

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020425\
 Data File : VN085662.D
 Acq On : 04 Feb 2025 19:27
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Feb 05 01:10:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 15 02:16:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	189243	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	358241	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	310149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127948	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	142326	46.591	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.180%
35) Dibromofluoromethane	8.165	113	120546	48.503	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.000%
50) Toluene-d8	10.565	98	434345	49.188	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.380%
62) 4-Bromofluorobenzene	12.847	95	132541	43.879	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	87.760%

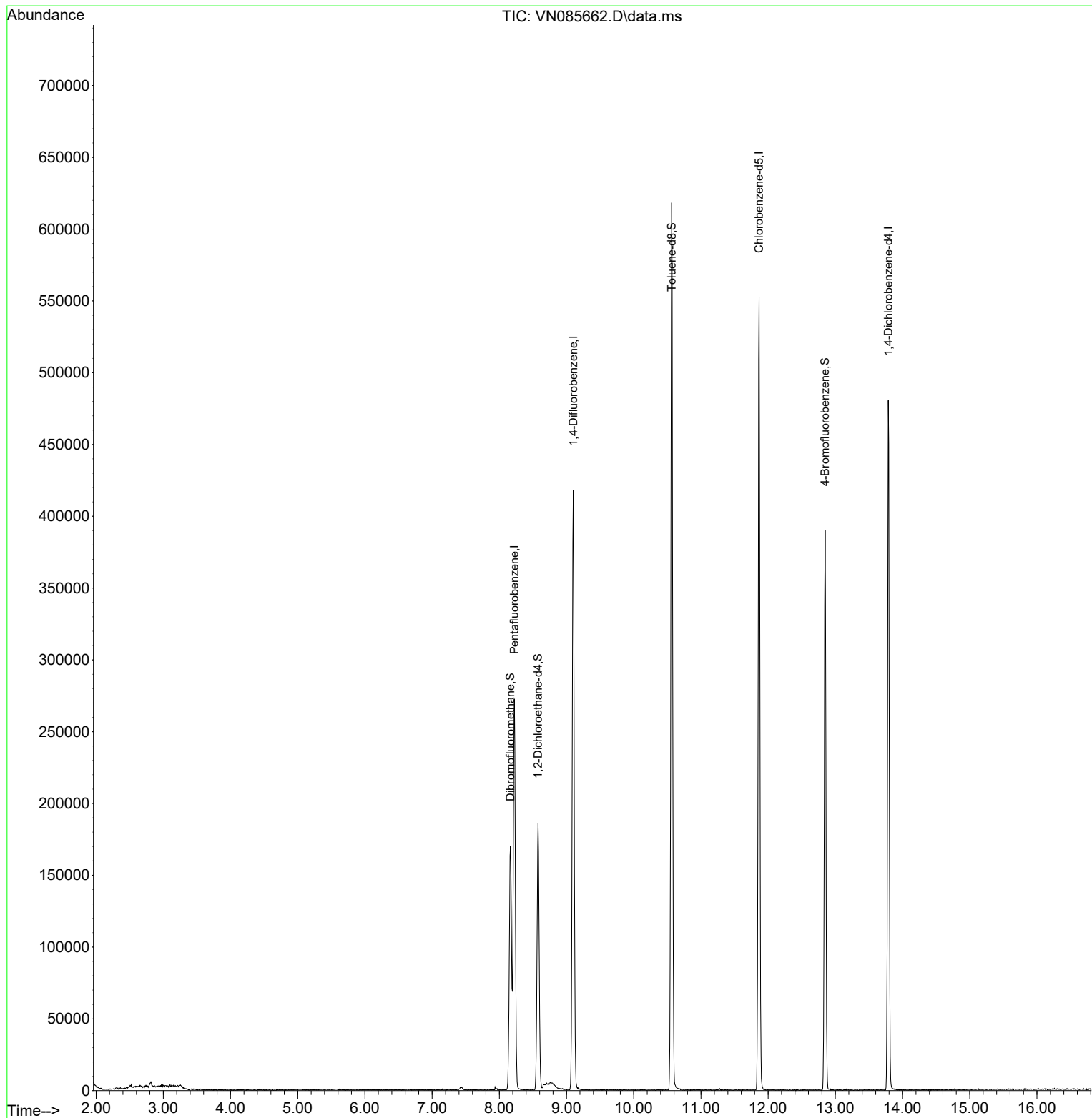
Target Compounds	Qvalue

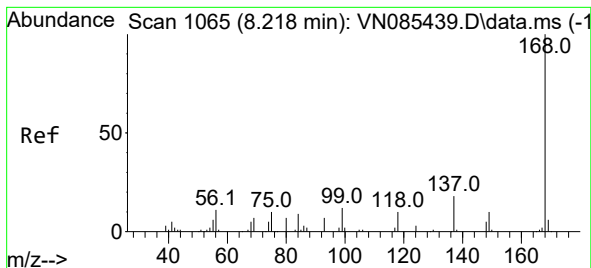
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN085662.D

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Instrument :

MSVOA_N

ClientSampleId :

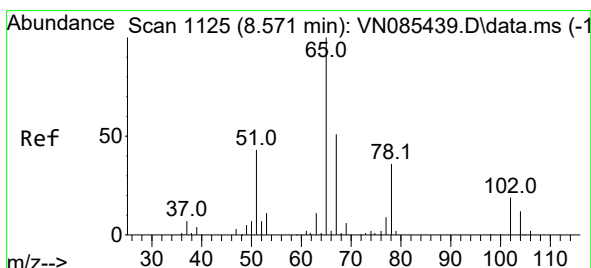
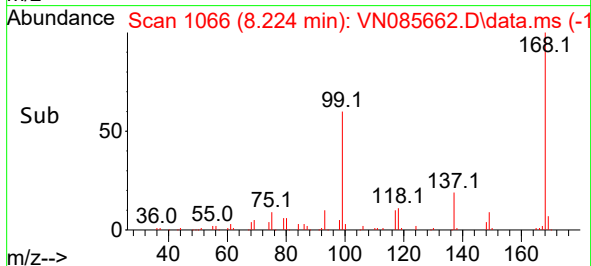
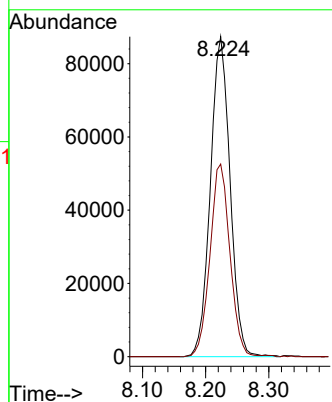
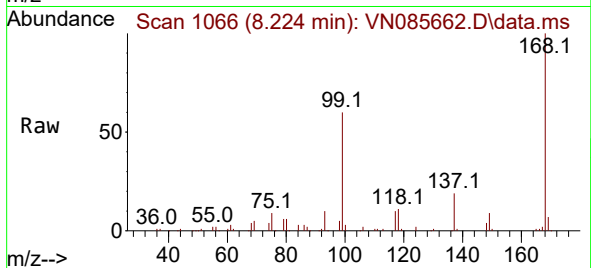
IBLK

Tgt Ion:168 Resp: 189243

Ion Ratio Lower Upper

168 100

99 60.2 53.6 80.4



#33

1,2-Dichloroethane-d4

Concen: 46.591 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VN085662.D

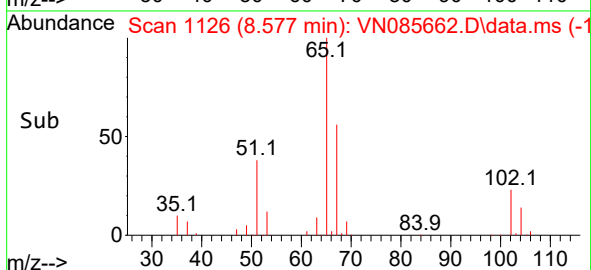
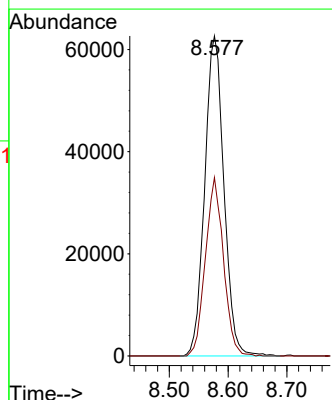
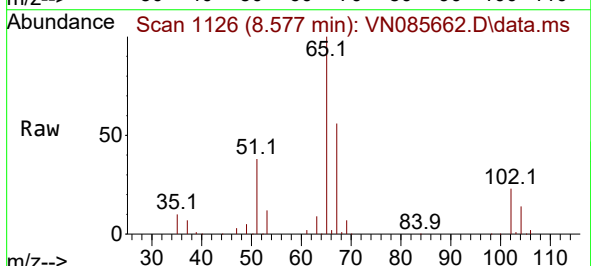
Acq: 04 Feb 2025 19:27

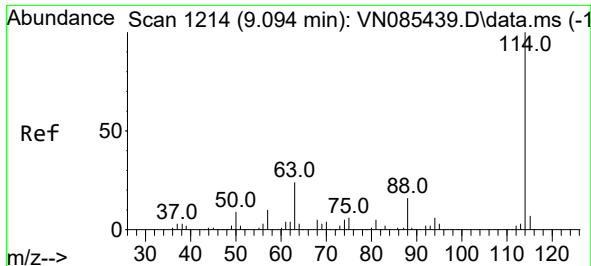
Tgt Ion: 65 Resp: 142326

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN085662.D

Acq: 04 Feb 2025 19:27

Instrument :

MSVOA_N

ClientSampleId :

IBLK

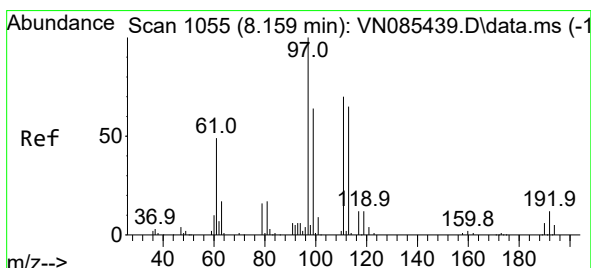
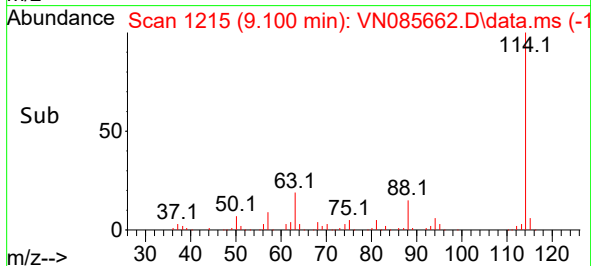
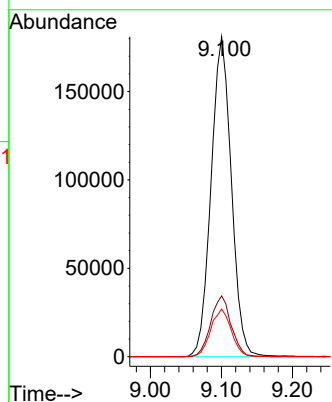
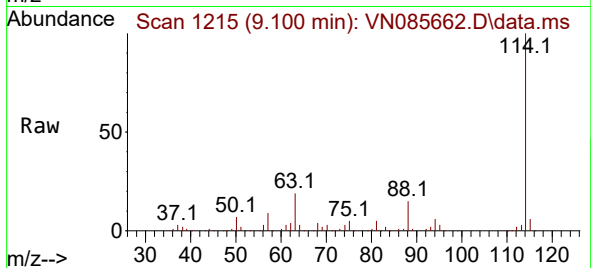
Tgt Ion:114 Resp: 358241

Ion Ratio Lower Upper

114 100

63 19.0 0.0 47.6

88 14.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.503 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VN085662.D

Acq: 04 Feb 2025 19:27

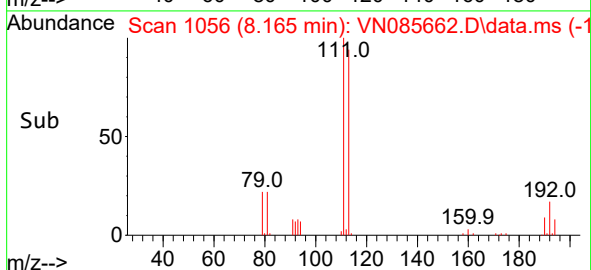
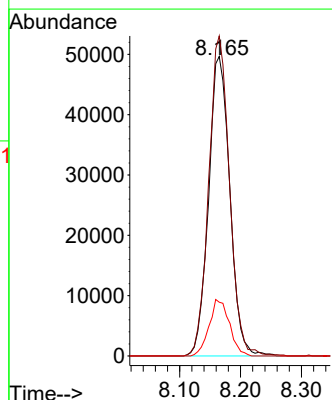
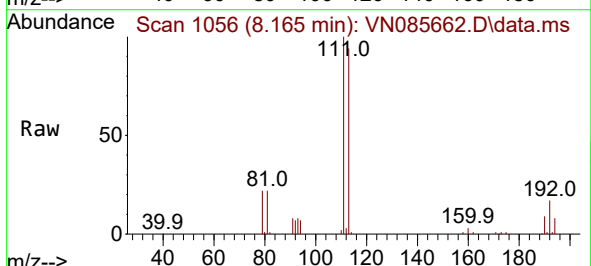
Tgt Ion:113 Resp: 120546

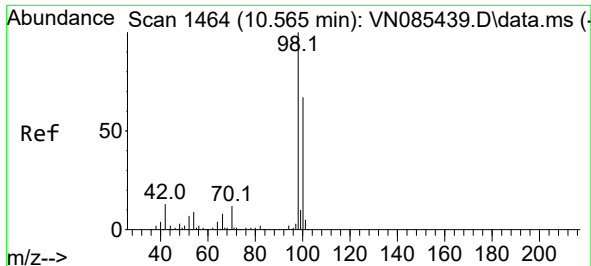
Ion Ratio Lower Upper

113 100

111 104.4 82.7 124.1

192 18.0 14.3 21.5

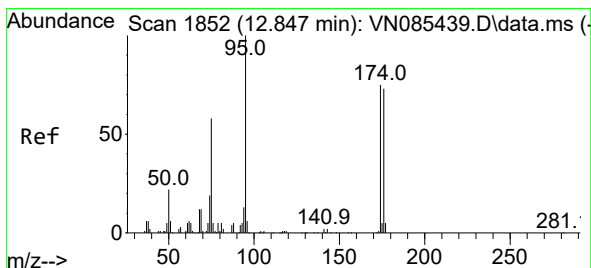
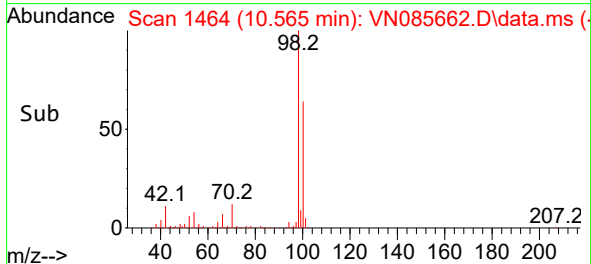
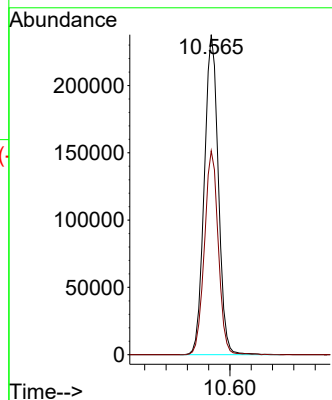
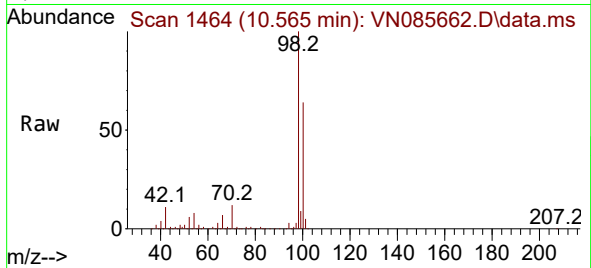




#50
Toluene-d8
Concen: 49.188 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN085662.D
Acq: 04 Feb 2025 19:27

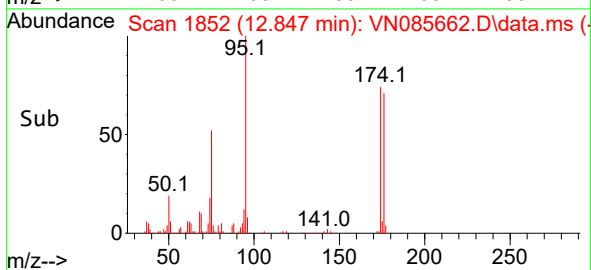
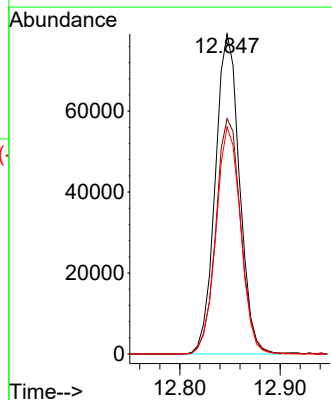
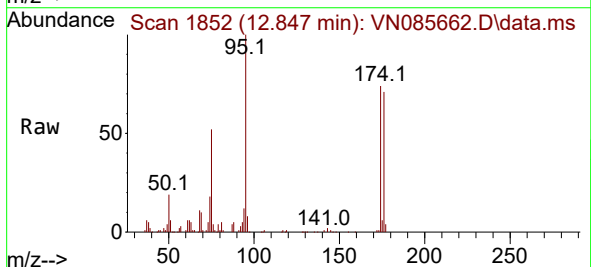
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IBLK

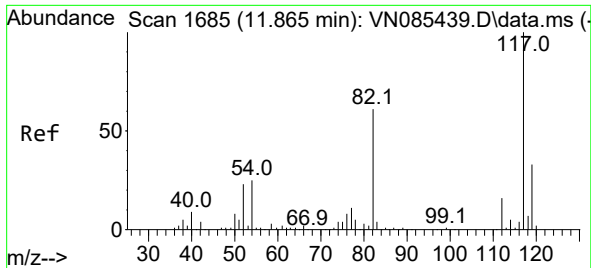
Tgt Ion: 98 Resp: 434345
Ion Ratio Lower Upper
98 100
100 62.9 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 43.879 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085662.D
Acq: 04 Feb 2025 19:27

Tgt Ion: 95 Resp: 132541
Ion Ratio Lower Upper
95 100
174 75.7 0.0 145.0
176 72.0 0.0 142.4

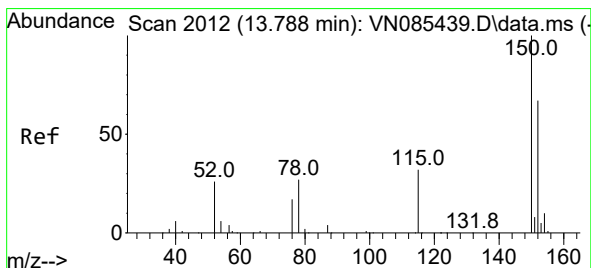
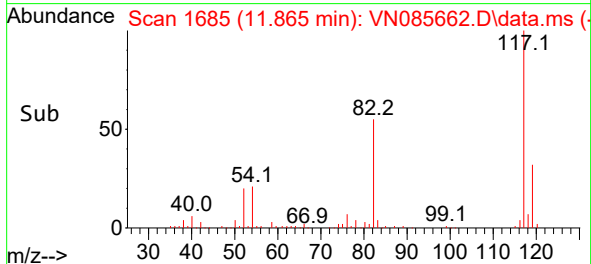
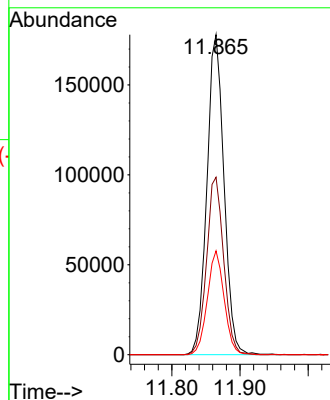
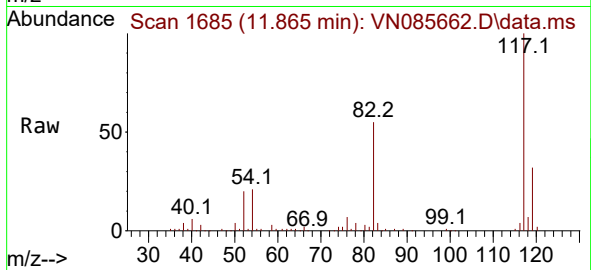




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085662.D
Acq: 04 Feb 2025 19:27

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 310149
Ion Ratio Lower Upper
117 100
82 55.5 48.6 72.8
119 32.5 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085662.D
Acq: 04 Feb 2025 19:27

Tgt Ion:152 Resp: 127948
Ion Ratio Lower Upper
152 100
115 61.0 31.1 93.3
150 160.7 0.0 343.6

