

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
 Data File : VV039343.D
 Acq On : 05 Nov 2025 18:05
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

Quant Time: Nov 06 00:19:50 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	4.600	168	587692	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1063324	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1010398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	449521	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	529468	63.403	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	126.800%#
35) Dibromofluoromethane	4.500	113	477139	56.950	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	113.900%
50) Toluene-d8	7.236	98	1508587	52.928	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	105.860%
62) 4-Bromofluorobenzene	9.998	95	516782	50.910	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	101.820%

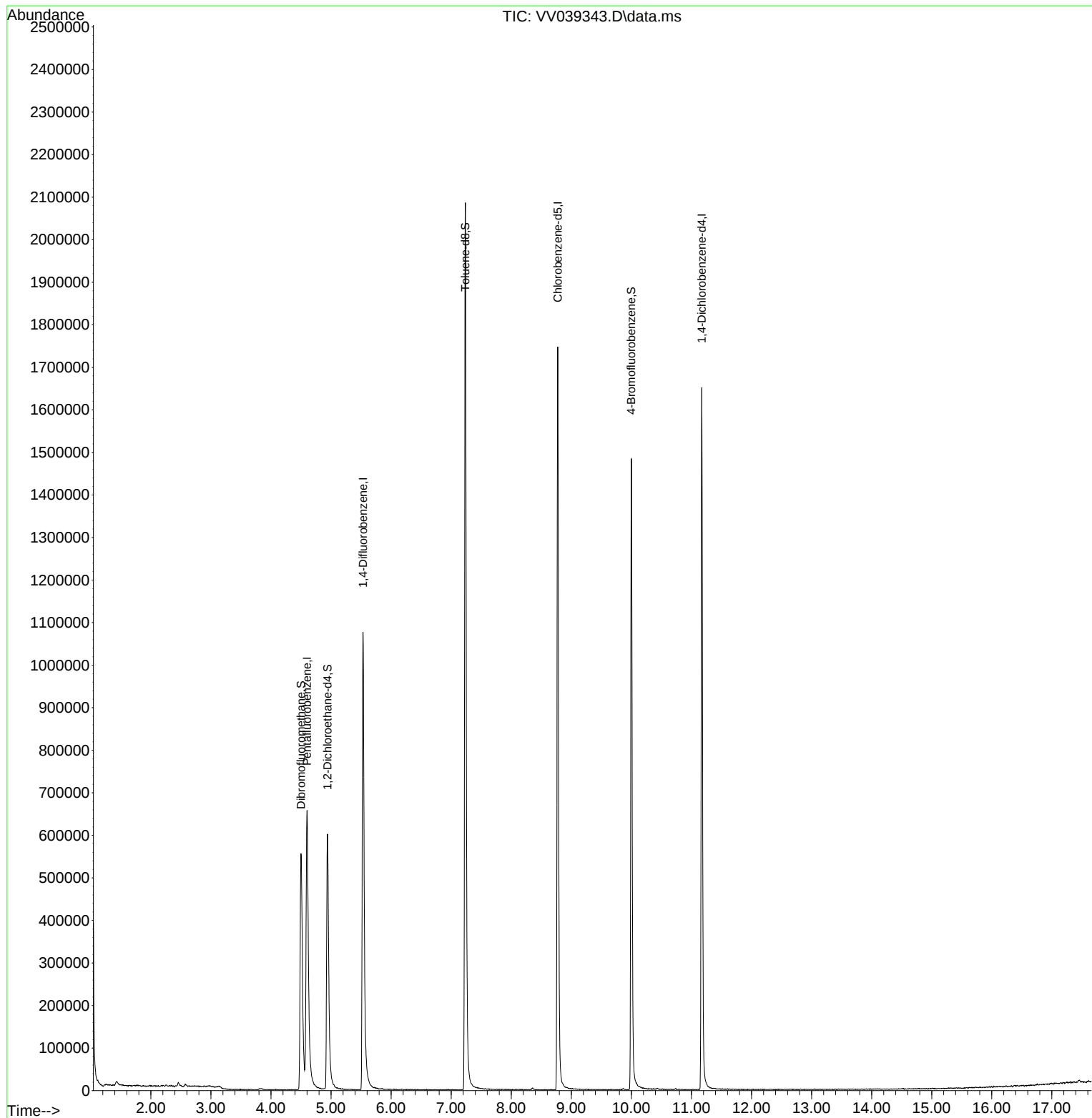
Target Compounds	Qvalue

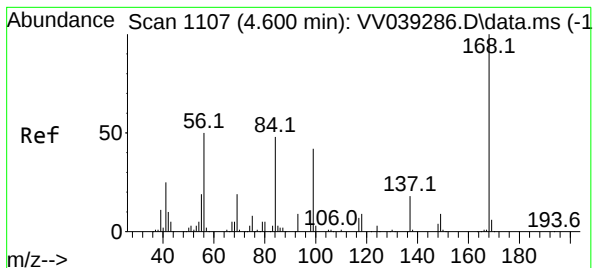
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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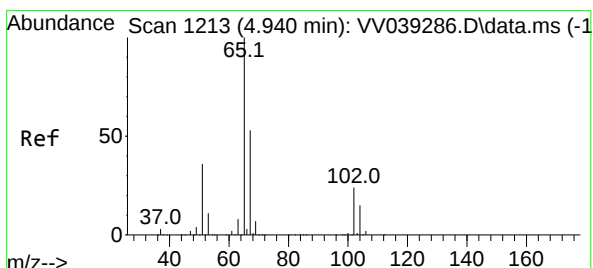
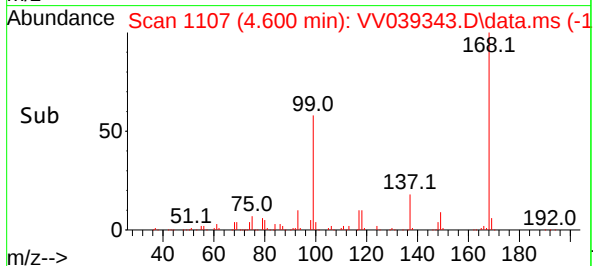
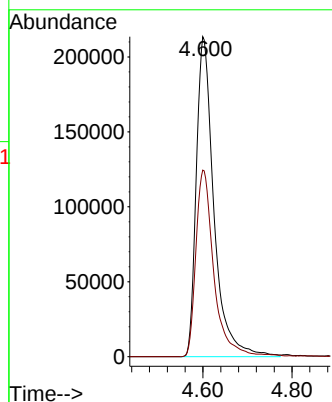
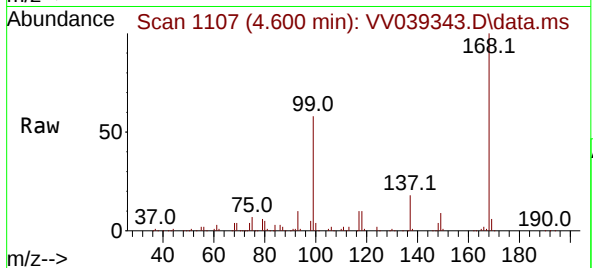




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

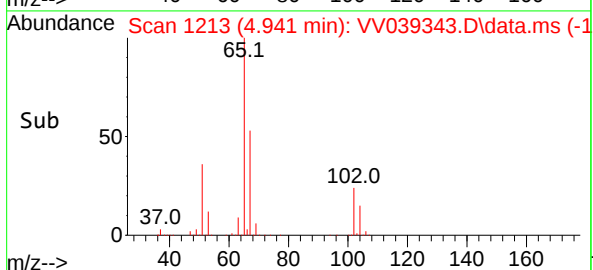
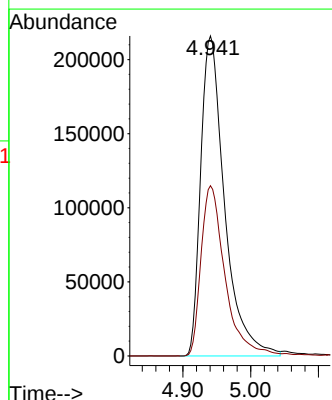
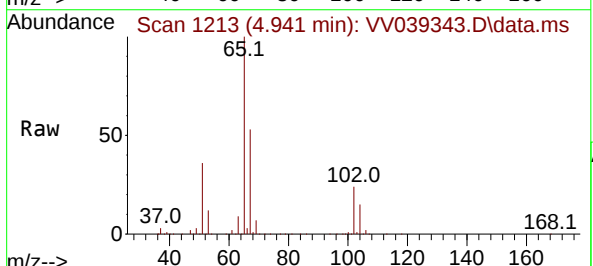
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

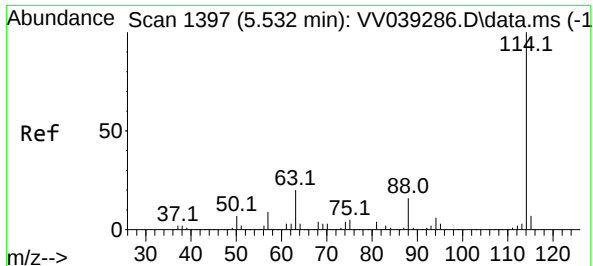
Tgt Ion:168 Resp: 587692
Ion Ratio Lower Upper
168 100
99 58.3 46.6 70.0



#33
1,2-Dichloroethane-d4
Concen: 63.403 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

Tgt Ion: 65 Resp: 529468
Ion Ratio Lower Upper
65 100
67 53.3 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV039343.D

Acq: 05 Nov 2025 18:05

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

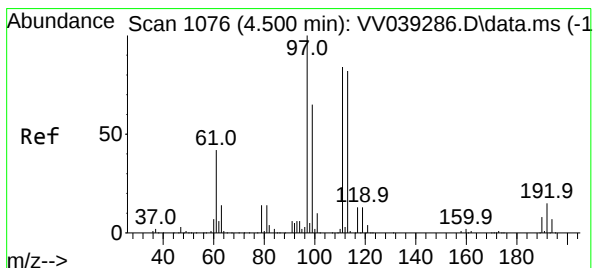
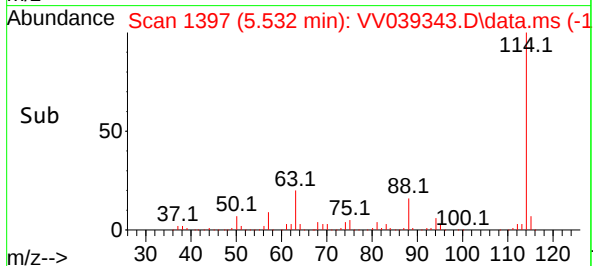
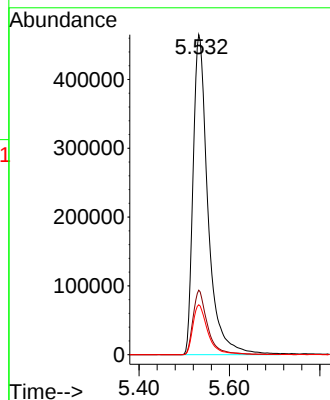
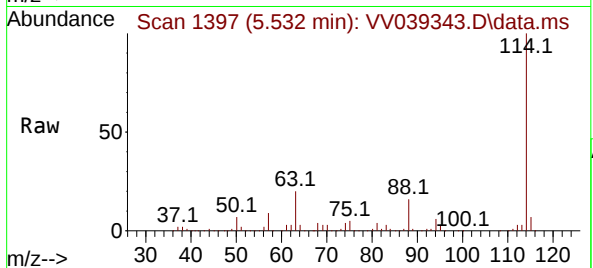
Tgt Ion:114 Resp: 1063324

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 15.6 0.0 31.6



#35

Dibromofluoromethane

Concen: 56.950 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV039343.D

Acq: 05 Nov 2025 18:05

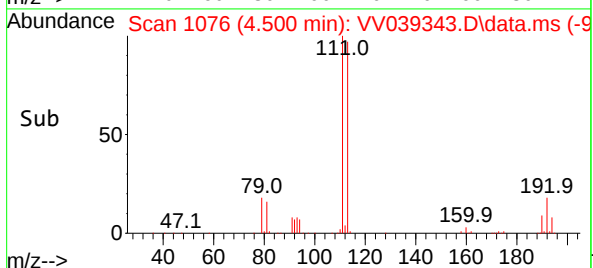
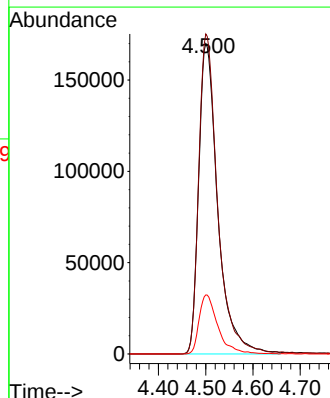
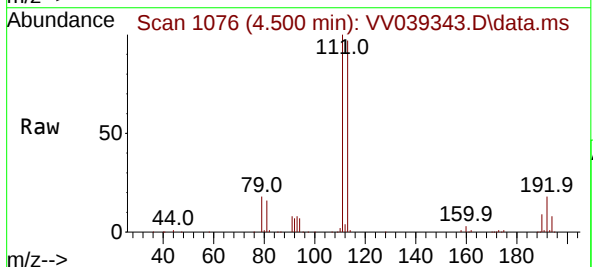
Tgt Ion:113 Resp: 477139

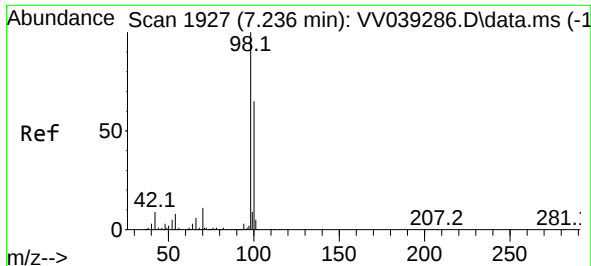
Ion Ratio Lower Upper

113 100

111 101.4 82.0 123.0

192 18.7 14.3 21.5

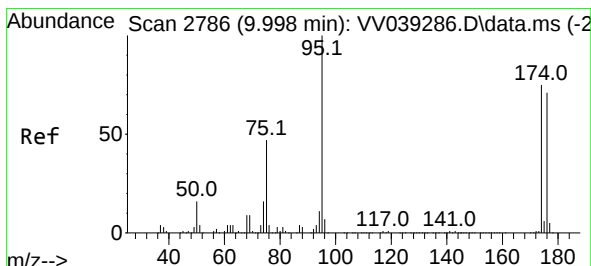
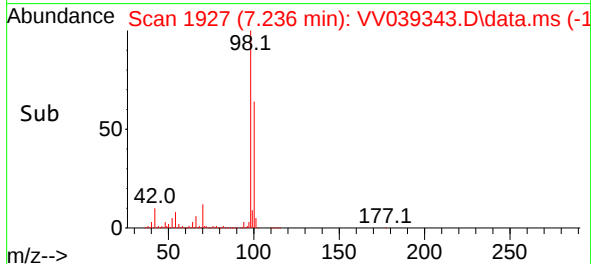
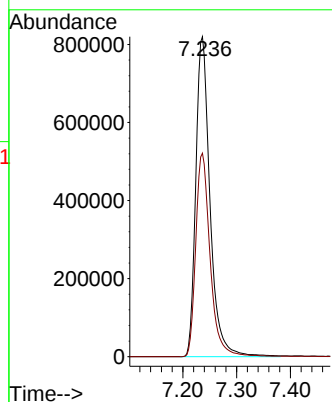
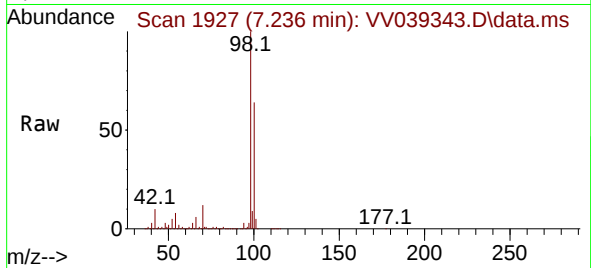




#50
Toluene-d8
Concen: 52.928 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

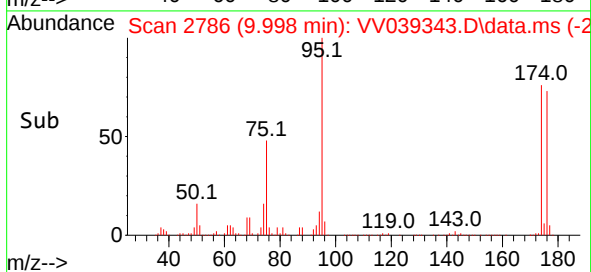
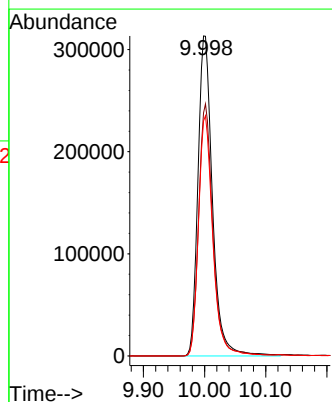
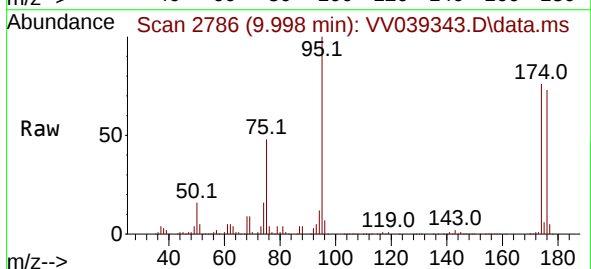
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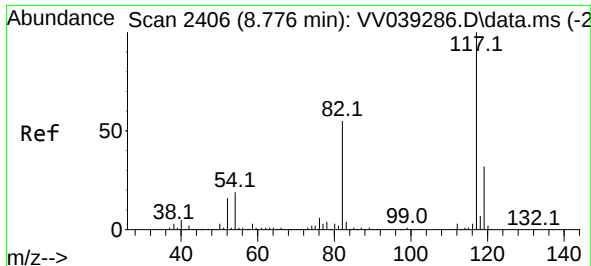
Tgt Ion: 98 Resp: 1508587
Ion Ratio Lower Upper
98 100
100 64.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 50.910 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

Tgt Ion: 95 Resp: 516782
Ion Ratio Lower Upper
95 100
174 77.6 0.0 153.6
176 73.9 0.0 146.0

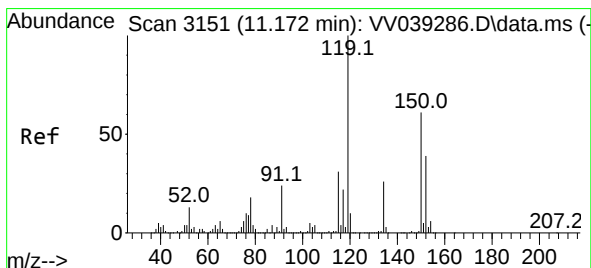
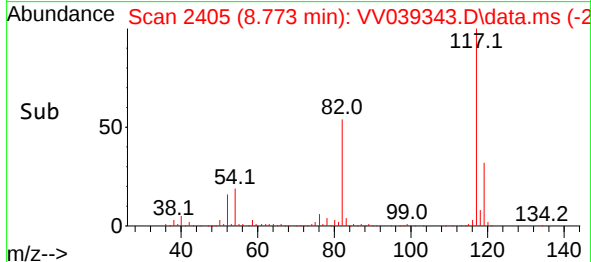
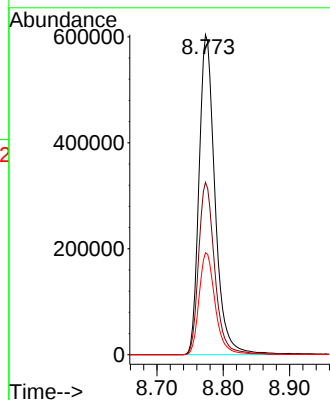
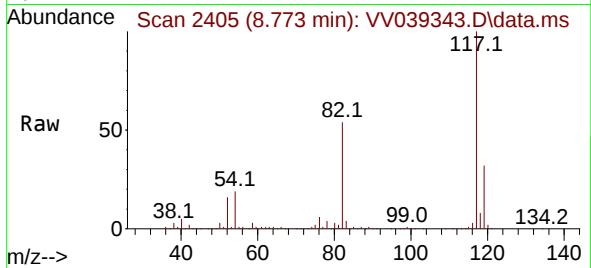




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2406
Delta R.T. -0.003 min
Lab File: VV039343.D
Acq: 05 Nov 2025 18:05

Instrument :
MSVOA_V
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 1010398
Ion Ratio Lower Upper
117 100
82 53.9 43.8 65.8
119 31.8 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: VV039343.D
Acq: 05 Nov 2025 18:05

Tgt Ion:152 Resp: 449521
Ion Ratio Lower Upper
152 100
115 60.5 42.3 126.8
150 157.3 0.0 348.0

