

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV071525\
 Data File : VV038892.D
 Acq On : 15 Jul 2025 10:07
 Operator : SY/MD
 Sample : VV0715WBL02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0715WBL02

Quant Time: Jul 16 01:42:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 16 01:18:54 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	498048	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	865959	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	775960	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	336351	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	340505	55.955	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	111.920%
35) Dibromofluoromethane	4.503	113	285446	48.347	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	96.700%
50) Toluene-d8	7.236	98	924379	51.796	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	103.600%
62) 4-Bromofluorobenzene	10.001	95	336144	46.757	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	93.520%

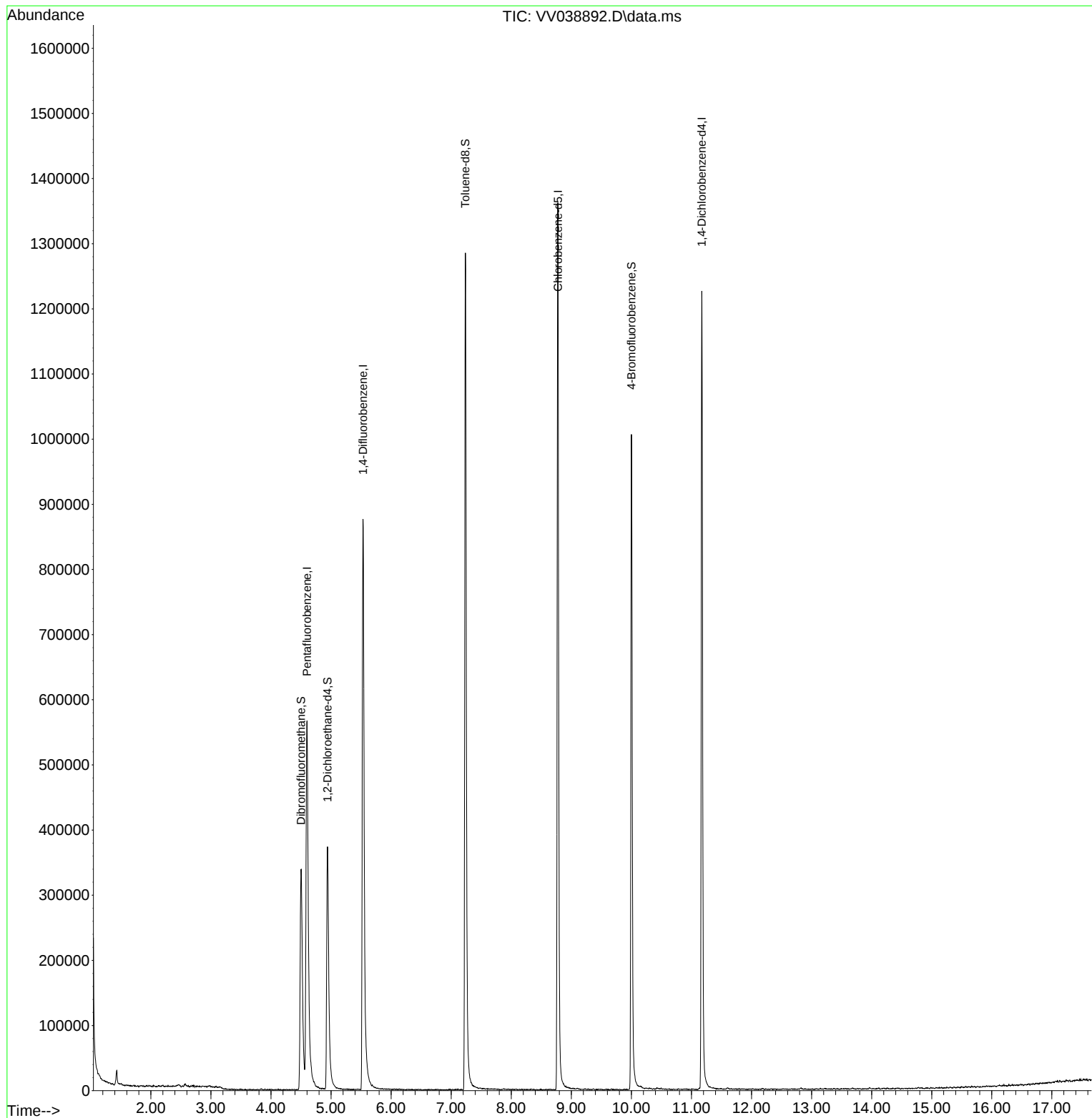
Target Compounds	Qvalue

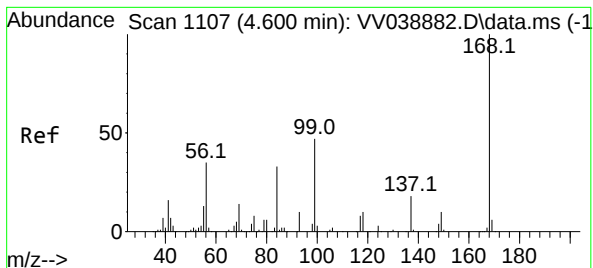
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VV038892.D

Acq: 15 Jul 2025 10:07

Instrument :

MSVOA_V

ClientSampleId :

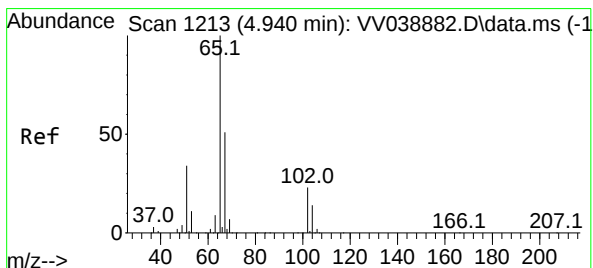
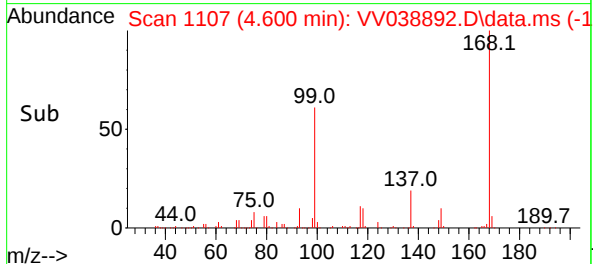
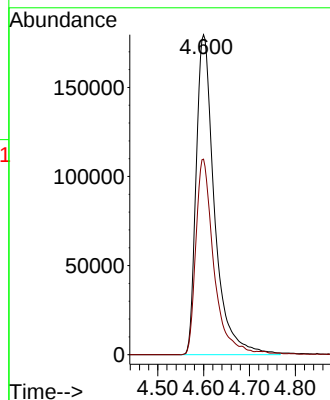
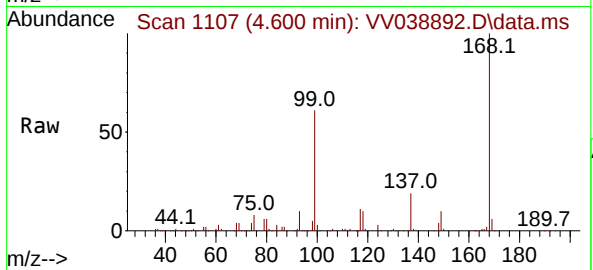
VV0715WBL02

Tgt Ion:168 Resp: 498048

Ion Ratio Lower Upper

168 100

99 61.1 48.6 73.0



#33

1,2-Dichloroethane-d4

Concen: 55.955 ug/l

RT: 4.940 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VV038892.D

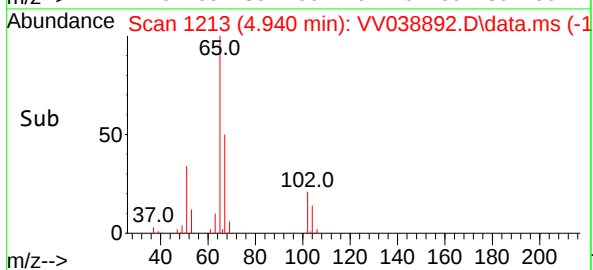
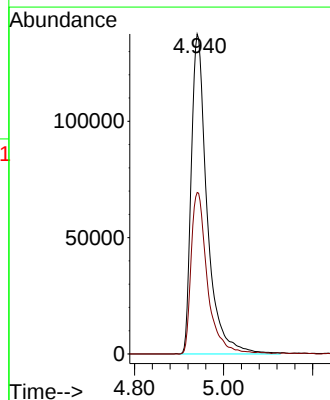
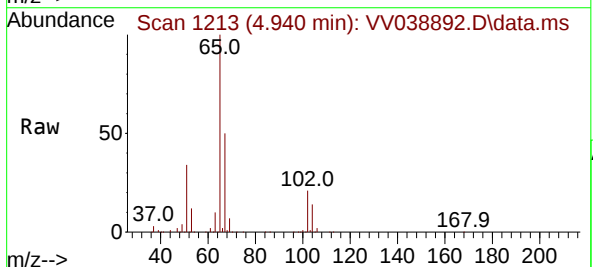
Acq: 15 Jul 2025 10:07

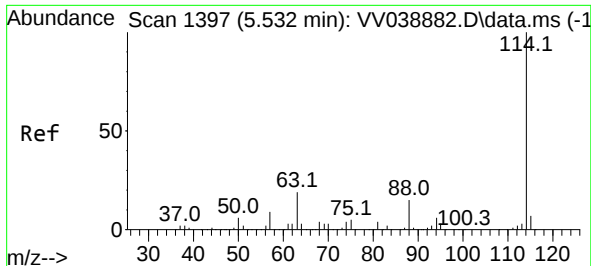
Tgt Ion: 65 Resp: 340505

Ion Ratio Lower Upper

65 100

67 51.8 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: VV038892.D

Acq: 15 Jul 2025 10:07

Instrument :

MSVOA_V

ClientSampleId :

VV0715WBL02

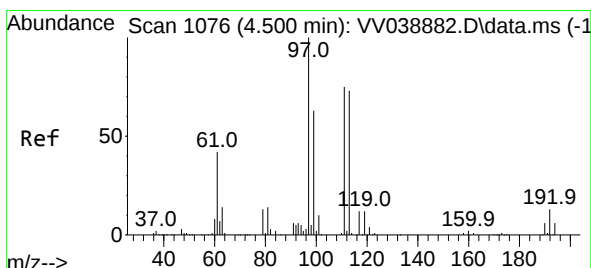
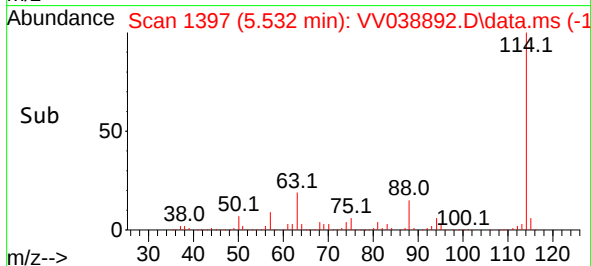
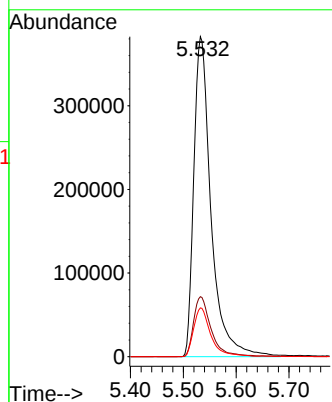
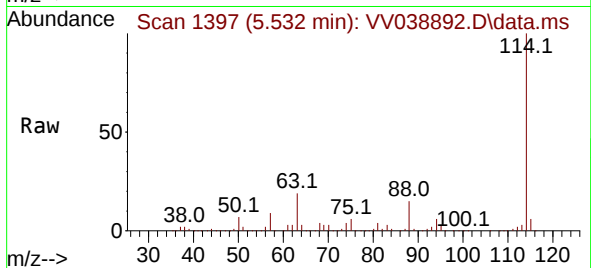
Tgt Ion:114 Resp: 865959

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.2

88 15.2 0.0 30.8



#35

Dibromofluoromethane

Concen: 48.347 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV038892.D

Acq: 15 Jul 2025 10:07

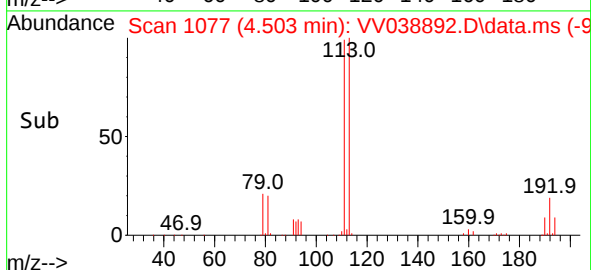
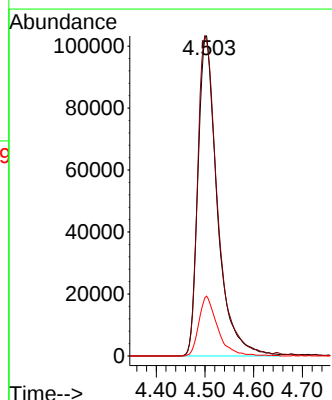
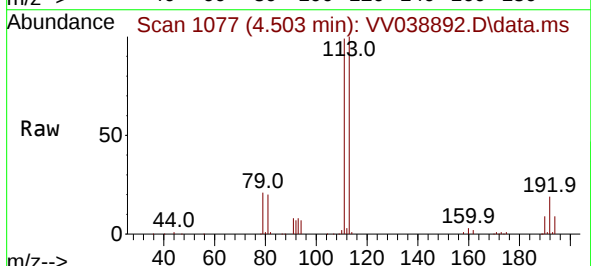
Tgt Ion:113 Resp: 285446

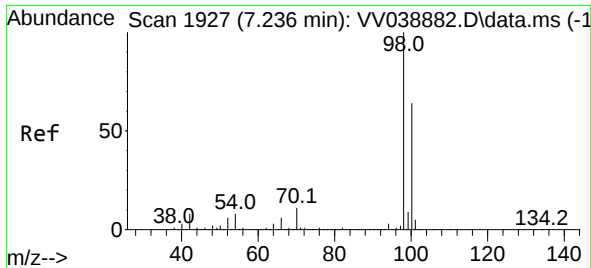
Ion Ratio Lower Upper

113 100

111 101.9 83.3 124.9

192 18.0 14.2 21.4

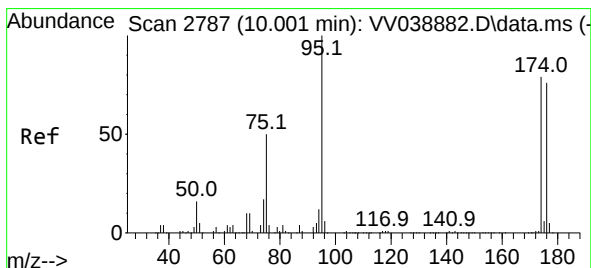
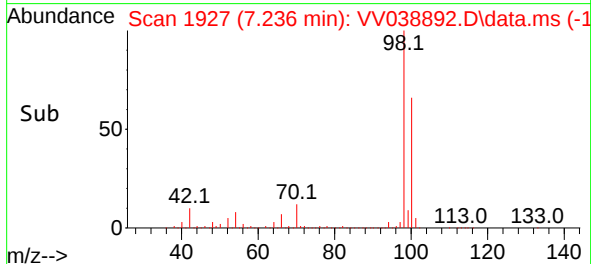
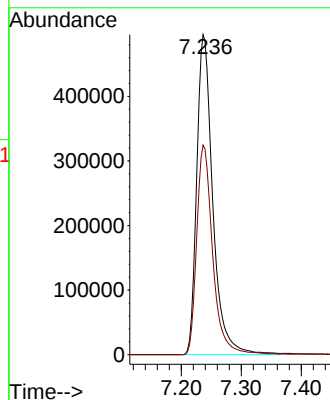
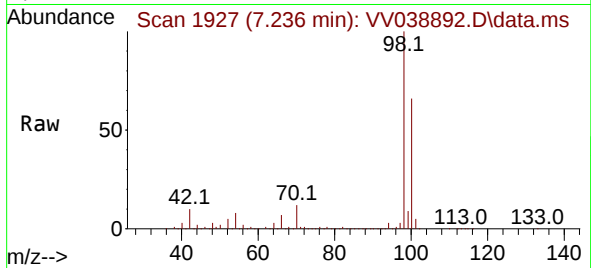




#50
Toluene-d8
Concen: 51.796 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV038892.D
Acq: 15 Jul 2025 10:07

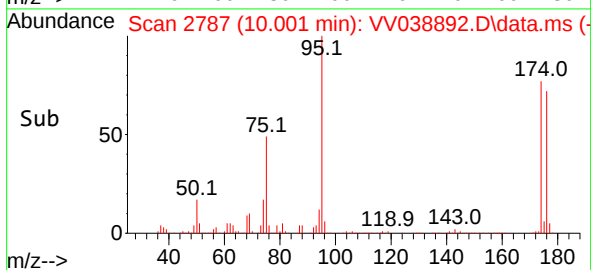
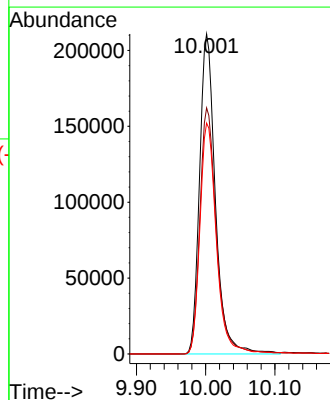
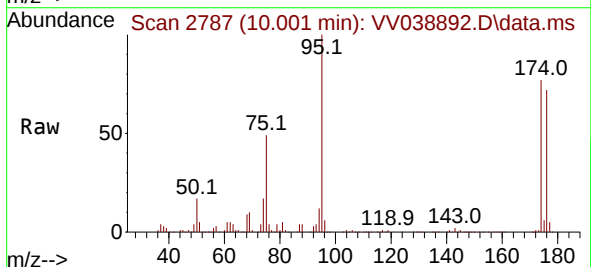
Instrument :
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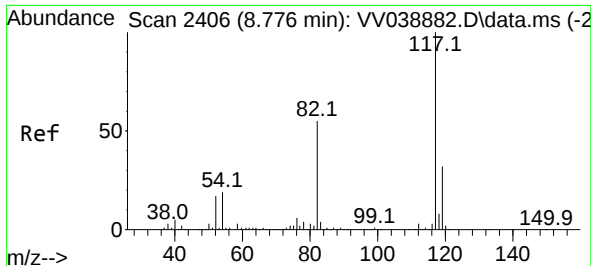
Tgt Ion: 98 Resp: 924379
Ion Ratio Lower Upper
98 100
100 65.4 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 46.757 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.000 min
Lab File: VV038892.D
Acq: 15 Jul 2025 10:07

Tgt Ion: 95 Resp: 336144
Ion Ratio Lower Upper
95 100
174 79.8 0.0 160.0
176 74.8 0.0 152.2

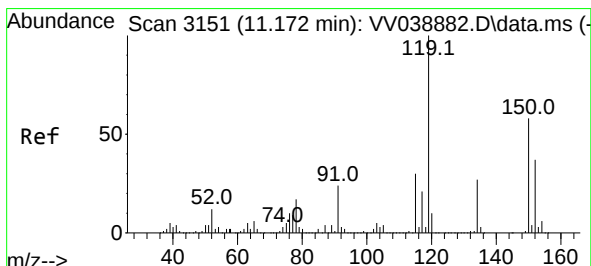
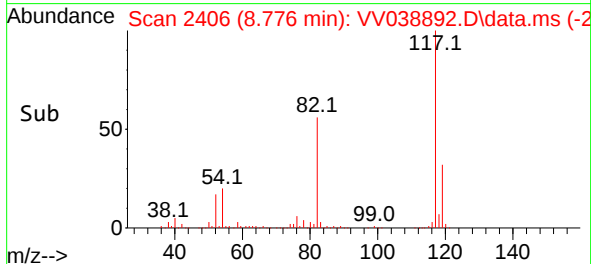
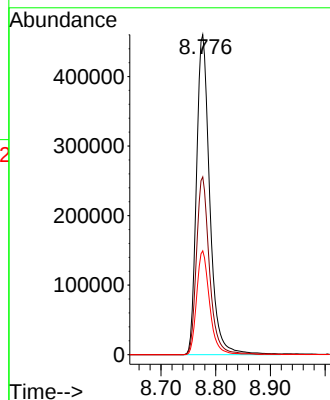
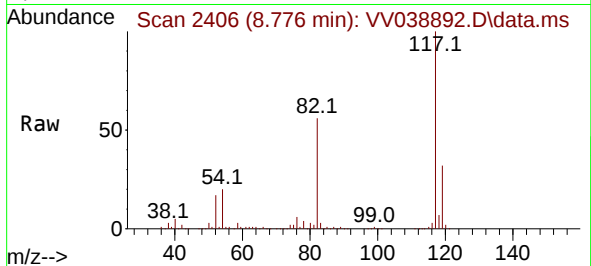




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038892.D
Acq: 15 Jul 2025 10:07

Instrument :
MSVOA_V
ClientSampleId :
VV0715WBL02

Tgt Ion:117 Resp: 775960
Ion Ratio Lower Upper
117 100
82 55.6 43.7 65.5
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV038892.D
Acq: 15 Jul 2025 10:07

Tgt Ion:152 Resp: 336351
Ion Ratio Lower Upper
152 100
115 59.9 41.8 125.4
150 157.8 0.0 342.4

