

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038995.D
 Acq On : 21 Aug 2025 20:45
 Operator : SY/MD
 Sample : Q2924-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 TB

Quant Time: Aug 22 04:38:14 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	4.600	168	587684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1058155	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	949705	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	415869	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	436385	52.920	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	105.840%
35) Dibromofluoromethane	4.503	113	373543	47.072	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	94.140%
50) Toluene-d8	7.236	98	1247446	45.080	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	90.160%
62) 4-Bromofluorobenzene	10.001	95	411406	40.640	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	81.280%#

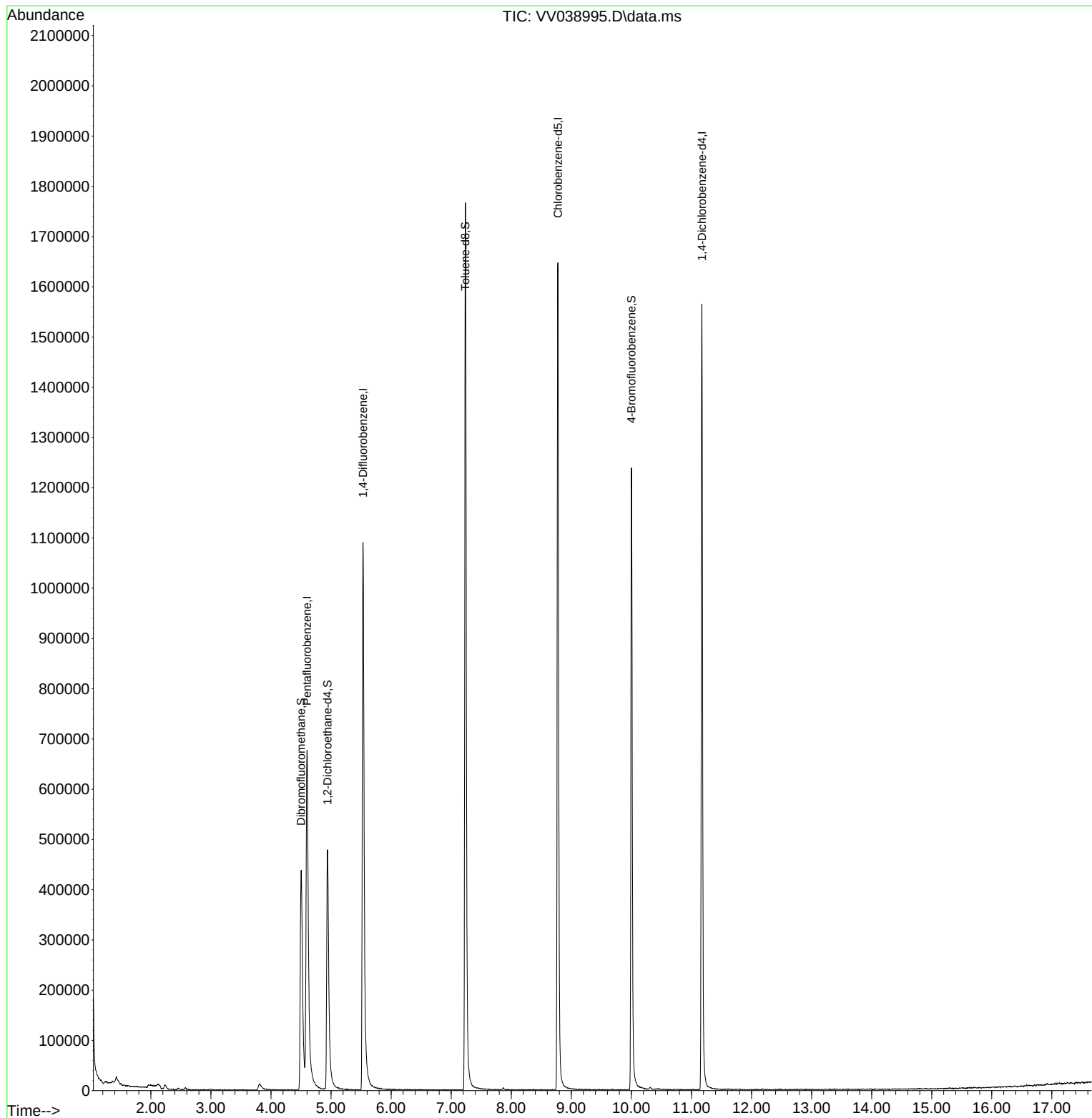
Target Compounds	Qvalue

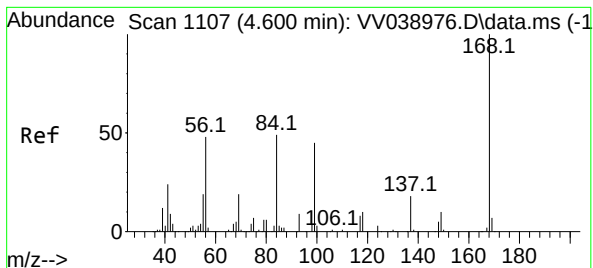
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VV038995.D

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Instrument :

MSVOA_V

ClientSampleId :

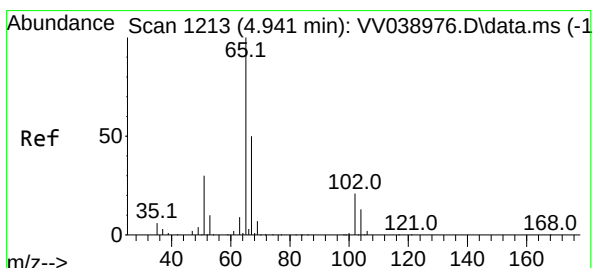
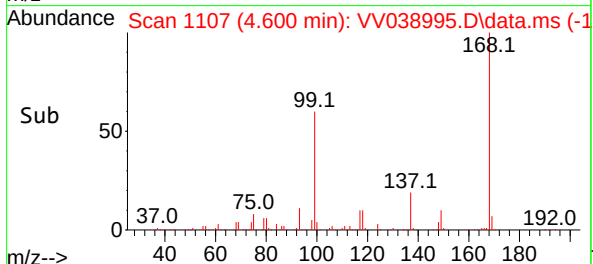
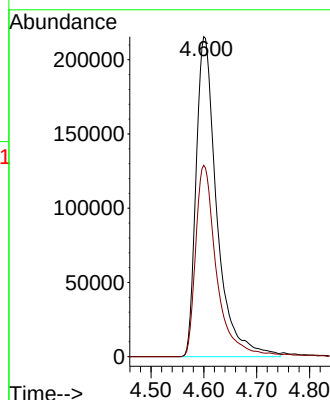
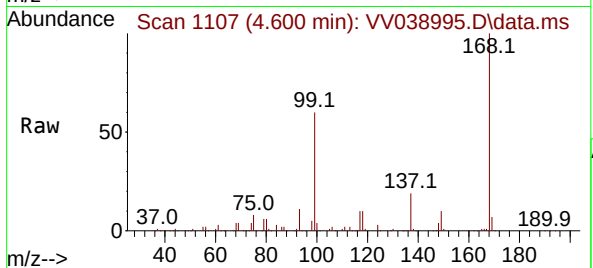
TB

Tgt Ion:168 Resp: 587684

Ion Ratio Lower Upper

168 100

99 59.8 47.0 70.6



#33

1,2-Dichloroethane-d4

Concen: 52.920 ug/l

RT: 4.940 min Scan# 1213

Delta R.T. -0.000 min

Lab File: VV038995.D

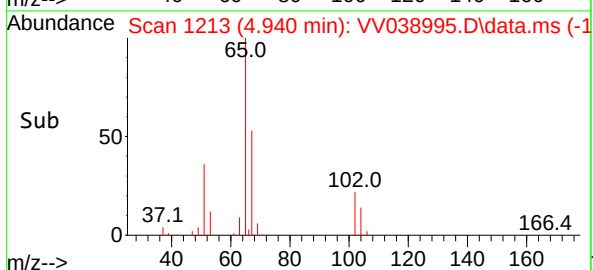
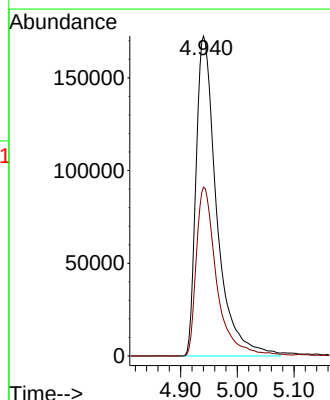
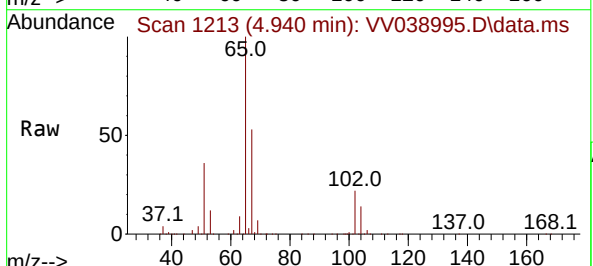
Acq: 21 Aug 2025 20:45

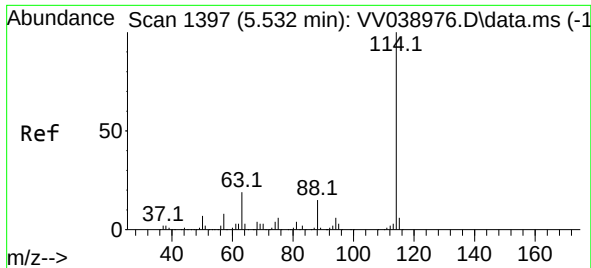
Tgt Ion: 65 Resp: 436385

Ion Ratio Lower Upper

65 100

67 52.3 0.0 100.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1

Delta R.T. -0.000 min

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Acq: 21 Aug 2025 20:45

Instrument :

MSVOA_V

ClientSampleId :

TB

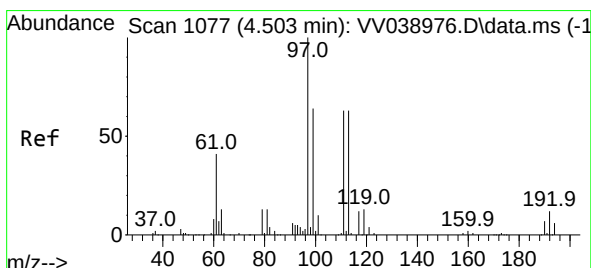
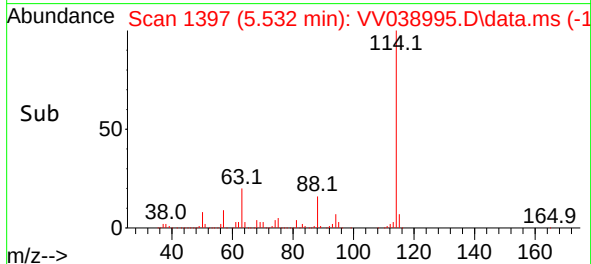
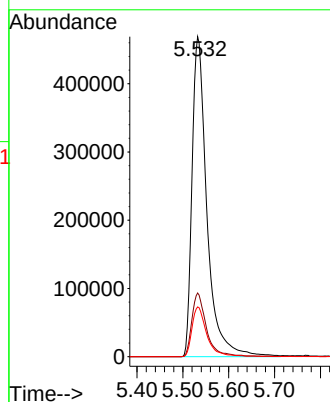
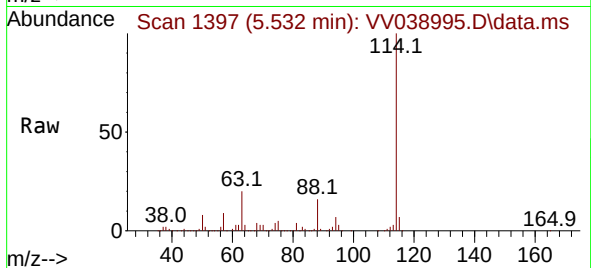
Tgt Ion:114 Resp: 1058155

Ion Ratio Lower Upper

114 100

63 19.9 0.0 37.4

88 15.6 0.0 30.4



#35

Dibromofluoromethane

Concen: 47.072 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VV038995.D

Acq: 21 Aug 2025 20:45

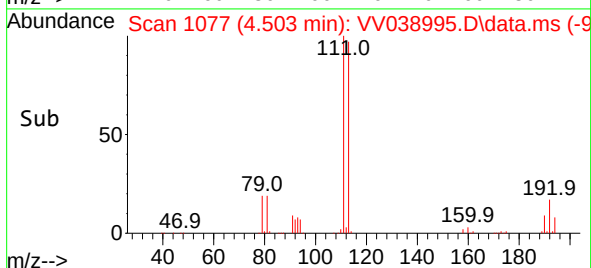
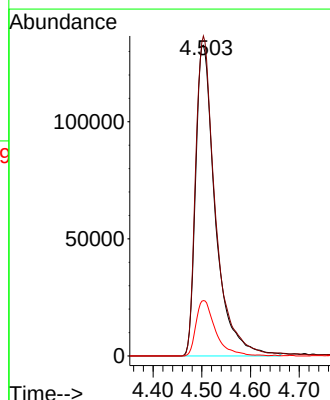
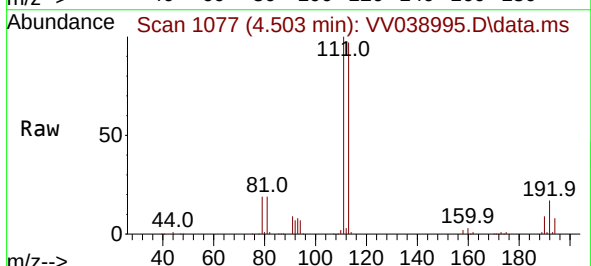
Tgt Ion:113 Resp: 373543

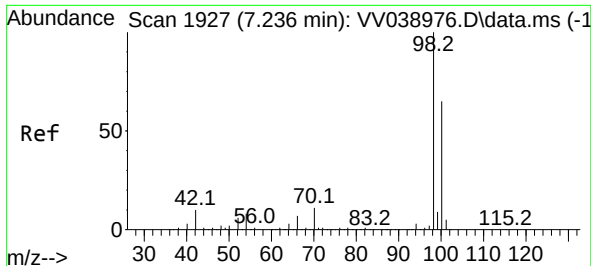
Ion Ratio Lower Upper

113 100

111 102.7 81.3 121.9

192 17.6 15.4 23.0

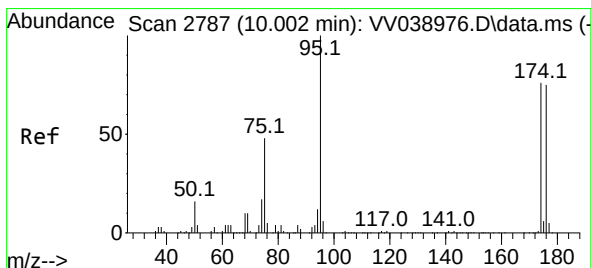
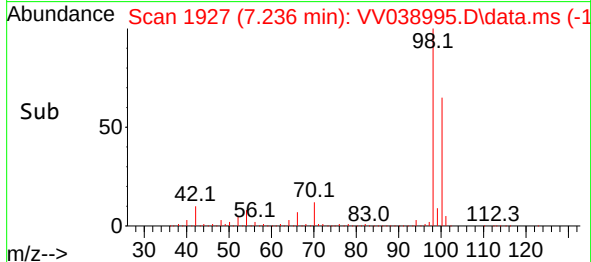
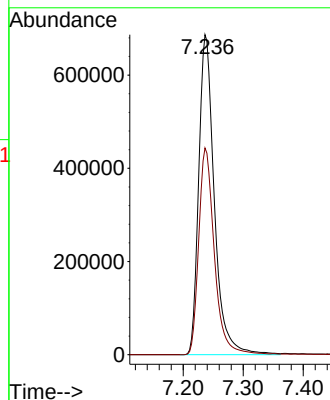
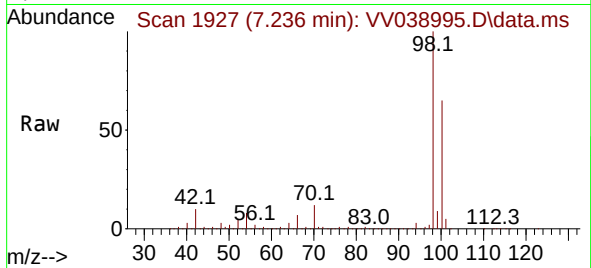




#50
Toluene-d8
Concen: 45.080 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

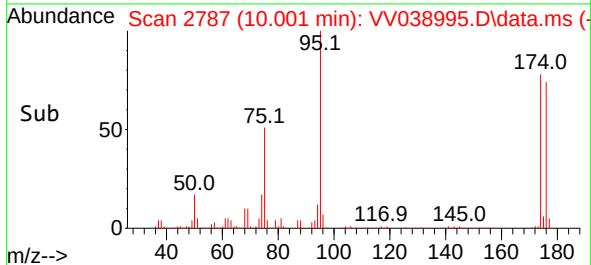
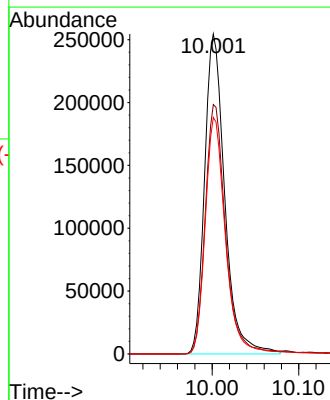
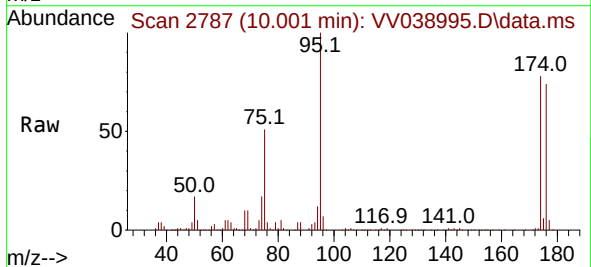
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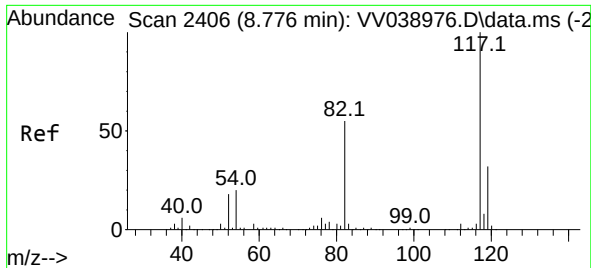
Tgt Ion: 98 Resp: 1247446
Ion Ratio Lower Upper
98 100
100 64.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 40.640 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

Tgt Ion: 95 Resp: 411406
Ion Ratio Lower Upper
95 100
174 79.0 0.0 154.4
176 74.8 0.0 148.6

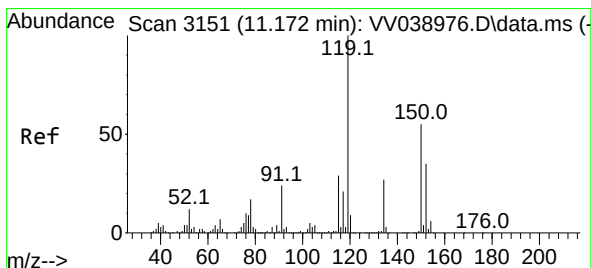
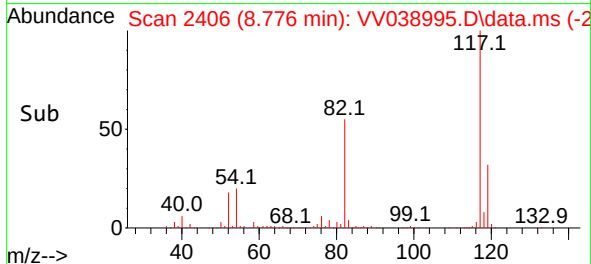
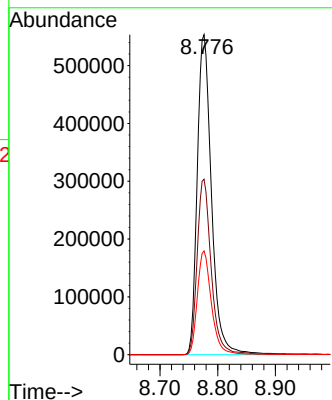
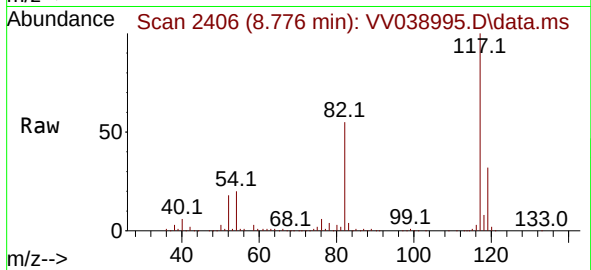




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2406
Delta R.T. 0.000 min
Lab File: VV038995.D
Acq: 21 Aug 2025 20:45

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion:117 Resp: 949705
Ion Ratio Lower Upper
117 100
82 54.9 44.4 66.6
119 32.4 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: VV038995.D
Acq: 21 Aug 2025 20:45

Tgt Ion:152 Resp: 415869
Ion Ratio Lower Upper
152 100
115 60.6 42.5 127.5
150 157.9 0.0 344.8

