

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070225\
 Data File : VV038840.D
 Acq On : 02 Jul 2025 15:12
 Operator : SY/MD
 Sample : VV0702WBL02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0702WBL02

Quant Time: Jul 03 03:01:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 02:44:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	452450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	790729	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	730953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	354386	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	290795	57.347	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	114.700%
35) Dibromofluoromethane	4.503	113	261265	52.163	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	104.320%
50) Toluene-d8	7.239	98	733615	45.271	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	90.540%
62) 4-Bromofluorobenzene	10.001	95	274304	41.897	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	83.800%#

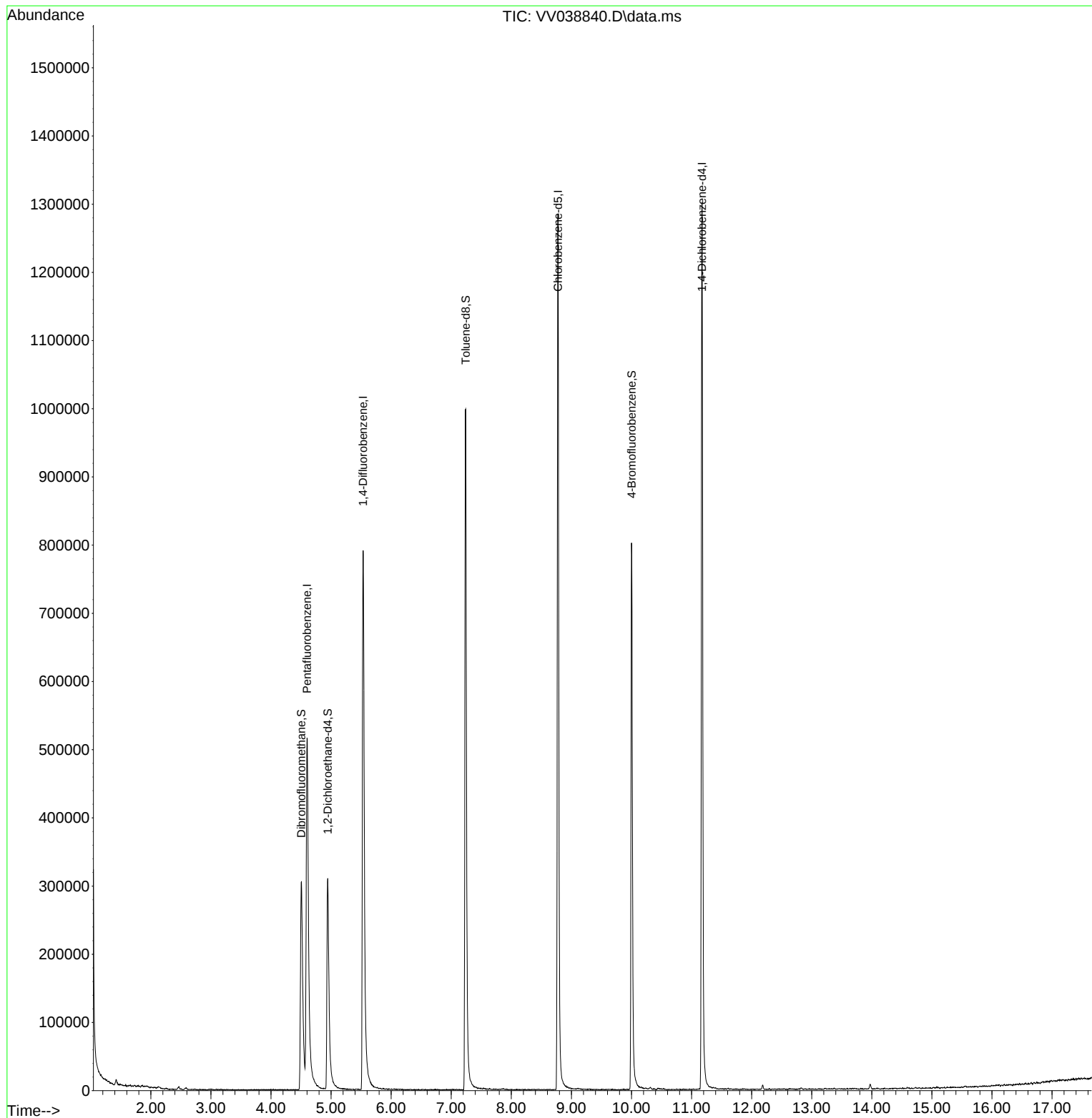
Target Compounds	Qvalue

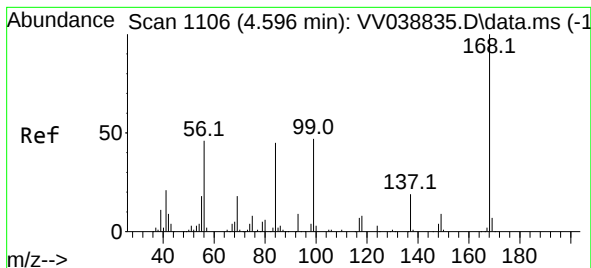
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 1106

Delta R.T. 0.004 min

Lab File: VV038840.D

Acq: 02 Jul 2025 15:12

Instrument :

MSVOA_V

ClientSampleId :

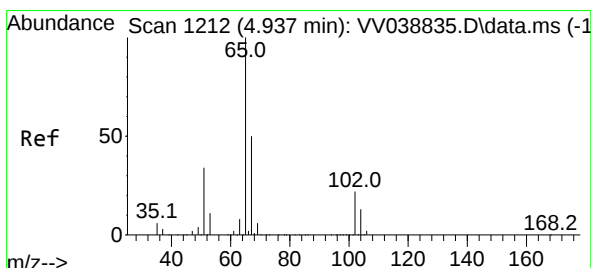
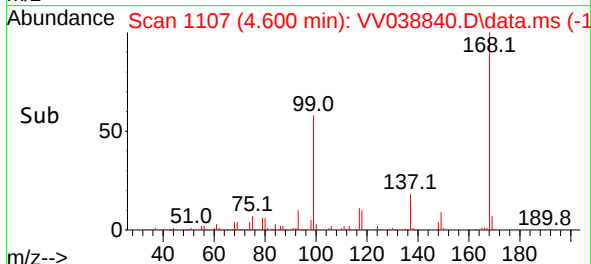
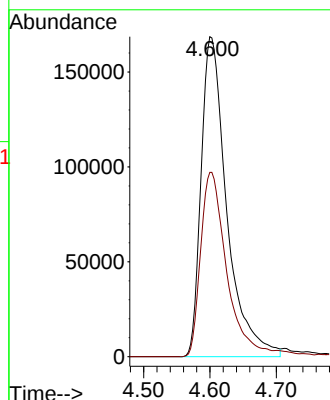
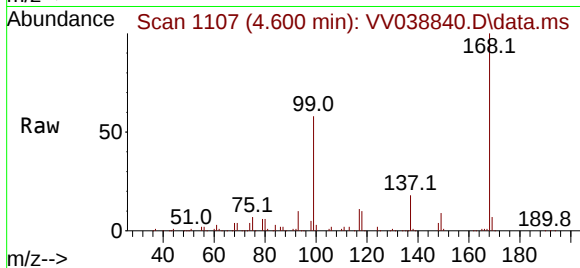
VV0702WBL02

Tgt Ion:168 Resp: 452450

Ion Ratio Lower Upper

168 100

99 57.6 48.6 73.0



#33

1,2-Dichloroethane-d4

Concen: 57.347 ug/l

RT: 4.944 min Scan# 1214

Delta R.T. 0.006 min

Lab File: VV038840.D

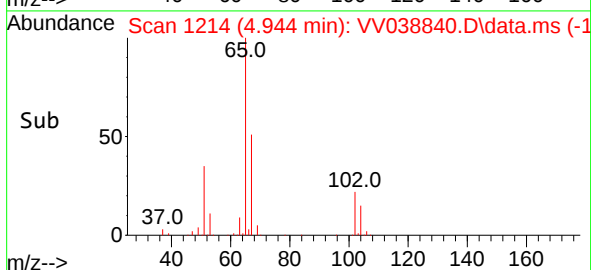
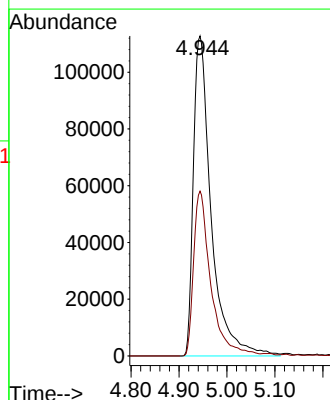
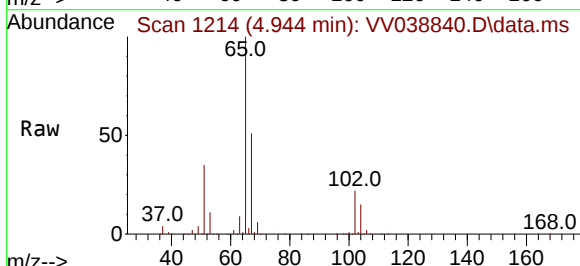
Acq: 02 Jul 2025 15:12

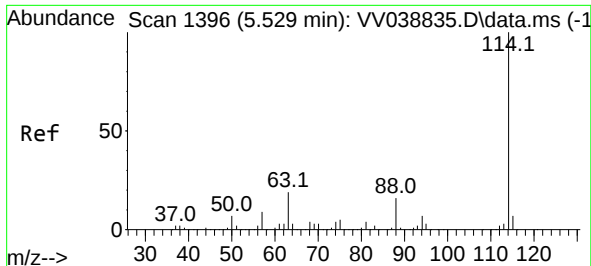
Tgt Ion: 65 Resp: 290795

Ion Ratio Lower Upper

65 100

67 49.7 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV038840.D

Acq: 02 Jul 2025 15:12

Instrument :

MSVOA_V

ClientSampleId :

VV0702WBL02

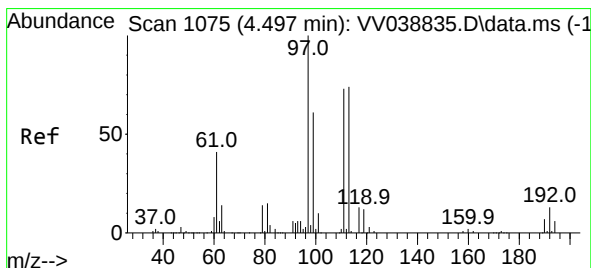
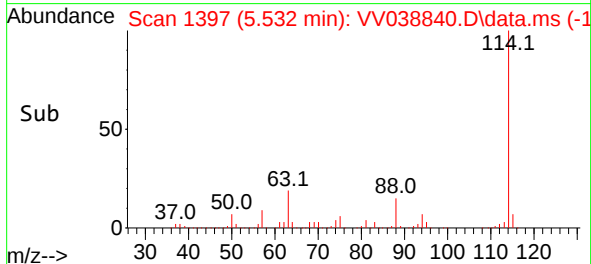
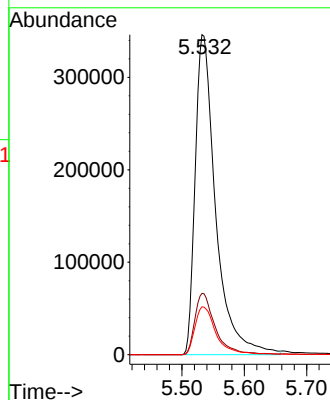
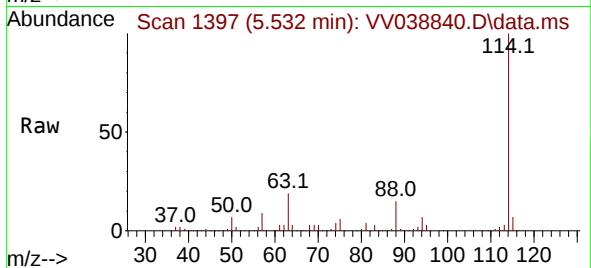
Tgt Ion:114 Resp: 790729

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 14.9 0.0 31.2



#35

Dibromofluoromethane

Concen: 52.163 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV038840.D

Acq: 02 Jul 2025 15:12

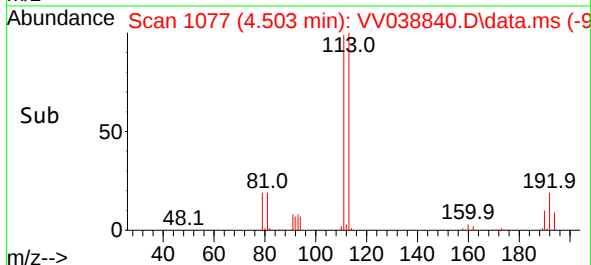
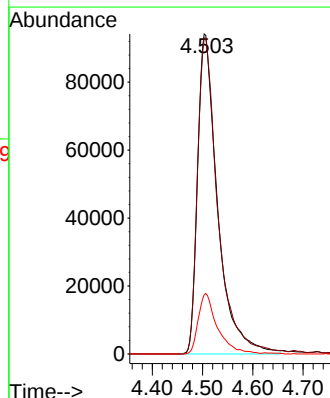
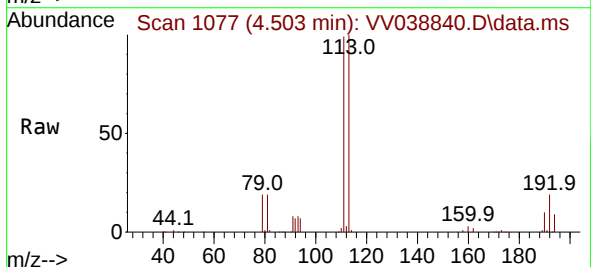
Tgt Ion:113 Resp: 261265

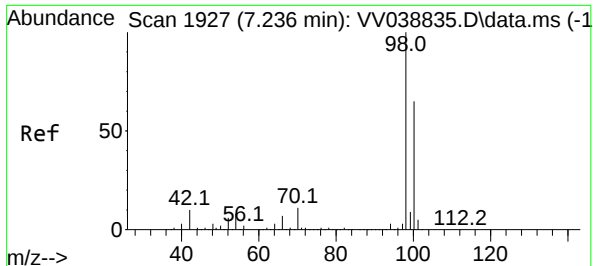
Ion Ratio Lower Upper

113 100

111 100.3 81.5 122.3

192 18.0 14.7 22.1

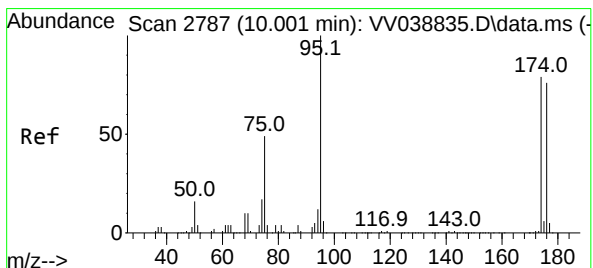
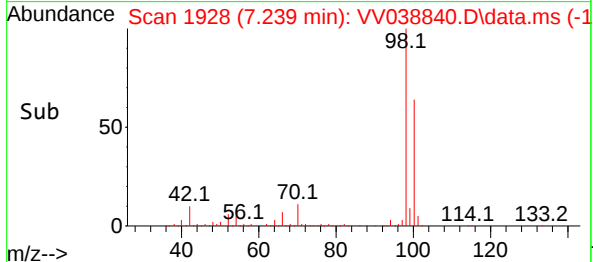
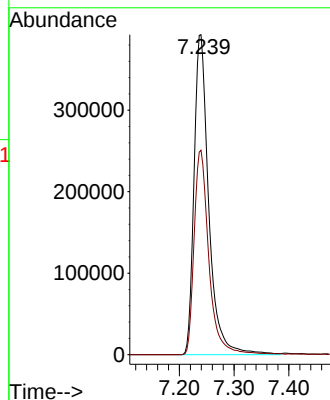
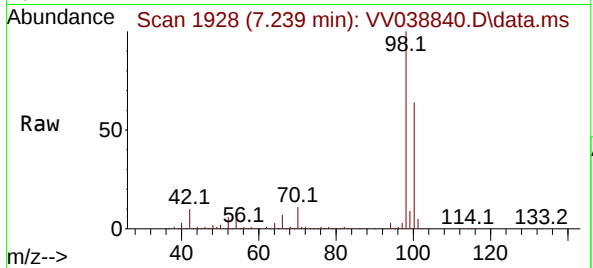




#50
Toluene-d8
Concen: 45.271 ug/l
RT: 7.239 min Scan# 1928
Delta R.T. 0.003 min
Lab File: VV038840.D
Acq: 02 Jul 2025 15:12

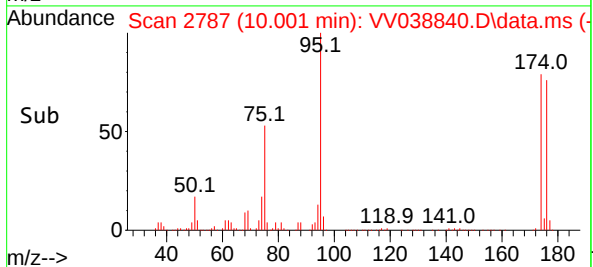
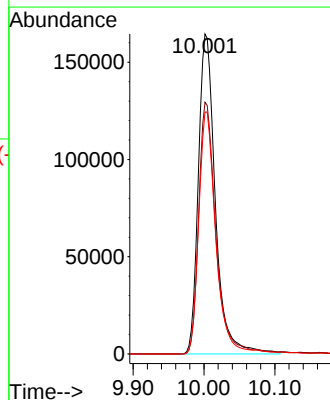
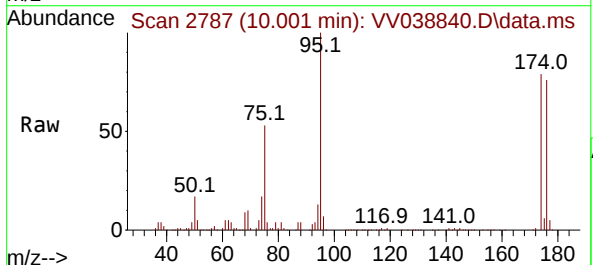
Instrument :
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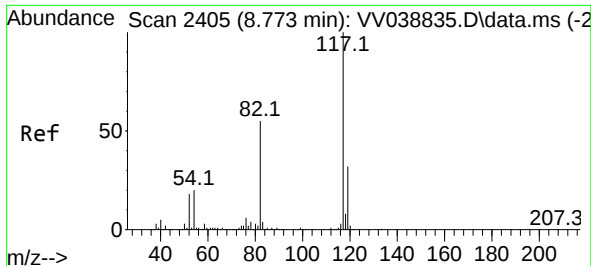
Tgt Ion: 98 Resp: 733615
Ion Ratio Lower Upper
98 100
100 64.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 41.897 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.000 min
Lab File: VV038840.D
Acq: 02 Jul 2025 15:12

Tgt Ion: 95 Resp: 274304
Ion Ratio Lower Upper
95 100
174 79.8 0.0 158.2
176 75.2 0.0 154.4

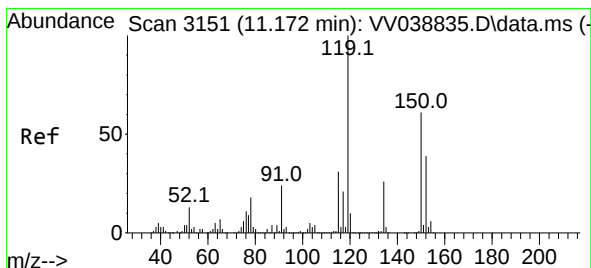
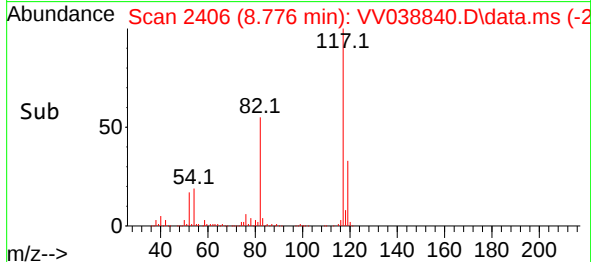
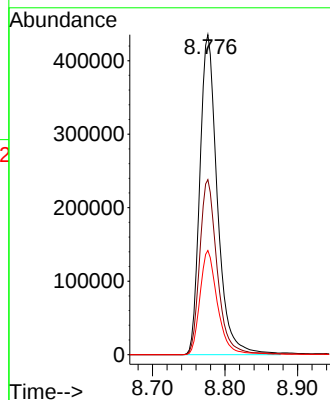
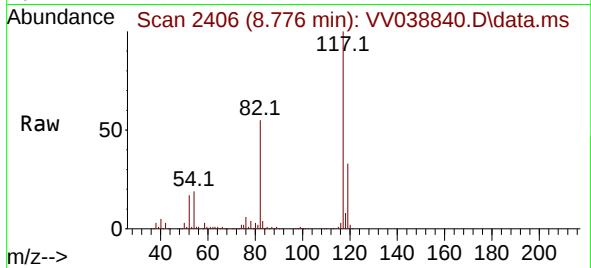




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.003 min
Lab File: VV038840.D
Acq: 02 Jul 2025 15:12

Instrument :
MSVOA_V
ClientSampleId :
VV0702WBL02

Tgt Ion:117 Resp: 730953
Ion Ratio Lower Upper
117 100
82 54.7 44.2 66.4
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV038840.D
Acq: 02 Jul 2025 15:12

Tgt Ion:152 Resp: 354386
Ion Ratio Lower Upper
152 100
115 60.8 42.0 126.0
150 158.3 0.0 343.6

