

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038984.D
 Acq On : 21 Aug 2025 16:34
 Operator : SY/MD
 Sample : VV0821WBL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0821WBL01

Quant Time: Aug 22 04:32:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 04:15:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	502511	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	836910	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	730493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	318475	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	339699	48.177	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	96.360%
35) Dibromofluoromethane	4.503	113	274834	43.789	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	87.580%
50) Toluene-d8	7.236	98	950290	43.420	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	86.840%#
62) 4-Bromofluorobenzene	10.001	95	338753	42.310	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	84.620%#

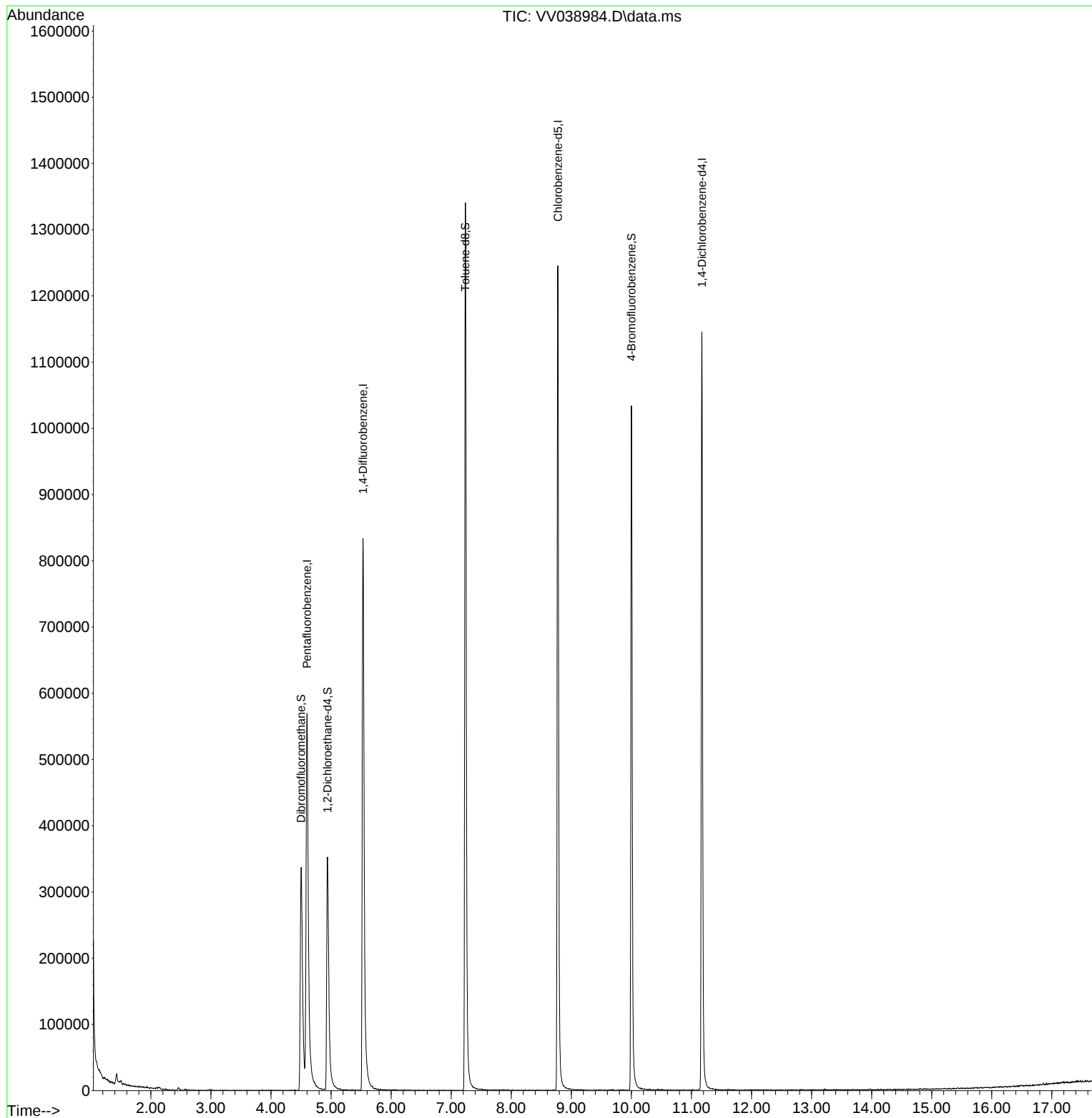
Target Compounds	Qvalue

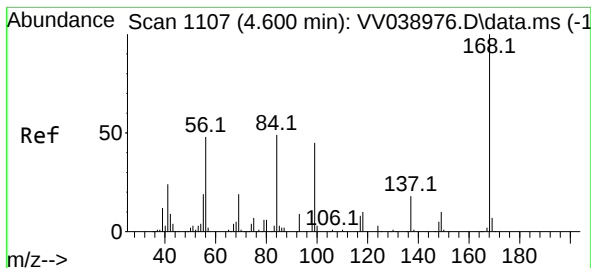
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VV038984.D

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Instrument :

MSVOA_V

ClientSampleId :

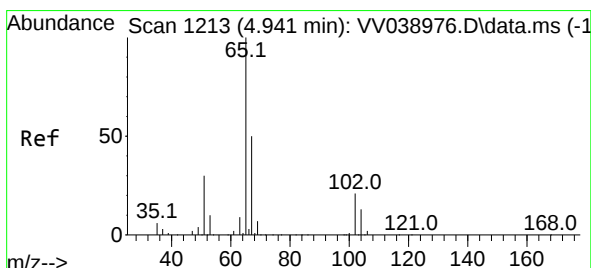
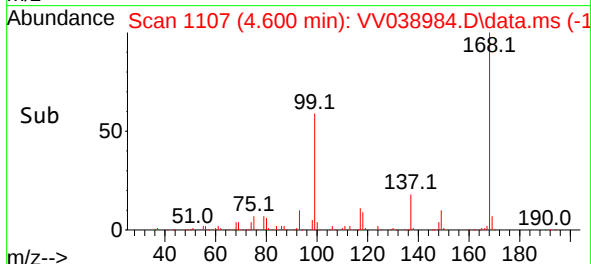
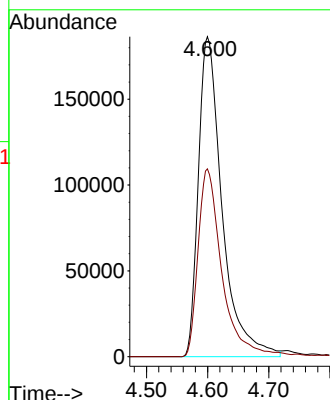
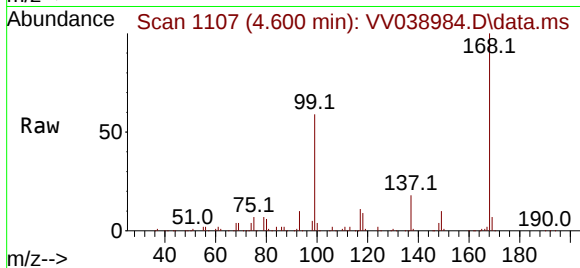
VV0821WBL01

Tgt Ion:168 Resp: 502511

Ion Ratio Lower Upper

168 100

99 58.7 47.0 70.6



#33

1,2-Dichloroethane-d4

Concen: 48.177 ug/l

RT: 4.940 min Scan# 1213

Delta R.T. -0.000 min

Lab File: VV038984.D

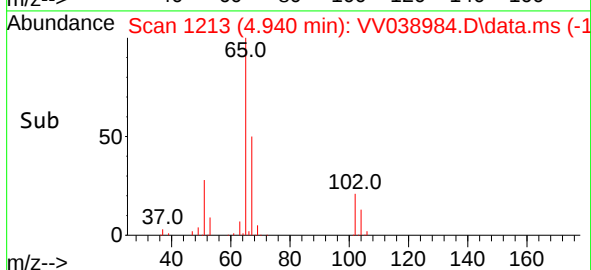
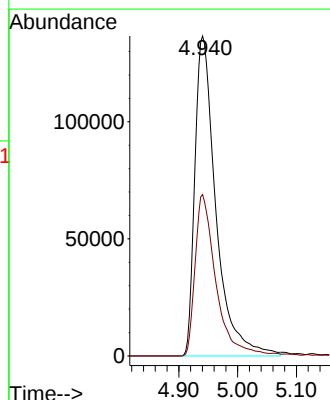
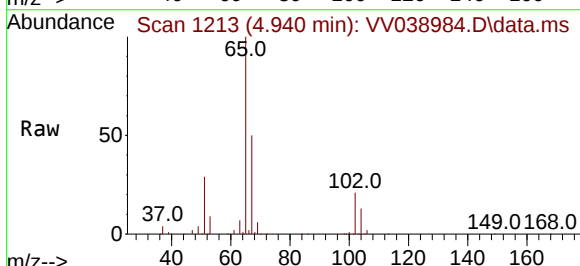
Acq: 21 Aug 2025 16:34

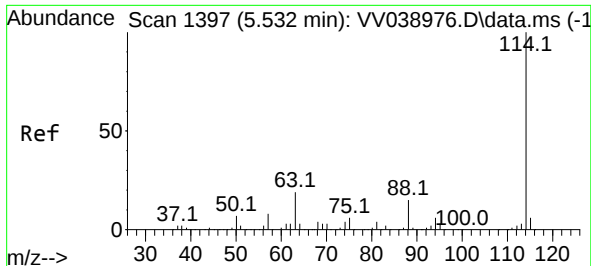
Tgt Ion: 65 Resp: 339699

Ion Ratio Lower Upper

65 100

67 49.5 0.0 100.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV038984.D

Acq: 21 Aug 2025 16:34

Instrument :

MSVOA_V

ClientSampleId :

VV0821WBL01

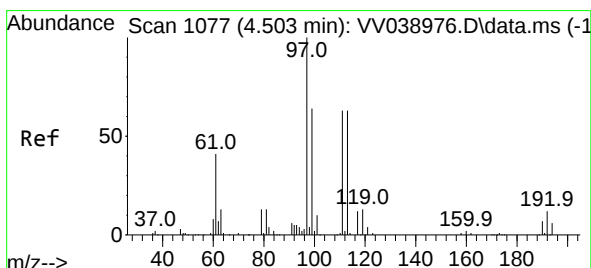
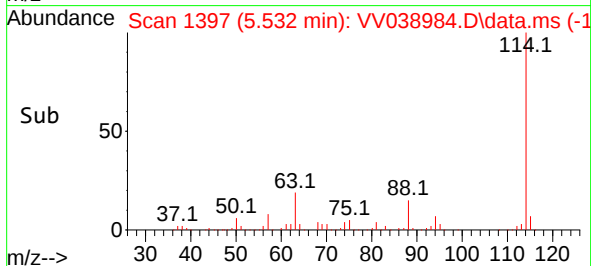
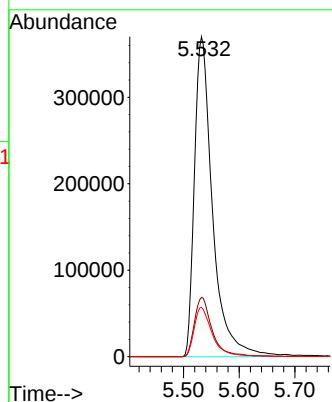
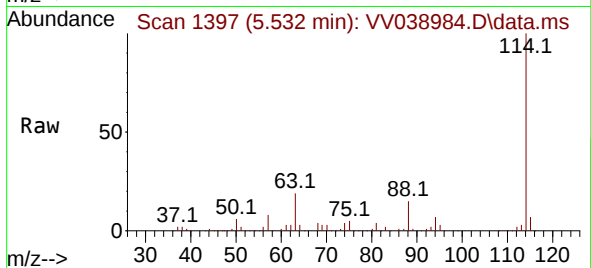
Tgt Ion:114 Resp: 836910

Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.4

88 15.4 0.0 30.4



#35

Dibromofluoromethane

Concen: 43.789 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VV038984.D

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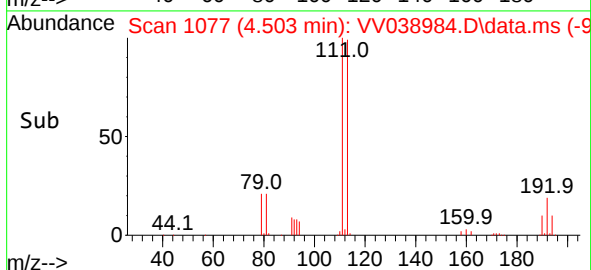
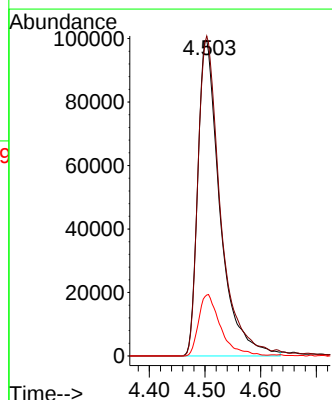
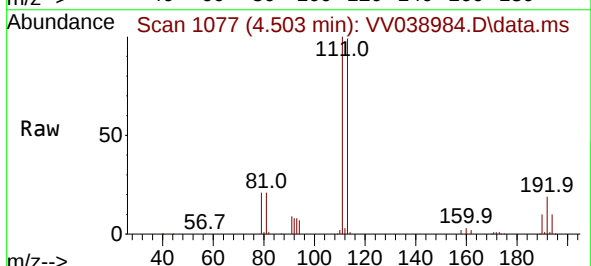
Tgt Ion:113 Resp: 274834

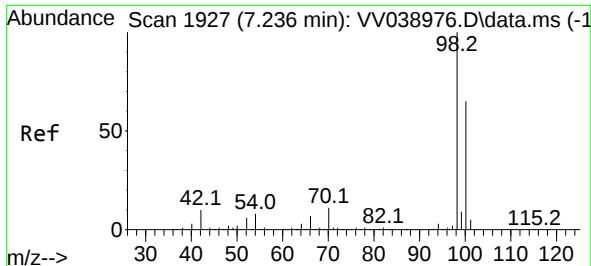
Ion Ratio Lower Upper

113 100

111 102.0 81.3 121.9

192 19.4 15.4 23.0

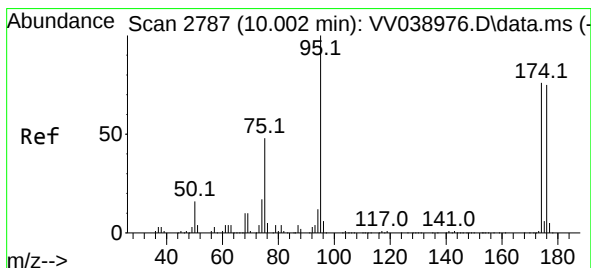
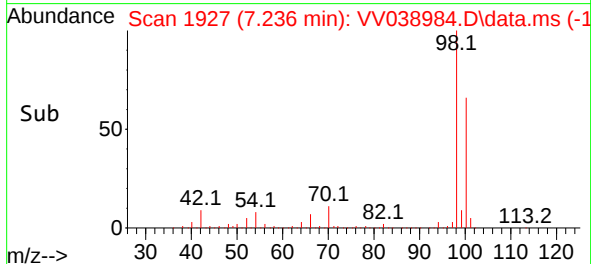
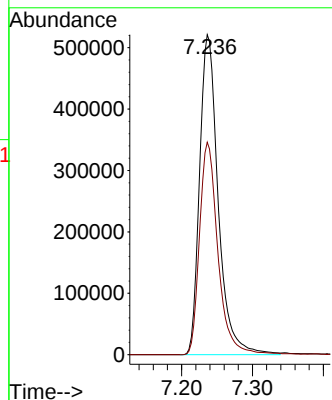
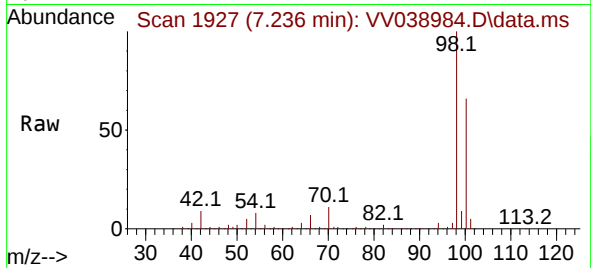




#50
Toluene-d8
Concen: 43.420 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

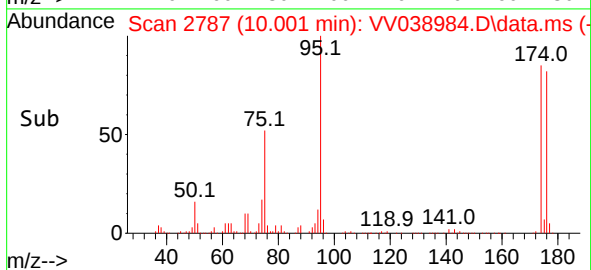
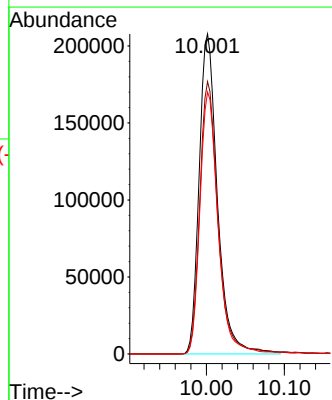
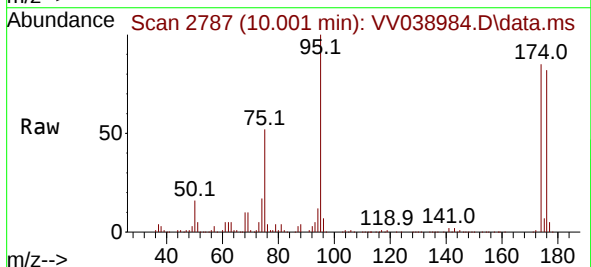
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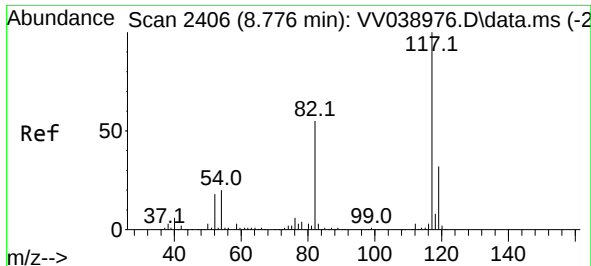
Tgt Ion: 98 Resp: 950290
Ion Ratio Lower Upper
98 100
100 66.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 42.310 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Tgt Ion: 95 Resp: 338753
Ion Ratio Lower Upper
95 100
174 85.2 0.0 154.4
176 81.1 0.0 148.6

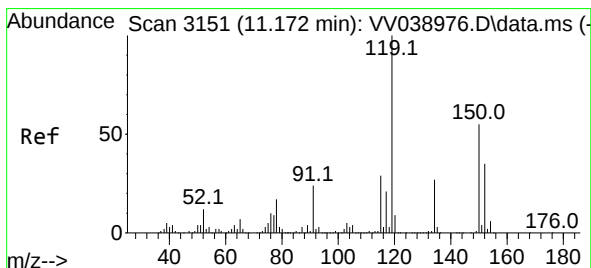
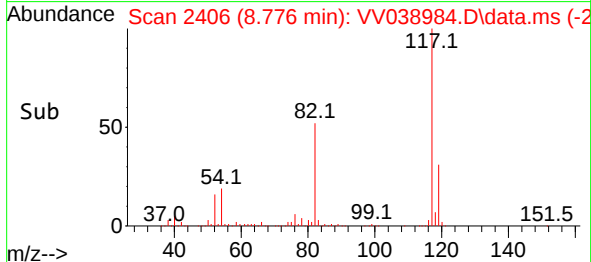
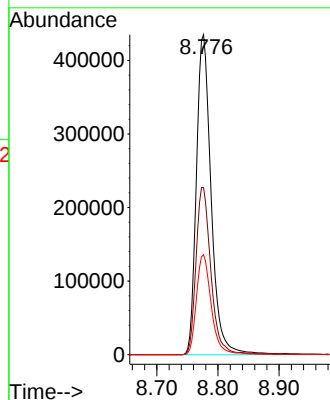
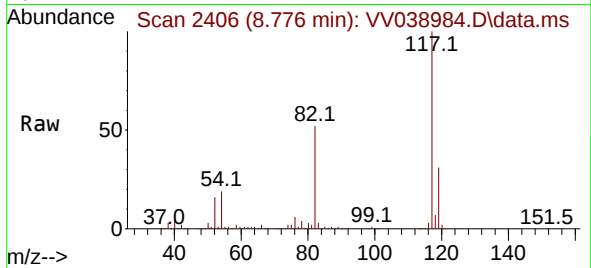




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Instrument :
MSVOA_V
ClientSampleId :
VV0821WBL01

Tgt Ion:117 Resp: 730493
Ion Ratio Lower Upper
117 100
82 52.2 44.4 66.6
119 31.2 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV038984.D
Acq: 21 Aug 2025 16:34

Tgt Ion:152 Resp: 318475
Ion Ratio Lower Upper
152 100
115 60.0 42.5 127.5
150 156.2 0.0 344.8

