

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070225\
 Data File : VV038841.D
 Acq On : 02 Jul 2025 15:34
 Operator : SY/MD
 Sample : VV0702WBL03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0702WBL03

Quant Time: Jul 03 03:01:28 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	4.603	168	413719	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	724343	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	672085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	322277	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	254805	54.954	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	109.900%
35) Dibromofluoromethane	4.506	113	224163	48.857	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	97.720%
50) Toluene-d8	7.239	98	632653	42.619	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	85.240%#
62) 4-Bromofluorobenzene	10.001	95	235797	39.316	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	78.640%#

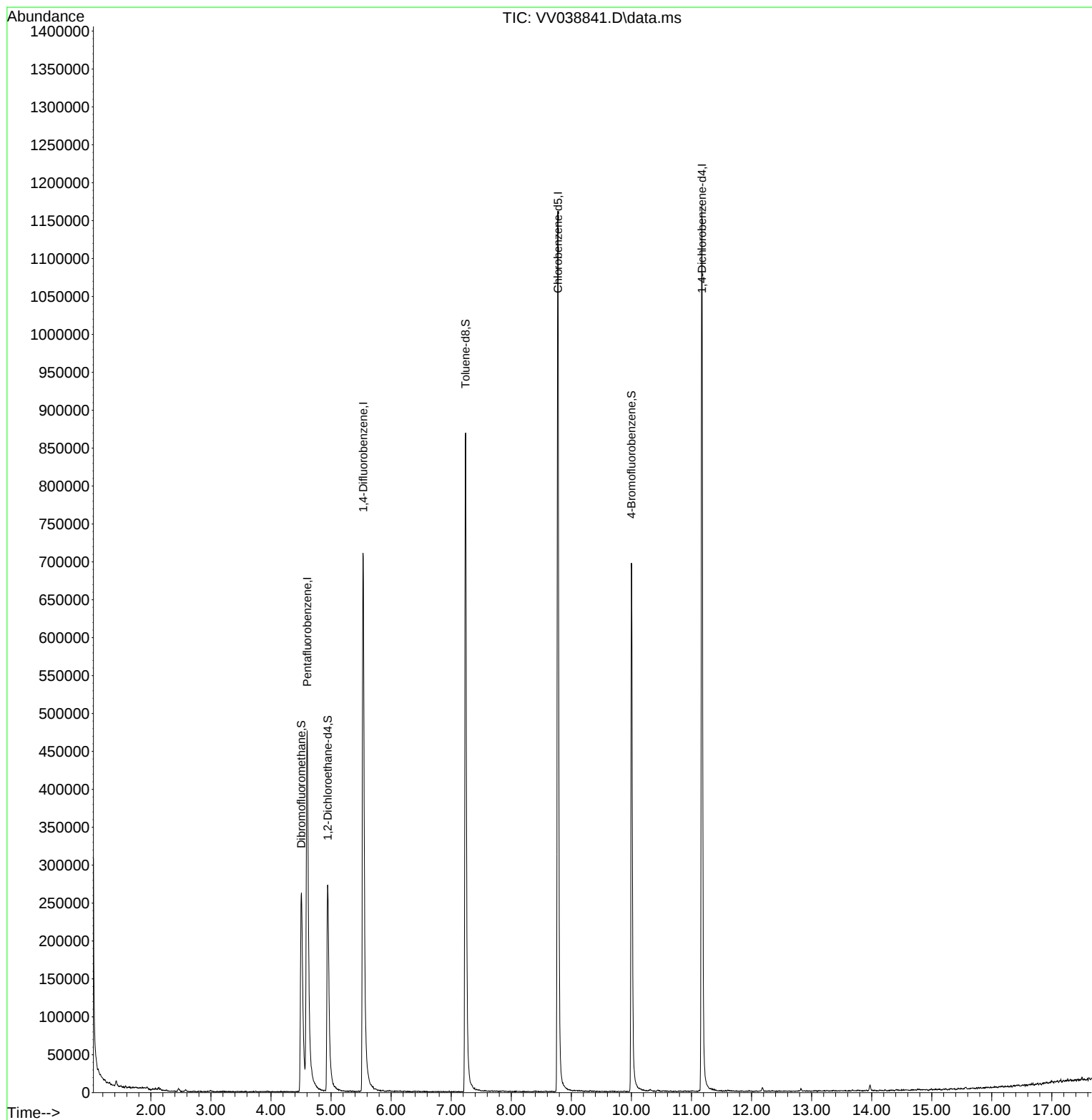
Target Compounds	Qvalue

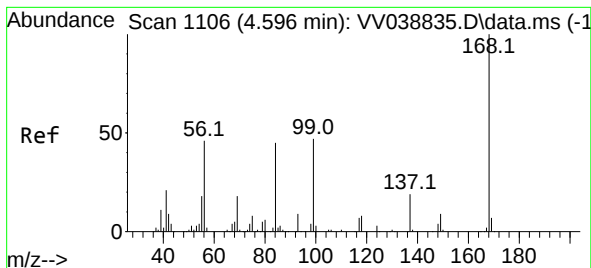
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.603 min Scan# 1106

Delta R.T. 0.007 min

Lab File: VV038841.D

Acq: 02 Jul 2025 15:34

Instrument :

MSVOA_V

ClientSampleId :

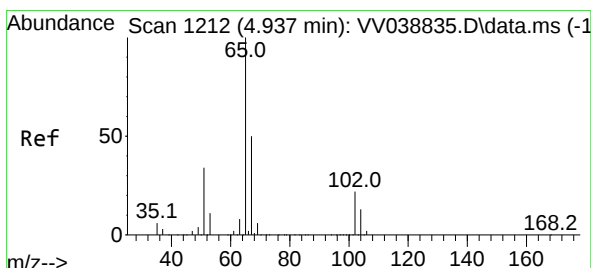
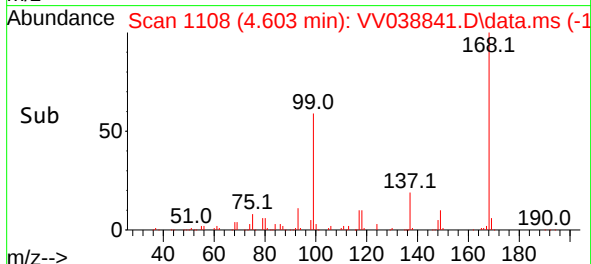
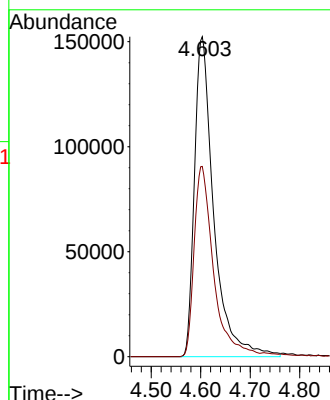
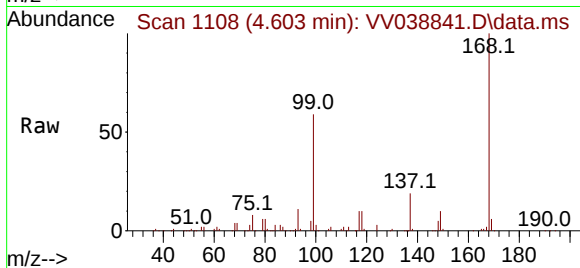
VV0702WBL03

Tgt Ion:168 Resp: 413719

Ion Ratio Lower Upper

168 100

99 59.5 48.6 73.0



#33

1,2-Dichloroethane-d4

Concen: 54.954 ug/l

RT: 4.944 min Scan# 1214

Delta R.T. 0.007 min

Lab File: VV038841.D

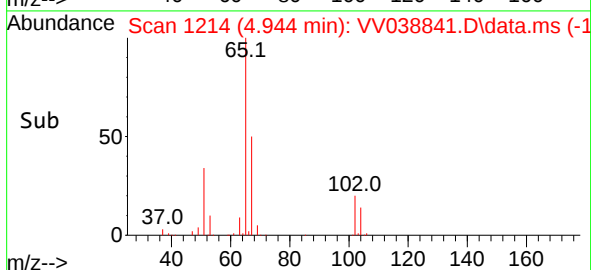
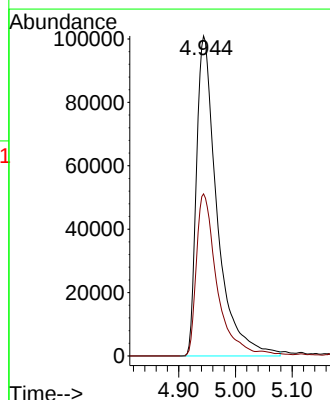
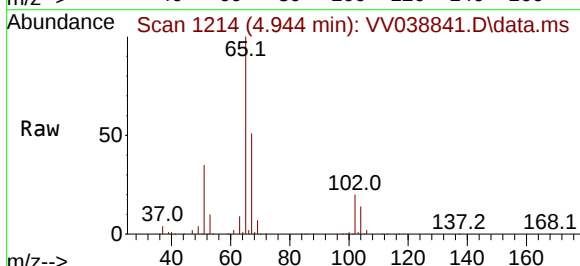
Acq: 02 Jul 2025 15:34

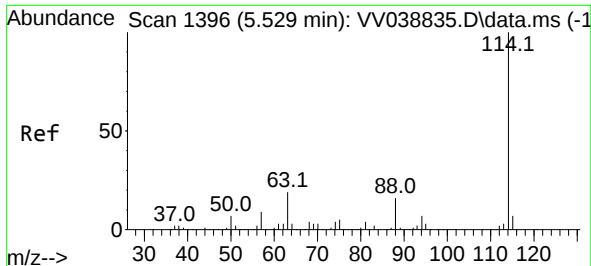
Tgt Ion: 65 Resp: 254805

Ion Ratio Lower Upper

65 100

67 49.8 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 11

Delta R.T. 0.007 min

Lab File: VV038841.D

Acq: 02 Jul 2025 15:34

Instrument :

MSVOA_V

ClientSampleId :

VV0702WBL03

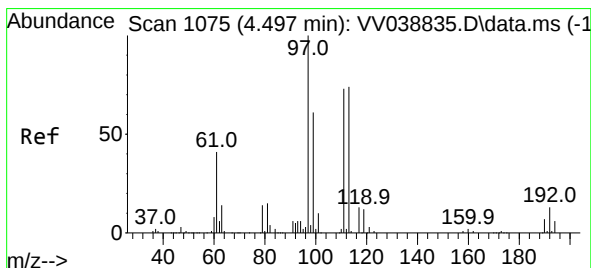
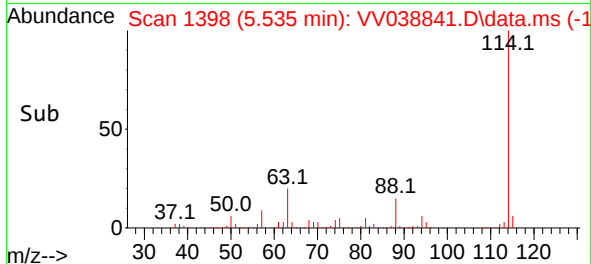
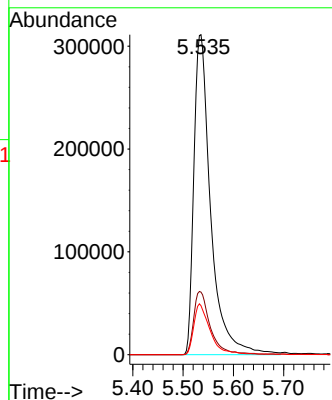
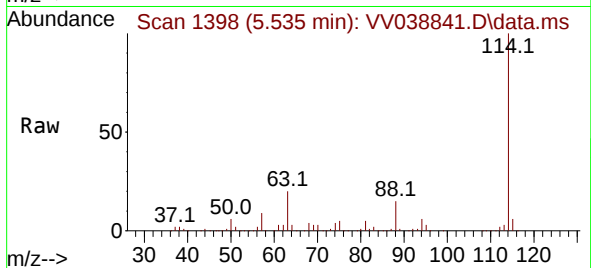
Tgt Ion:114 Resp: 724343

Ion Ratio Lower Upper

114 100

63 19.6 0.0 38.4

88 15.3 0.0 31.2



#35

Dibromofluoromethane

Concen: 48.857 ug/l

RT: 4.506 min Scan# 1078

Delta R.T. 0.010 min

Lab File: VV038841.D

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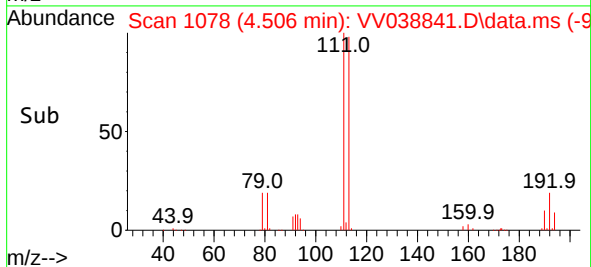
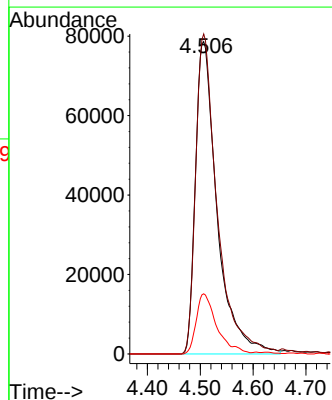
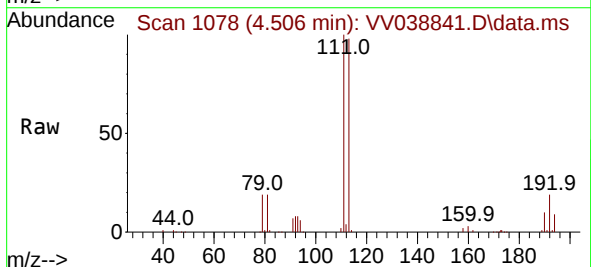
Tgt Ion:113 Resp: 224163

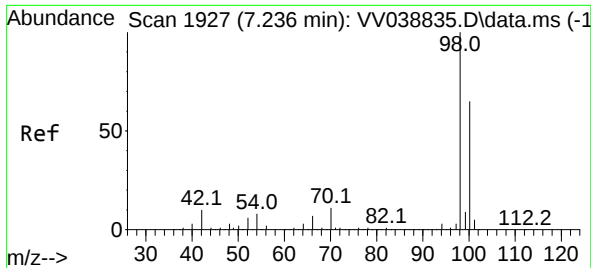
Ion Ratio Lower Upper

113 100

111 101.6 81.5 122.3

192 18.3 14.7 22.1

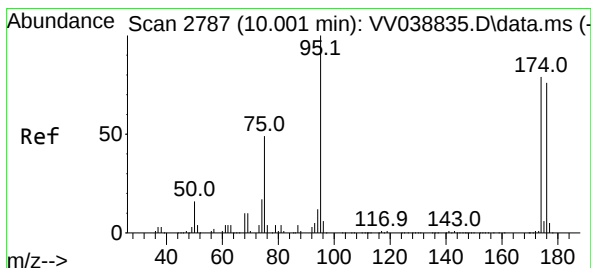
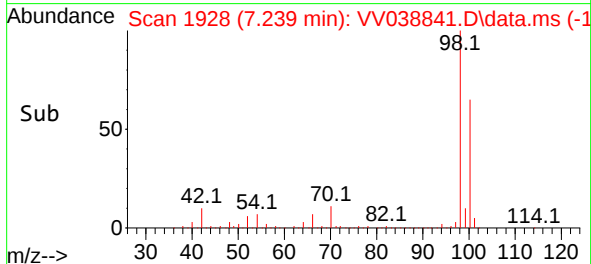
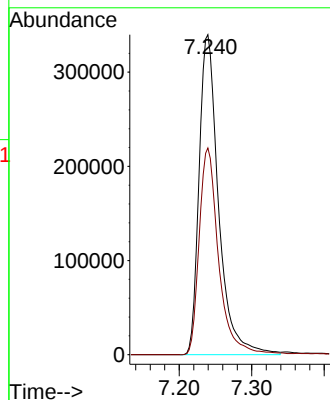
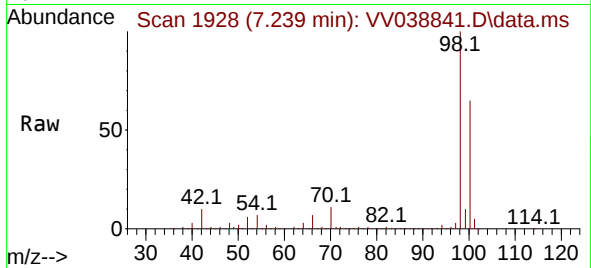




#50
Toluene-d8
Concen: 42.619 ug/l
RT: 7.239 min Scan# 1928
Delta R.T. 0.003 min
Lab File: VV038841.D
Acq: 02 Jul 2025 15:34

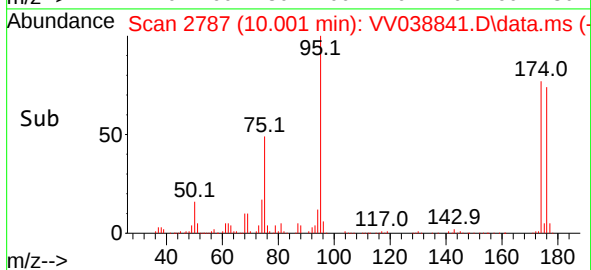
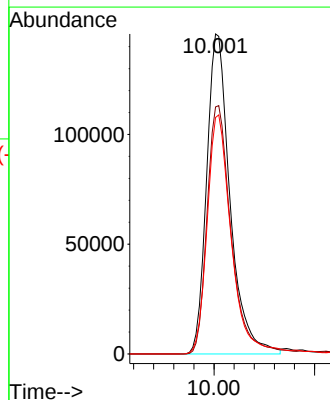
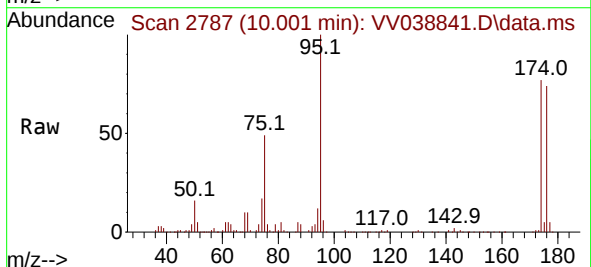
Instrument :
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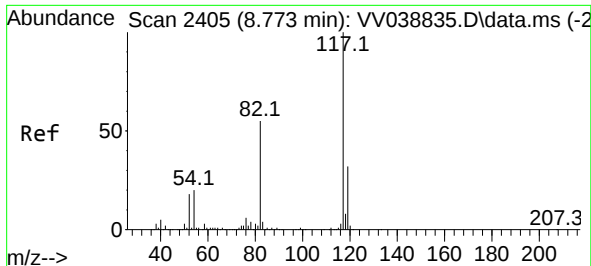
Tgt Ion: 98 Resp: 632653
Ion Ratio Lower Upper
98 100
100 64.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 39.316 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.000 min
Lab File: VV038841.D
Acq: 02 Jul 2025 15:34

Tgt Ion: 95 Resp: 235797
Ion Ratio Lower Upper
95 100
174 80.0 0.0 158.2
176 76.6 0.0 154.4

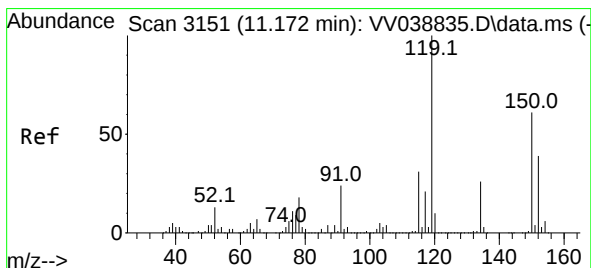
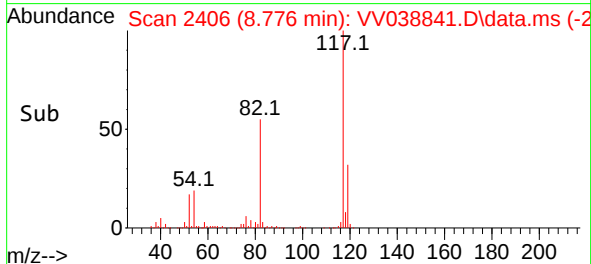
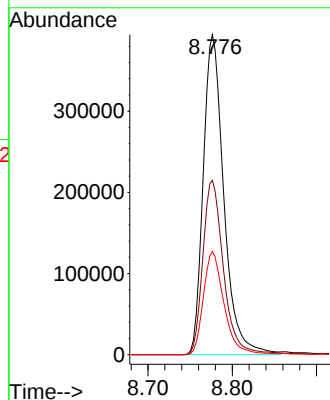
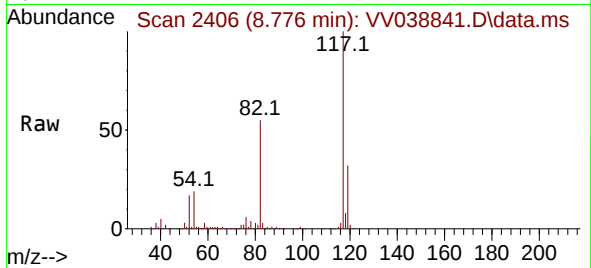




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VV038841.D
Acq: 02 Jul 2025 15:34

Instrument :
MSVOA_V
ClientSampleId :
VV0702WBL03

Tgt Ion:	117	Resp:	672085
Ion Ratio	Lower	Upper	
117	100		
82	54.5	44.2	66.4
119	32.3	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: VV038841.D
Acq: 02 Jul 2025 15:34

Tgt Ion:	152	Resp:	322277
Ion Ratio	Lower	Upper	
152	100		
115	61.1	42.0	126.0
150	159.2	0.0	343.6

