

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070325\
 Data File : VV038853.D
 Acq On : 03 Jul 2025 10:44
 Operator : SY/MD
 Sample : VV0703WBL02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0703WBL02

Quant Time: Jul 07 08:59:52 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	4.596	168	426024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	744100	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	692722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	328210	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	277162	58.049	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	116.100%
35) Dibromofluoromethane	4.500	113	245234	52.030	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	104.060%
50) Toluene-d8	7.236	98	694498	45.543	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	91.080%
62) 4-Bromofluorobenzene	10.001	95	254840	41.363	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	82.720%#

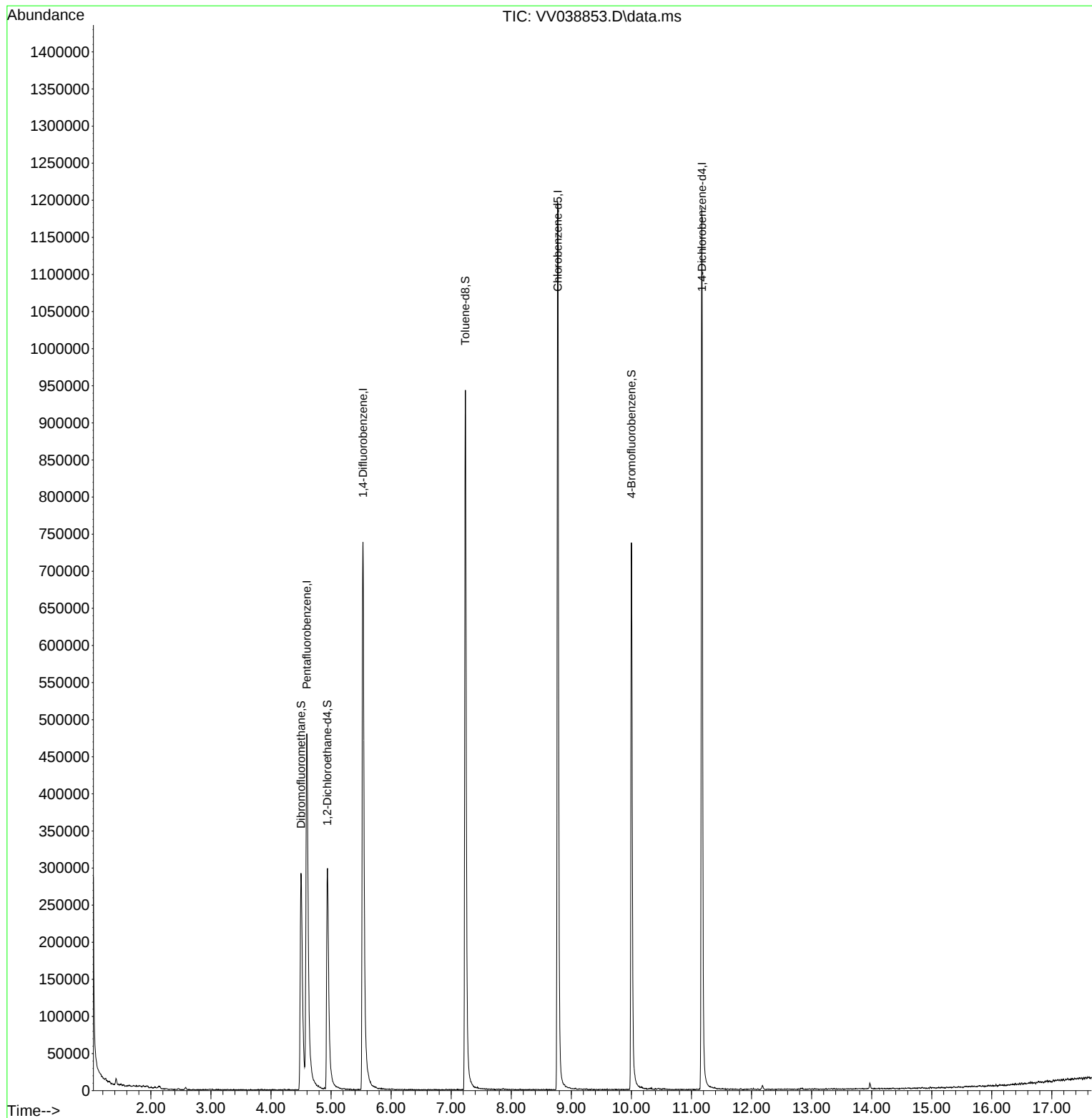
Target Compounds	Qvalue

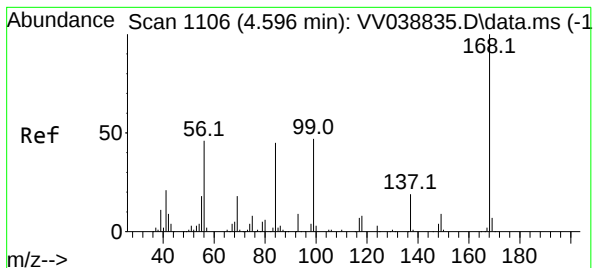
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.596 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VV038853.D

Acq: 03 Jul 2025 10:44

Instrument :

MSVOA_V

ClientSampleId :

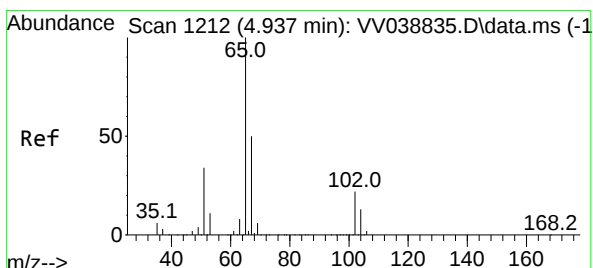
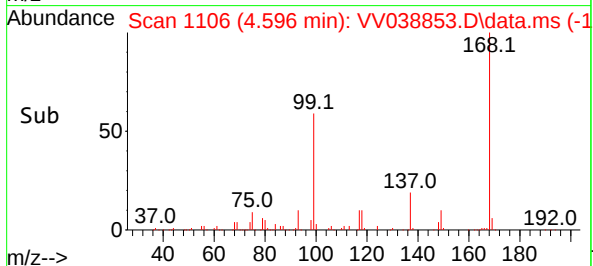
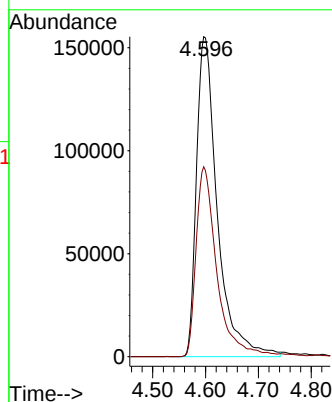
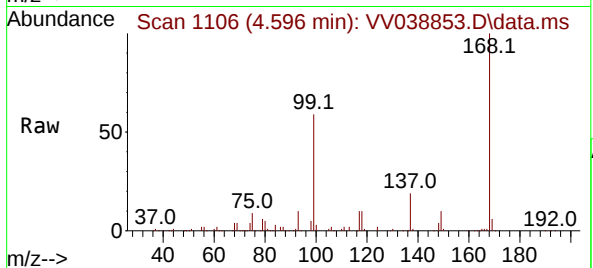
VV0703WBL02

Tgt Ion:168 Resp: 426024

Ion Ratio Lower Upper

168 100

99 59.3 48.6 73.0



#33

1,2-Dichloroethane-d4

Concen: 58.049 ug/l

RT: 4.937 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VV038853.D

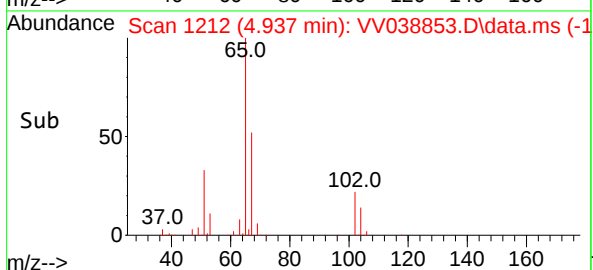
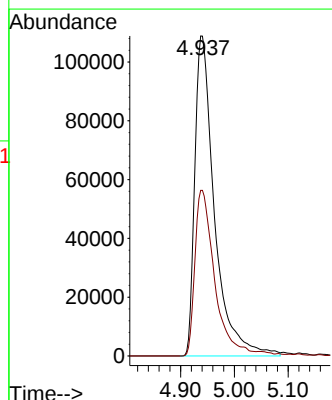
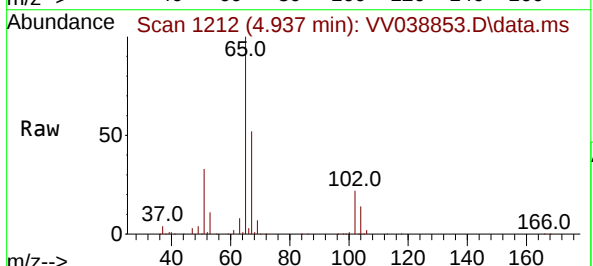
Acq: 03 Jul 2025 10:44

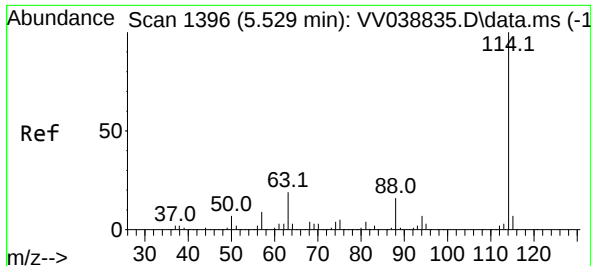
Tgt Ion: 65 Resp: 277162

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV038853.D

Acq: 03 Jul 2025 10:44

Instrument :

MSVOA_V

ClientSampleId :

VV0703WBL02

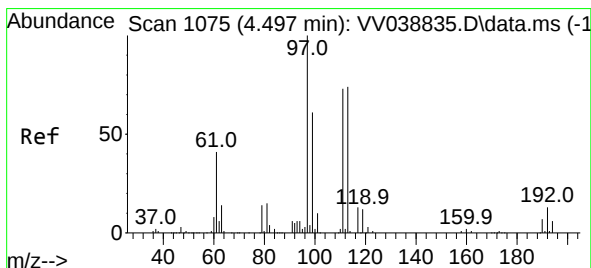
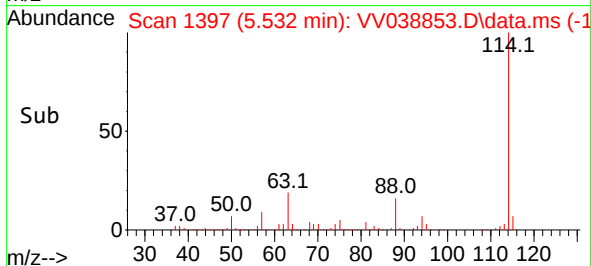
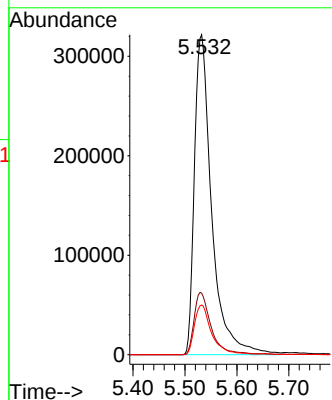
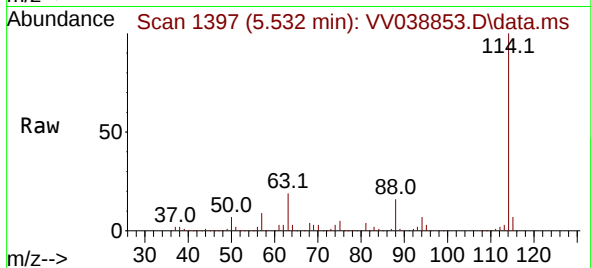
Tgt Ion:114 Resp: 744100

Ion Ratio Lower Upper

114 100

63 19.2 0.0 38.4

88 15.6 0.0 31.2



#35

Dibromofluoromethane

Concen: 52.030 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.003 min

Lab File: VV038853.D

Acq: 03 Jul 2025 10:44

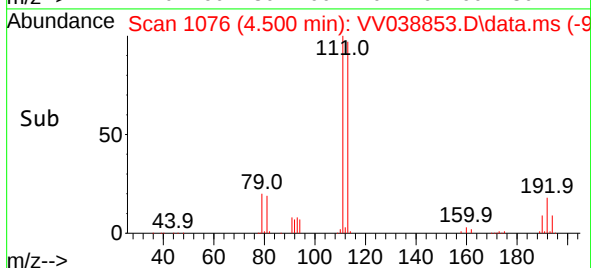
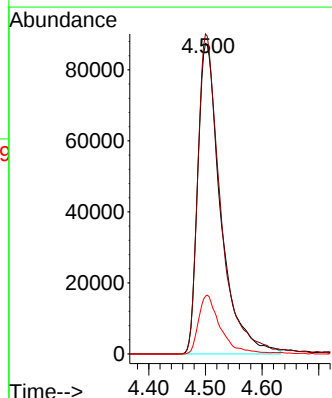
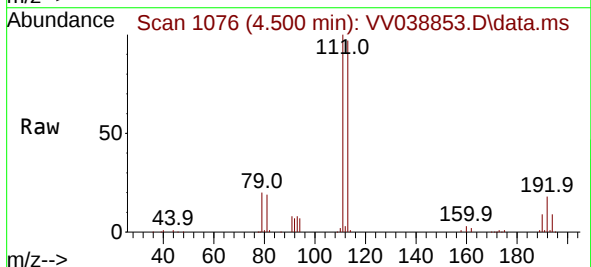
Tgt Ion:113 Resp: 245234

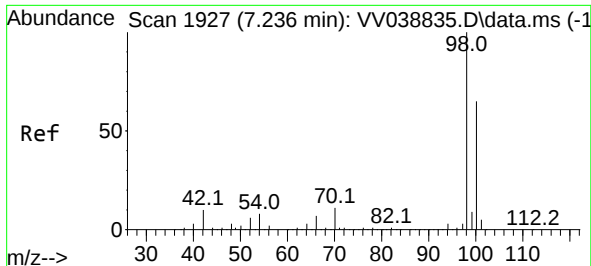
Ion Ratio Lower Upper

113 100

111 101.3 81.5 122.3

192 18.0 14.7 22.1

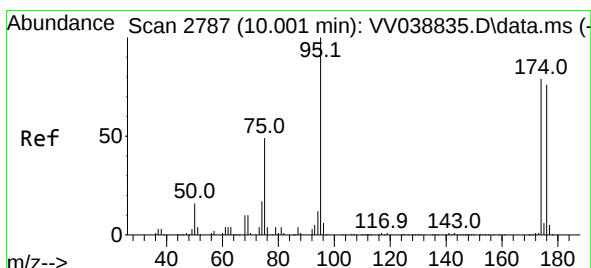
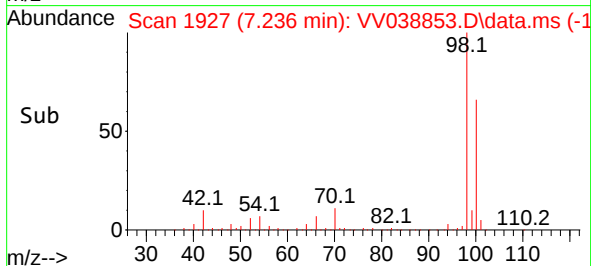
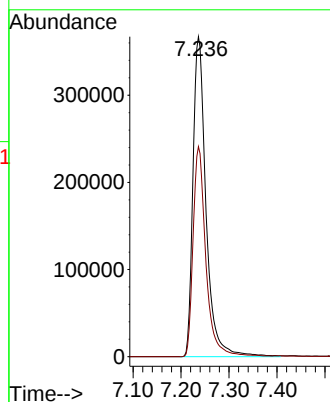
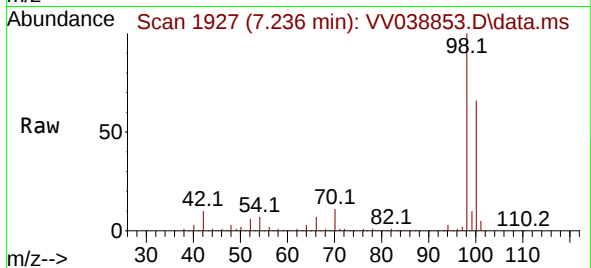




#50
Toluene-d8
Concen: 45.543 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV038853.D
Acq: 03 Jul 2025 10:44

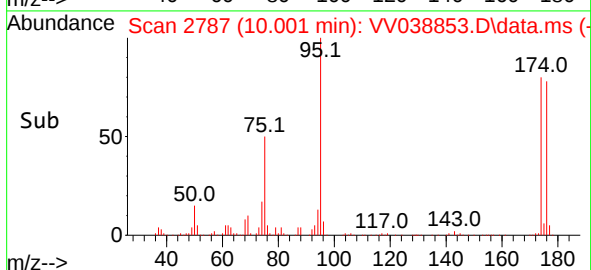
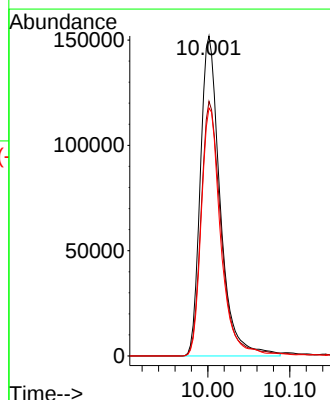
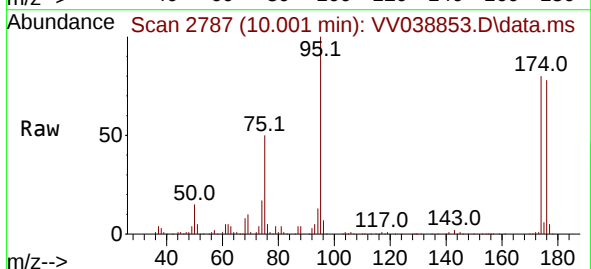
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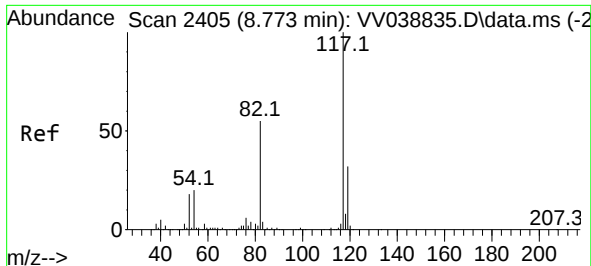
Tgt Ion: 98 Resp: 694498
Ion Ratio Lower Upper
98 100
100 64.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 41.363 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.000 min
Lab File: VV038853.D
Acq: 03 Jul 2025 10:44

Tgt Ion: 95 Resp: 254840
Ion Ratio Lower Upper
95 100
174 80.8 0.0 158.2
176 76.0 0.0 154.4

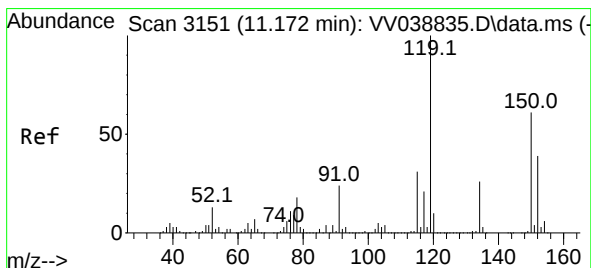
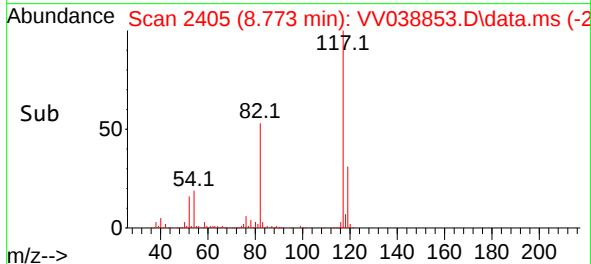
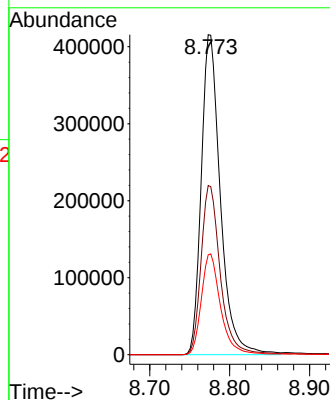
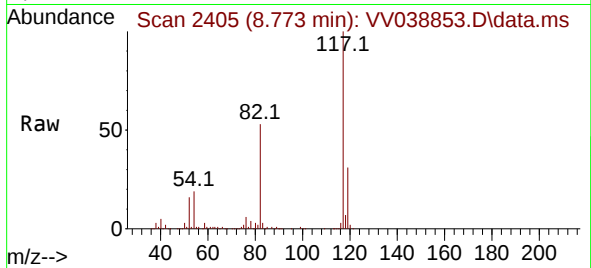




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VV038853.D
Acq: 03 Jul 2025 10:44

Instrument :
MSVOA_V
ClientSampleId :
VV0703WBL02

Tgt Ion:117 Resp: 692722
Ion Ratio Lower Upper
117 100
82 52.9 44.2 66.4
119 31.2 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: VV038853.D
Acq: 03 Jul 2025 10:44

Tgt Ion:152 Resp: 328210
Ion Ratio Lower Upper
152 100
115 59.5 42.0 126.0
150 155.5 0.0 343.6

