

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV081325\
 Data File : VV038952.D
 Acq On : 13 Aug 2025 15:02
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

Quant Time: Aug 14 02:45:24 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V081325W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 14 02:40:30 2025
 Response via : Initial Calibration

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

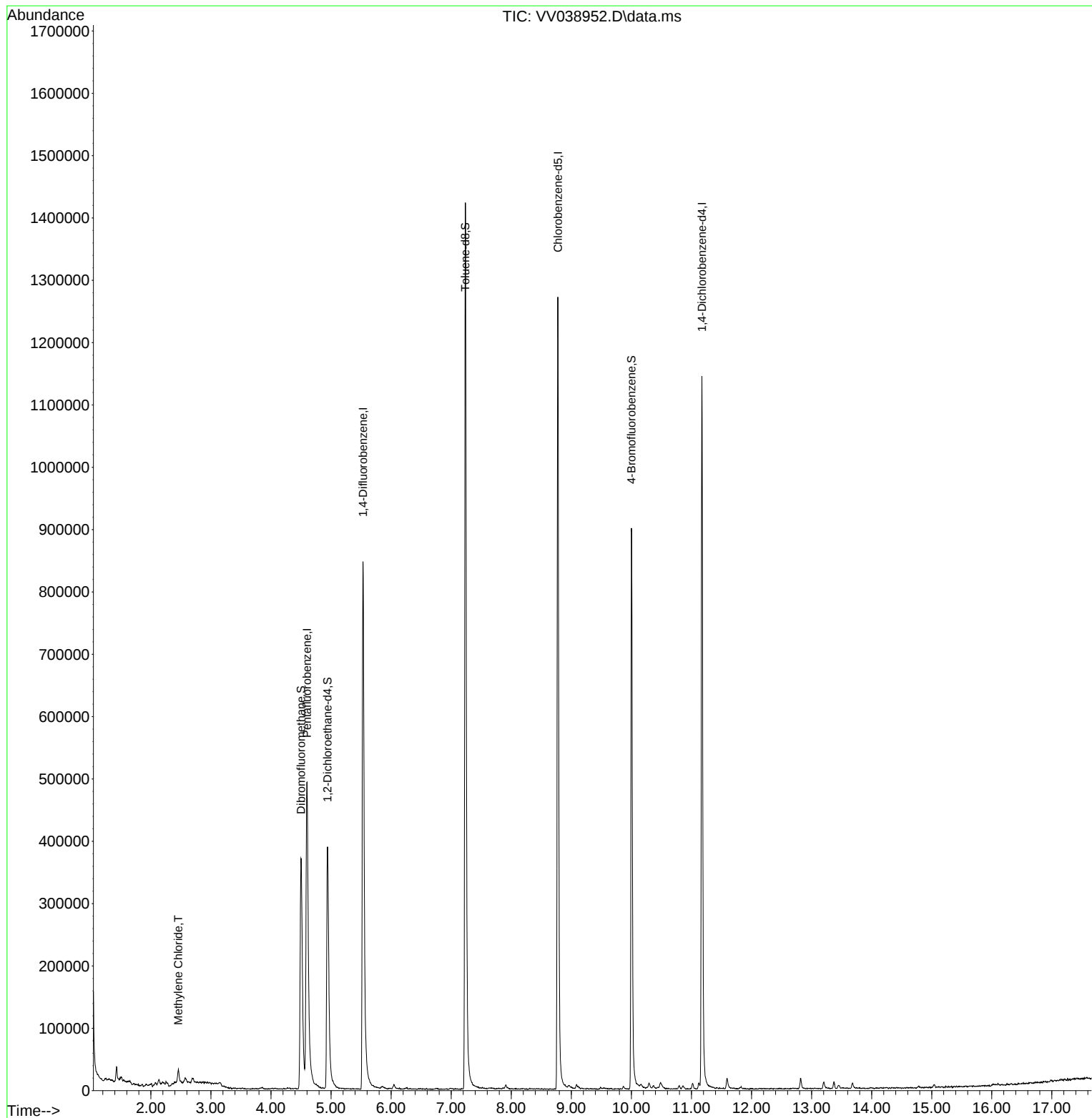
Internal Standards						
1) Pentafluorobenzene	4.600	168	434539	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	824447	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	729910	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	302852	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	355395	59.300	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 118.600%#	
35) Dibromofluoromethane	4.500	113	309373	53.267	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 106.540%	
50) Toluene-d8	7.236	98	1006159	49.728	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 99.460%	
62) 4-Bromofluorobenzene	10.001	95	308216	41.925	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 83.860%#	
Target Compounds						
					Qvalue	
20) Methylene Chloride	2.458	84	9899	1.158	ug/l	94

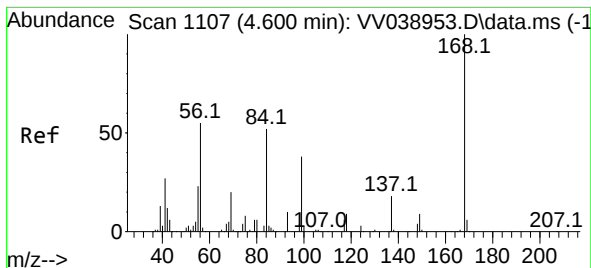
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VV038952.D

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ClientSampleId :

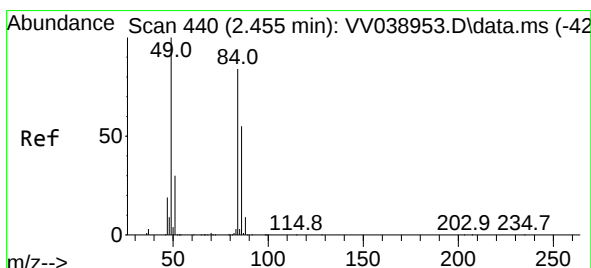
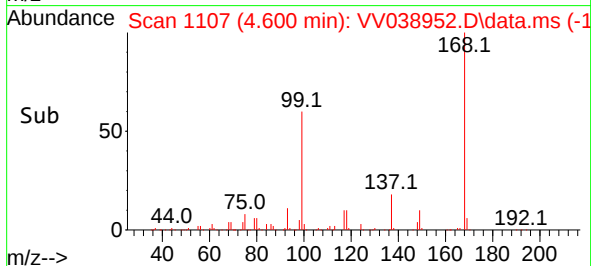
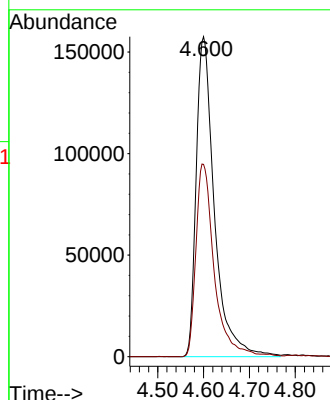
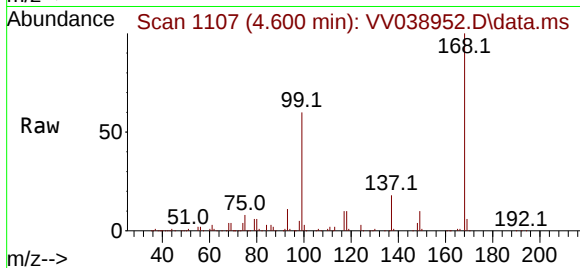
VIBLK

Tgt Ion:168 Resp: 434539

Ion Ratio Lower Upper

168 100

99 60.1 48.0 72.0



#20

Methylene Chloride

Concen: 1.158 ug/l

RT: 2.458 min Scan# 441

Delta R.T. 0.003 min

Lab File: VV038952.D

Acq: 13 Aug 2025 15:02

Tgt Ion: 84 Resp: 9899

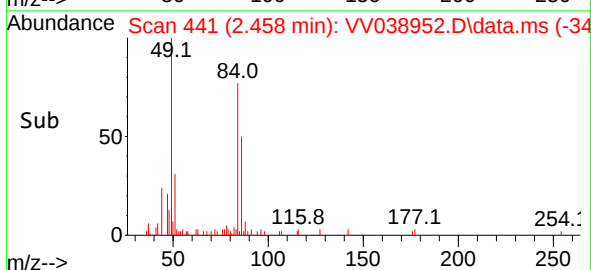
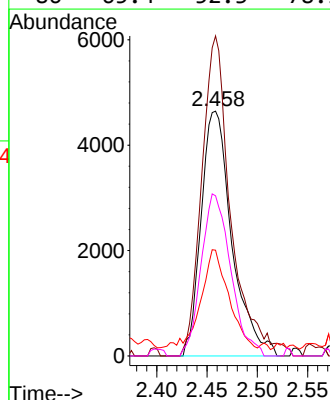
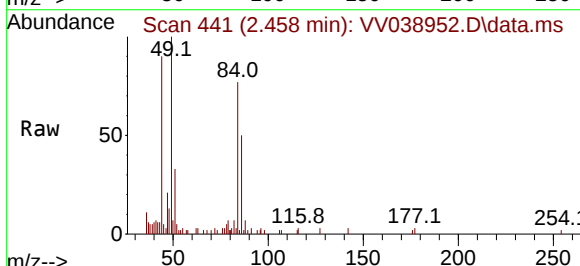
Ion Ratio Lower Upper

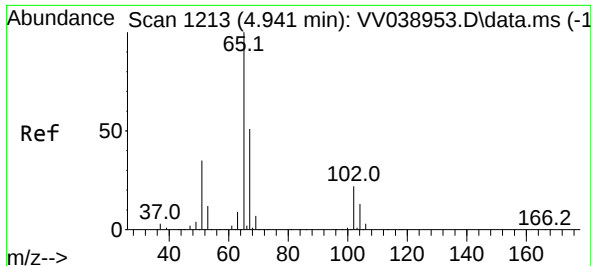
84 100

49 130.7 95.8 143.6

51 38.8 29.0 43.4

86 65.4 52.3 78.5





#33

1,2-Dichloroethane-d4

Concen: 59.300 ug/l

RT: 4.941 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV038952.D

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Instrument :

MSVOA_V

ClientSampleId :

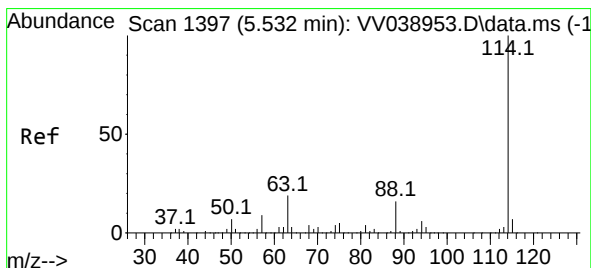
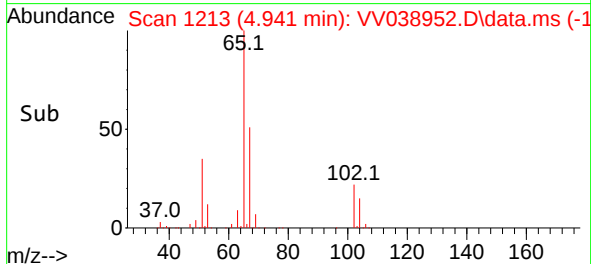
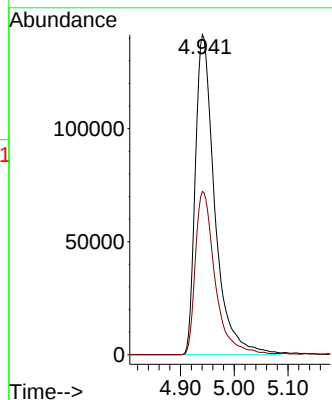
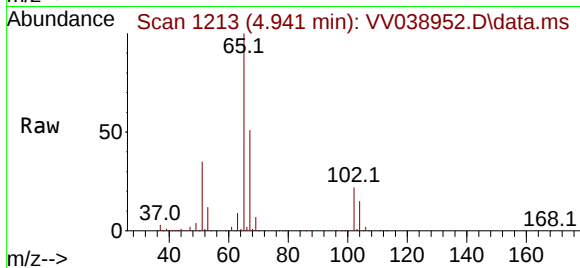
VIBLK

Tgt Ion: 65 Resp: 355395

Ion Ratio Lower Upper

65 100

67 51.8 0.0 107.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VV038952.D

Acq: 13 Aug 2025 15:02

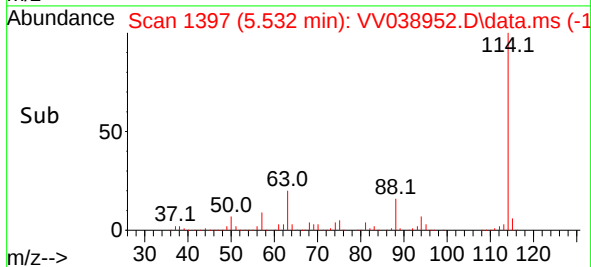
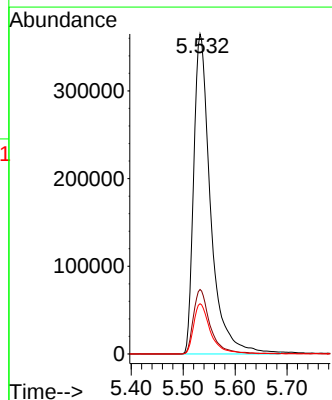
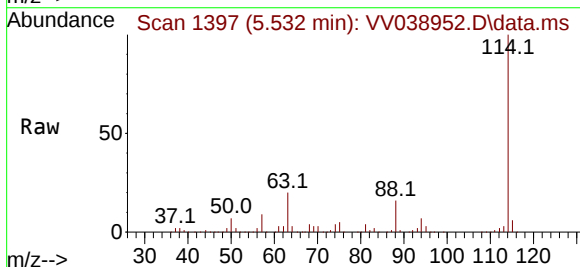
Tgt Ion: 114 Resp: 824447

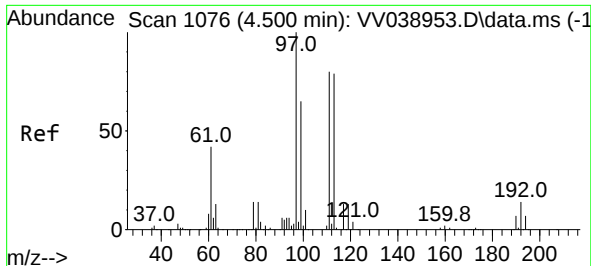
Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.8

88 15.7 0.0 31.4

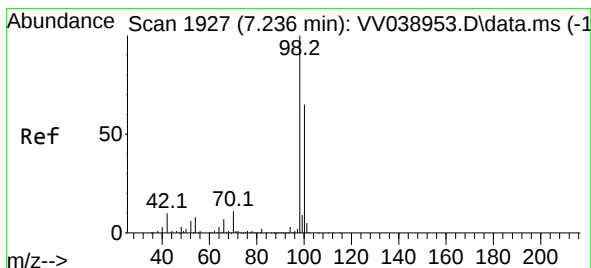
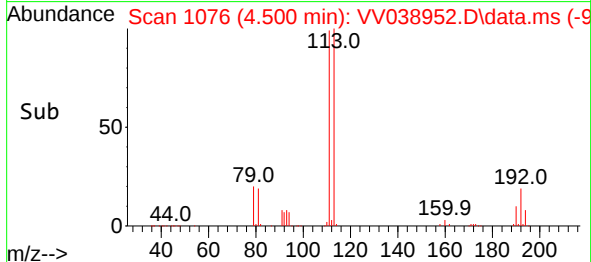
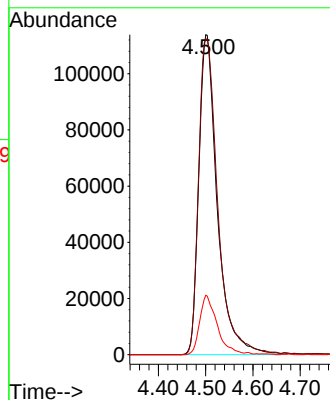
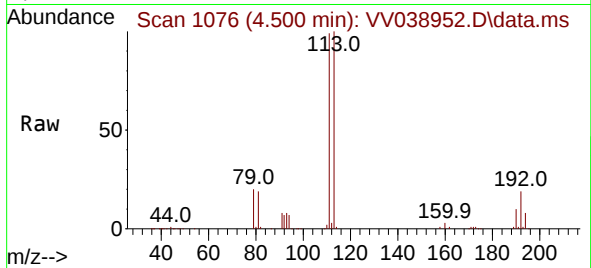




#35
Dibromofluoromethane
Concen: 53.267 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. -0.000 min
Lab File: VV038952.D
Acq: 13 Aug 2025 15:02

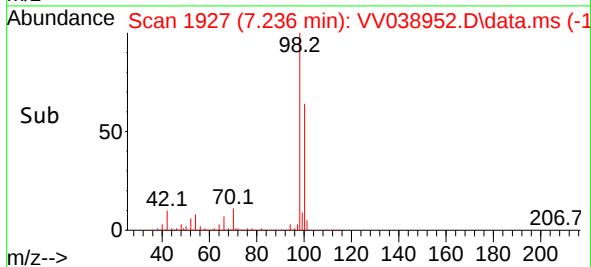
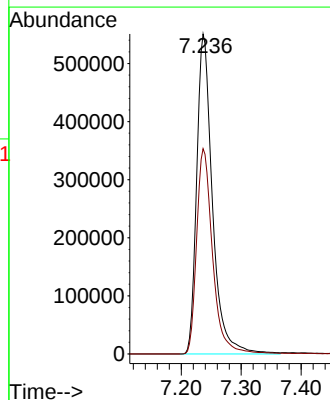
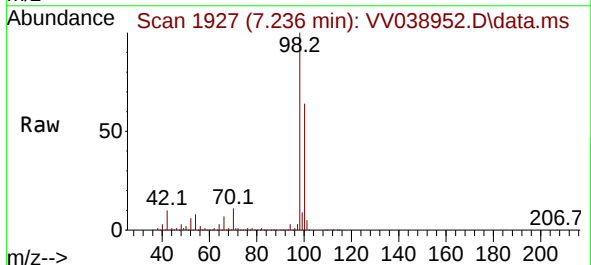
Instrument :
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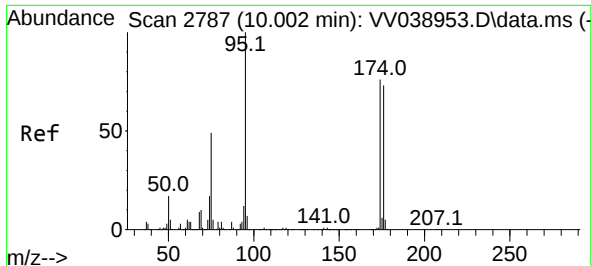
Tgt Ion:113 Resp: 309373
Ion Ratio Lower Upper
113 100
111 102.6 83.4 125.2
192 17.4 14.8 22.2



#50
Toluene-d8
Concen: 49.728 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV038952.D
Acq: 13 Aug 2025 15:02

Tgt Ion: 98 Resp: 1006159
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.6

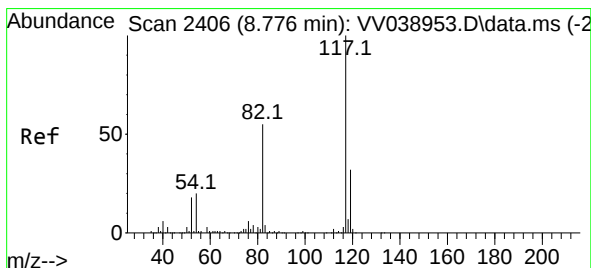
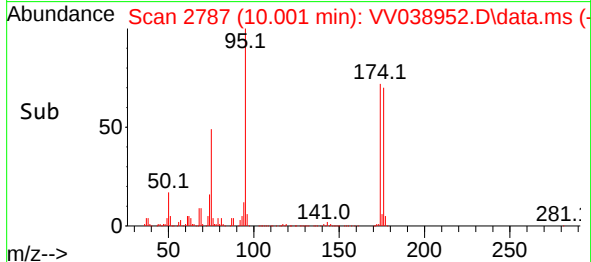
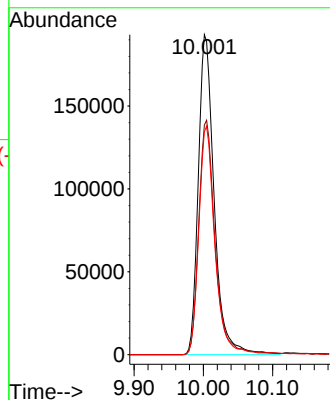
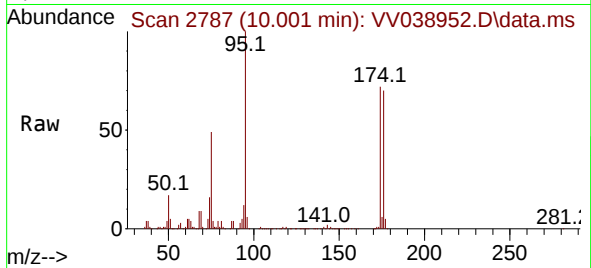




#62
4-Bromofluorobenzene
Concen: 41.925 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV038952.D
Acq: 13 Aug 2025 15:02

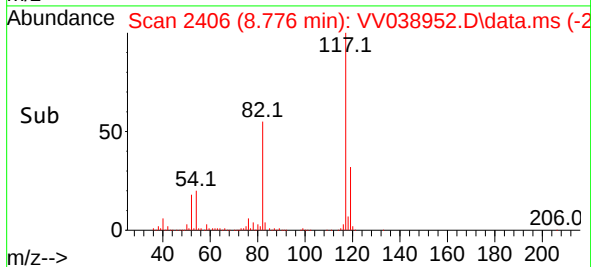
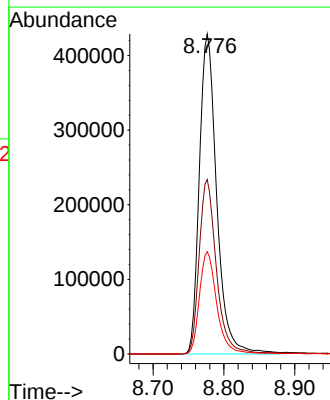
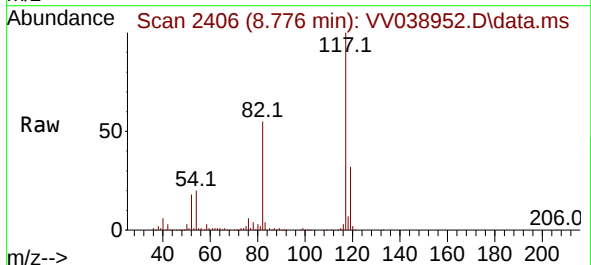
Instrument :
MSVOA_V
ClientSampleId :
VIBLK

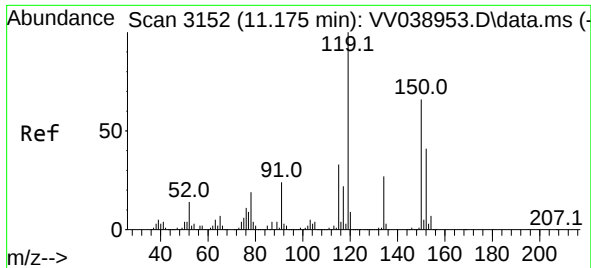
Tgt Ion: 95 Resp: 308216
Ion Ratio Lower Upper
95 100
174 74.9 0.0 152.4
176 72.0 0.0 144.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. -0.000 min
Lab File: VV038952.D
Acq: 13 Aug 2025 15:02

Tgt Ion: 117 Resp: 729910
Ion Ratio Lower Upper
117 100
82 54.5 44.1 66.1
119 32.0 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.175 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV038952.D
 Acq: 13 Aug 2025 15:02

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK

Tgt Ion:152 Resp: 302852
 Ion Ratio Lower Upper
 152 100
 115 60.7 42.8 128.3
 150 157.1 0.0 349.6

