

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082225\
 Data File : VV039010.D
 Acq On : 22 Aug 2025 10:55
 Operator : SY/MD
 Sample : VV0822WBL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0822WBL01

Quant Time: Aug 25 02:19:40 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 04:15:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	530331	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1082642	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	991839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	416909	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	446395	59.988	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	119.980%#
35) Dibromofluoromethane	4.503	113	384731	47.385	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	94.760%
50) Toluene-d8	7.236	98	1349261	47.656	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	95.320%
62) 4-Bromofluorobenzene	10.001	95	510781	49.316	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	98.640%

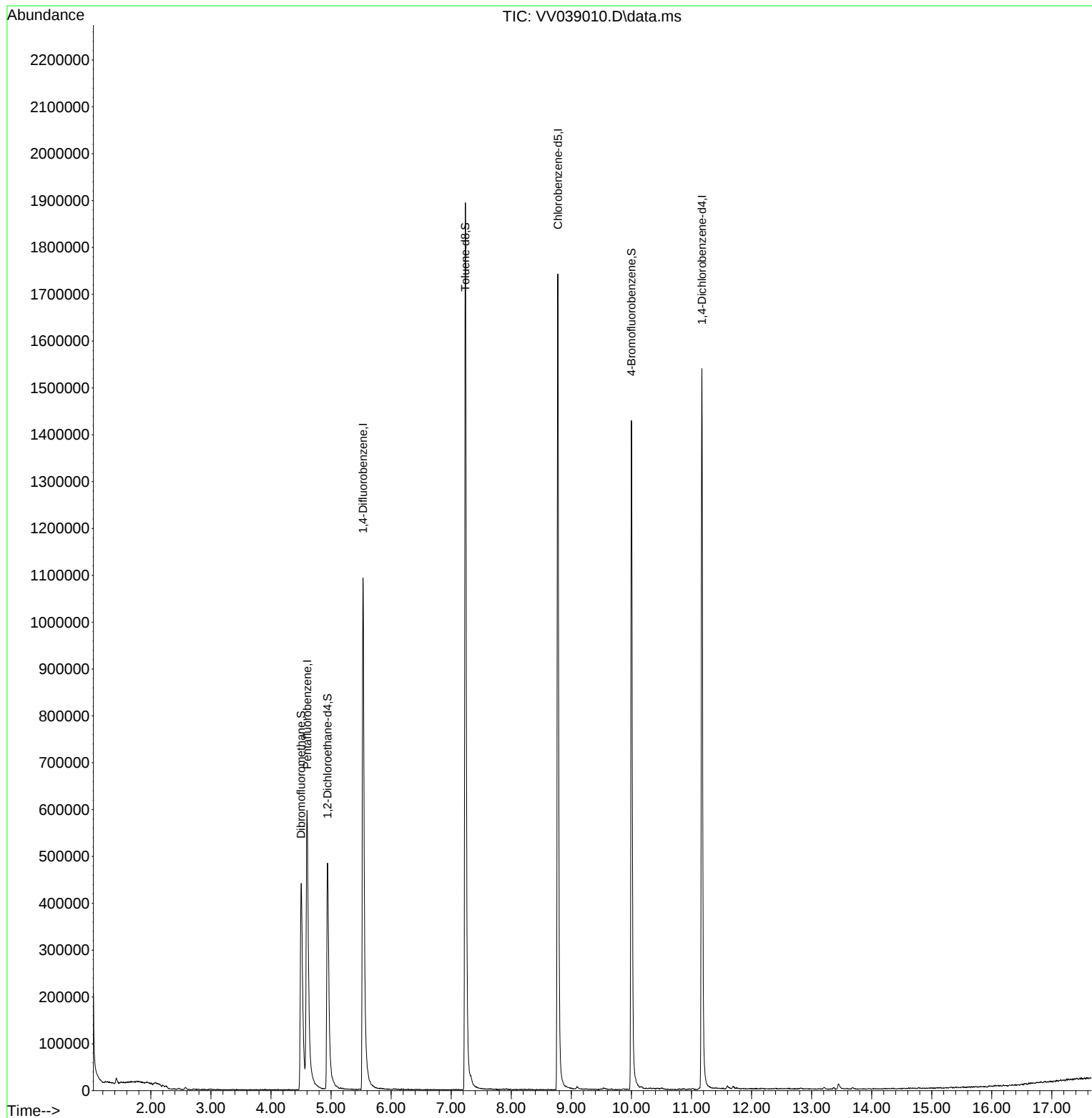
Target Compounds	Qvalue

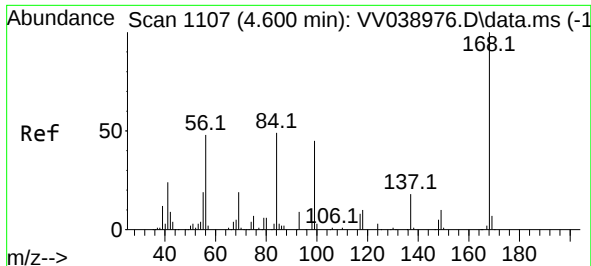
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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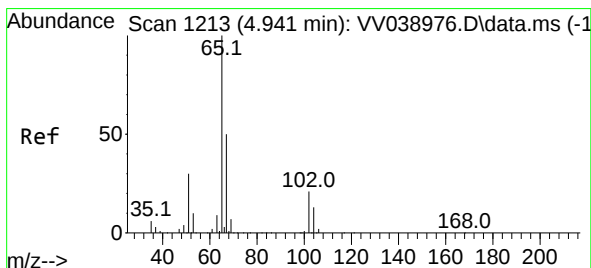
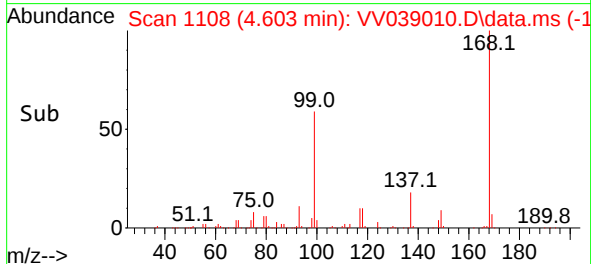
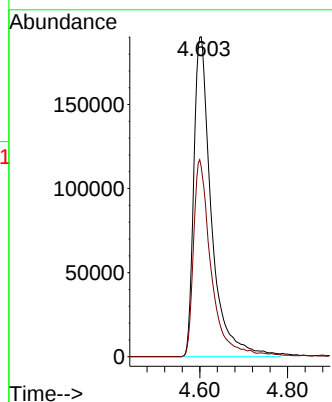
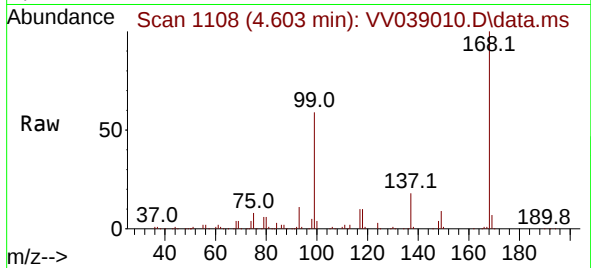




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV039010.D
Acq: 22 Aug 2025 10:55

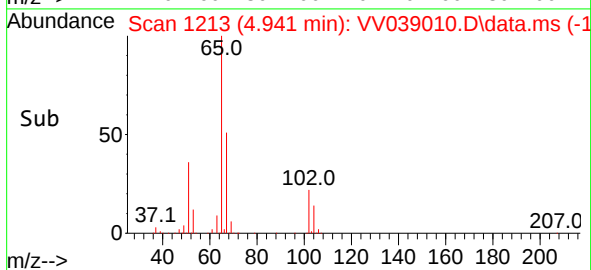
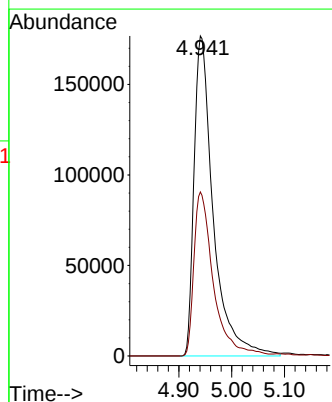
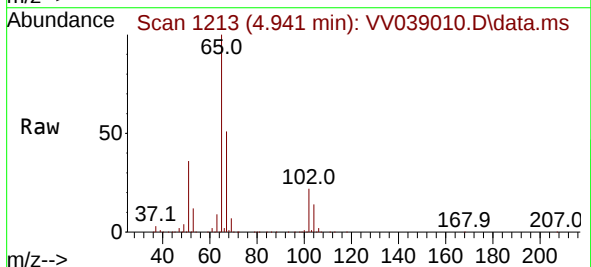
Instrument :
MSVOA_V
ClientSampleId :
VV0822WBL01

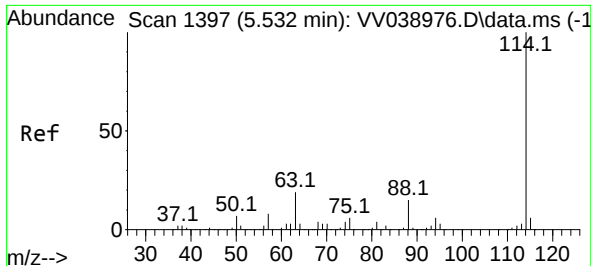
Tgt Ion:168 Resp: 530331
Ion Ratio Lower Upper
168 100
99 59.4 47.0 70.6



#33
1,2-Dichloroethane-d4
Concen: 59.988 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VV039010.D
Acq: 22 Aug 2025 10:55

Tgt Ion: 65 Resp: 446395
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV039010.D

Acq: 22 Aug 2025 10:55

Instrument :

MSVOA_V

ClientSampleId :

VV0822WBL01

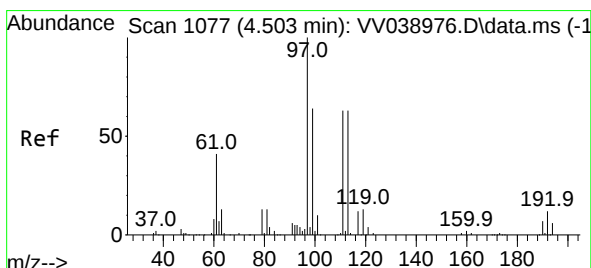
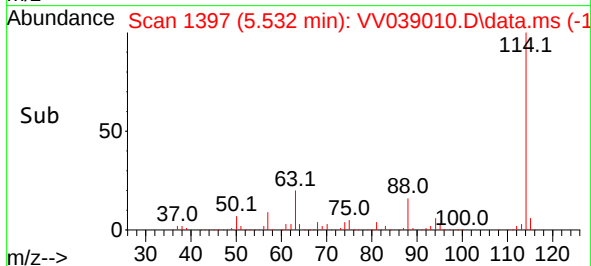
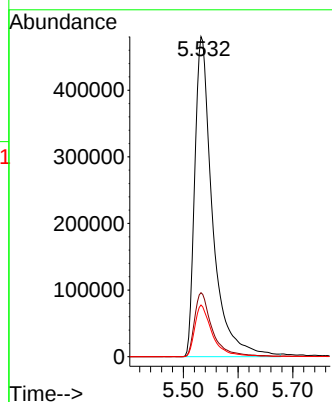
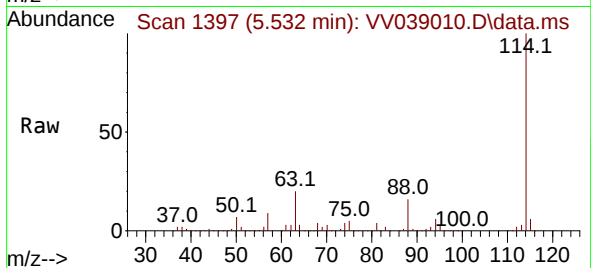
Tgt Ion:114 Resp: 1082642

Ion Ratio Lower Upper

114 100

63 20.0 0.0 37.4

88 16.1 0.0 30.4



#35

Dibromofluoromethane

Concen: 47.385 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VV039010.D

Acq: 22 Aug 2025 10:55

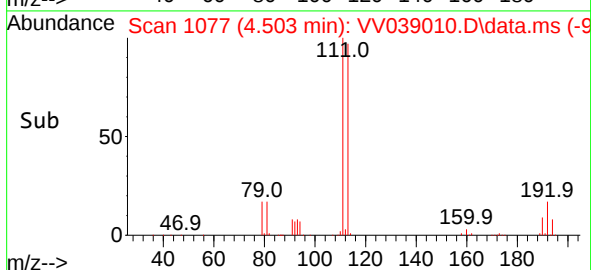
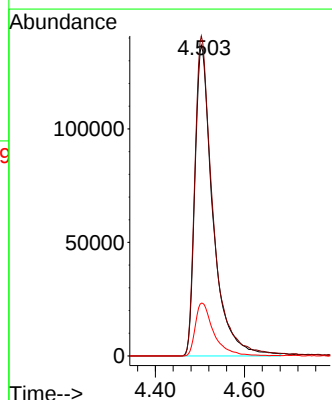
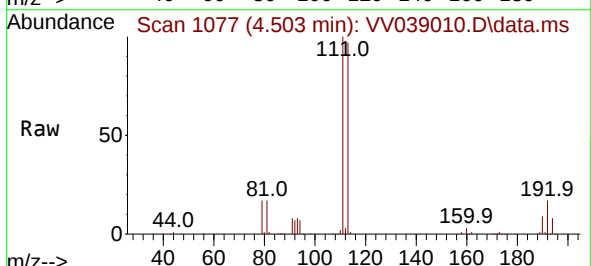
Tgt Ion:113 Resp: 384731

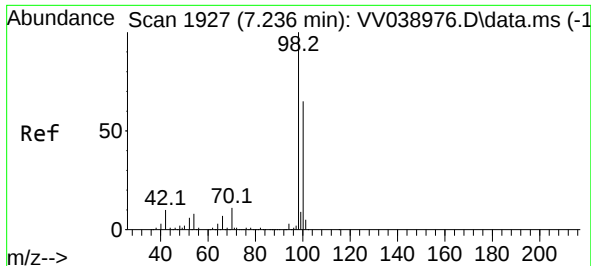
Ion Ratio Lower Upper

113 100

111 103.7 81.3 121.9

192 17.4 15.4 23.0

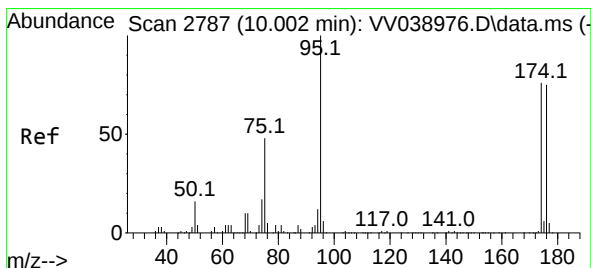
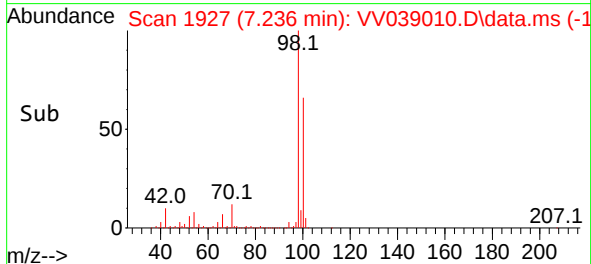
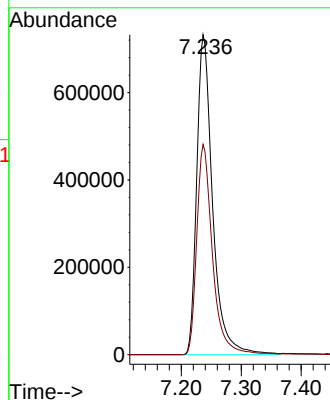
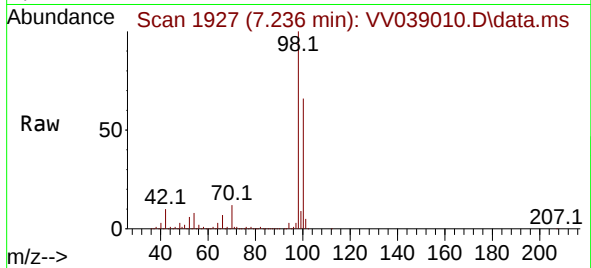




#50
Toluene-d8
Concen: 47.656 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039010.D
Acq: 22 Aug 2025 10:55

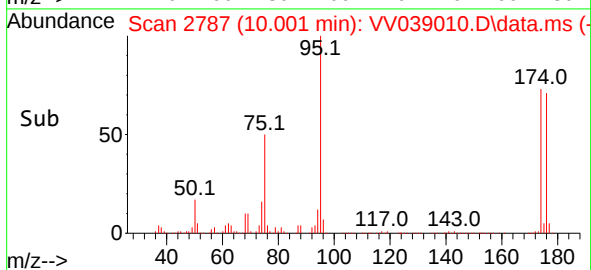
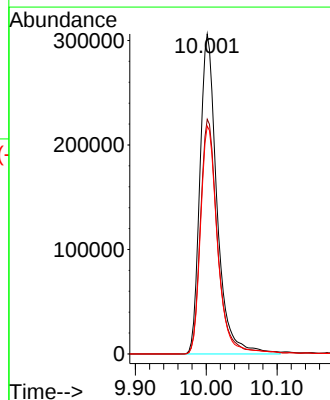
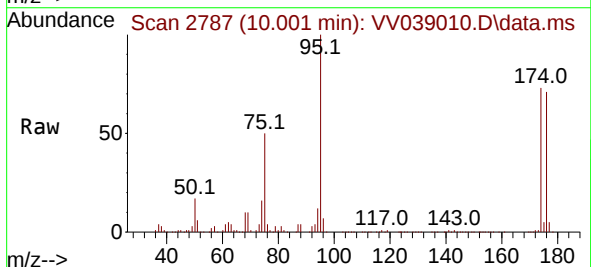
Instrument :
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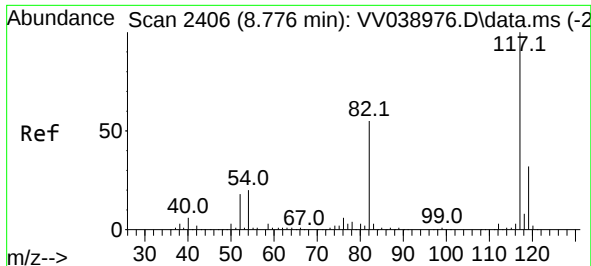
Tgt Ion: 98 Resp: 1349261
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 49.316 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV039010.D
Acq: 22 Aug 2025 10:55

Tgt Ion: 95 Resp: 510781
Ion Ratio Lower Upper
95 100
174 74.0 0.0 154.4
176 71.5 0.0 148.6

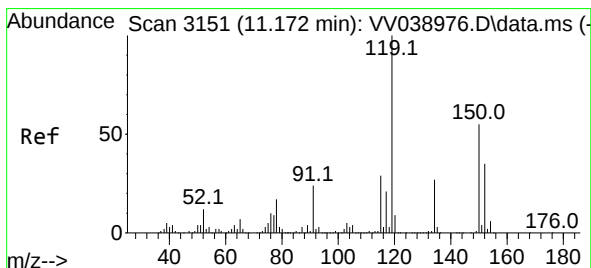
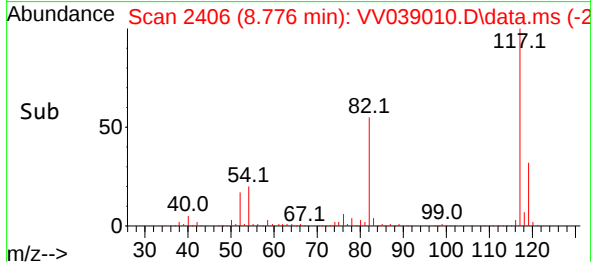
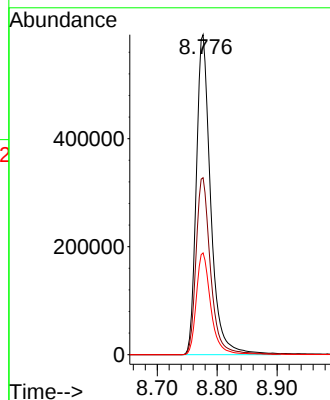
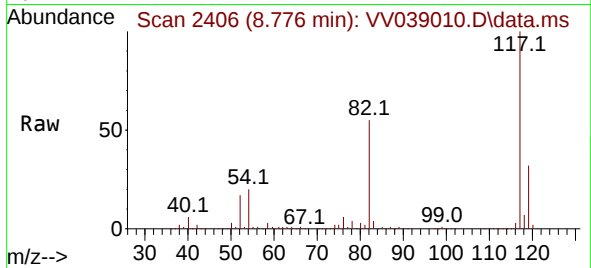




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV039010.D
Acq: 22 Aug 2025 10:55

Instrument :
MSVOA_V
ClientSampleId :
VV0822WBL01

Tgt Ion:117 Resp: 991839
Ion Ratio Lower Upper
117 100
82 55.3 44.4 66.6
119 31.8 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VV039010.D
Acq: 22 Aug 2025 10:55

Tgt Ion:152 Resp: 416909
Ion Ratio Lower Upper
152 100
115 62.1 42.5 127.5
150 155.2 0.0 344.8

