

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082525\
 Data File : VV039027.D
 Acq On : 25 Aug 2025 12:11
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

Quant Time: Aug 26 03:22:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082525W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 26 02:37:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	422801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	880620	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	795549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	349497	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	365186	59.885	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	119.760%#
35) Dibromofluoromethane	4.506	113	314439	49.582	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	99.160%
50) Toluene-d8	7.236	98	1084138	48.281	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	96.560%
62) 4-Bromofluorobenzene	10.001	95	355190	43.170	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	86.340%

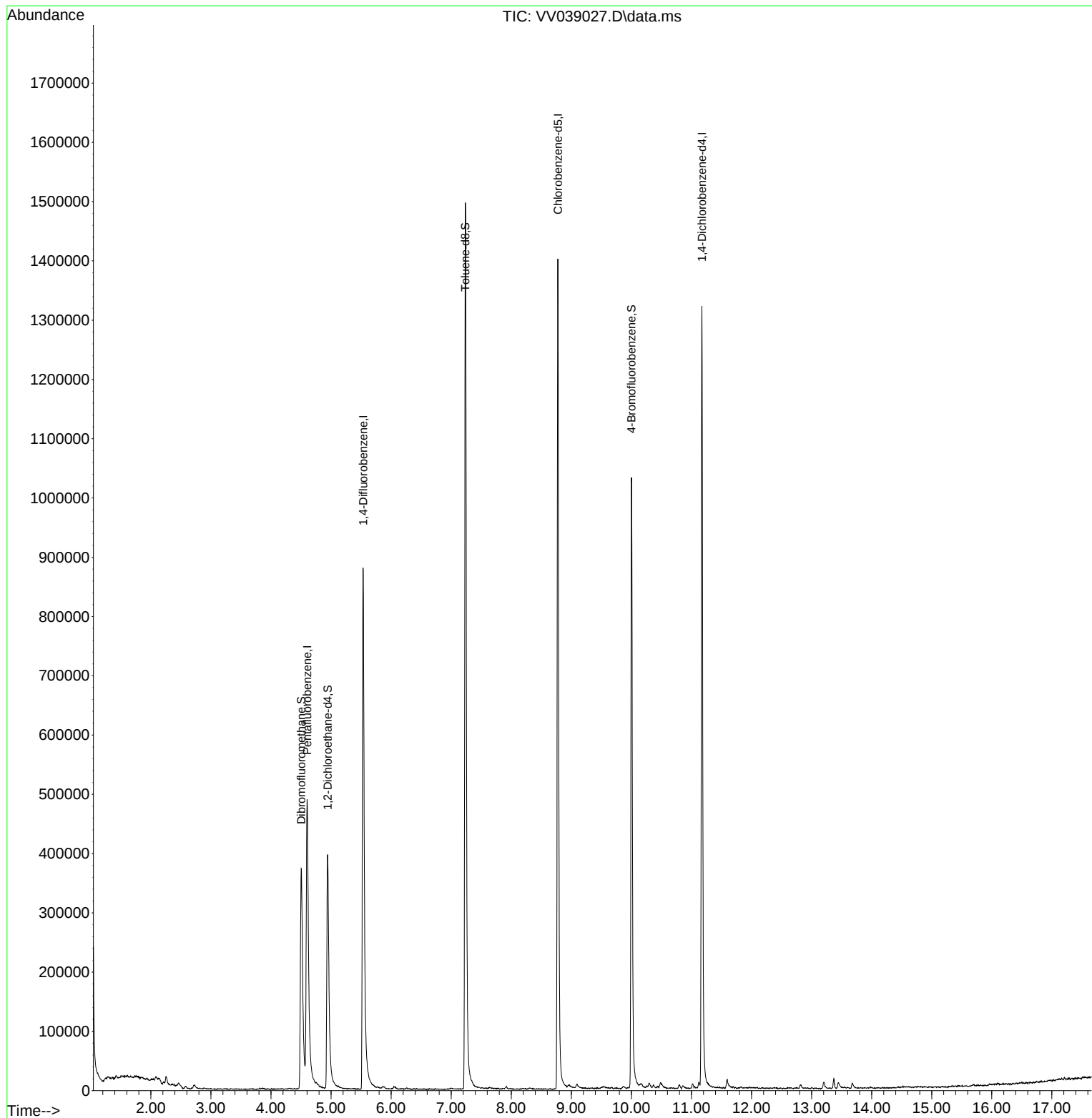
Target Compounds	Qvalue

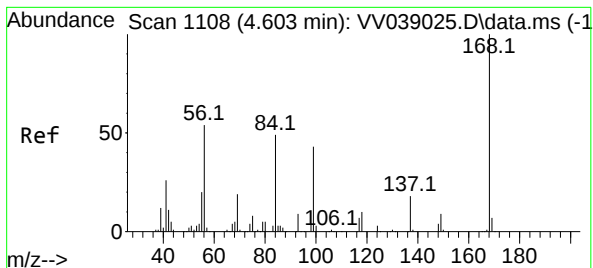
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.603 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VV039027.D

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Instrument :

MSVOA_V

ClientSampleId :

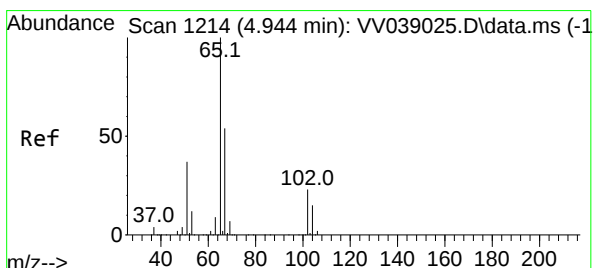
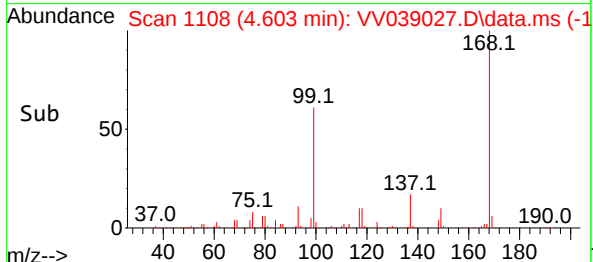
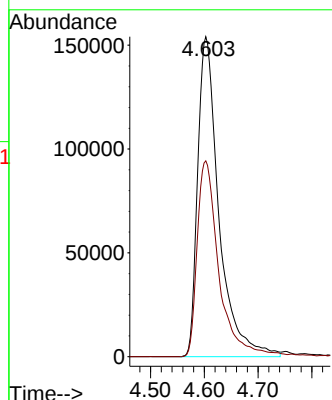
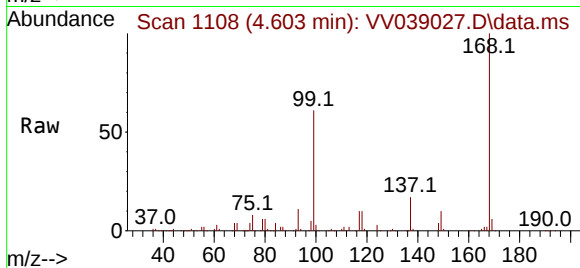
VIBLK

Tgt Ion:168 Resp: 422801

Ion Ratio Lower Upper

168 100

99 61.2 47.8 71.8



#33

1,2-Dichloroethane-d4

Concen: 59.885 ug/l

RT: 4.944 min Scan# 1214

Delta R.T. -0.000 min

Lab File: VV039027.D

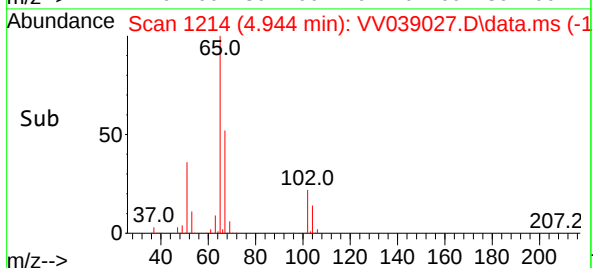
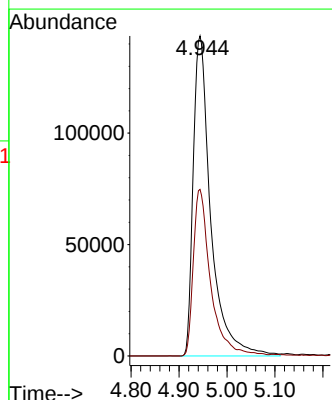
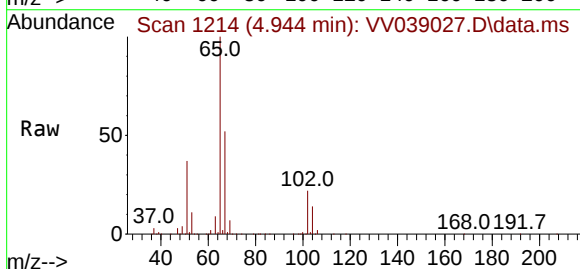
Acq: 25 Aug 2025 12:11

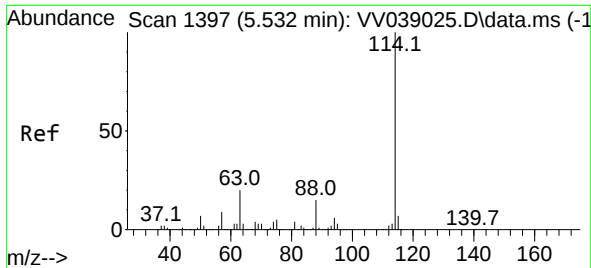
Tgt Ion: 65 Resp: 365186

Ion Ratio Lower Upper

65 100

67 51.3 0.0 108.2

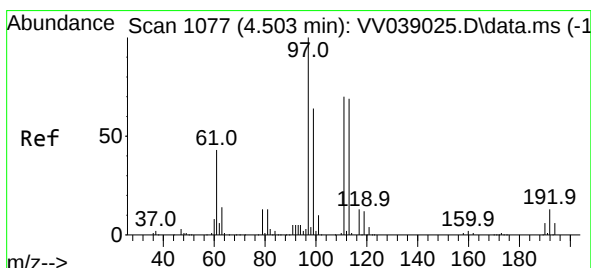
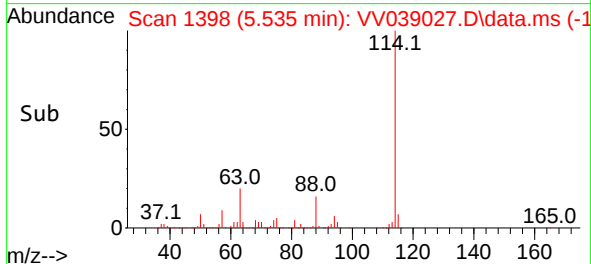
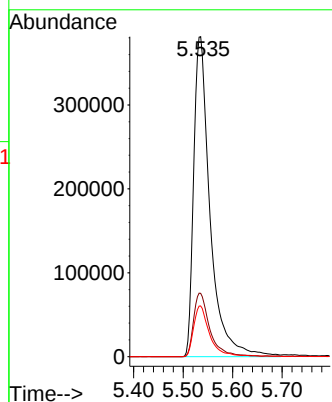
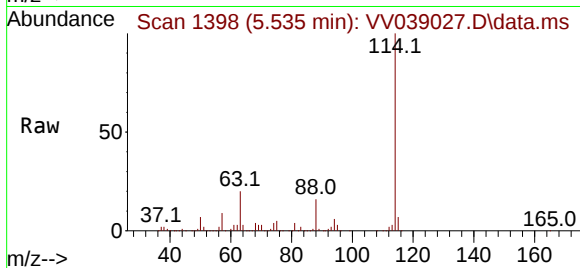




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.535 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

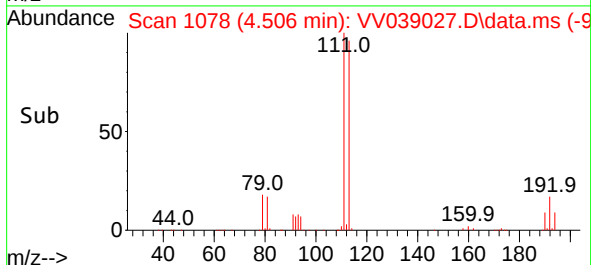
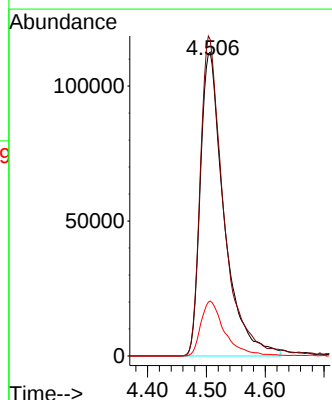
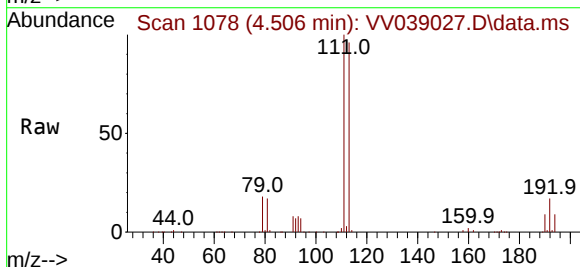
Instrument :
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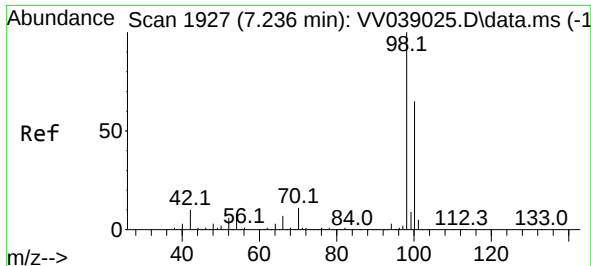
Tgt Ion:114 Resp: 880620
Ion Ratio Lower Upper
114 100
63 19.8 0.0 39.4
88 15.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.582 ug/l
RT: 4.506 min Scan# 1078
Delta R.T. 0.003 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion:113 Resp: 314439
Ion Ratio Lower Upper
113 100
111 102.1 82.2 123.2
192 18.3 14.2 21.2

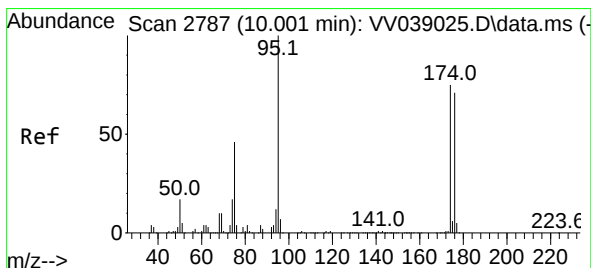
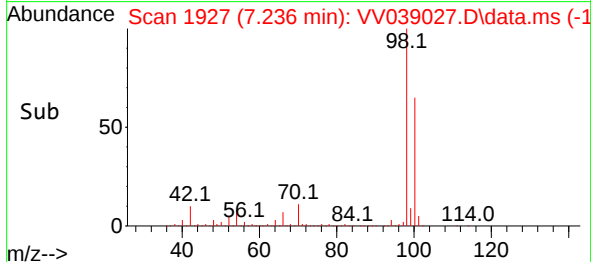
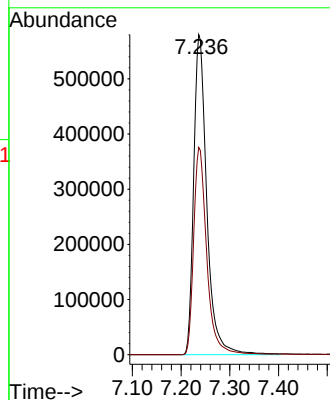
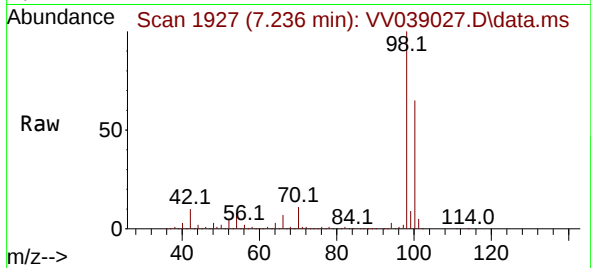




#50
Toluene-d8
Concen: 48.281 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

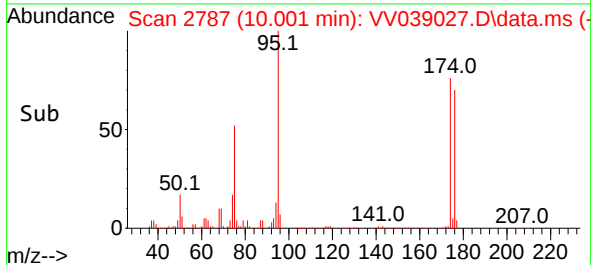
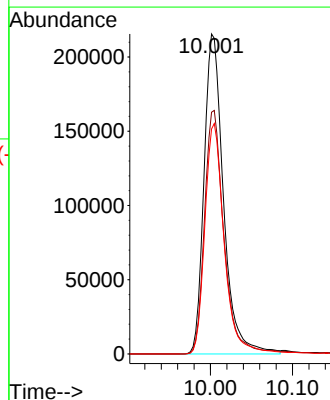
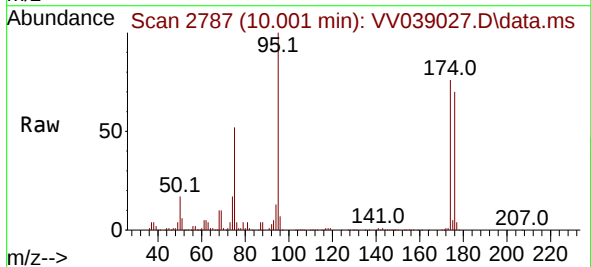
Instrument :
MSVOA_V
ClientSampleId :
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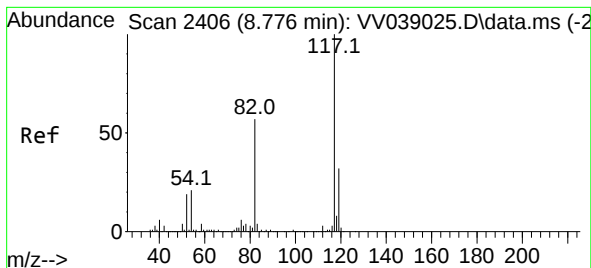
Tgt Ion: 98 Resp: 1084138
Ion Ratio Lower Upper
98 100
100 64.7 52.6 79.0



#62
4-Bromofluorobenzene
Concen: 43.170 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV039027.D
Acq: 25 Aug 2025 12:11

Tgt Ion: 95 Resp: 355190
Ion Ratio Lower Upper
95 100
174 76.8 0.0 150.4
176 72.1 0.0 144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.776 min Scan# 2406

Delta R.T. -0.000 min

Lab File: VV039027.D

Acq: 25 Aug 2025 12:11

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

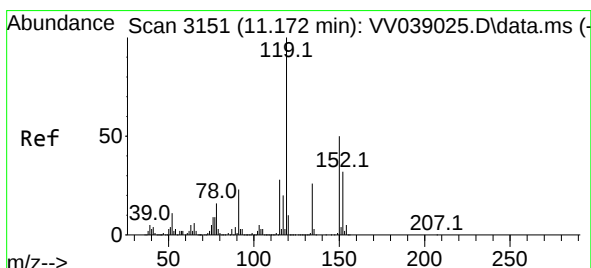
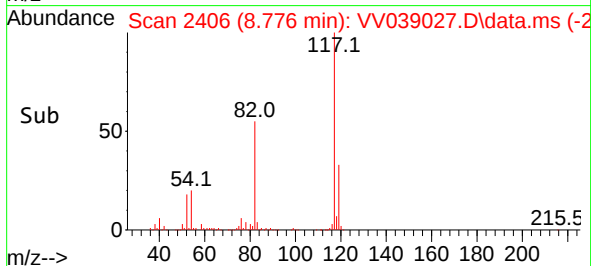
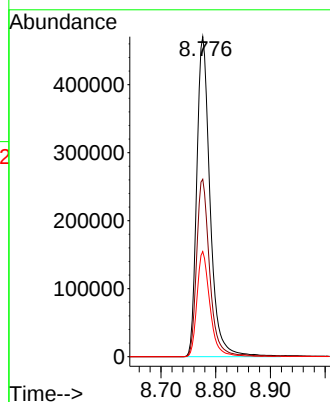
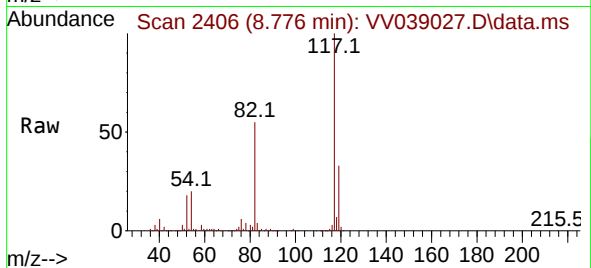
Tgt Ion:117 Resp: 795549

Ion Ratio Lower Upper

117 100

82 55.5 45.6 68.4

119 32.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VV039027.D

Acq: 25 Aug 2025 12:11

Tgt Ion:152 Resp: 349497

Ion Ratio Lower Upper

152 100

115 60.3 44.0 132.1

150 156.3 0.0 352.2

