

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV071625\
 Data File : VV038902.D
 Acq On : 16 Jul 2025 11:49
 Operator : SY/MD
 Sample : VV0716WBL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0716WBL01

Quant Time: Jul 17 06:12:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 06:08:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.597	168	528643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	928044	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	804881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	299785	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	368229	57.009	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	114.020%
35) Dibromofluoromethane	4.500	113	309285	48.880	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	97.760%
50) Toluene-d8	7.236	98	990147	51.770	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	103.540%
62) 4-Bromofluorobenzene	10.001	95	331749	43.058	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	86.120%

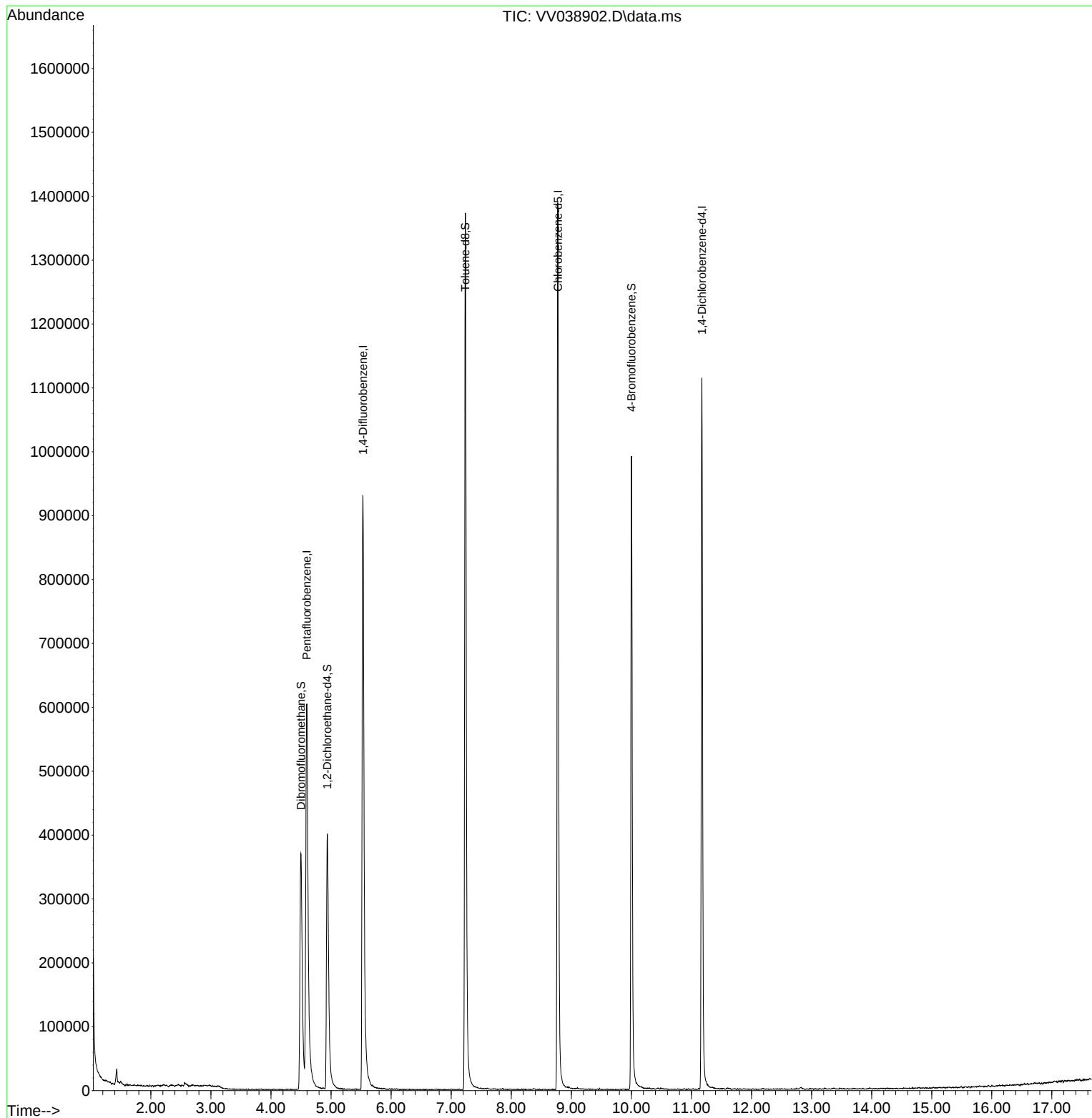
Target Compounds	Qvalue

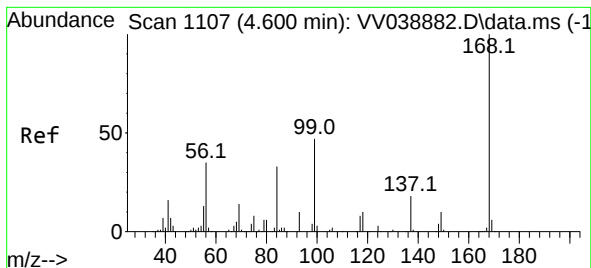
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.597 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VV038902.D

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Instrument :

MSVOA_V

ClientSampleId :

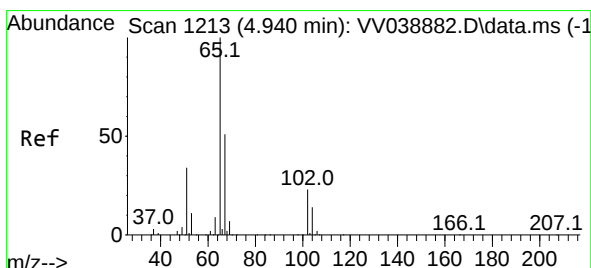
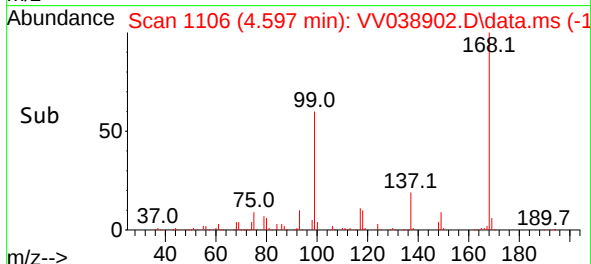
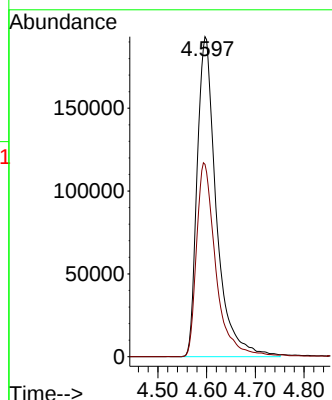
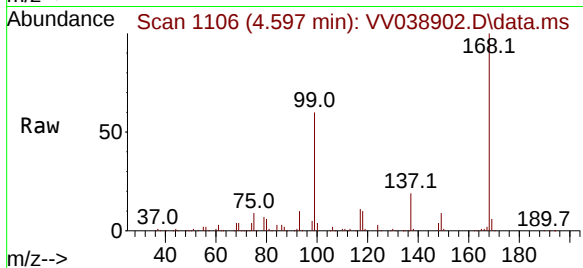
VV0716WBL01

Tgt Ion:168 Resp: 528643

Ion Ratio Lower Upper

168 100

99 60.1 48.6 73.0



#33

1,2-Dichloroethane-d4

Concen: 57.009 ug/l

RT: 4.937 min Scan# 1212

Delta R.T. -0.003 min

Lab File: VV038902.D

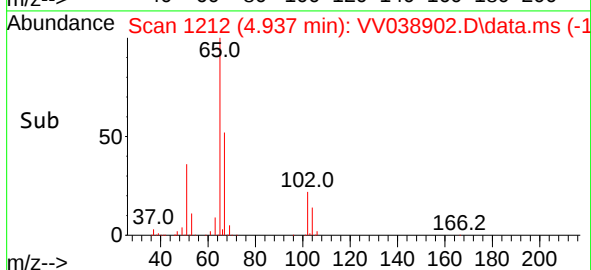
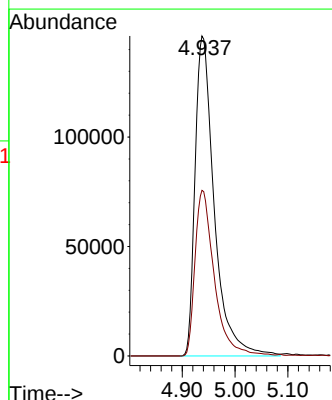
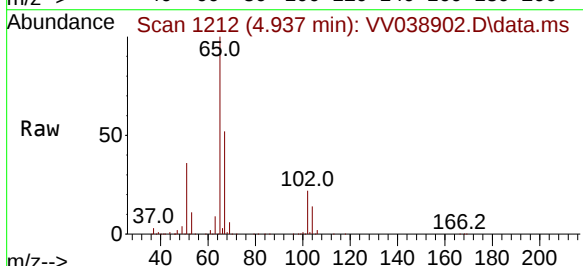
Acq: 16 Jul 2025 11:49

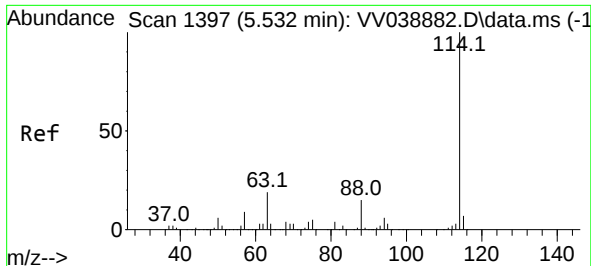
Tgt Ion: 65 Resp: 368229

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV038902.D

Acq: 16 Jul 2025 11:49

Instrument :

MSVOA_V

ClientSampleId :

VV0716WBL01

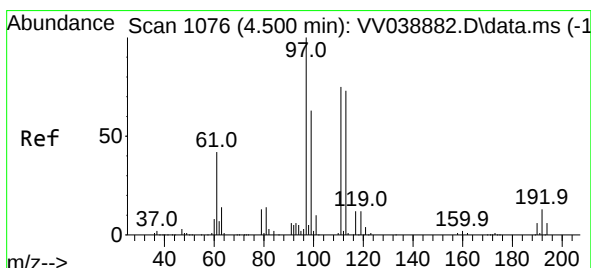
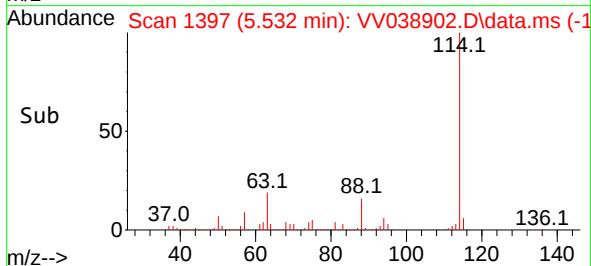
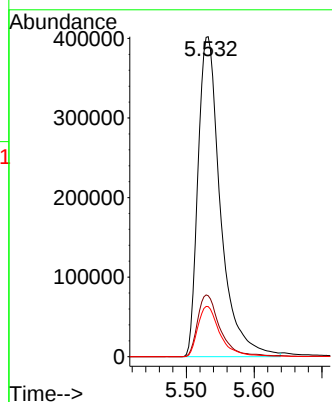
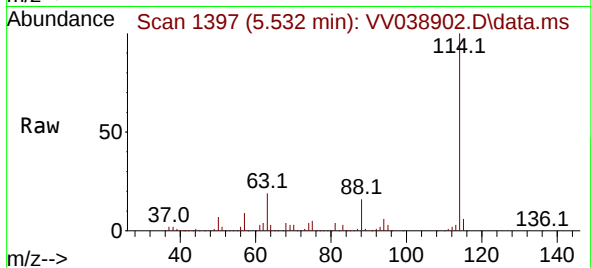
Tgt Ion:114 Resp: 928044

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.2

88 15.7 0.0 30.8



#35

Dibromofluoromethane

Concen: 48.880 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV038902.D

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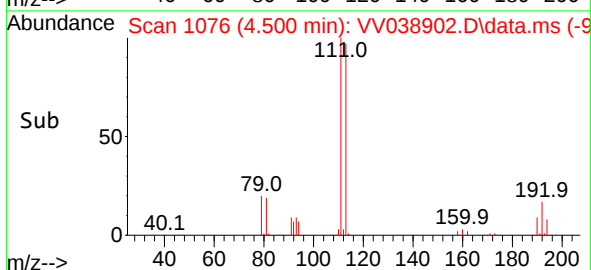
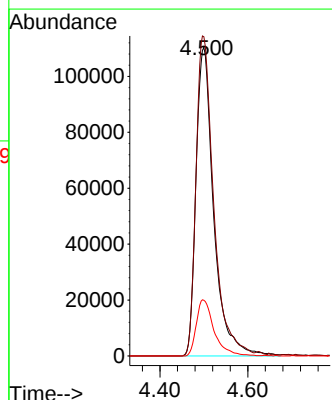
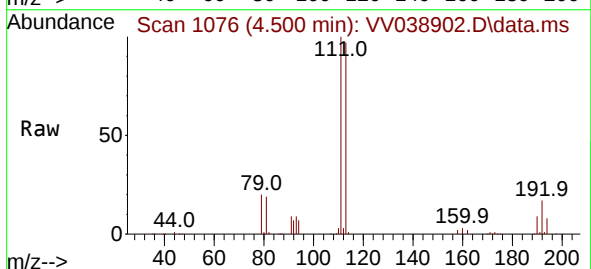
Tgt Ion:113 Resp: 309285

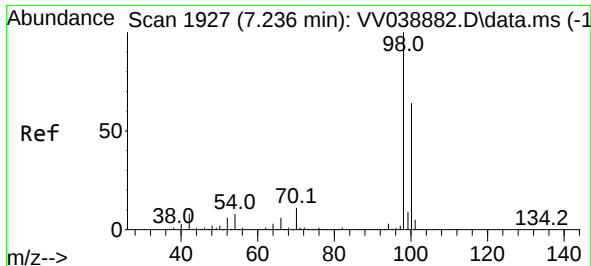
Ion Ratio Lower Upper

113 100

111 103.4 83.3 124.9

192 18.3 14.2 21.4

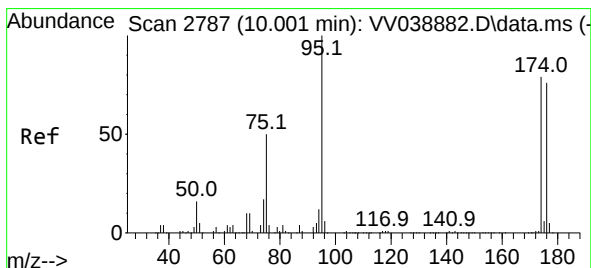
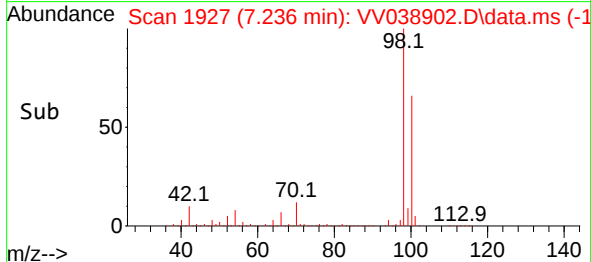
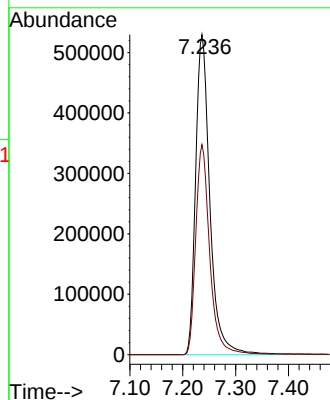
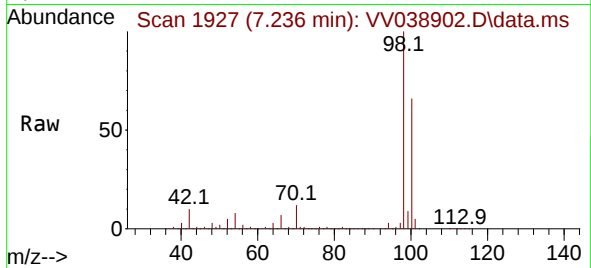




#50
Toluene-d8
Concen: 51.770 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV038902.D
Acq: 16 Jul 2025 11:49

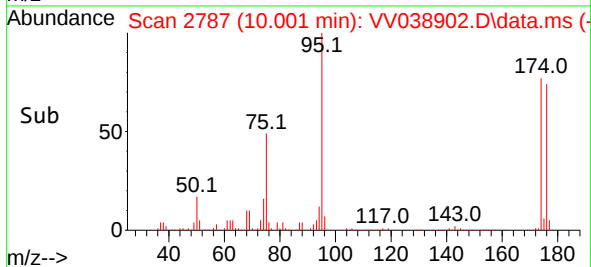
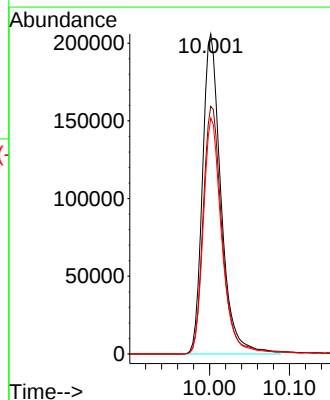
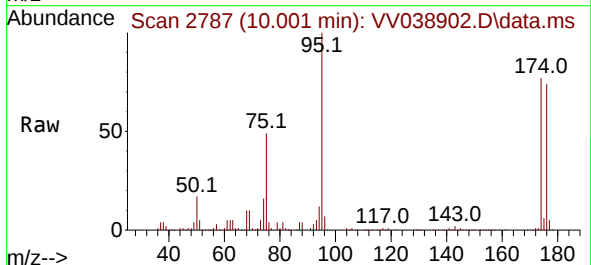
Instrument :
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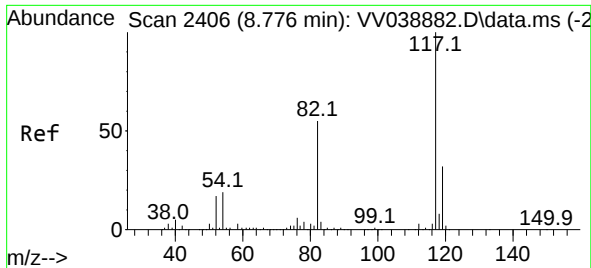
Tgt Ion: 98 Resp: 990147
Ion Ratio Lower Upper
98 100
100 64.6 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 43.058 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.000 min
Lab File: VV038902.D
Acq: 16 Jul 2025 11:49

Tgt Ion: 95 Resp: 331749
Ion Ratio Lower Upper
95 100
174 80.2 0.0 160.0
176 74.3 0.0 152.2

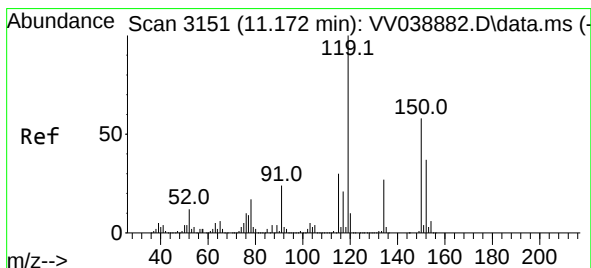
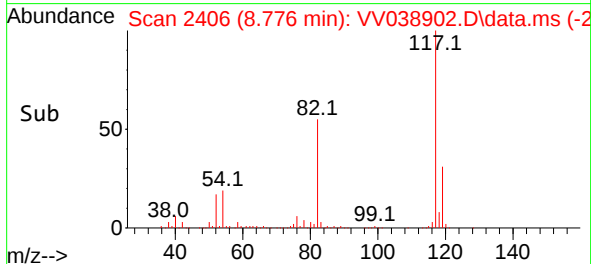
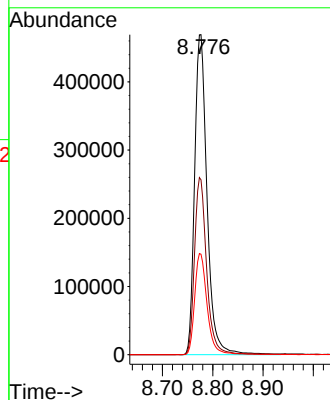
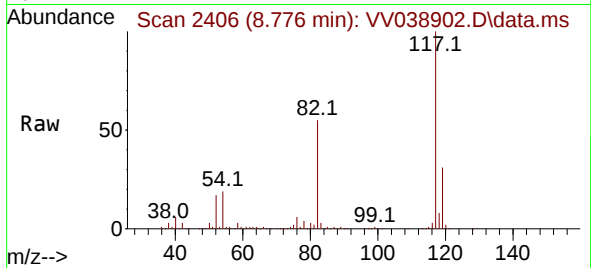




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038902.D
Acq: 16 Jul 2025 11:49

Instrument :
MSVOA_V
ClientSampleId :
VV0716WBL01

Tgt Ion:117 Resp: 804881
Ion Ratio Lower Upper
117 100
82 54.6 43.7 65.5
119 31.4 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: VV038902.D
Acq: 16 Jul 2025 11:49

Tgt Ion:152 Resp: 299785
Ion Ratio Lower Upper
152 100
115 60.9 41.8 125.4
150 158.5 0.0 342.4

