

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV102125\
 Data File : VV039303.D
 Acq On : 21 Oct 2025 15:32
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

Quant Time: Oct 24 04:49:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.593	168	689917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1212535	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1108899	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	491534	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	512574	52.286	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	104.580%
35) Dibromofluoromethane	4.497	113	451388	47.246	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	94.500%
50) Toluene-d8	7.233	98	1433109	44.093	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	88.180%#
62) 4-Bromofluorobenzene	9.998	95	448257	38.726	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	77.460%#

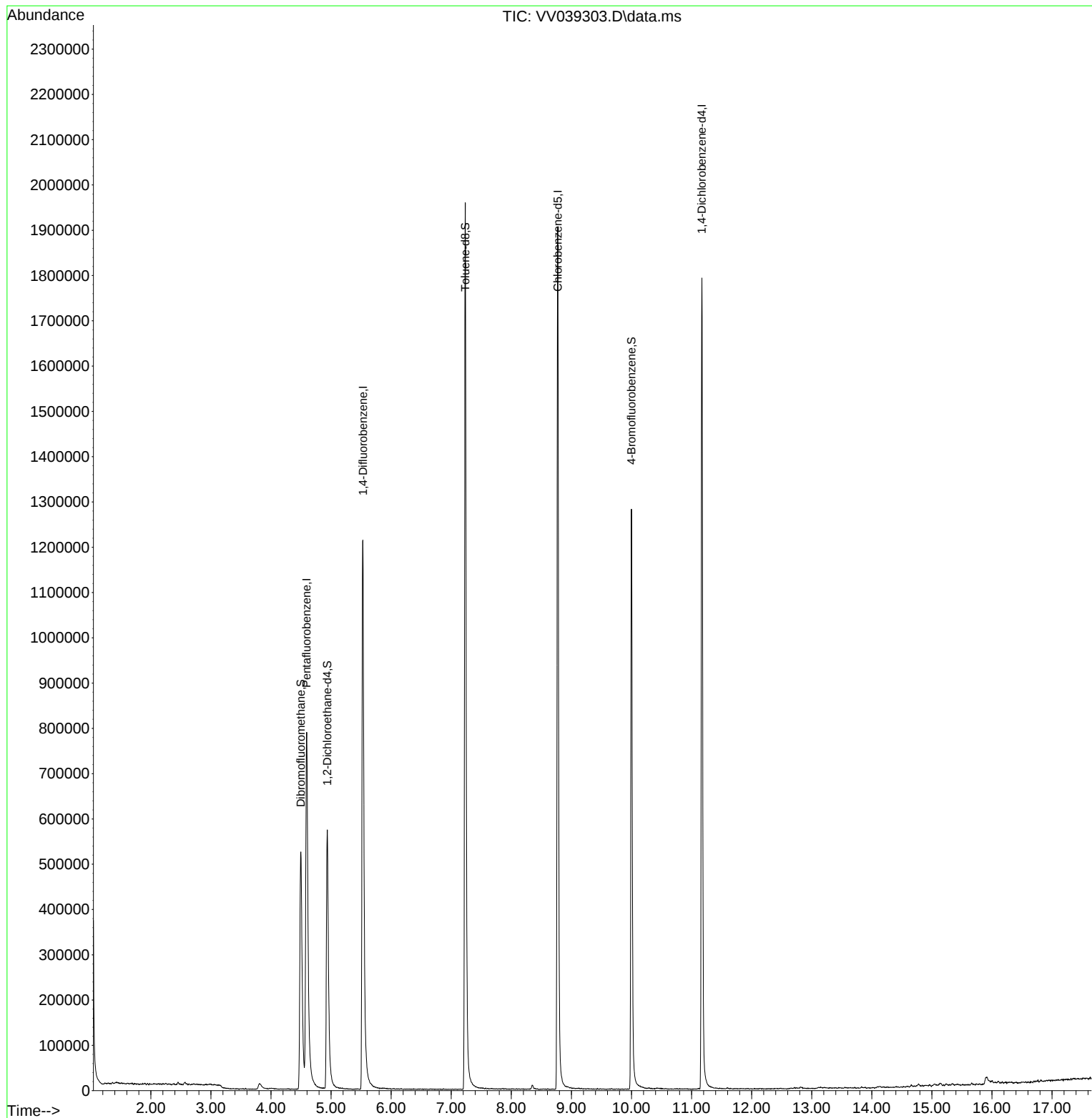
Target Compounds	Qvalue

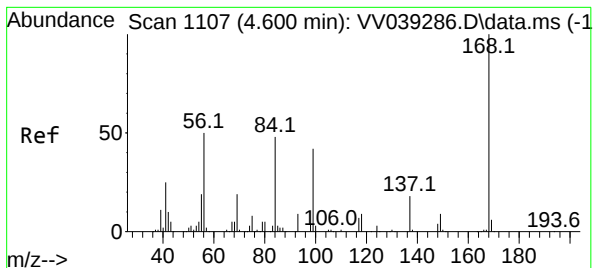
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.593 min Scan# 1105

Delta R.T. -0.007 min

Lab File: VV039303.D

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Instrument :

MSVOA_V

ClientSampleId :

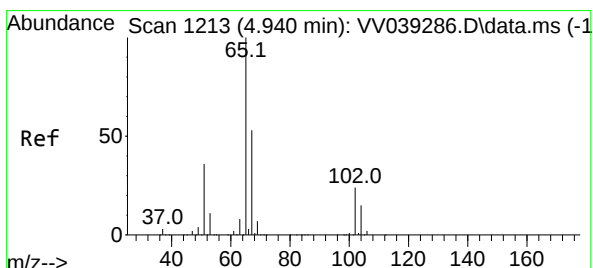
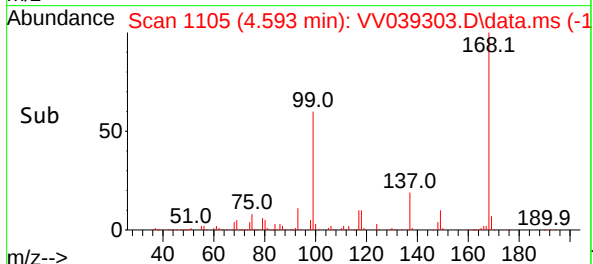
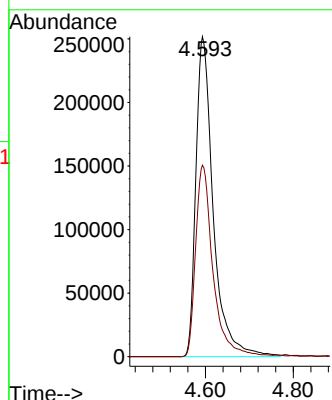
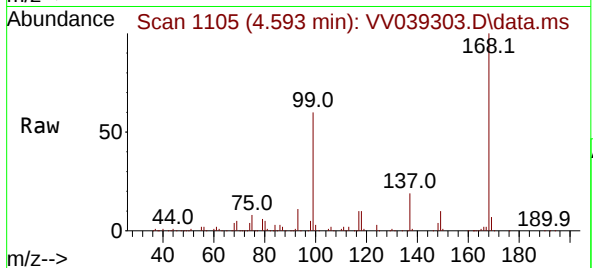
VIBLK

Tgt Ion:168 Resp: 689917

Ion Ratio Lower Upper

168 100

99 59.9 46.6 70.0



#33

1,2-Dichloroethane-d4

Concen: 52.286 ug/l

RT: 4.937 min Scan# 1212

Delta R.T. -0.003 min

Lab File: VV039303.D

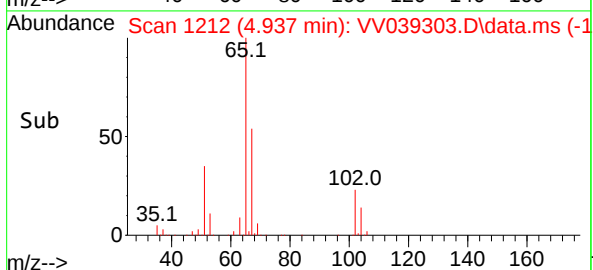
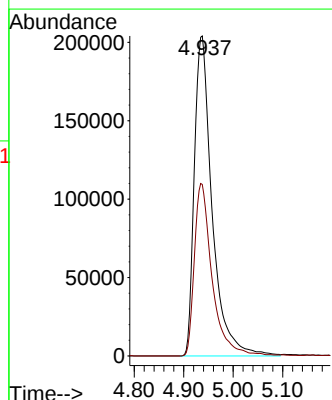
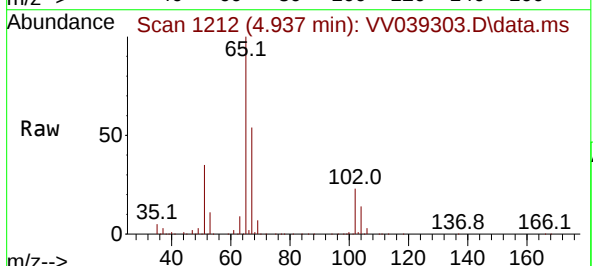
Acq: 21 Oct 2025 15:32

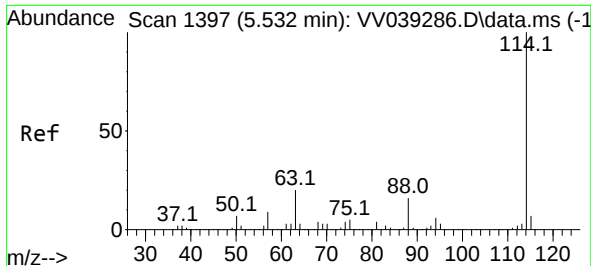
Tgt Ion: 65 Resp: 512574

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.529 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV039303.D

Acq: 21 Oct 2025 15:32

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

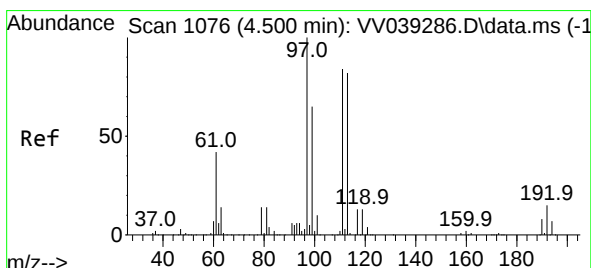
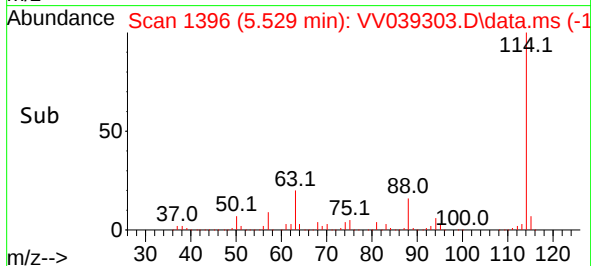
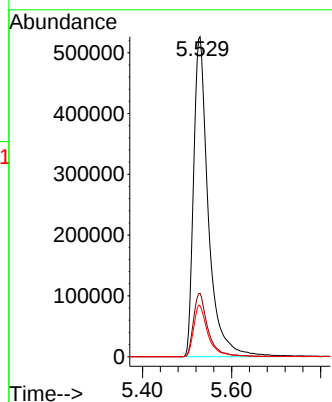
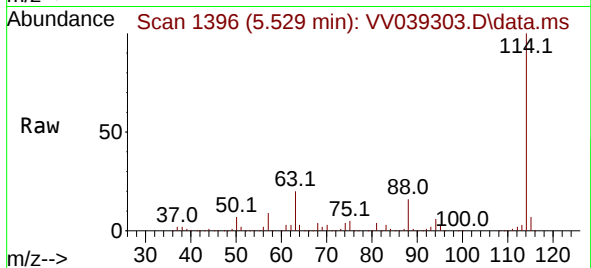
Tgt Ion:114 Resp: 1212535

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 15.9 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.246 ug/l

RT: 4.497 min Scan# 1075

Delta R.T. -0.003 min

Lab File: VV039303.D

Acq: 21 Oct 2025 15:32

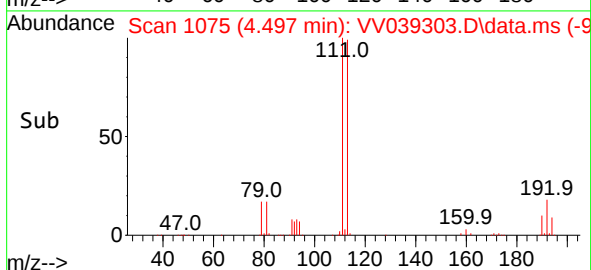
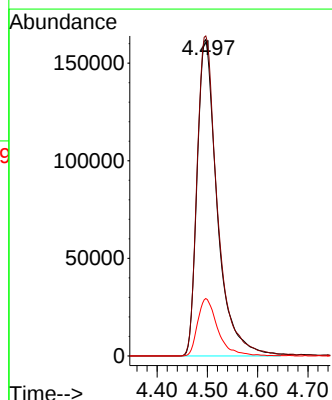
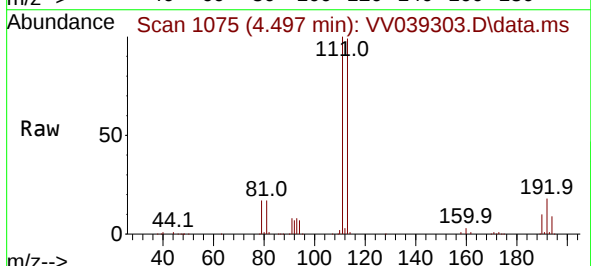
Tgt Ion:113 Resp: 451388

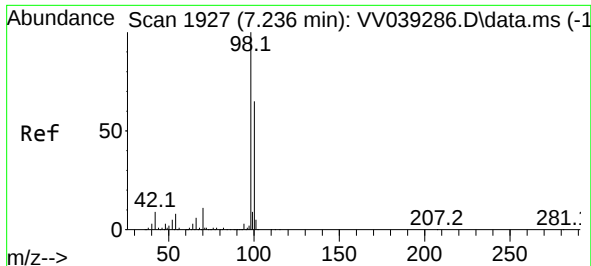
Ion Ratio Lower Upper

113 100

111 102.5 82.0 123.0

192 18.0 14.3 21.5

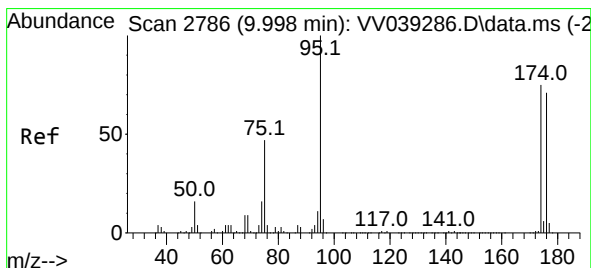
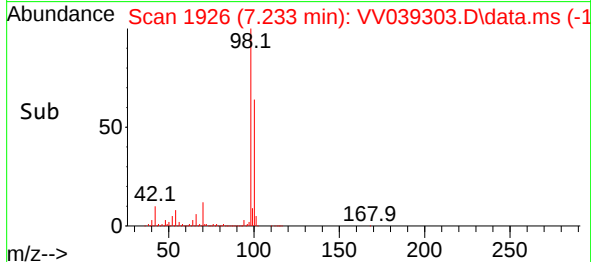
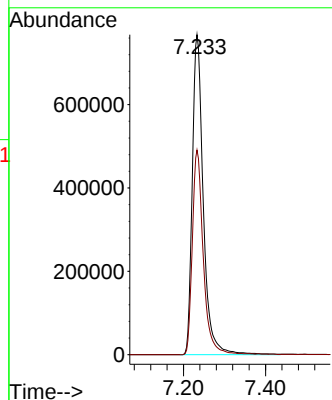
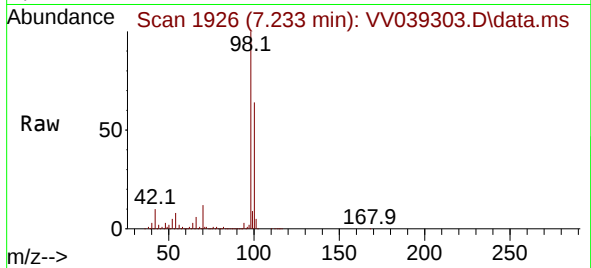




#50
Toluene-d8
Concen: 44.093 ug/l
RT: 7.233 min Scan# 1927
Delta R.T. -0.003 min
Lab File: VV039303.D
Acq: 21 Oct 2025 15:32

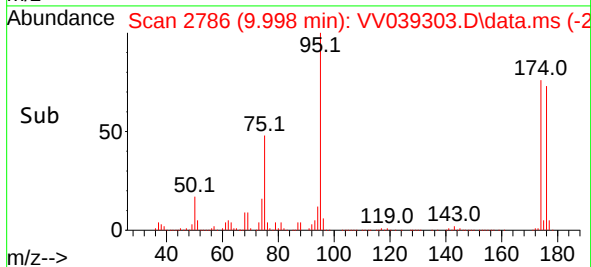
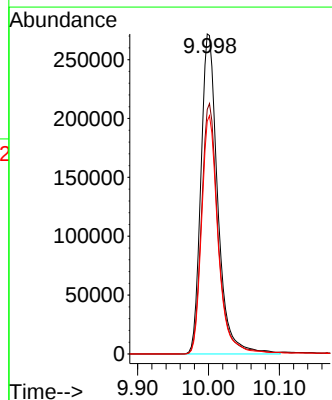
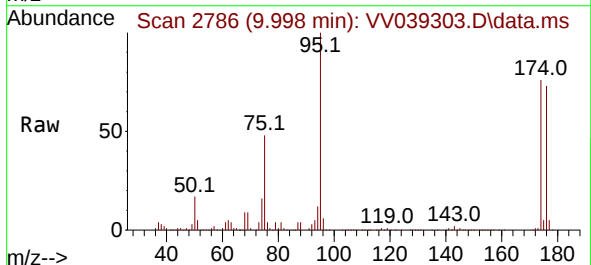
Instrument :
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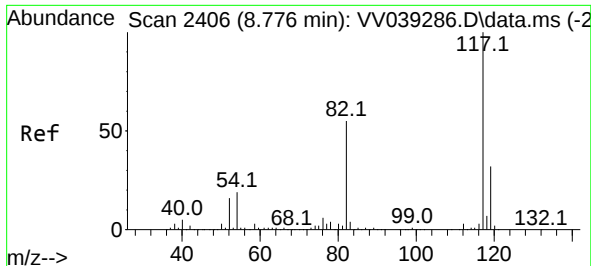
Tgt Ion: 98 Resp: 1433109
Ion Ratio Lower Upper
98 100
100 63.7 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 38.726 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039303.D
Acq: 21 Oct 2025 15:32

Tgt Ion: 95 Resp: 448257
Ion Ratio Lower Upper
95 100
174 77.7 0.0 153.6
176 73.0 0.0 146.0

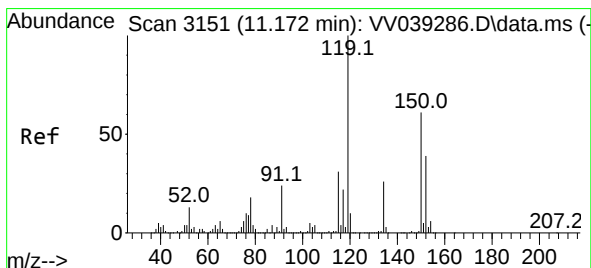
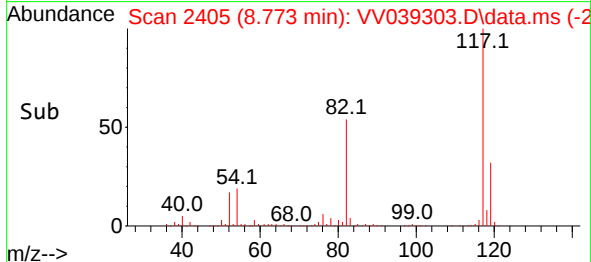
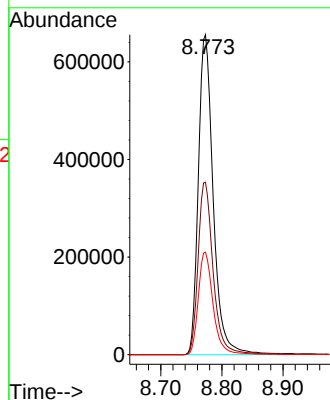
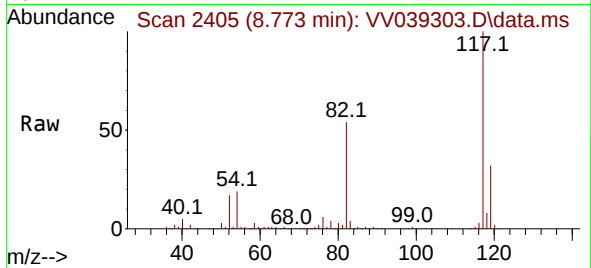




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2406
Delta R.T. -0.003 min
Lab File: VV039303.D
Acq: 21 Oct 2025 15:32

Instrument :
MSVOA_V
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1108899
Ion Ratio Lower Upper
117 100
82 53.9 43.8 65.8
119 32.0 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039303.D
Acq: 21 Oct 2025 15:32

Tgt Ion:152 Resp: 491534
Ion Ratio Lower Upper
152 100
115 61.1 42.3 126.8
150 157.0 0.0 348.0

