

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086152.D
 Acq On : 28 Mar 2025 15:54
 Operator : JC\MD
 Sample : Q1661-02
 Misc : 5.08g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 351

Quant Time: Mar 28 23:38:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	162003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	297057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	268750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	116971	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	123540	55.689	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.380%
35) Dibromofluoromethane	8.165	113	107672	51.930	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.860%
50) Toluene-d8	10.565	98	357430	47.499	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.000%
62) 4-Bromofluorobenzene	12.847	95	108851	40.561	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	81.120%

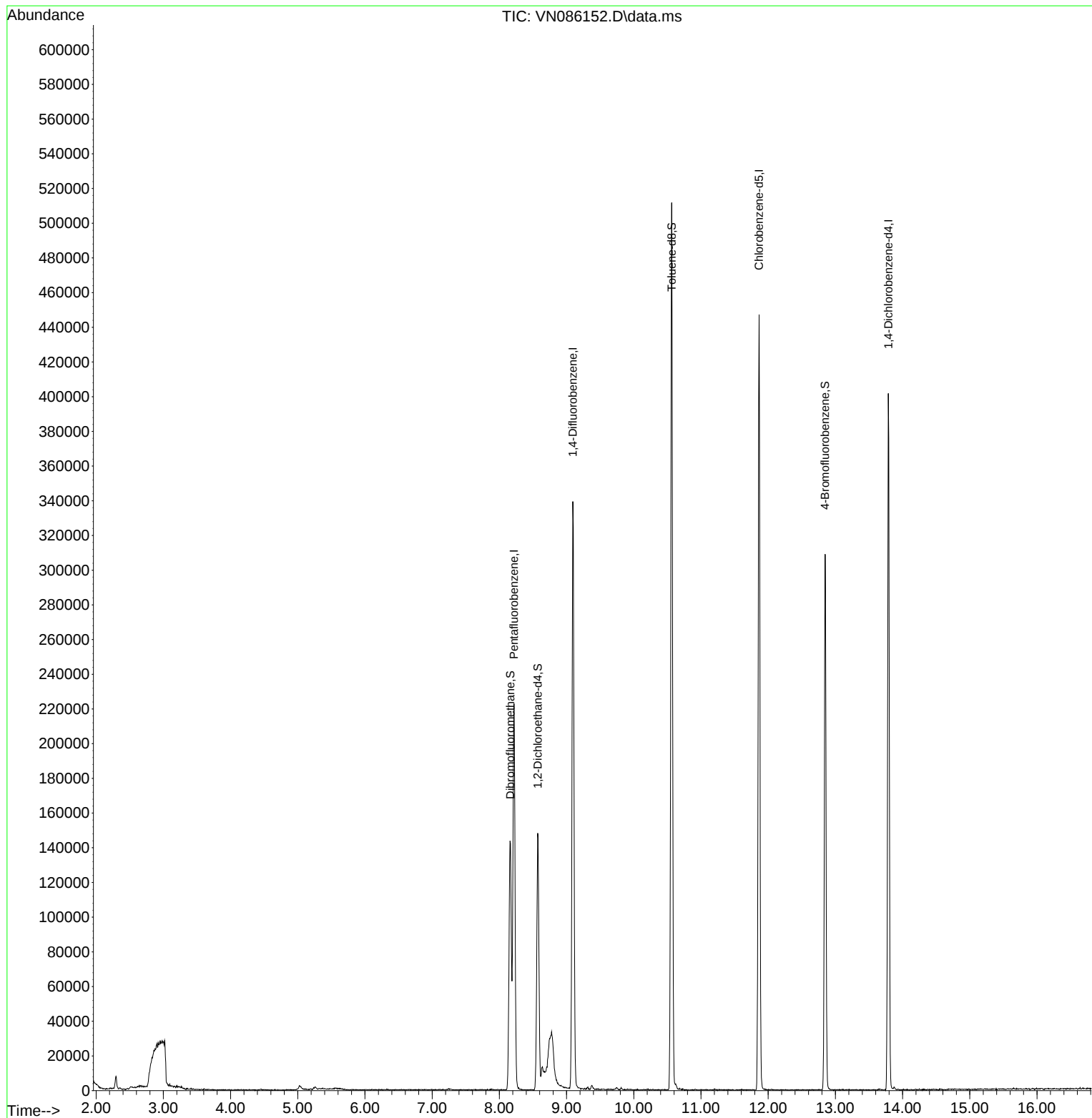
Target Compounds	Qvalue

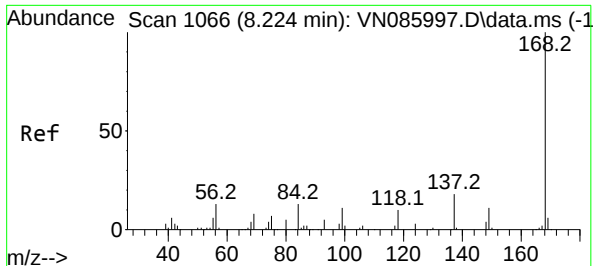
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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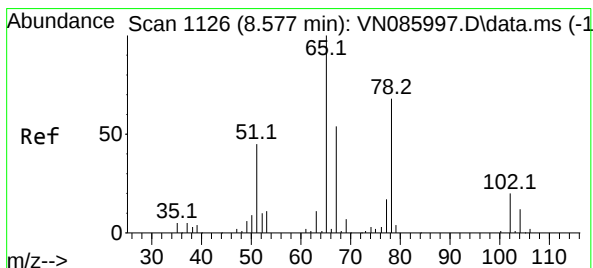
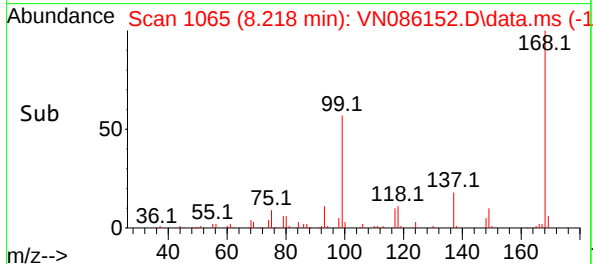
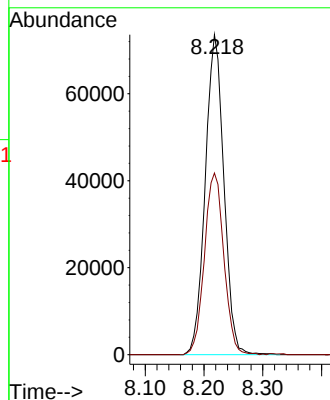
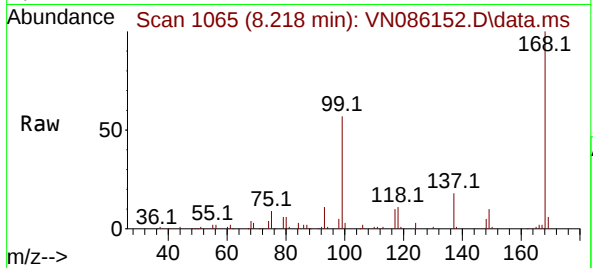




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

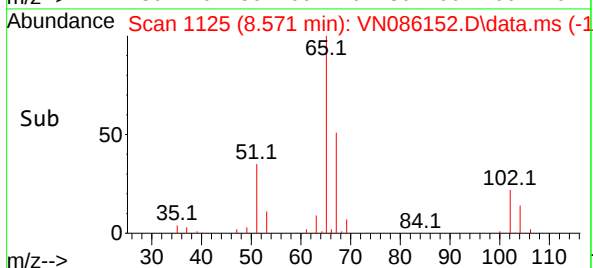
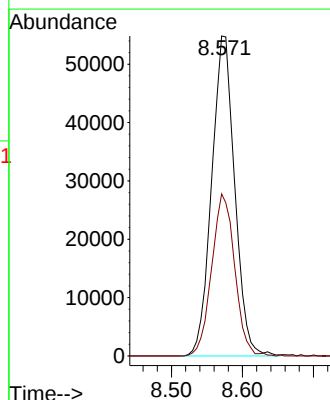
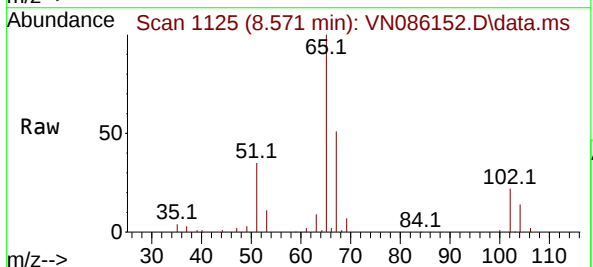
Instrument :
MSVOA_N
ClientSampleId :
351

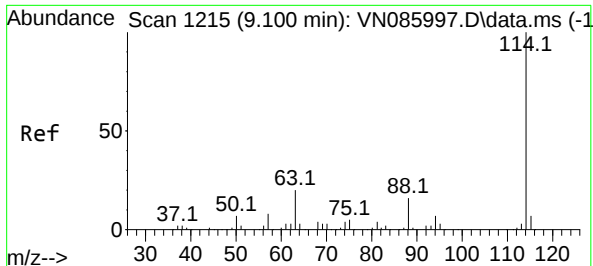
Tgt Ion:168 Resp: 162003
Ion Ratio Lower Upper
168 100
99 56.7 49.4 74.2



#33
1,2-Dichloroethane-d4
Concen: 55.689 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

Tgt Ion: 65 Resp: 123540
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086152.D

Acq: 28 Mar 2025 15:54

Instrument :

MSVOA_N

ClientSampleId :

351

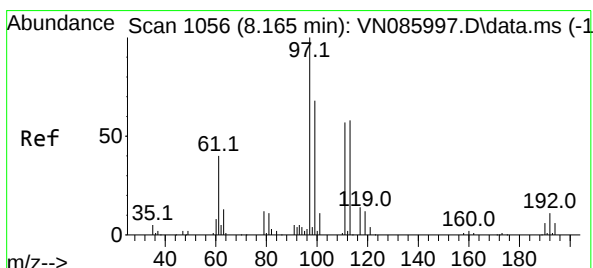
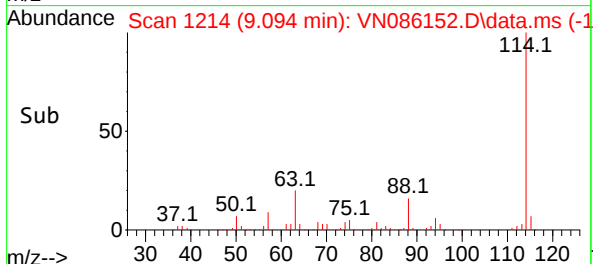
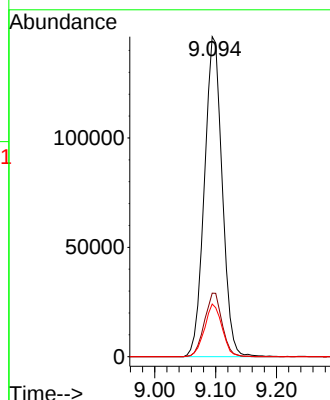
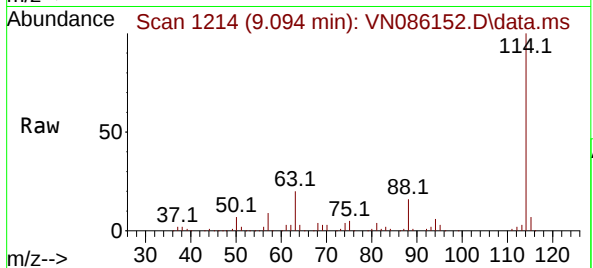
Tgt Ion:114 Resp: 297057

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

88 16.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 51.930 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086152.D

Acq: 28 Mar 2025 15:54

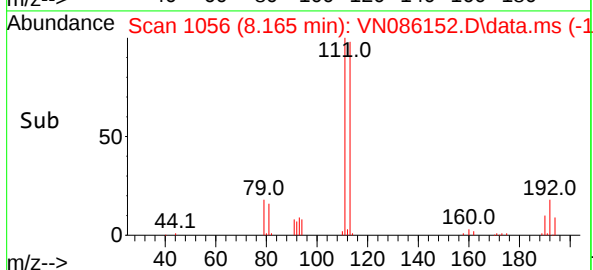
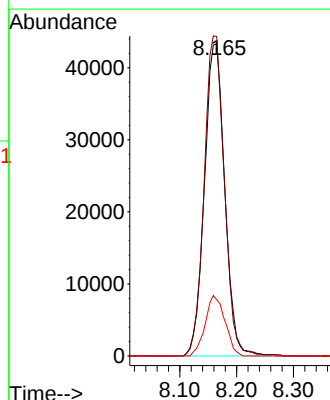
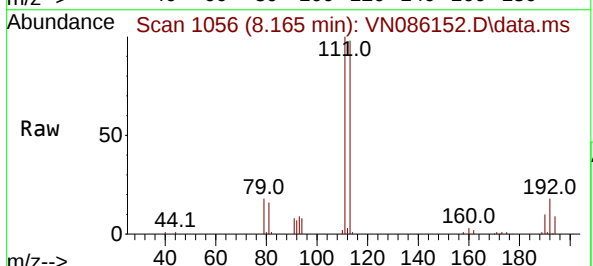
Tgt Ion:113 Resp: 107672

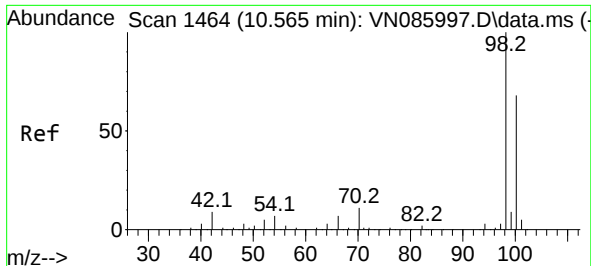
Ion Ratio Lower Upper

113 100

111 101.4 81.8 122.8

192 18.8 15.9 23.9

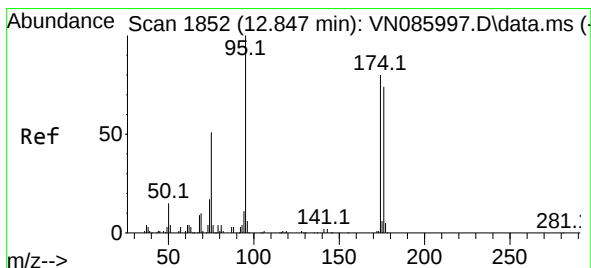
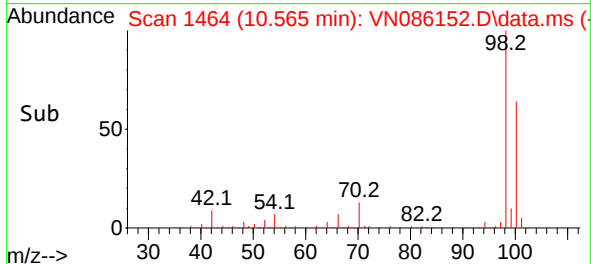
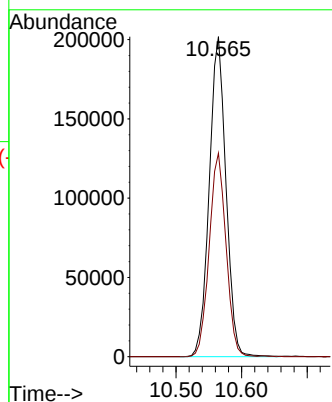
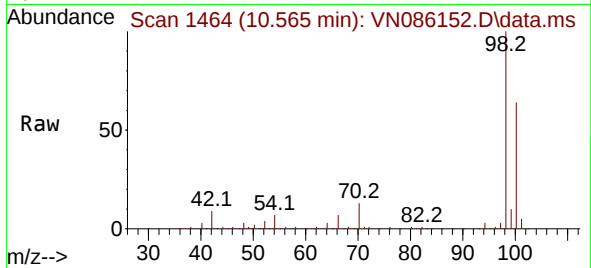




#50
Toluene-d8
Concen: 47.499 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

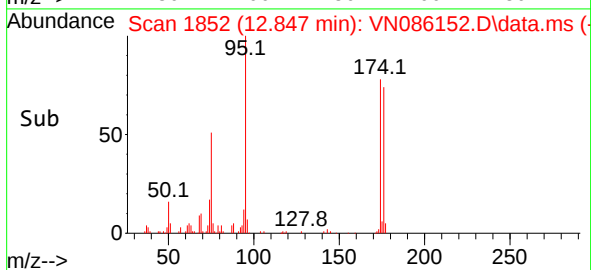
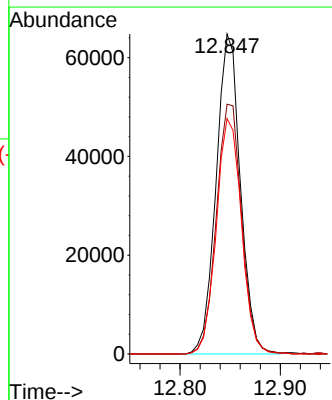
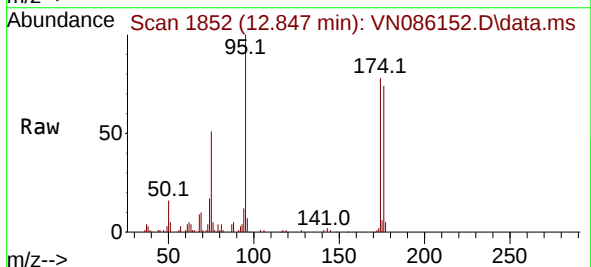
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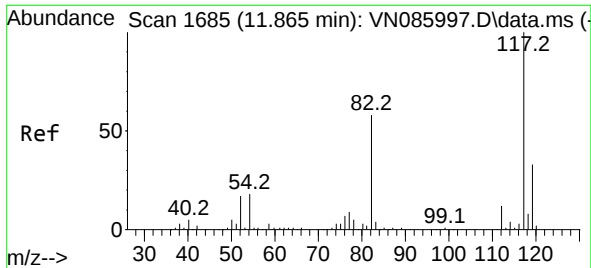
Tgt Ion: 98 Resp: 357430
Ion Ratio Lower Upper
98 100
100 63.9 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 40.561 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

Tgt Ion: 95 Resp: 108851
Ion Ratio Lower Upper
95 100
174 81.6 0.0 156.8
176 76.2 0.0 152.2

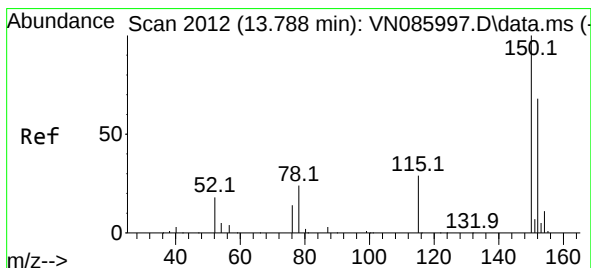
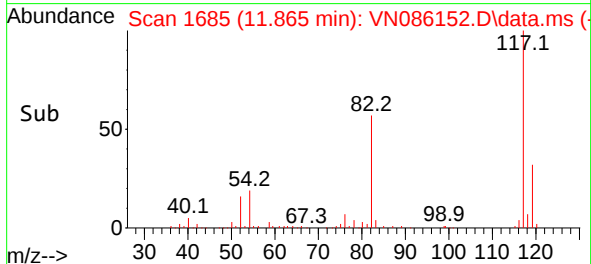
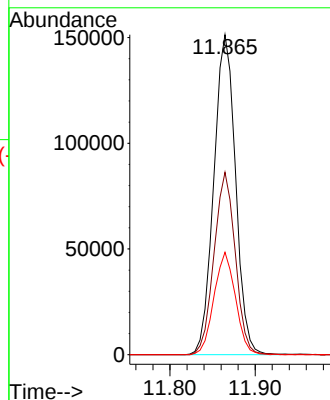
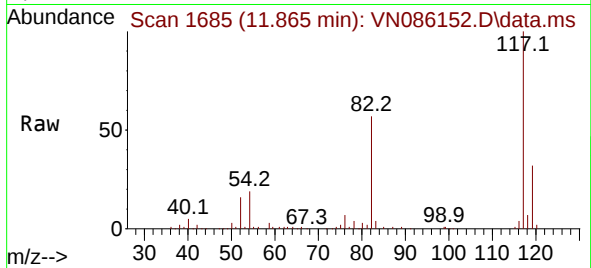




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

Instrument :
MSVOA_N
ClientSampleId :
351

Tgt Ion:117 Resp: 268750
Ion Ratio Lower Upper
117 100
82 57.0 46.7 70.1
119 32.0 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086152.D
Acq: 28 Mar 2025 15:54

Tgt Ion:152 Resp: 116971
Ion Ratio Lower Upper
152 100
115 59.7 31.1 93.2
150 156.0 0.0 359.6

