

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV062725\
 Data File : VV038829.D
 Acq On : 27 Jun 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: Jun 28 04:02:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V062725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 28 03:44:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	490365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	898960	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	820520	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	380720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	342899	54.318	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.640%	
35) Dibromofluoromethane	4.503	113	283637	48.630	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.260%	
50) Toluene-d8	7.236	98	872306	43.772	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.540%	
62) 4-Bromofluorobenzene	10.001	95	309488	42.187	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.380%	

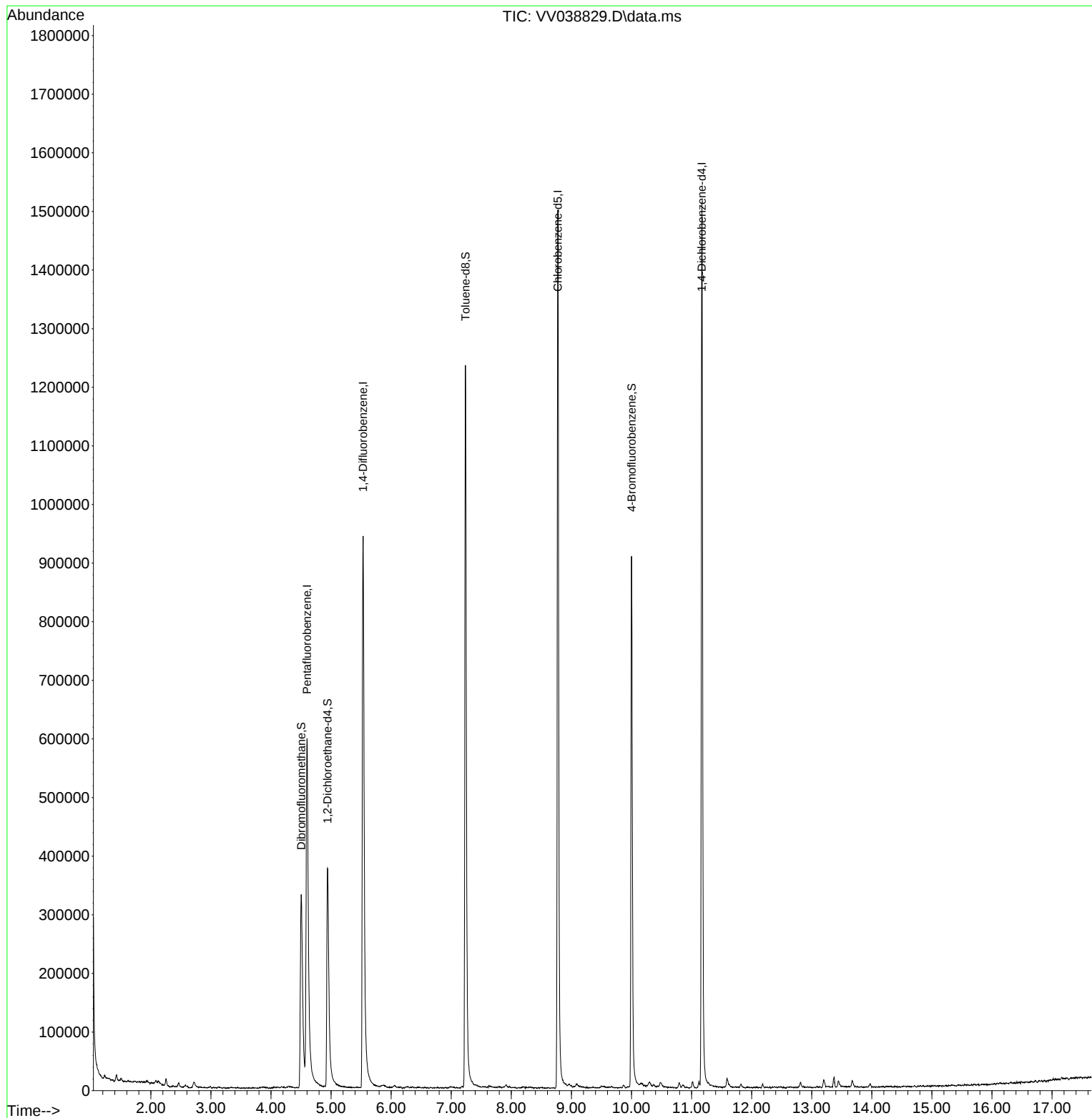
Target Compounds Qvalue

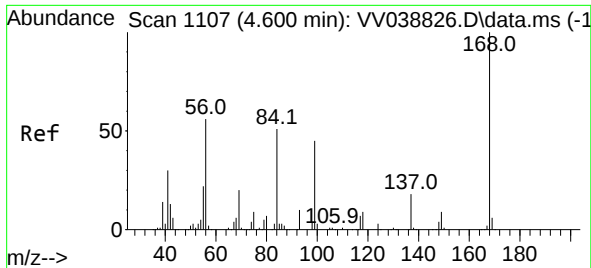
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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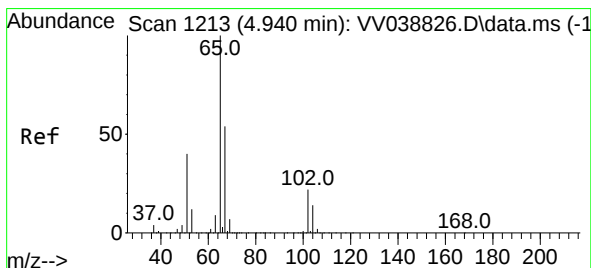
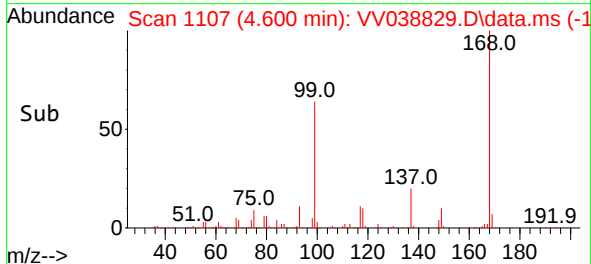
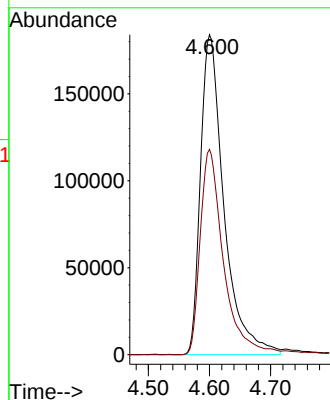
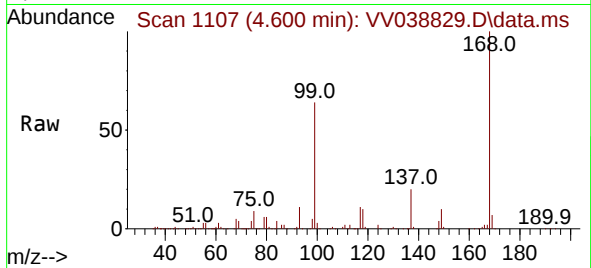




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV038829.D
Acq: 27 Jun 2025 12:11

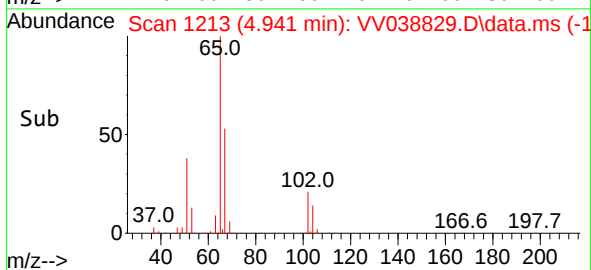
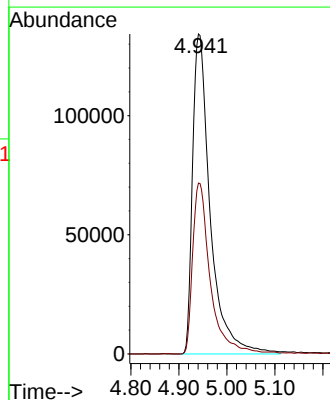
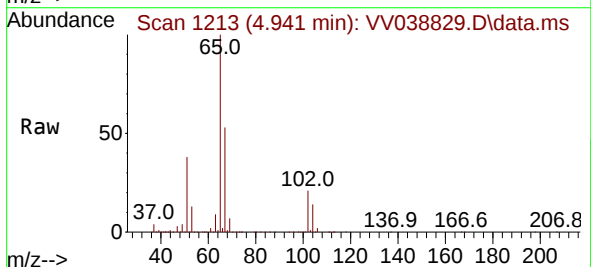
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

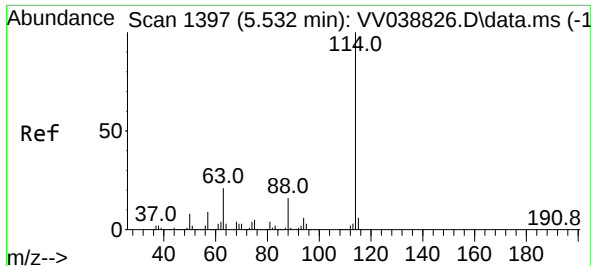
Tgt Ion:168 Resp: 490365
Ion Ratio Lower Upper
168 100
99 64.2 49.0 73.6



#33
1,2-Dichloroethane-d4
Concen: 54.318 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VV038829.D
Acq: 27 Jun 2025 12:11

Tgt Ion: 65 Resp: 342899
Ion Ratio Lower Upper
65 100
67 53.2 0.0 110.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV038829.D

Acq: 27 Jun 2025 12:11

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

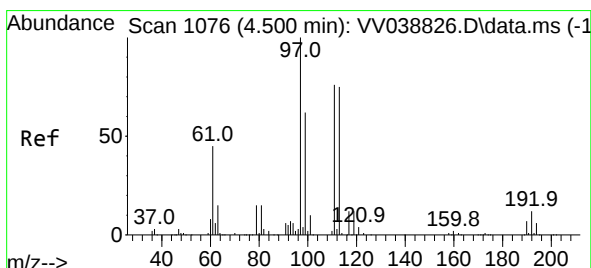
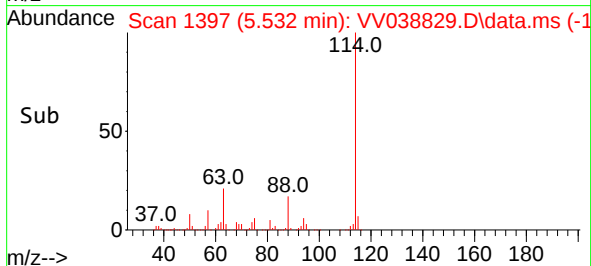
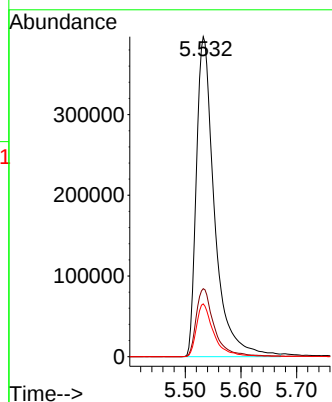
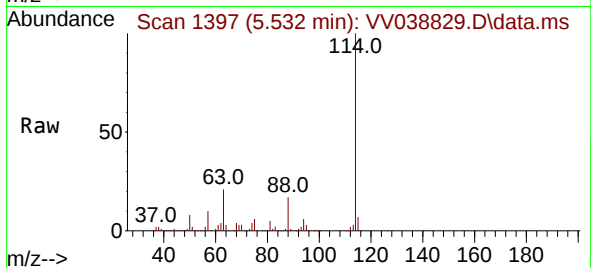
Tgt Ion:114 Resp: 898960

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

88 16.5 0.0 31.0



#35

Dibromofluoromethane

Concen: 48.630 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV038829.D

Acq: 27 Jun 2025 12:11

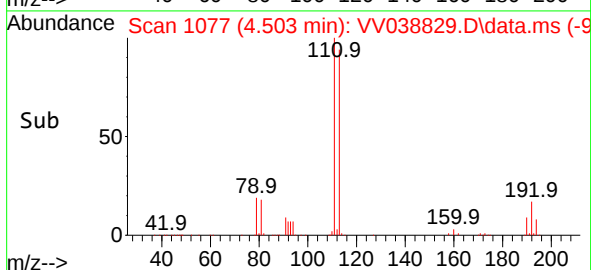
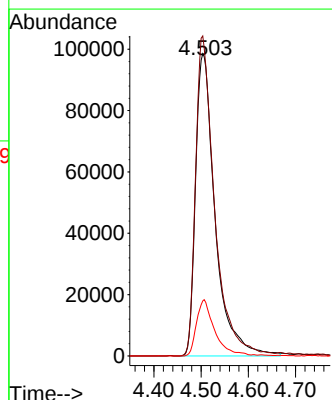
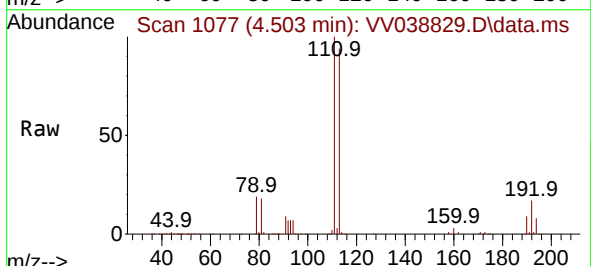
Tgt Ion:113 Resp: 283637

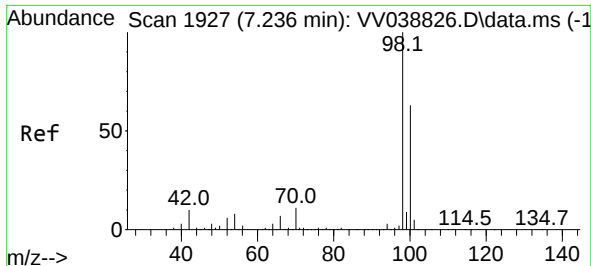
Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.4

192 17.2 13.7 20.5

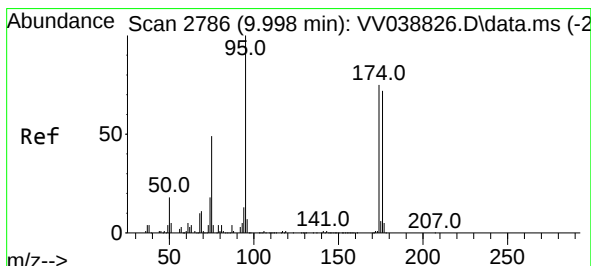
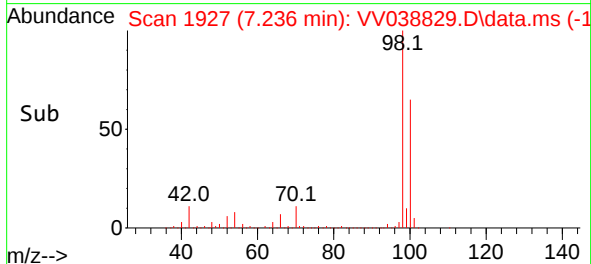
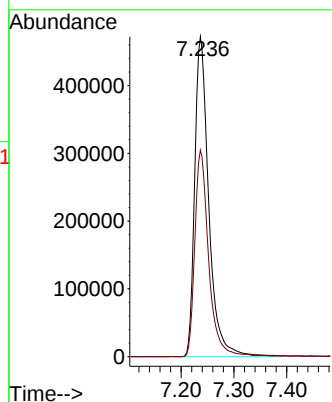
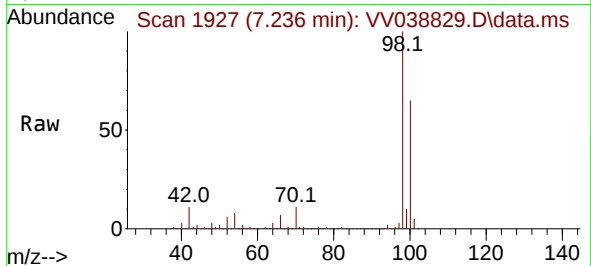




#50
Toluene-d8
Concen: 43.772 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV038829.D
Acq: 27 Jun 2025 12:11

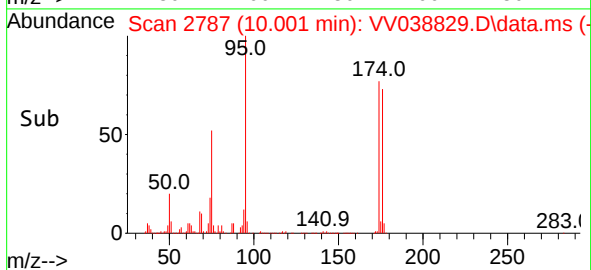
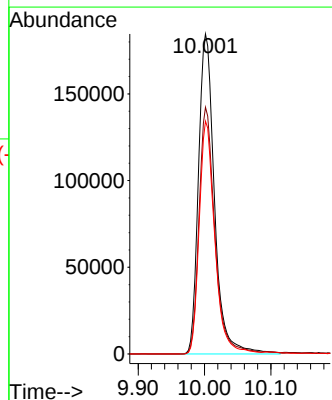
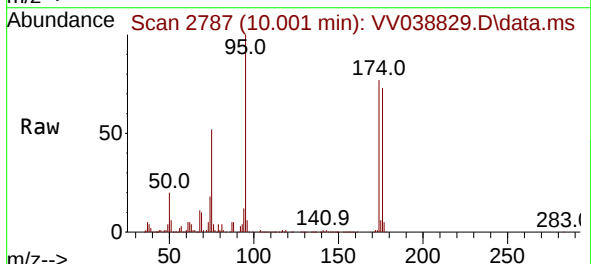
Instrument :
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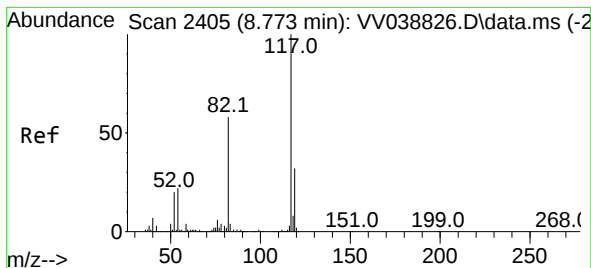
Tgt Ion: 98 Resp: 872306
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 42.187 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV038829.D
Acq: 27 Jun 2025 12:11

Tgt Ion: 95 Resp: 309488
Ion Ratio Lower Upper
95 100
174 76.2 0.0 151.0
176 70.7 0.0 145.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VV038829.D

Acq: 27 Jun 2025 12:11

Instrument :

MSVOA_V

ClientSampleId :

VIBLK

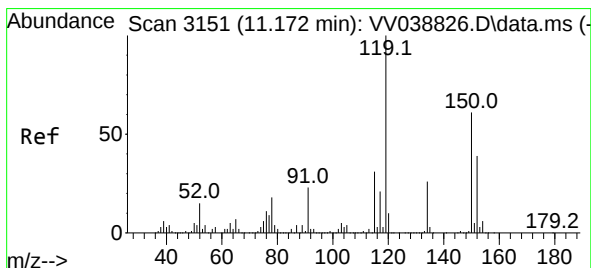
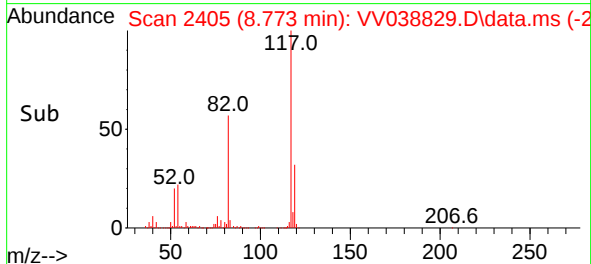
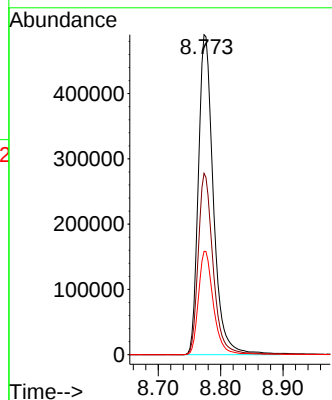
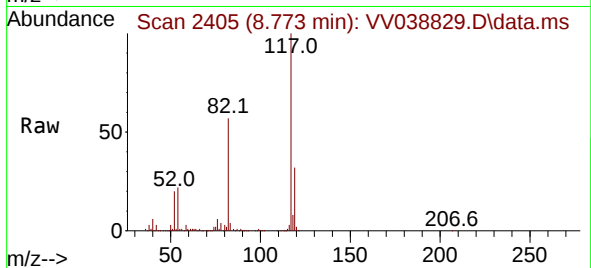
Tgt Ion:117 Resp: 820520

Ion Ratio Lower Upper

117 100

82 56.7 46.2 69.2

119 32.3 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VV038829.D

Acq: 27 Jun 2025 12:11

Tgt Ion:152 Resp: 380720

Ion Ratio Lower Upper

152 100

115 59.8 41.3 123.7

150 158.3 0.0 344.6

