB-01-091925

Quant Time: Sep 26 01:35:54 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	562300	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	1002078	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	977857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	478832	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	439118	53.958	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	107.920%
35) Dibromofluoromethane	4.500	113	402765	49.996	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	100.000%
50) Toluene-d8	7.240	98	1091605	46.137	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	92.280%
62) 4-Bromofluorobenzene	10.001	95	438151	44.983	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	89.960%

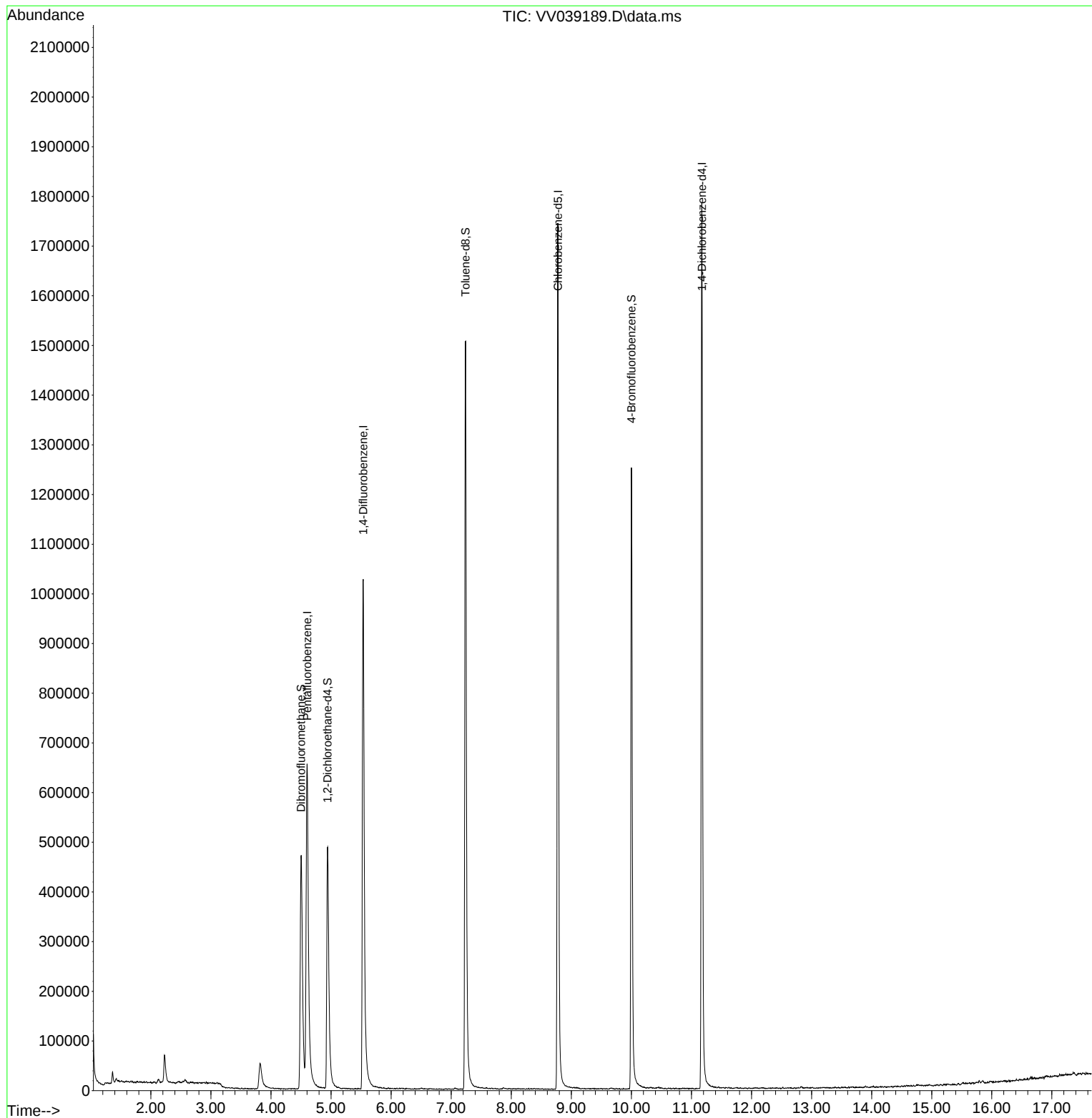
Target Compounds	Qvalue

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

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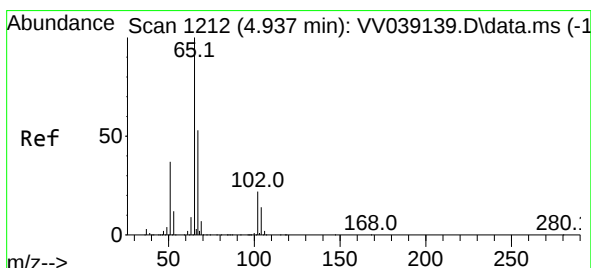
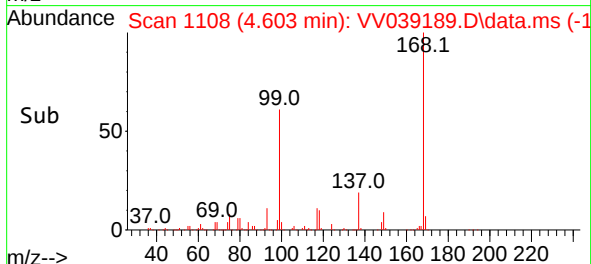
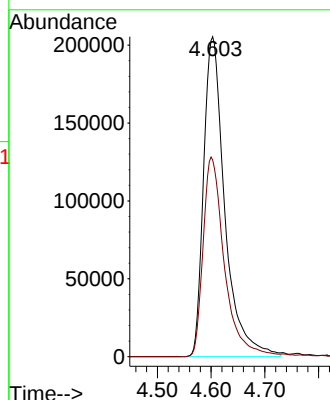
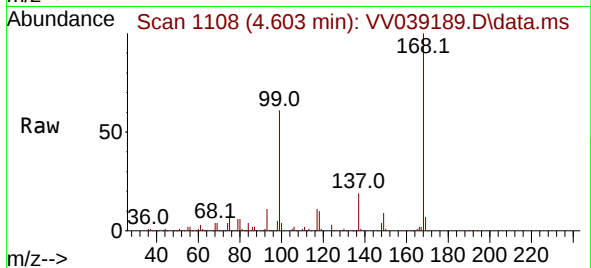




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VV039189.D
Acq: 25 Sep 2025 18:10

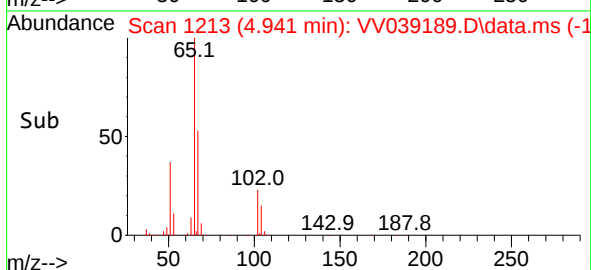
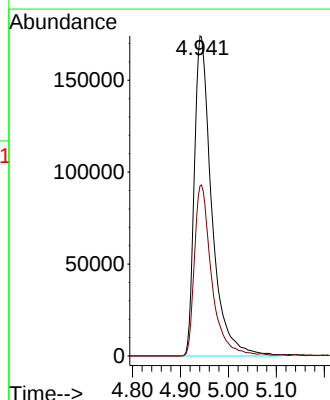
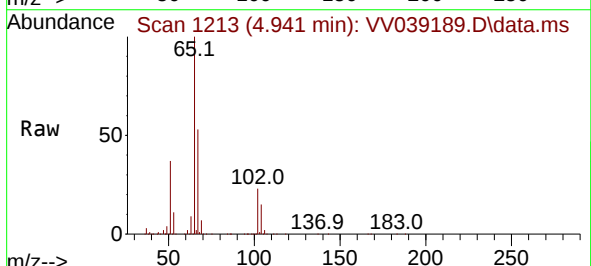
Instrument :
MSVOA_V
ClientSampleId :
FB-01-091925

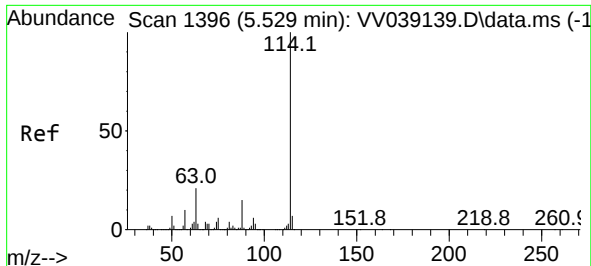
Tgt Ion:168 Resp: 562300
Ion Ratio Lower Upper
168 100
99 61.5 49.6 74.4



#33
1,2-Dichloroethane-d4
Concen: 53.958 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.003 min
Lab File: VV039189.D
Acq: 25 Sep 2025 18:10

Tgt Ion: 65 Resp: 439118
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.0

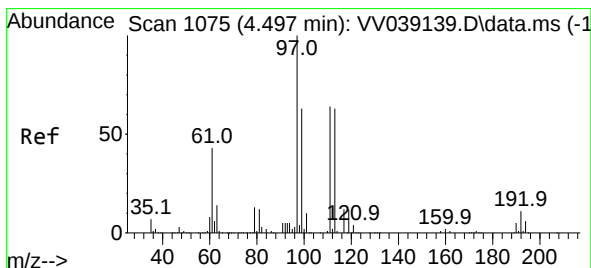
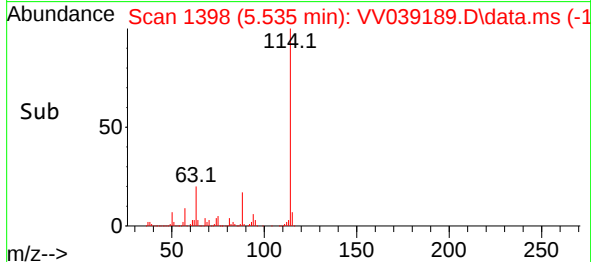
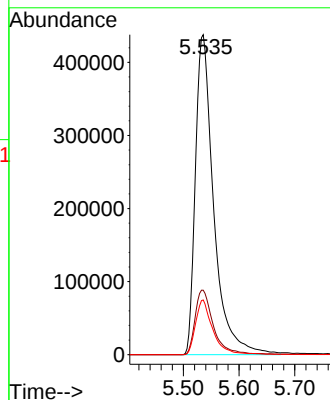
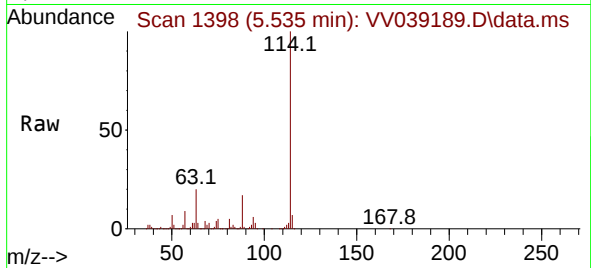




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.535 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV039189.D
Acq: 25 Sep 2025 18:10

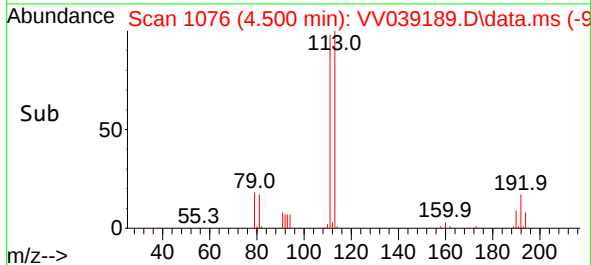
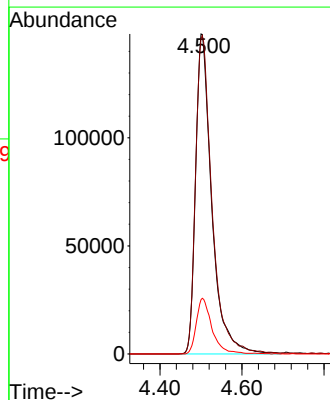
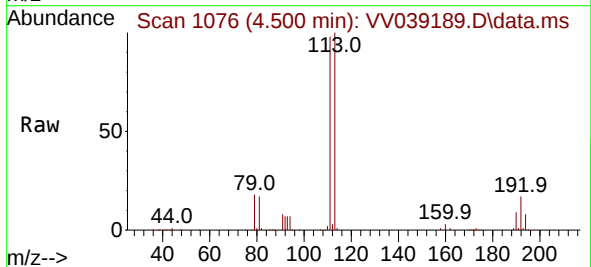
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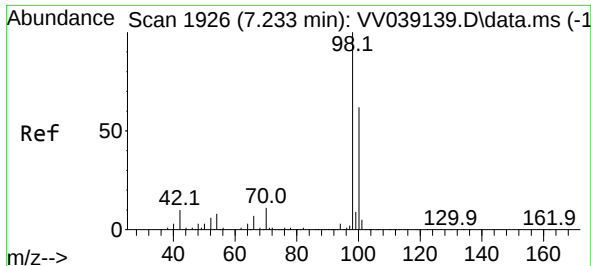
Tgt Ion:114 Resp: 1002078
Ion Ratio Lower Upper
114 100
63 20.2 0.0 42.6
88 17.1 0.0 30.8



#35
Dibromofluoromethane
Concen: 49.996 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.003 min
Lab File: VV039189.D
Acq: 25 Sep 2025 18:10

Tgt Ion:113 Resp: 402765
Ion Ratio Lower Upper
113 100
111 101.1 82.4 123.6
192 16.9 13.8 20.8

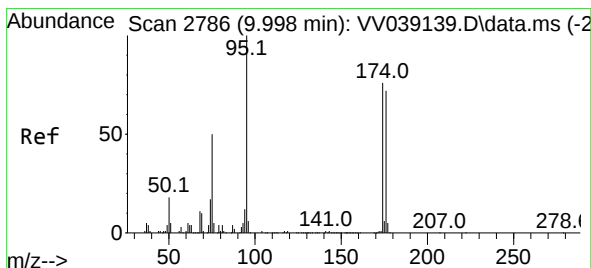
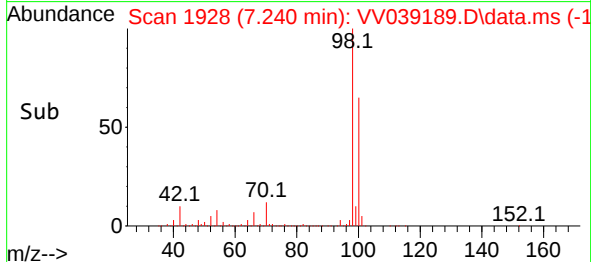
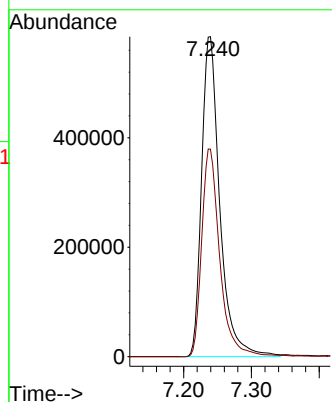
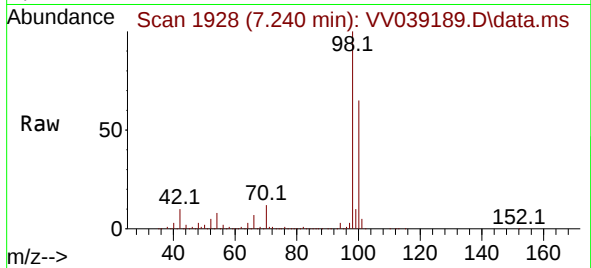




#50
Toluene-d8
Concen: 46.137 ug/l
RT: 7.240 min Scan# 1926
Delta R.T. 0.006 min
Lab File: VV039189.D
Acq: 25 Sep 2025 18:10

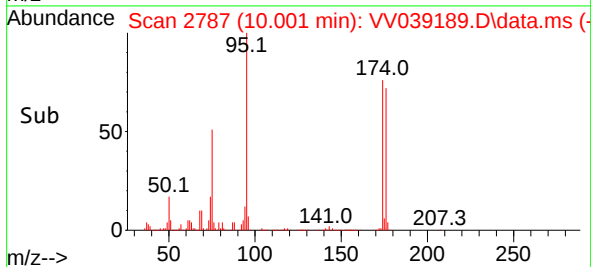
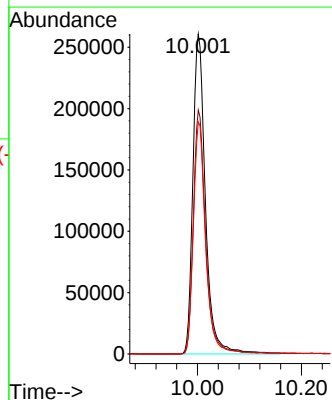
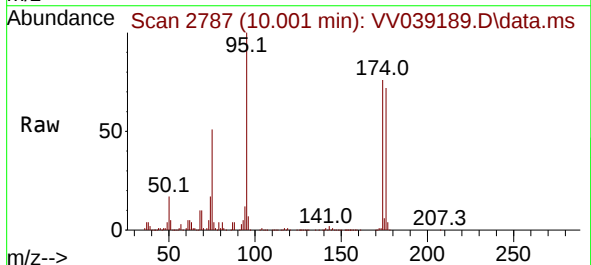
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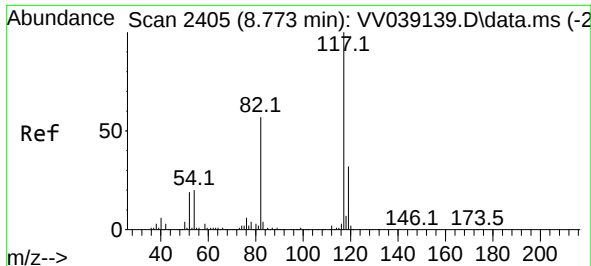
Tgt Ion: 98 Resp: 1091605
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 44.983 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039189.D
Acq: 25 Sep 2025 18:10

Tgt Ion: 95 Resp: 438151
Ion Ratio Lower Upper
95 100
174 75.2 0.0 150.4
176 70.8 0.0 144.2

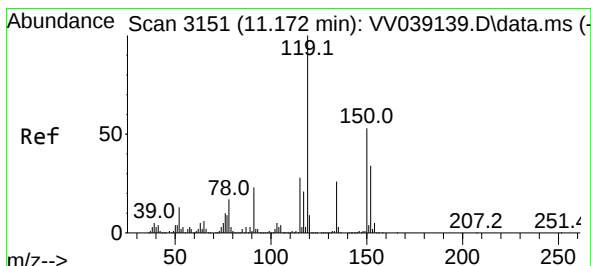
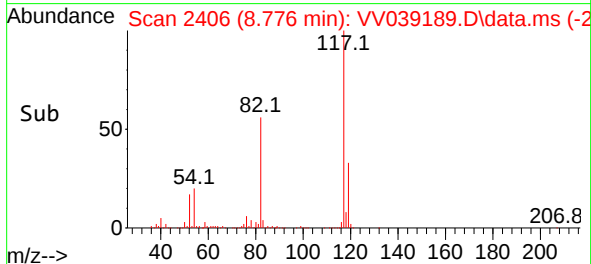
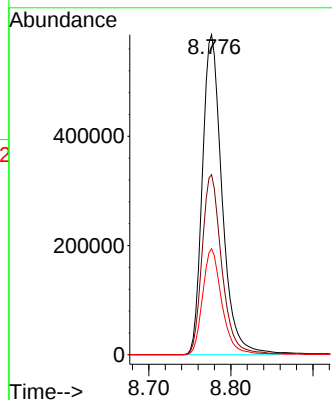
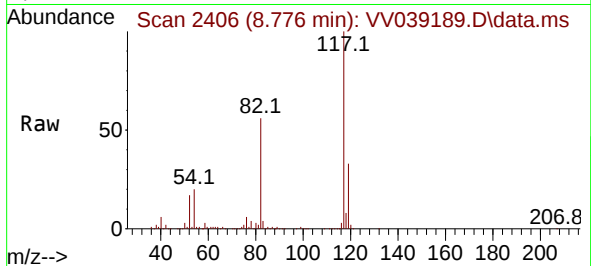




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV039189.D
Acq: 25 Sep 2025 18:10

Instrument :
MSVOA_V
ClientSampleId :
FB-01-091925

Tgt Ion:117 Resp: 977857
Ion Ratio Lower Upper
117 100
82 56.2 45.4 68.2
119 33.1 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: VV039189.D
Acq: 25 Sep 2025 18:10

Tgt Ion:152 Resp: 478832
Ion Ratio Lower Upper
152 100
115 61.1 44.8 134.4
150 153.6 0.0 353.8

