

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041625\
 Data File : VN086303.D
 Acq On : 16 Apr 2025 17:39
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Apr 17 03:08:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.218	168	199271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	388564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	369369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	169507	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146444	50.680	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.360%
35) Dibromofluoromethane	8.165	113	100601	55.785	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	111.560%
50) Toluene-d8	10.565	98	495275	51.387	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.780%
62) 4-Bromofluorobenzene	12.847	95	190802	54.276	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	108.560%

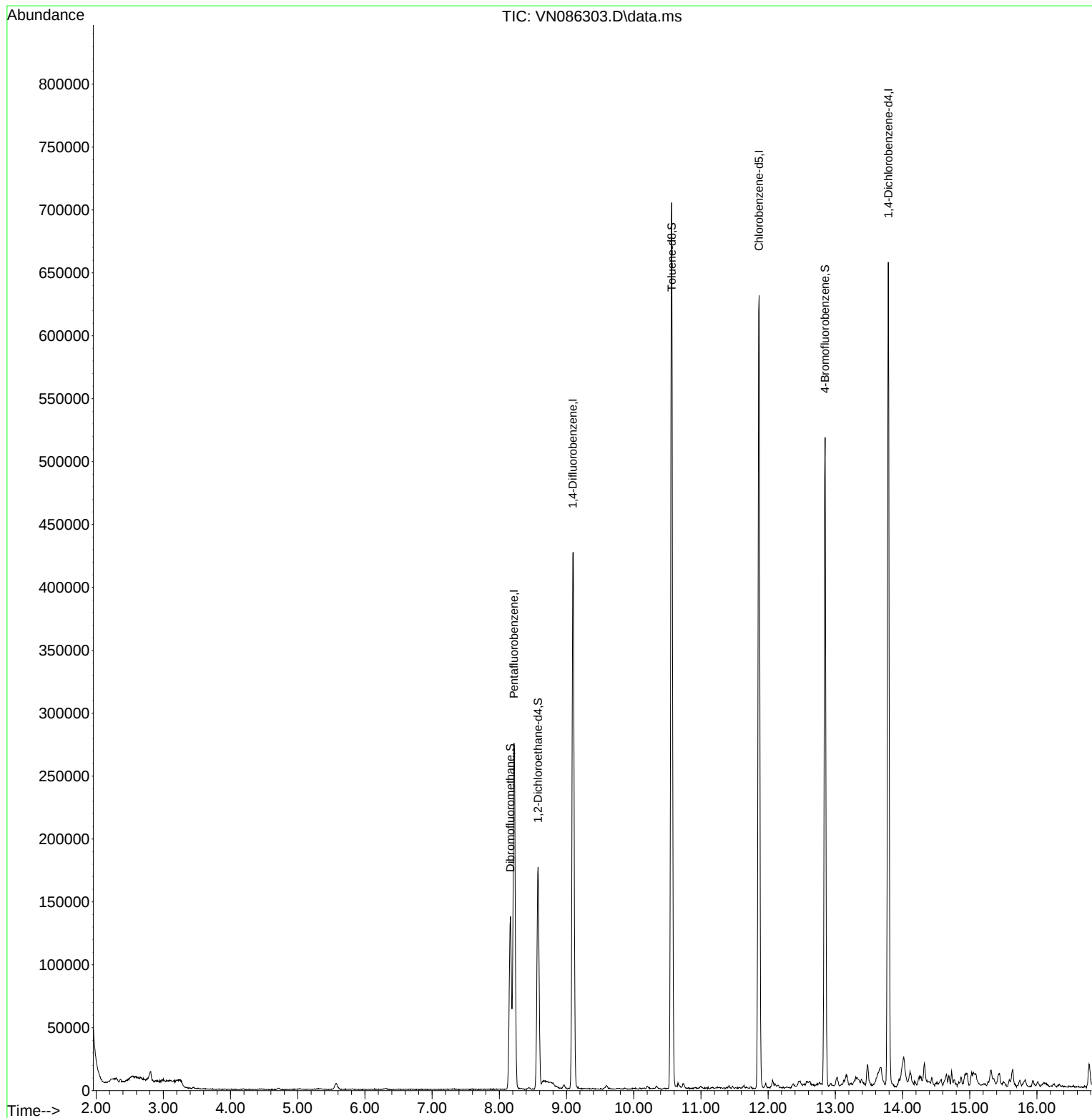
Target Compounds	Qvalue

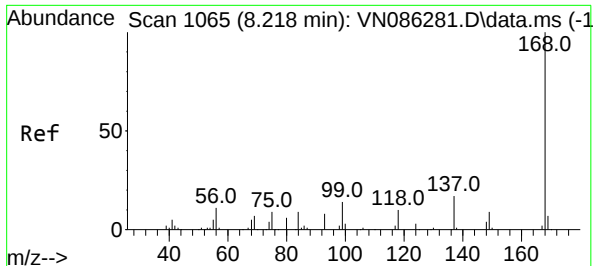
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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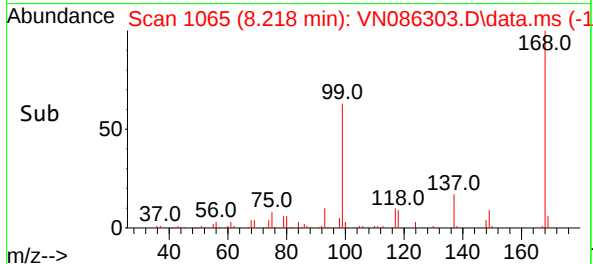
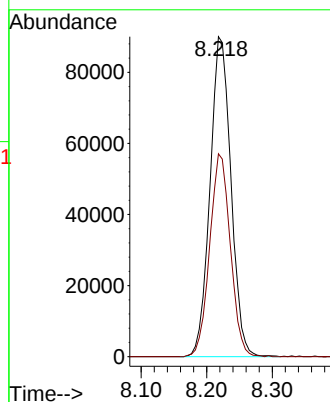
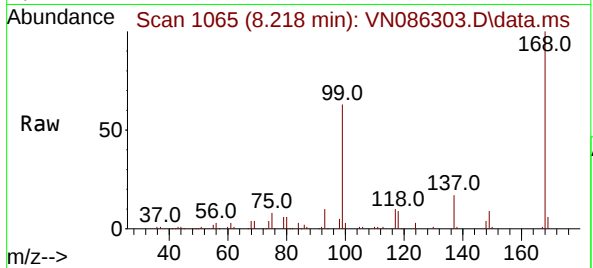




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

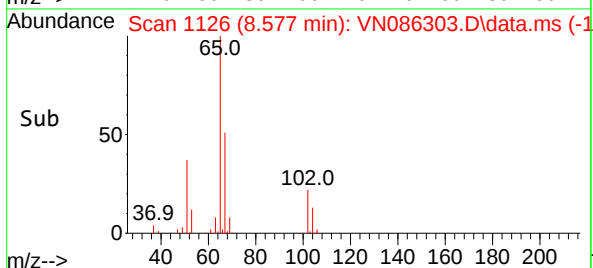
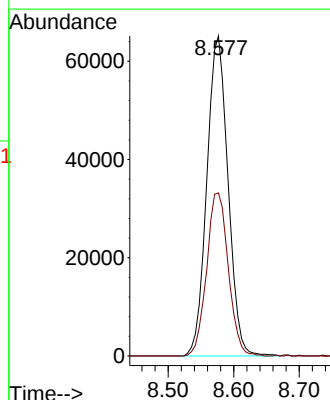
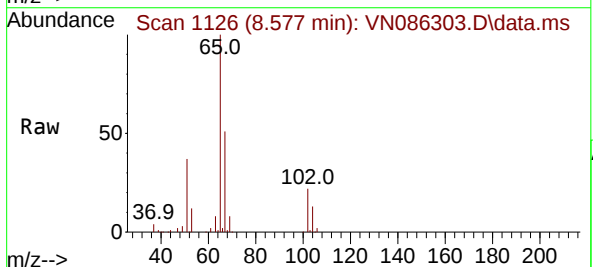
Instrument :
MSVOA_N
ClientSampleId :
IBLK

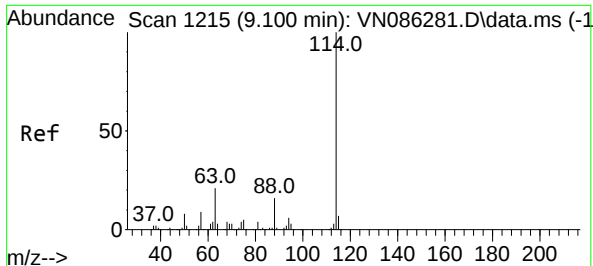
Tgt Ion:168 Resp: 199271
Ion Ratio Lower Upper
168 100
99 63.4 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 50.680 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Tgt Ion: 65 Resp: 146444
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.0

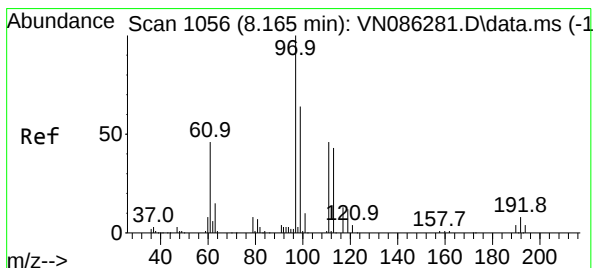
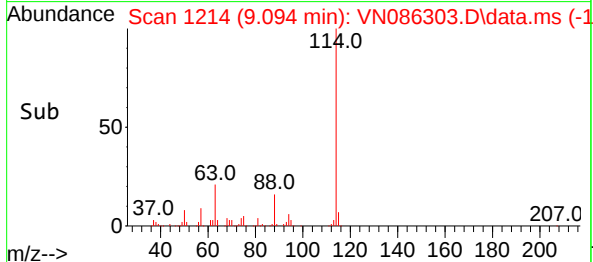
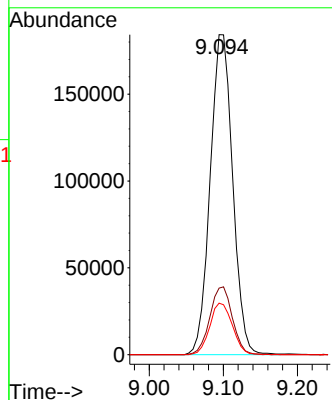
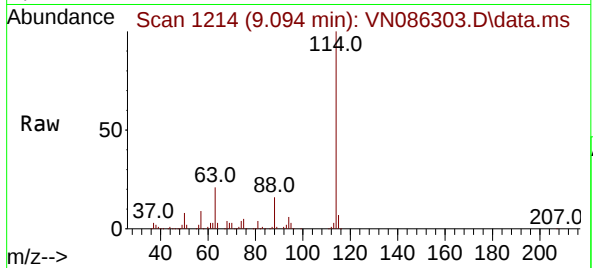




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

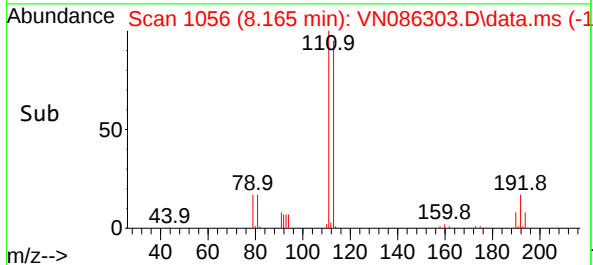
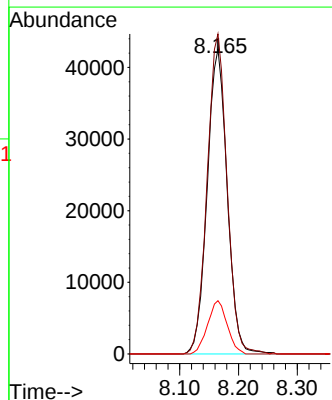
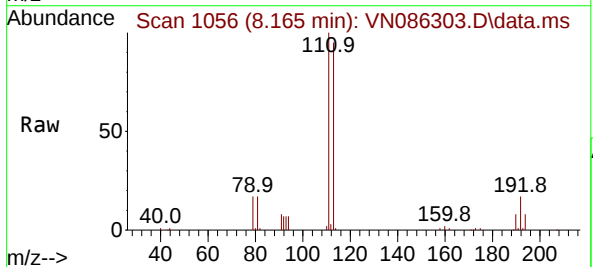
Instrument :
MSVOA_N
ClientSampleId :
IBLK

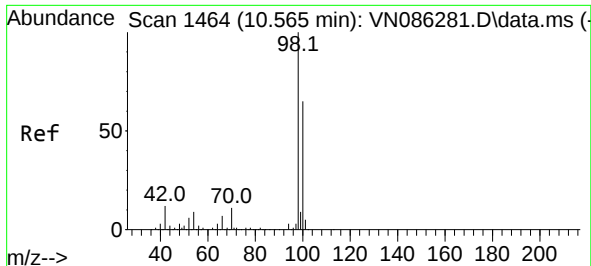
Tgt Ion:114 Resp: 388564
Ion Ratio Lower Upper
114 100
63 20.8 0.0 42.6
88 16.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 55.785 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Tgt Ion:113 Resp: 100601
Ion Ratio Lower Upper
113 100
111 104.1 83.4 125.0
192 17.1 13.7 20.5

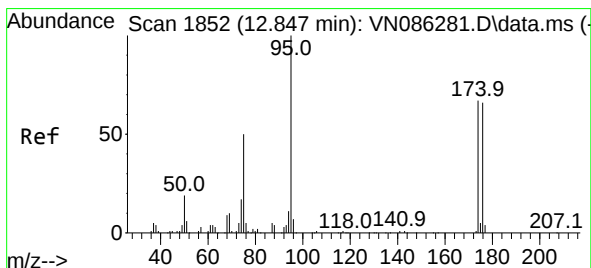
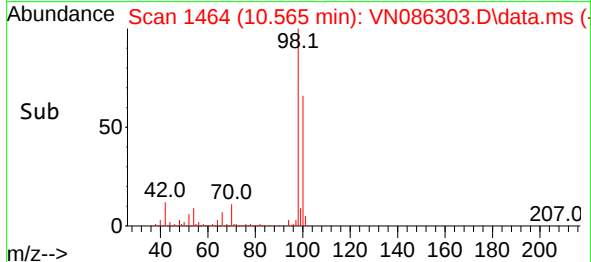
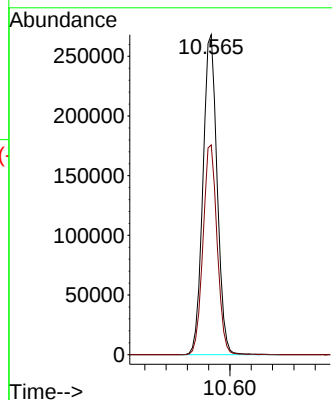
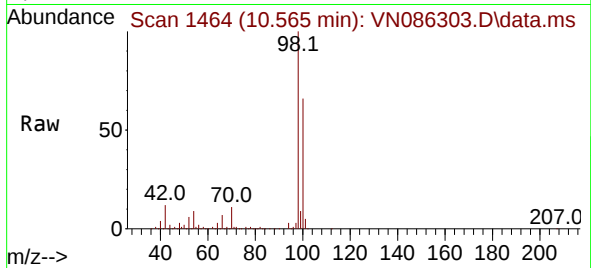




#50
Toluene-d8
Concen: 51.387 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

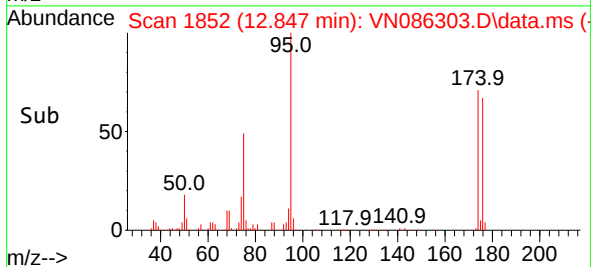
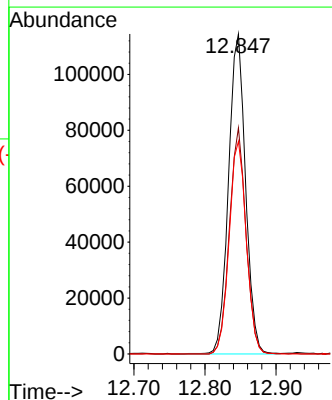
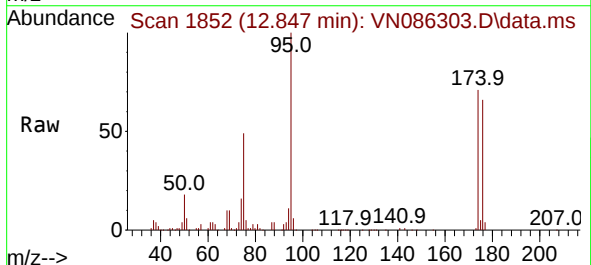
Instrument :
MSVOA_N
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IBLK

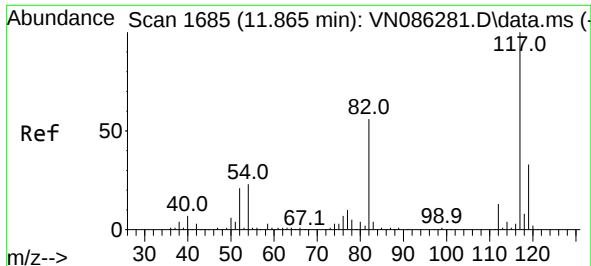
Tgt Ion: 98 Resp: 495275
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 54.276 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Tgt Ion: 95 Resp: 190802
Ion Ratio Lower Upper
95 100
174 68.8 0.0 133.4
176 66.7 0.0 129.2

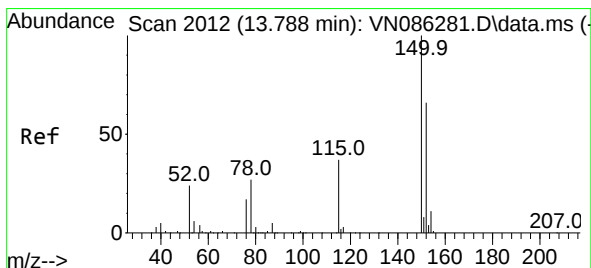
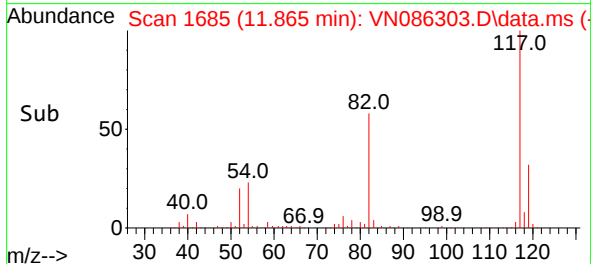
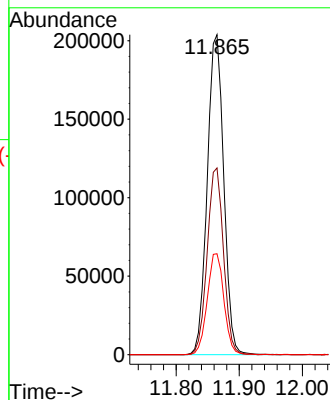
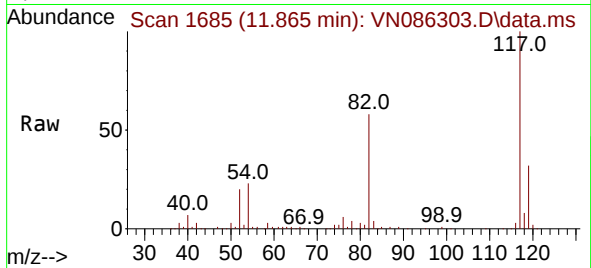




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 369369
Ion Ratio Lower Upper
117 100
82 58.3 44.7 67.1
119 31.6 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086303.D
Acq: 16 Apr 2025 17:39

Tgt Ion:152 Resp: 169507
Ion Ratio Lower Upper
152 100
115 63.7 31.9 95.9
150 160.3 0.0 352.0

