

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV070225\
 Data File : VV038839.D
 Acq On : 02 Jul 2025 14:50
 Operator : SY/MD
 Sample : VV0702WBL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0702WBL01

Quant Time: Jul 03 02:48:50 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	466070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	800338	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	747574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	357107	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	295406	56.554	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	113.100%
35) Dibromofluoromethane	4.500	113	262999	51.879	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	103.760%
50) Toluene-d8	7.236	98	763017	46.520	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	93.040%
62) 4-Bromofluorobenzene	10.001	95	284527	42.937	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	85.880%

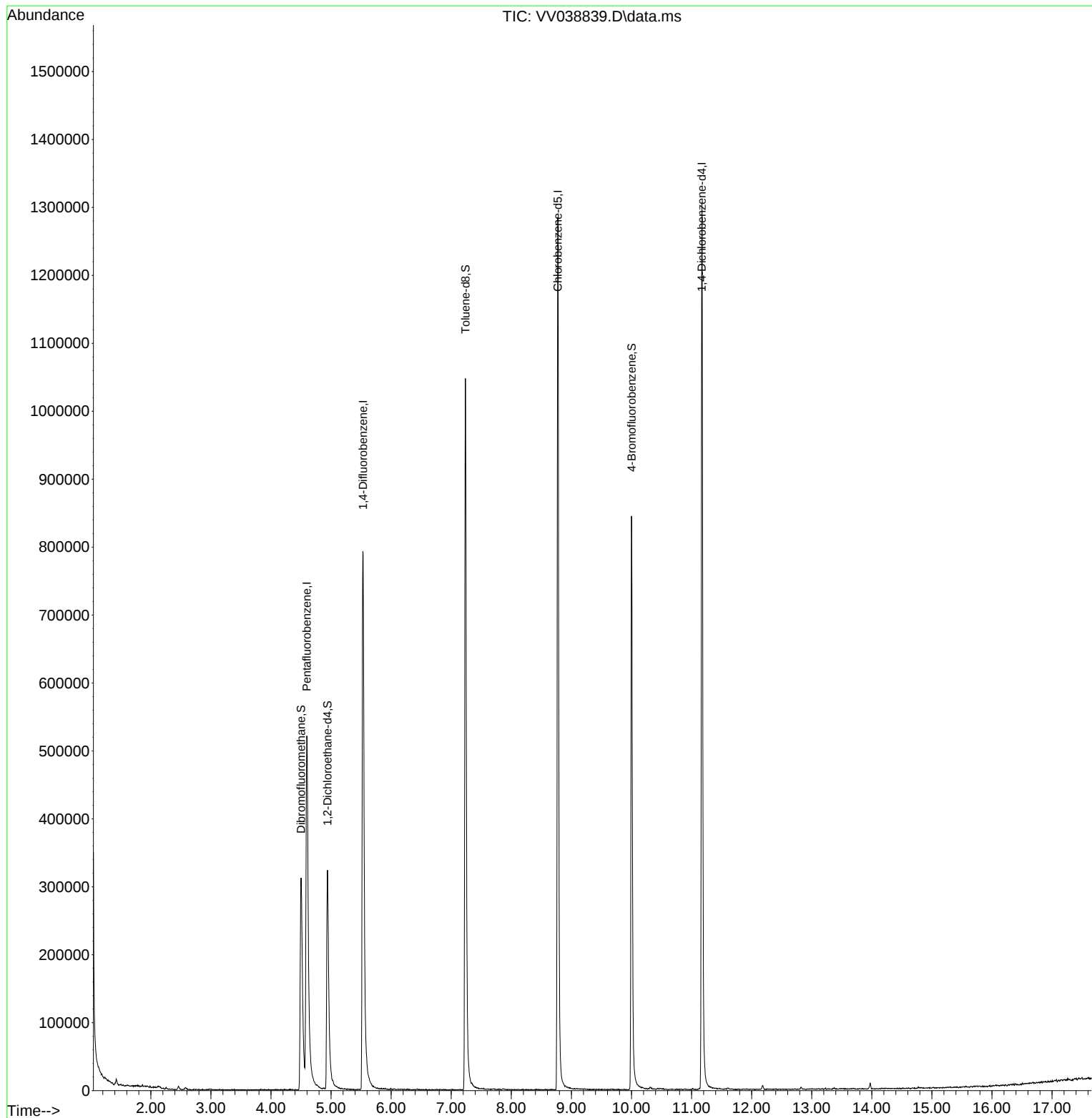
Target Compounds	Qvalue

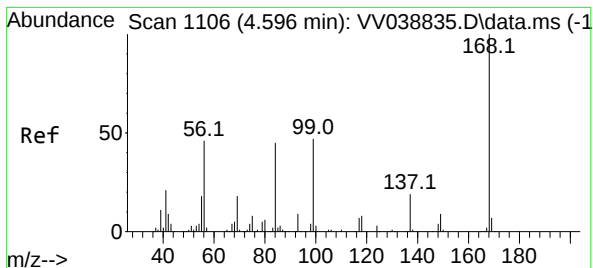
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VV038839.D

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Instrument :

MSVOA_V

ClientSampleId :

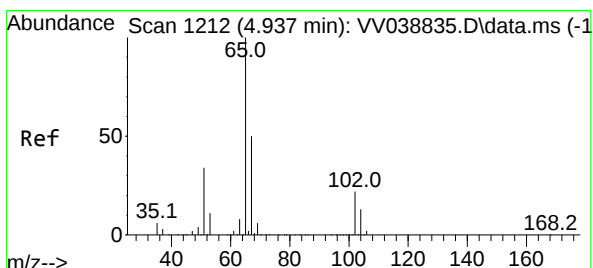
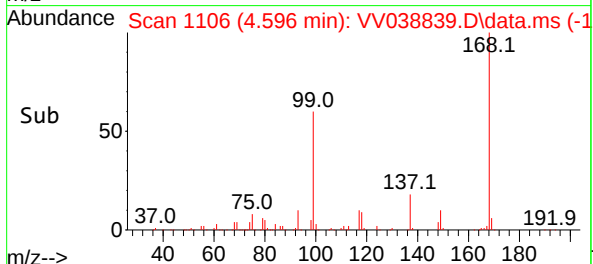
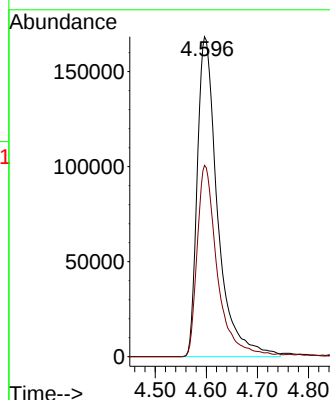
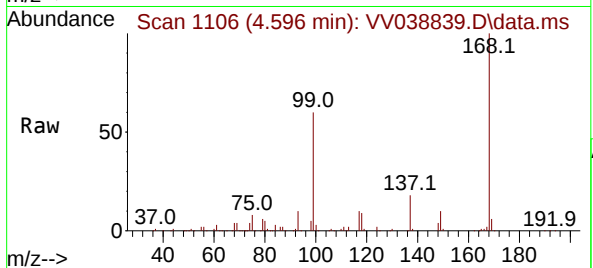
VV0702WBL01

Tgt Ion:168 Resp: 466070

Ion Ratio Lower Upper

168 100

99 59.8 48.6 73.0



#33

1,2-Dichloroethane-d4

Concen: 56.554 ug/l

RT: 4.941 min Scan# 1213

Delta R.T. 0.003 min

Lab File: VV038839.D

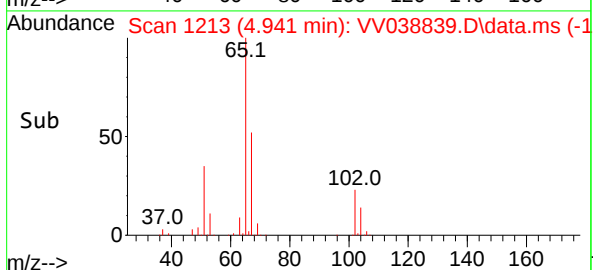
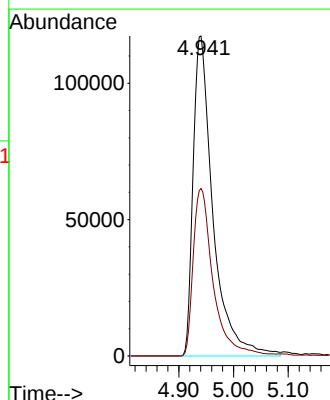
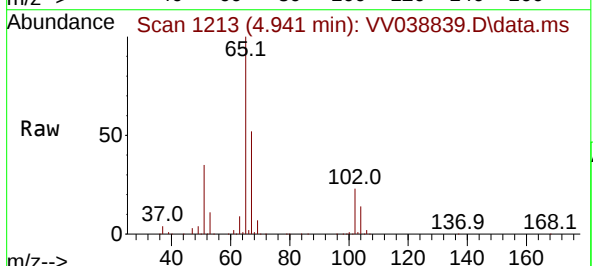
Acq: 02 Jul 2025 14:50

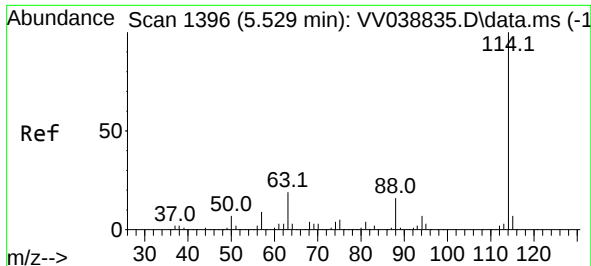
Tgt Ion: 65 Resp: 295406

Ion Ratio Lower Upper

65 100

67 52.5 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: VV038839.D

Acq: 02 Jul 2025 14:50

Instrument :

MSVOA_V

ClientSampleId :

VV0702WBL01

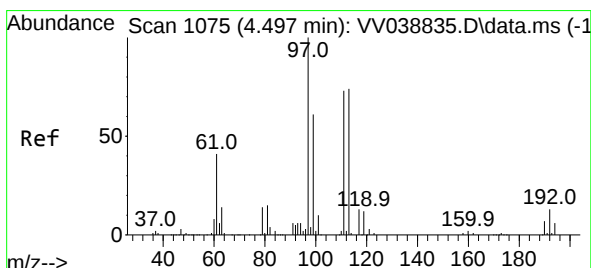
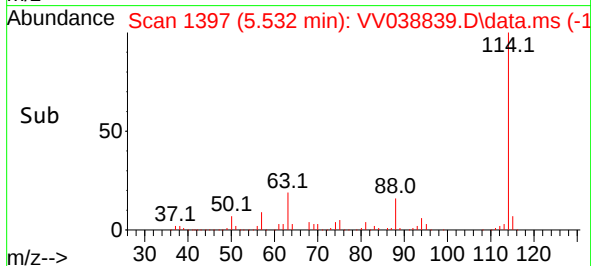
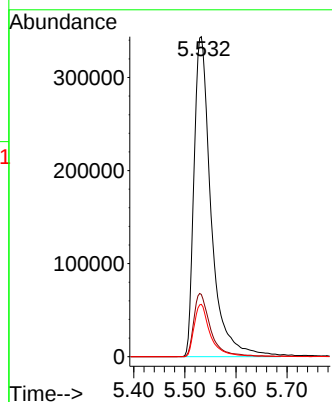
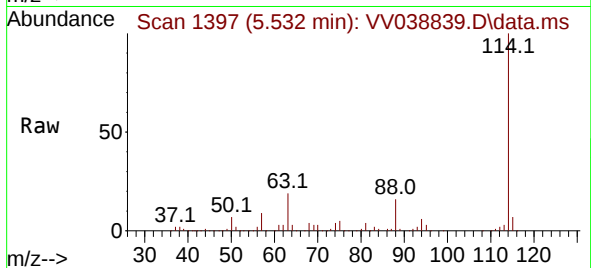
Tgt Ion:114 Resp: 800338

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

88 16.4 0.0 31.2



#35

Dibromofluoromethane

Concen: 51.879 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.003 min

Lab File: VV038839.D

Acq: 02 Jul 2025 14:50

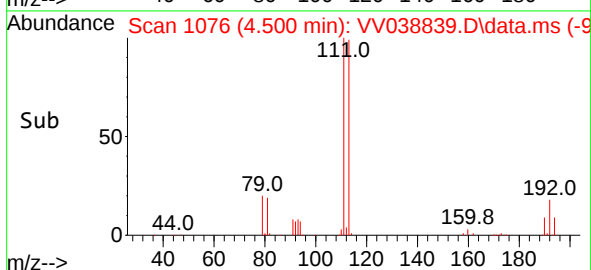
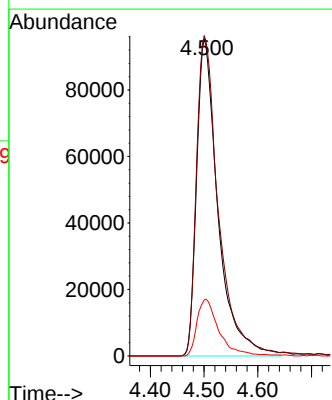
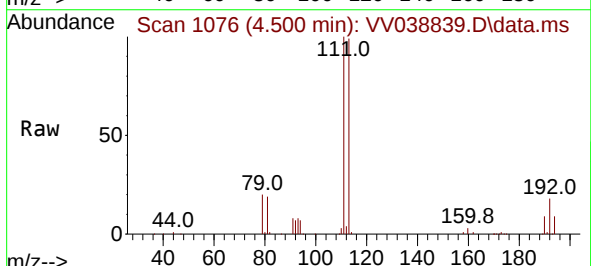
Tgt Ion:113 Resp: 262999

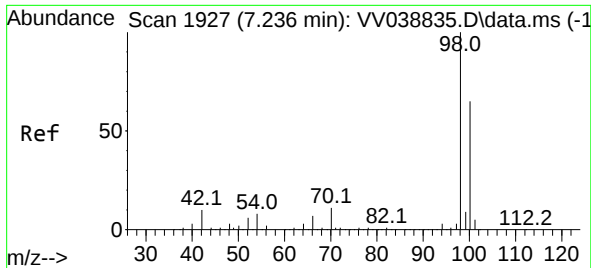
Ion Ratio Lower Upper

113 100

111 103.9 81.5 122.3

192 18.2 14.7 22.1

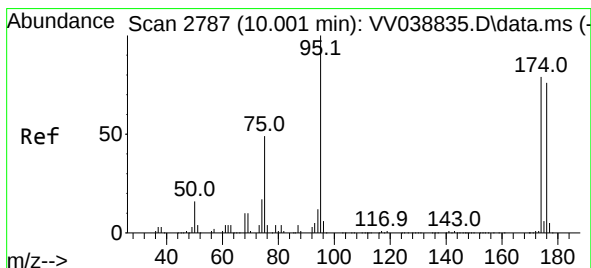
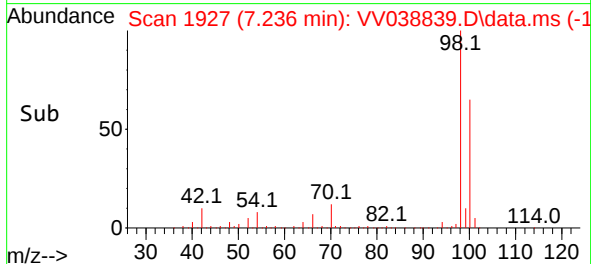
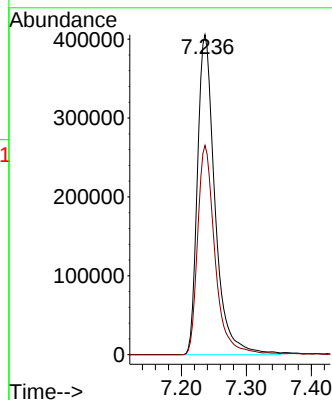
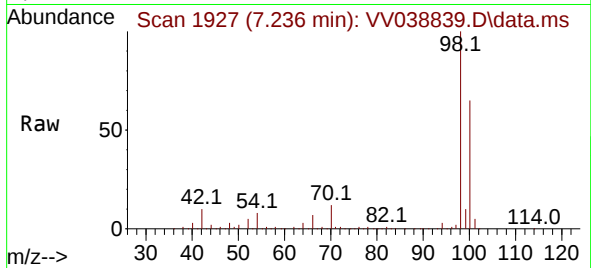




#50
Toluene-d8
Concen: 46.520 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV038839.D
Acq: 02 Jul 2025 14:50

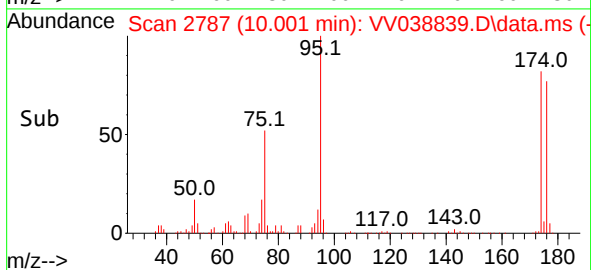
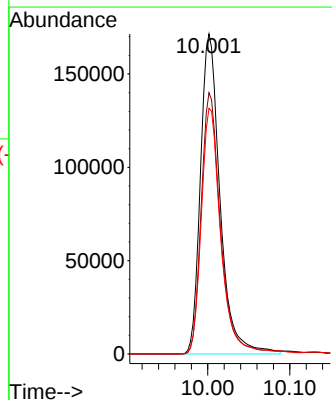
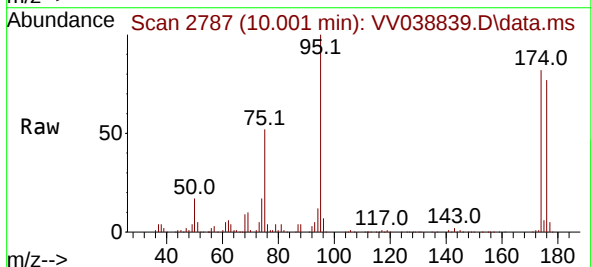
Instrument :
MSVOA_V
ClientSampleId :
VV0702WBL01

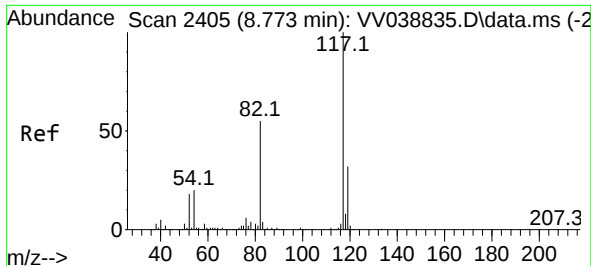
Tgt Ion: 98 Resp: 763017
Ion Ratio Lower Upper
98 100
100 64.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 42.937 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.000 min
Lab File: VV038839.D
Acq: 02 Jul 2025 14:50

Tgt Ion: 95 Resp: 284527
Ion Ratio Lower Upper
95 100
174 80.0 0.0 158.2
176 76.0 0.0 154.4

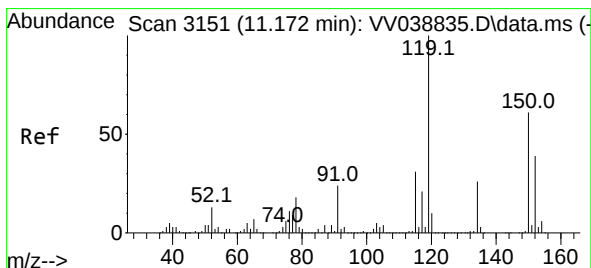
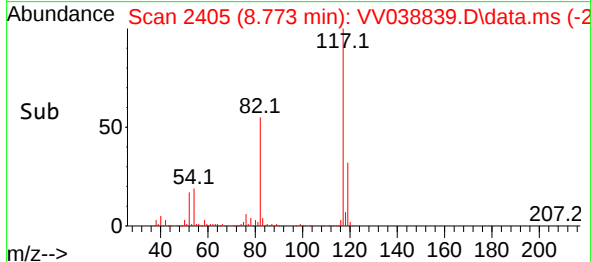
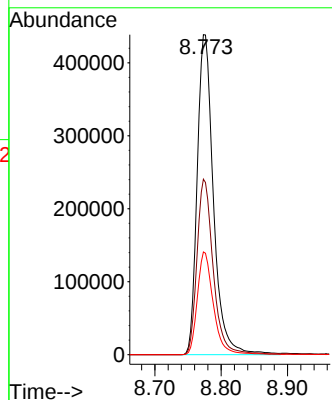
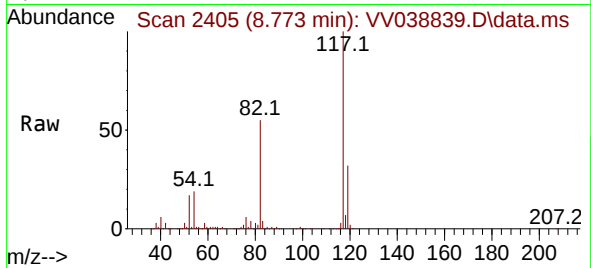




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VV038839.D
Acq: 02 Jul 2025 14:50

Instrument :
MSVOA_V
ClientSampleId :
VV0702WBL01

Tgt Ion:	117	Resp:	747574
Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.2	66.4
119	32.1	25.5	38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV038839.D
Acq: 02 Jul 2025 14:50

Tgt Ion:	152	Resp:	357107
Ion	Ratio	Lower	Upper
152	100		
115	59.5	42.0	126.0
150	156.5	0.0	343.6

