

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV082125\
 Data File : VV038983.D
 Acq On : 21 Aug 2025 16:12
 Operator : SY/MD
 Sample : VV0821MBL01
 Misc : 5.00g/10.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0821MBL01

Quant Time: Aug 22 04:32:05 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	4.597	168	427239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	741015	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	612117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	211578	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	309584	51.641	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	103.280%
35) Dibromofluoromethane	4.500	113	270239	48.628	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	97.260%
50) Toluene-d8	7.236	98	842767	43.490	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	86.980%#
62) 4-Bromofluorobenzene	10.001	95	286884	40.468	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	80.940%#

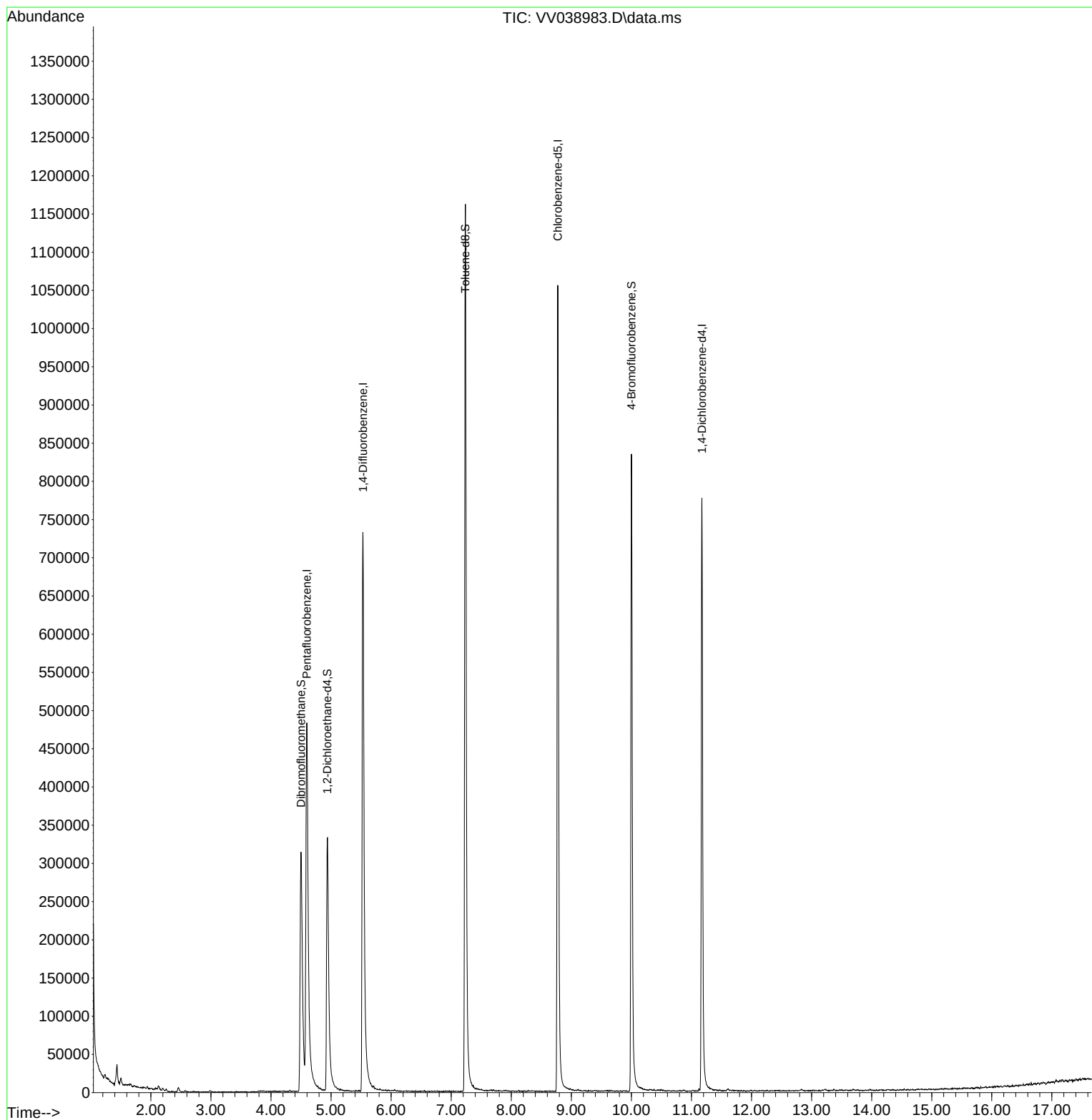
Target Compounds	Qvalue

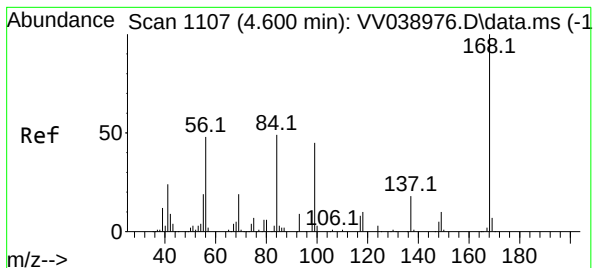
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.597 min Scan# 1106

Delta R.T. -0.003 min

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Instrument :

MSVOA_V

ClientSampleId :

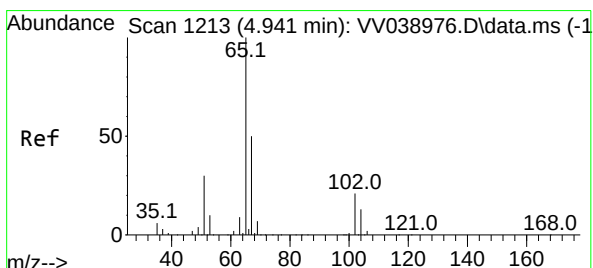
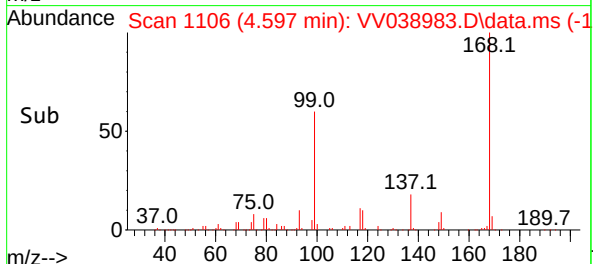
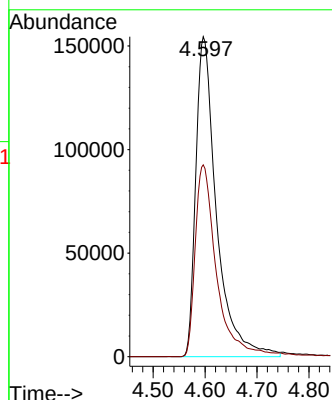
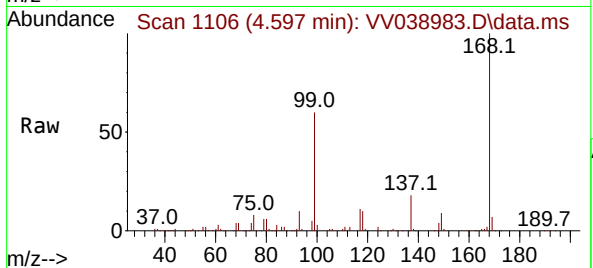
VV0821MBL01

Tgt Ion:168 Resp: 427239

Ion Ratio Lower Upper

168 100

99 59.9 47.0 70.6



#33

1,2-Dichloroethane-d4

Concen: 51.641 ug/l

RT: 4.937 min Scan# 1212

Delta R.T. -0.003 min

Lab File: VV038983.D

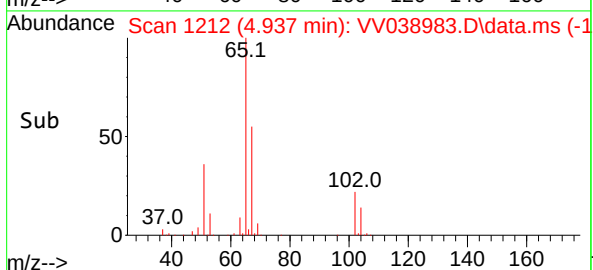
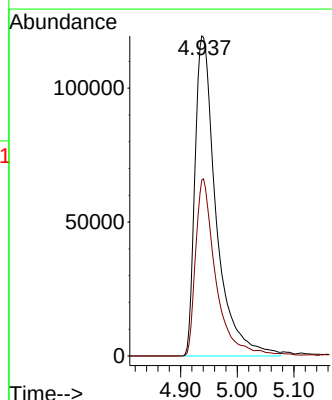
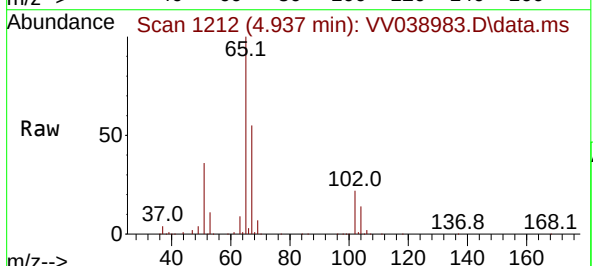
Acq: 21 Aug 2025 16:12

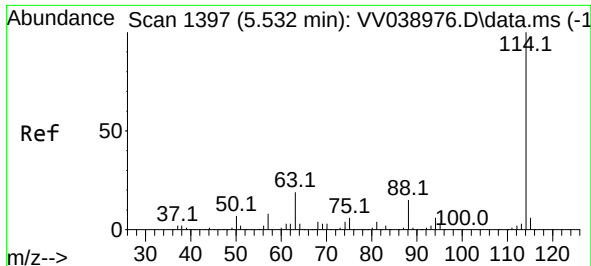
Tgt Ion: 65 Resp: 309584

Ion Ratio Lower Upper

65 100

67 51.6 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: VV038983.D

Acq: 21 Aug 2025 16:12

Instrument :

MSVOA_V

ClientSampleId :

VV0821MBL01

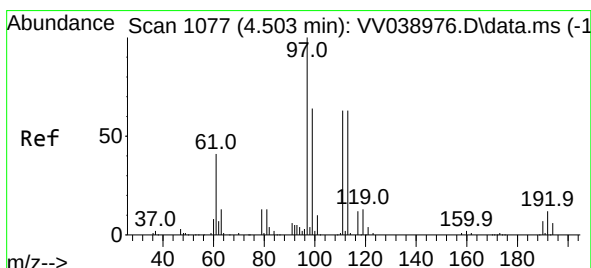
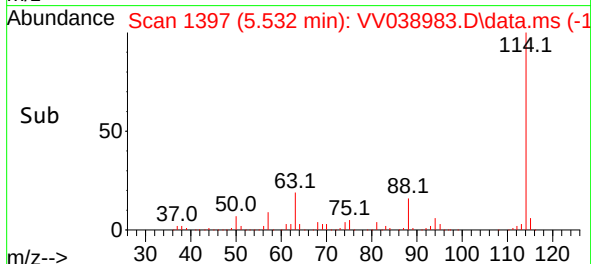
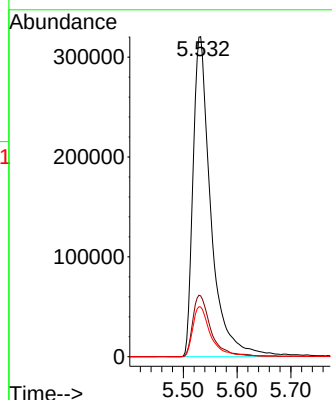
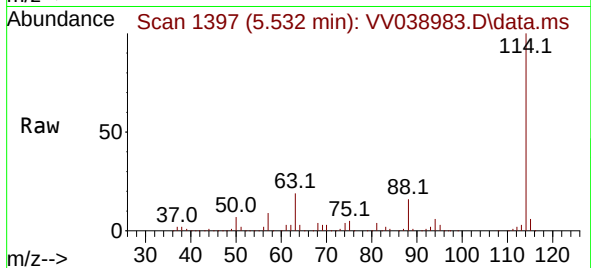
Tgt Ion:114 Resp: 741015

Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

88 15.5 0.0 30.4



#35

Dibromofluoromethane

Concen: 48.628 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. -0.003 min

Lab File: VV038983.D

Acq: 21 Aug 2025 16:12

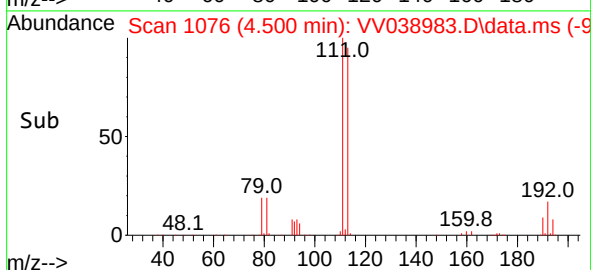
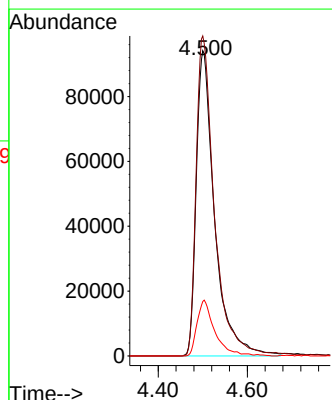
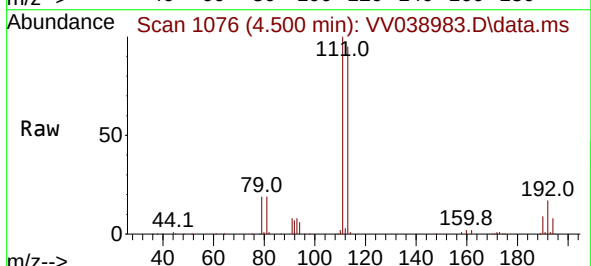
Tgt Ion:113 Resp: 270239

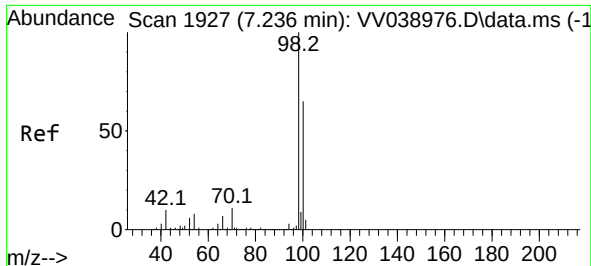
Ion Ratio Lower Upper

113 100

111 103.8 81.3 121.9

192 17.3 15.4 23.0

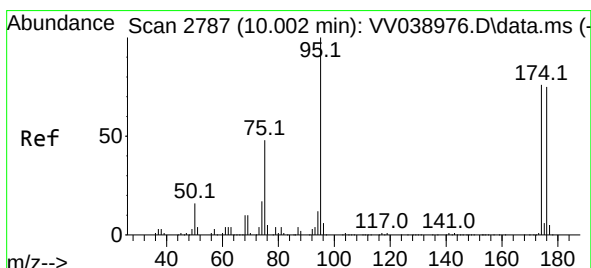
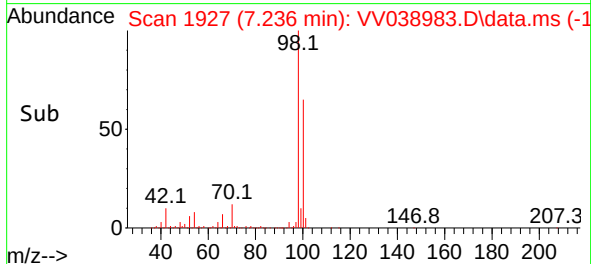
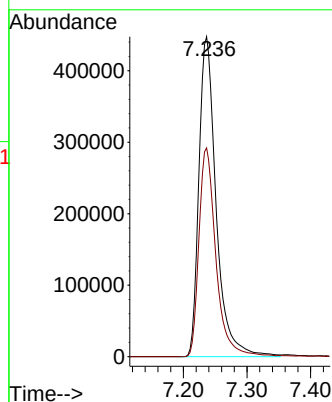
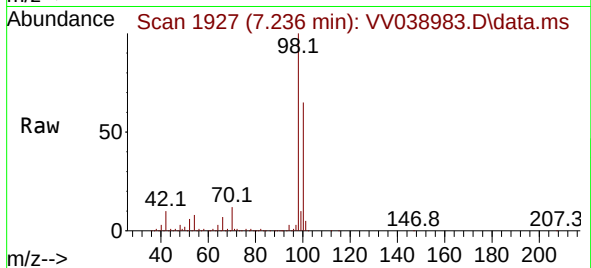




#50
Toluene-d8
Concen: 43.490 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

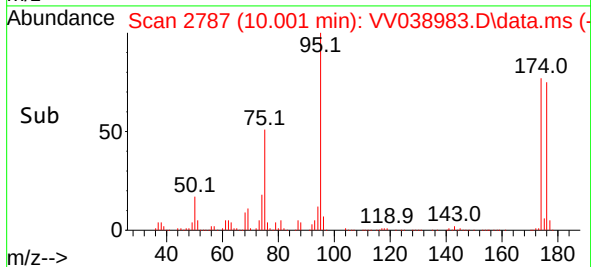
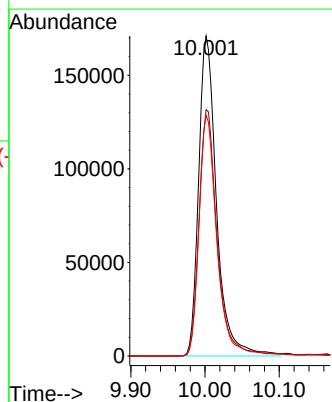
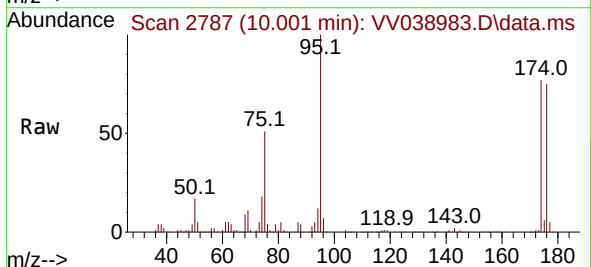
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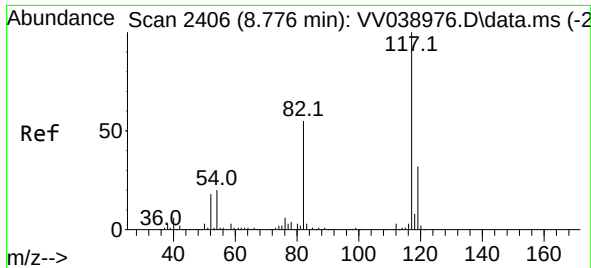
Tgt Ion: 98 Resp: 842767
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 40.468 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. -0.000 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

Tgt Ion: 95 Resp: 286884
Ion Ratio Lower Upper
95 100
174 77.1 0.0 154.4
176 75.6 0.0 148.6

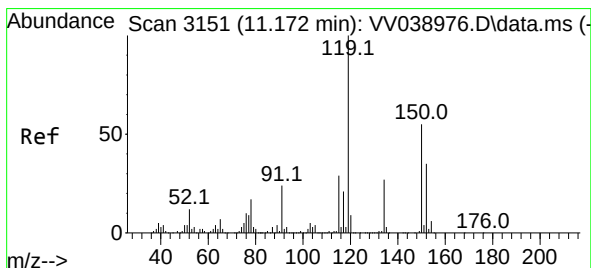
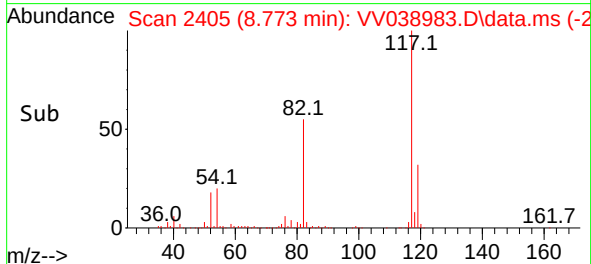
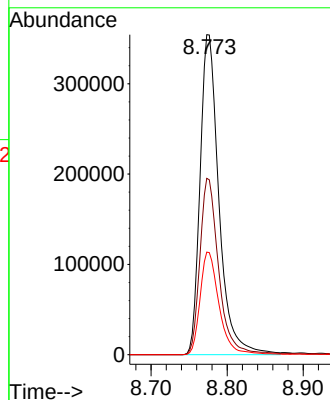
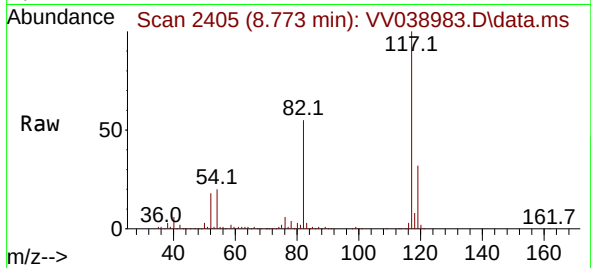




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV038983.D
Acq: 21 Aug 2025 16:12

Instrument :
MSVOA_V
ClientSampleId :
VV0821MBL01

Tgt Ion:117 Resp: 612117
Ion Ratio Lower Upper
117 100
82 55.1 44.4 66.6
119 32.1 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: VV038983.D
Acq: 21 Aug 2025 16:12

Tgt Ion:152 Resp: 211578
Ion Ratio Lower Upper
152 100
115 61.2 42.5 127.5
150 159.4 0.0 344.8

