

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052725\
 Data File : VN086778.D
 Acq On : 27 May 2025 12:19
 Operator : JC\MD
 Sample : VN0527WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0527WBL01

Quant Time: May 29 01:45:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	235047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	440610	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	424414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	190193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145425	44.775	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.540%
35) Dibromofluoromethane	8.165	113	132407	50.460	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.920%
50) Toluene-d8	10.565	98	560012	51.500	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.000%
62) 4-Bromofluorobenzene	12.847	95	204508	53.263	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	106.520%

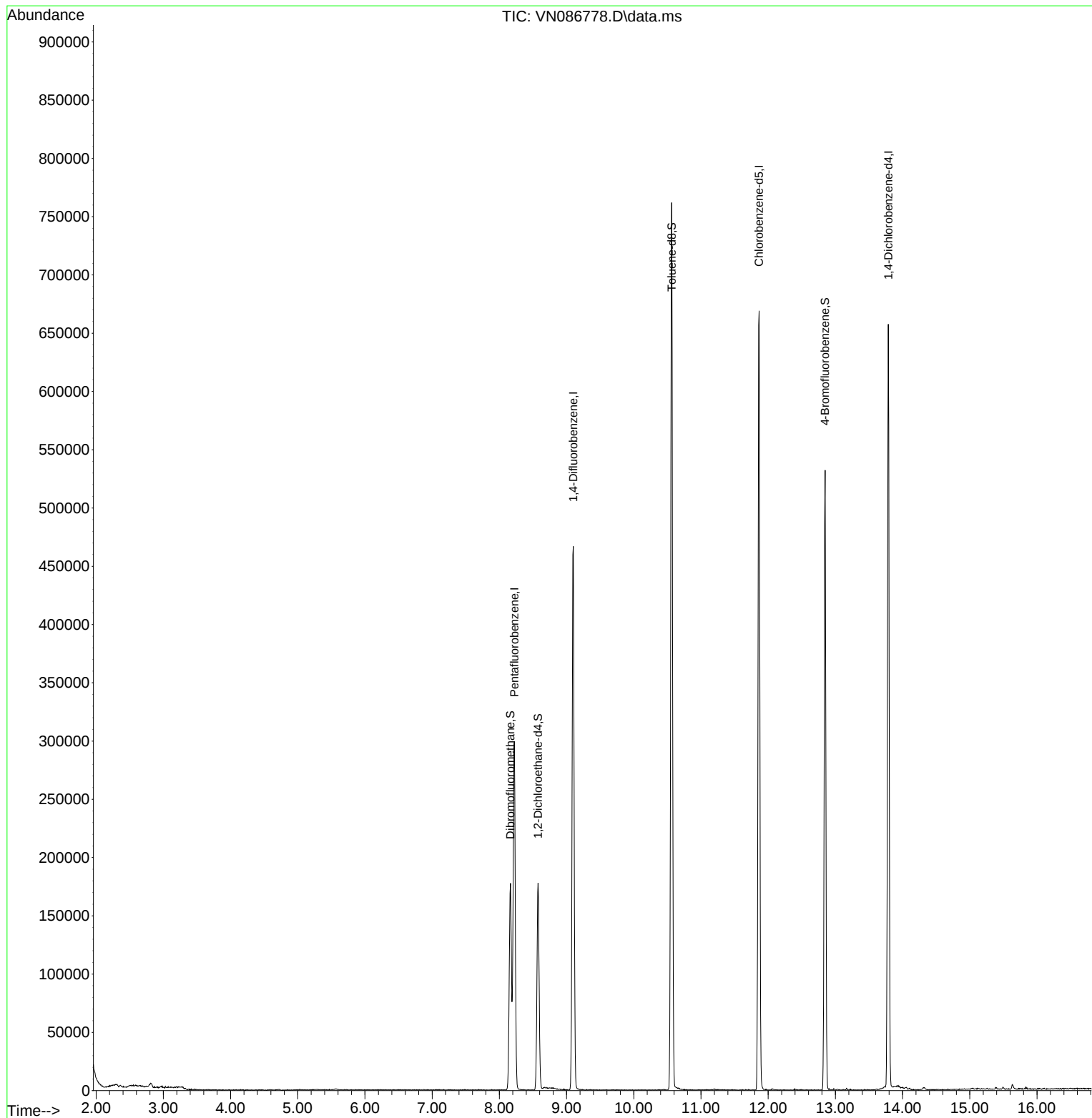
Target Compounds	Qvalue

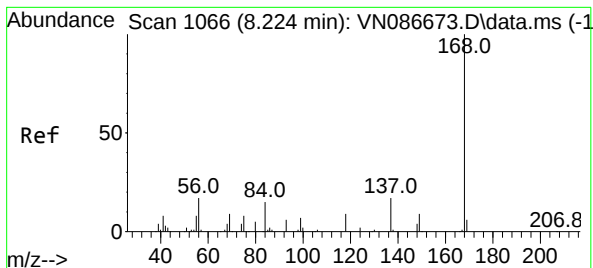
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VN086778.D

Acq: 27 May 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

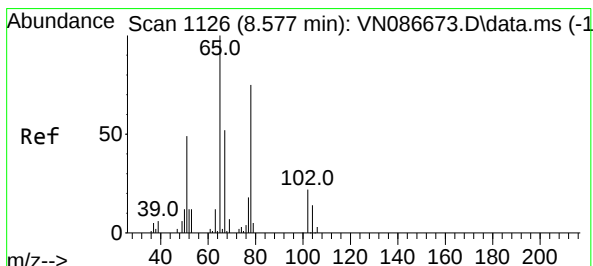
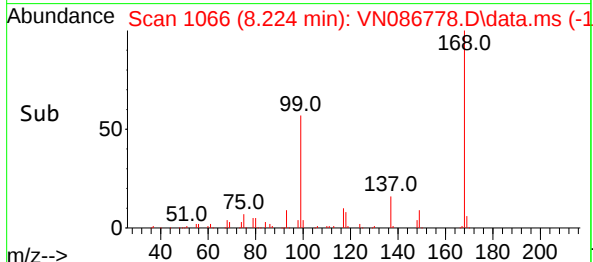
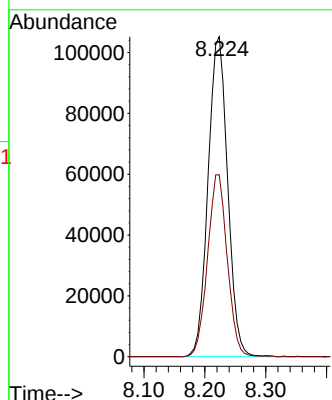
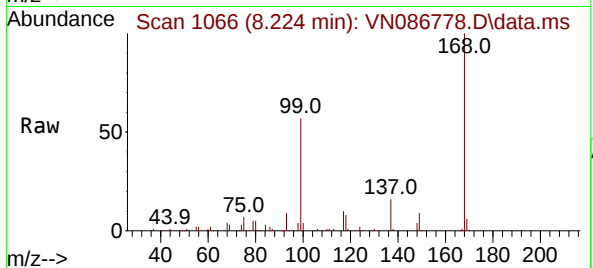
VN0527WBL01

Tgt Ion:168 Resp: 235047

Ion Ratio Lower Upper

168 100

99 56.9 47.0 70.4



#33

1,2-Dichloroethane-d4

Concen: 44.775 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086778.D

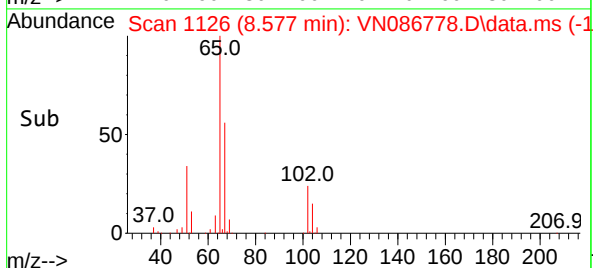
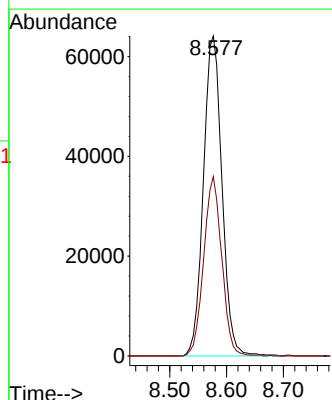
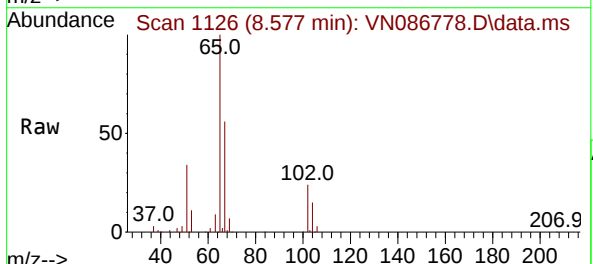
Acq: 27 May 2025 12:19

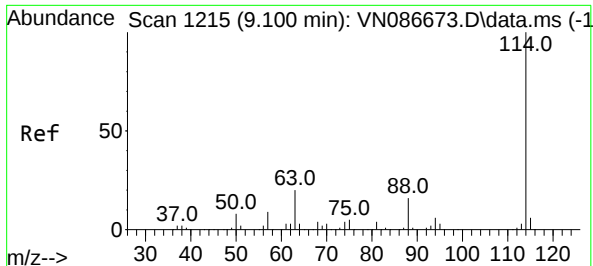
Tgt Ion: 65 Resp: 145425

Ion Ratio Lower Upper

65 100

67 54.5 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086778.D

Acq: 27 May 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0527WBL01

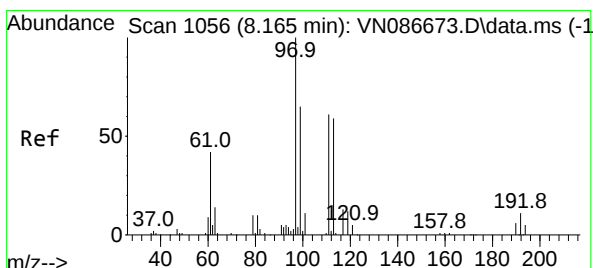
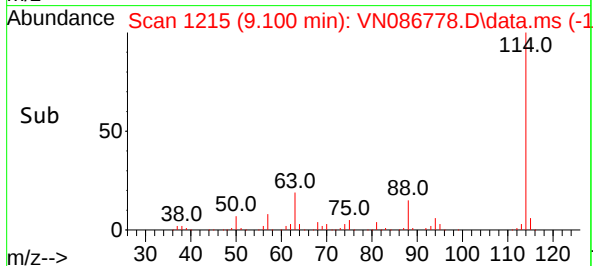
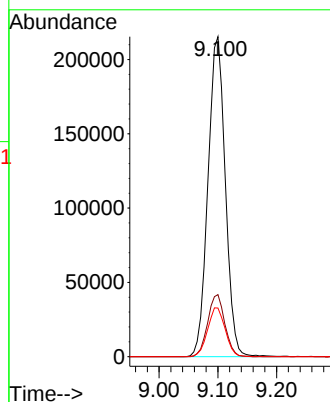
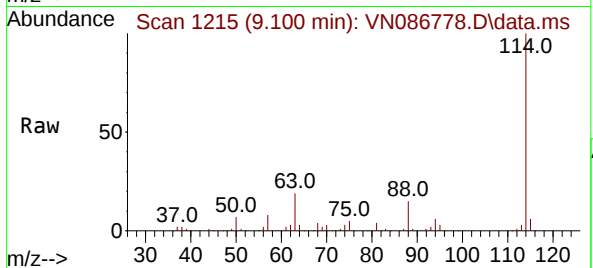
Tgt Ion:114 Resp: 440610

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.2

88 15.2 0.0 31.2



#35

Dibromofluoromethane

Concen: 50.460 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086778.D

Acq: 27 May 2025 12:19

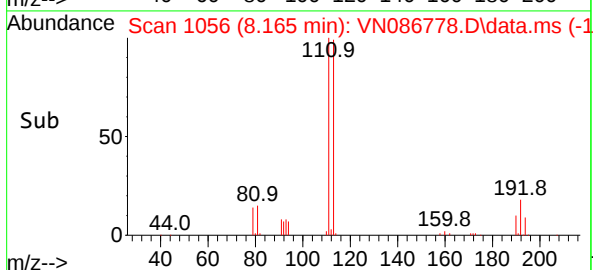
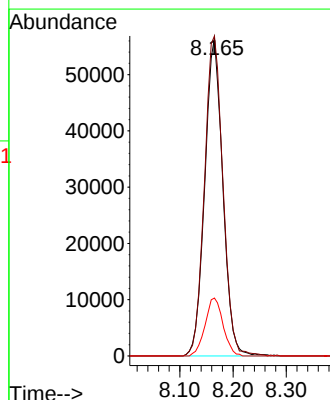
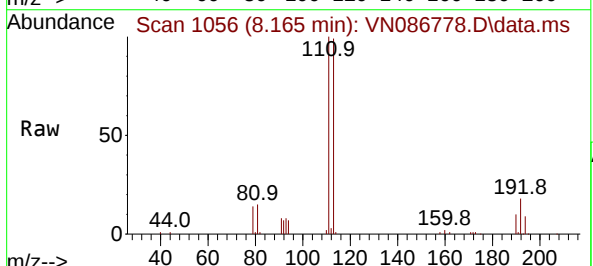
Tgt Ion:113 Resp: 132407

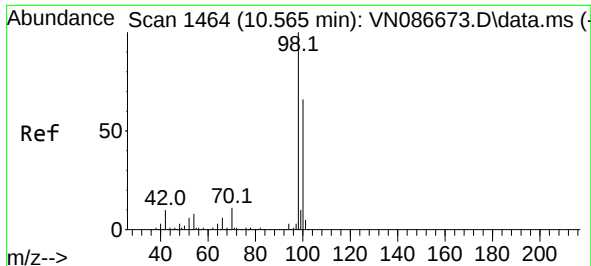
Ion Ratio Lower Upper

113 100

111 103.3 82.2 123.2

192 18.2 13.8 20.8

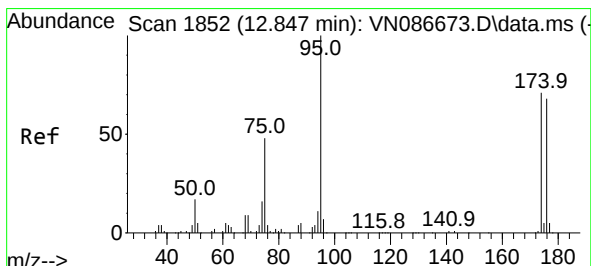
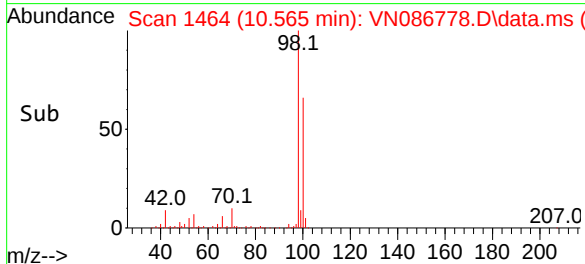
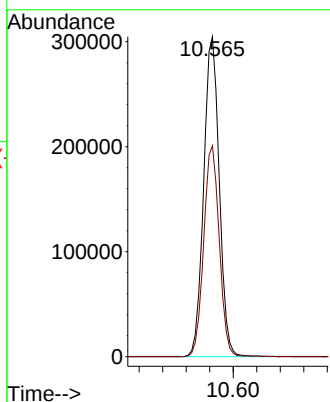
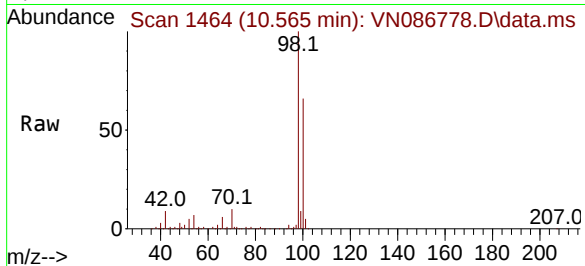




#50
Toluene-d8
Concen: 51.500 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

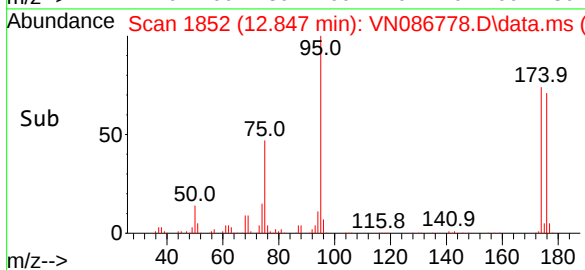
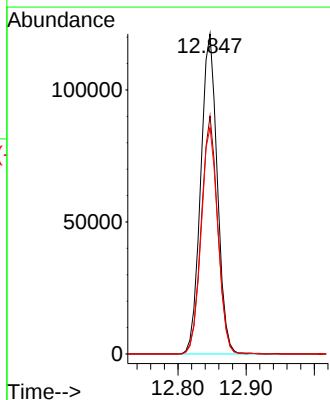
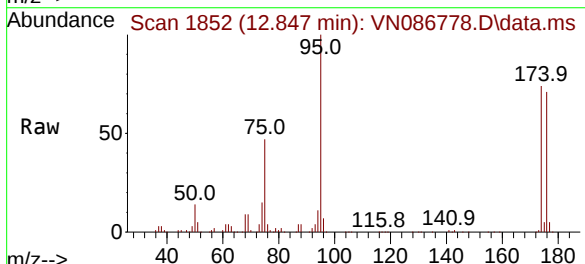
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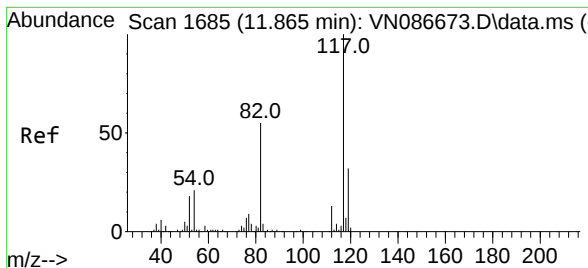
Tgt Ion: 98 Resp: 560012
Ion Ratio Lower Upper
98 100
100 65.9 52.9 79.3



#62
4-Bromofluorobenzene
Concen: 53.263 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086778.D
Acq: 27 May 2025 12:19

Tgt Ion: 95 Resp: 204508
Ion Ratio Lower Upper
95 100
174 73.7 0.0 145.4
176 71.1 0.0 137.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086778.D

Acq: 27 May 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

VN0527WBL01

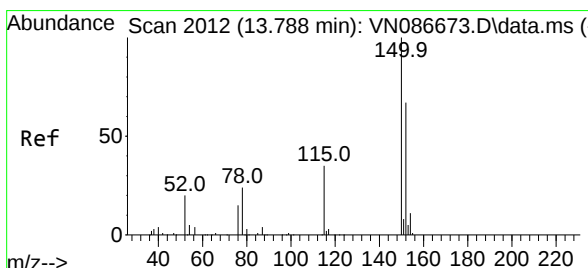
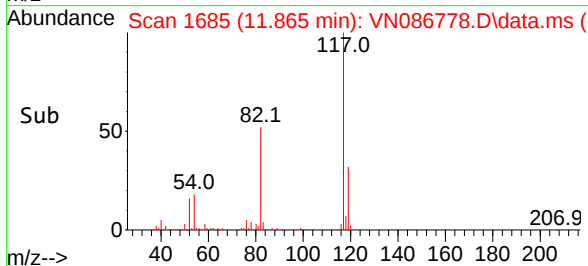
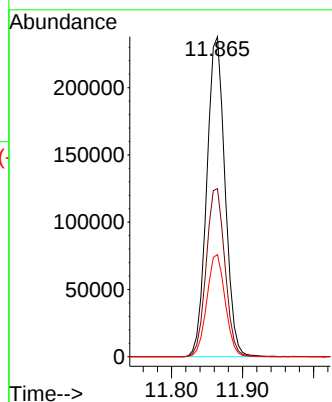
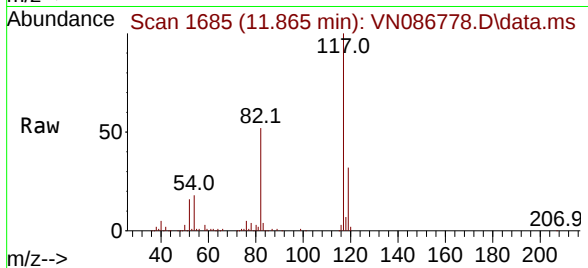
Tgt Ion:117 Resp: 424414

Ion Ratio Lower Upper

117 100

82 52.5 44.2 66.2

119 31.9 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.000 min

Lab File: VN086778.D

Acq: 27 May 2025 12:19

Tgt Ion:152 Resp: 190193

Ion Ratio Lower Upper

152 100

115 60.0 30.0 90.1

150 157.5 0.0 347.8

