

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
 Data File : VN088020.D
 Acq On : 03 Oct 2025 13:57
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Oct 04 02:55:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 05:05:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	169969	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	375483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	375101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	180574	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	168389	58.868	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.740%
35) Dibromofluoromethane	8.147	113	143073	52.480	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.960%
50) Toluene-d8	10.547	98	491875	51.306	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.620%
62) 4-Bromofluorobenzene	12.829	95	169717	49.526	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.060%

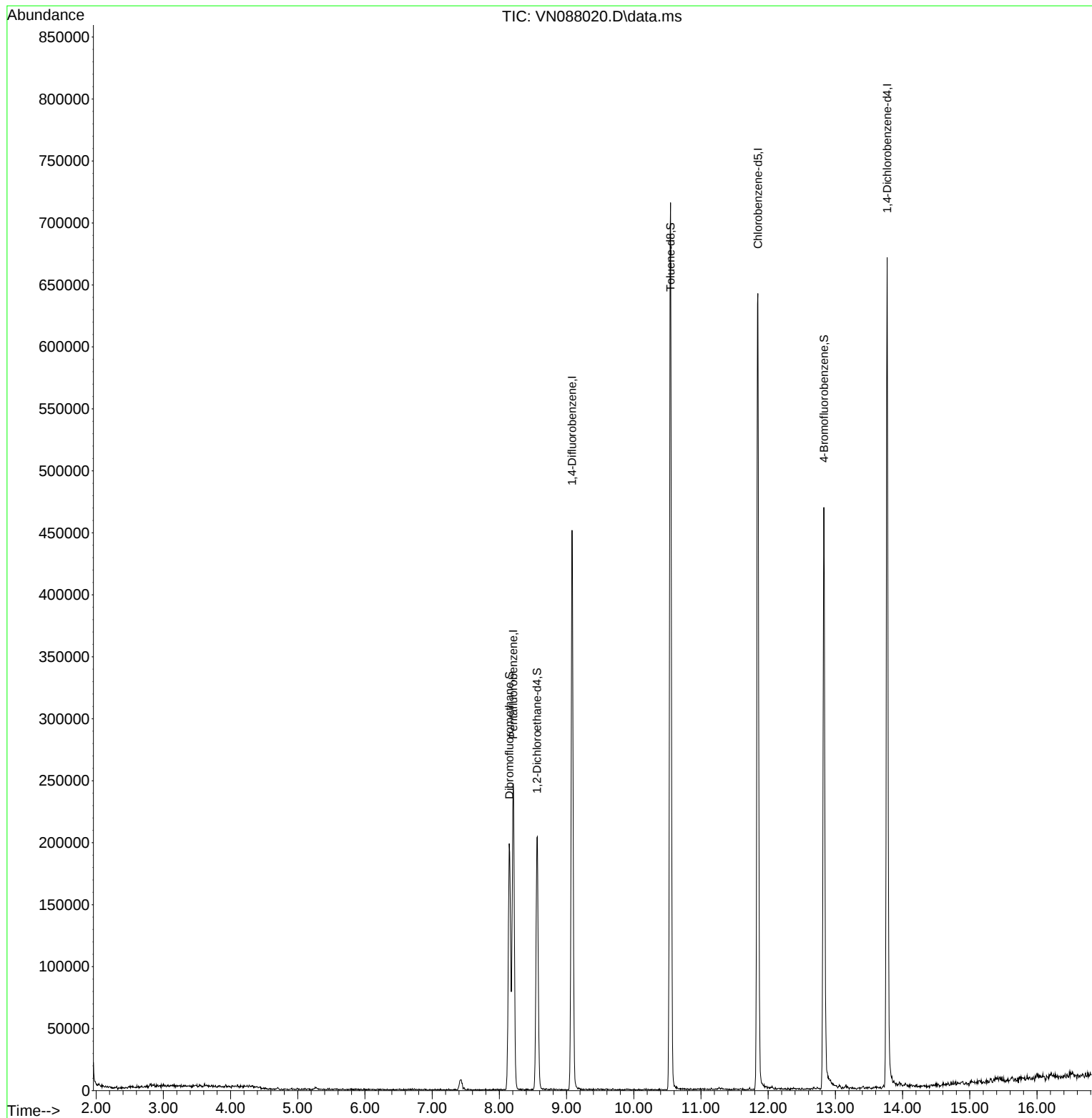
Target Compounds	Qvalue

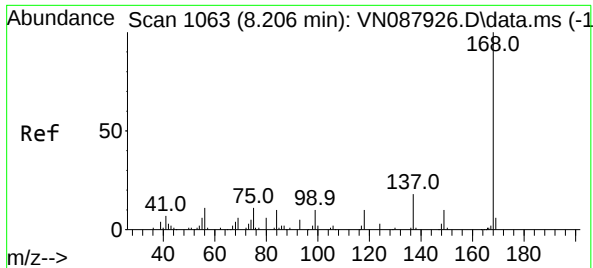
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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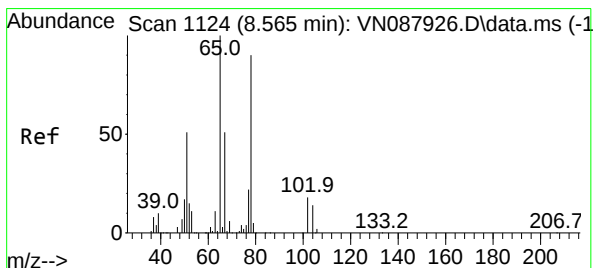
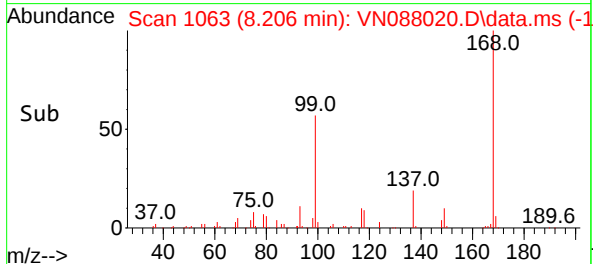
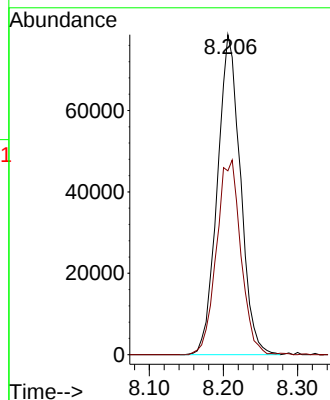
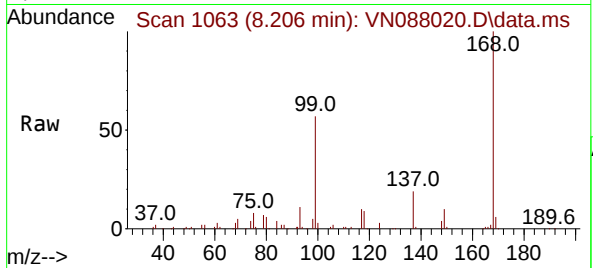




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088020.D
Acq: 03 Oct 2025 13:57

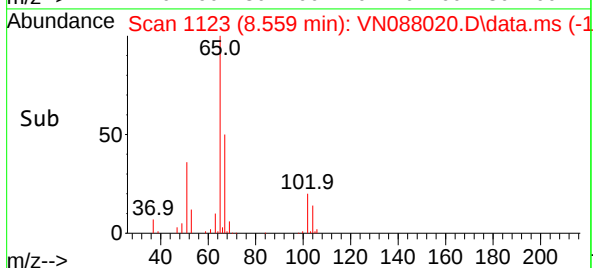
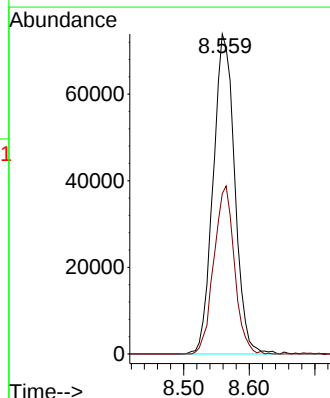
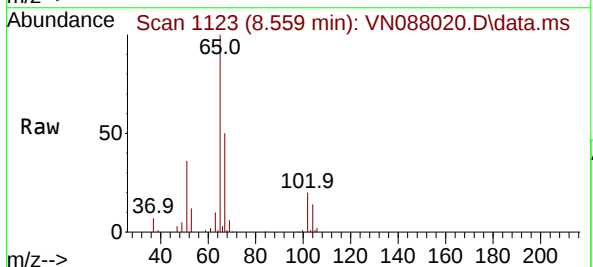
Instrument :
MSVOA_N
ClientSampleId :
IBLK

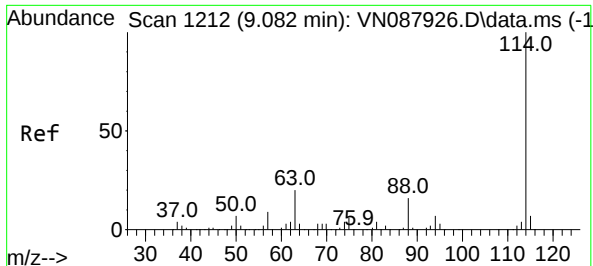
Tgt Ion:168 Resp: 169969
Ion Ratio Lower Upper
168 100
99 57.5 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 58.868 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN088020.D
Acq: 03 Oct 2025 13:57

Tgt Ion: 65 Resp: 168389
Ion Ratio Lower Upper
65 100
67 50.1 0.0 103.4

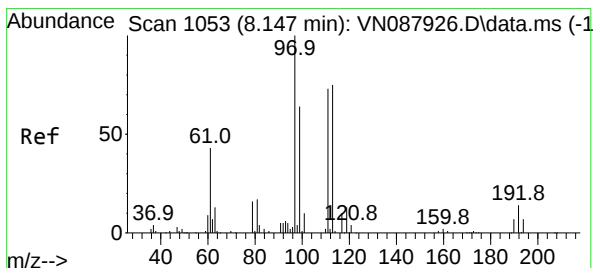
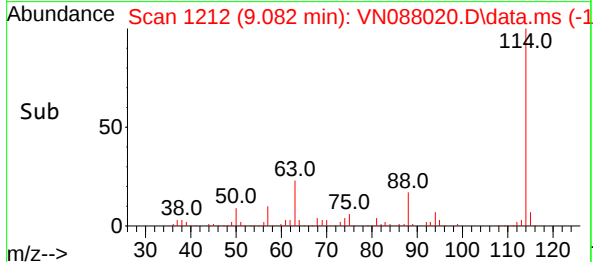
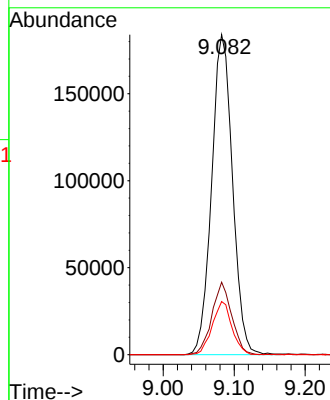
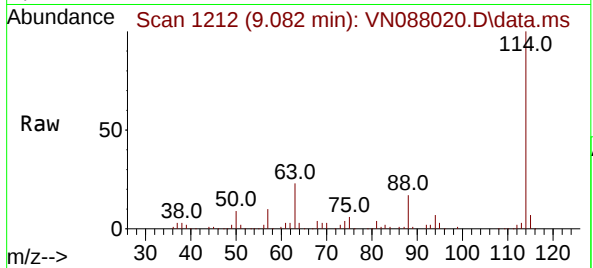




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088020.D
Acq: 03 Oct 2025 13:57

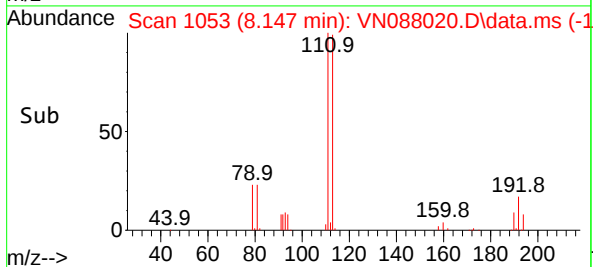
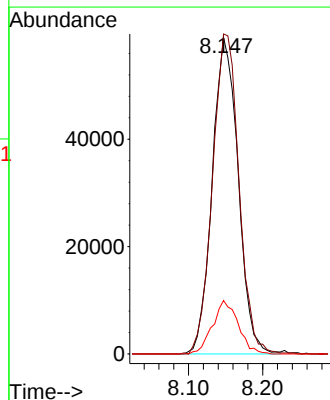
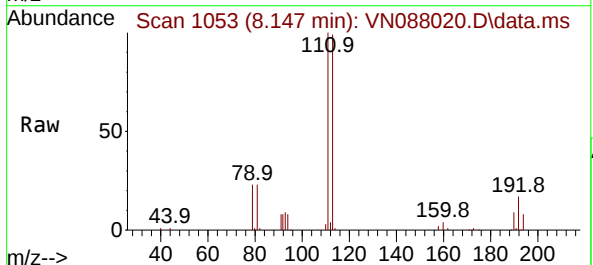
Instrument :
MSVOA_N
ClientSampleId :
IBLK

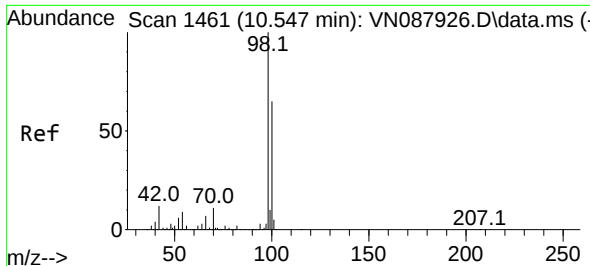
Tgt Ion:114 Resp: 375483
Ion Ratio Lower Upper
114 100
63 22.6 0.0 40.0
88 16.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 52.480 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VN088020.D
Acq: 03 Oct 2025 13:57

Tgt Ion:113 Resp: 143073
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.2
192 16.7 14.2 21.2

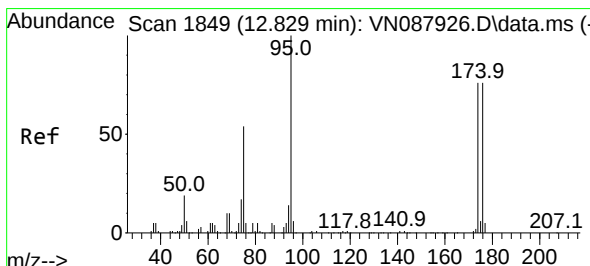
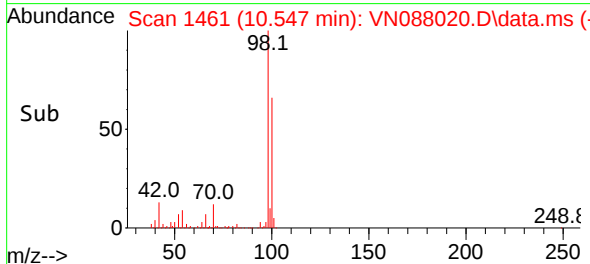
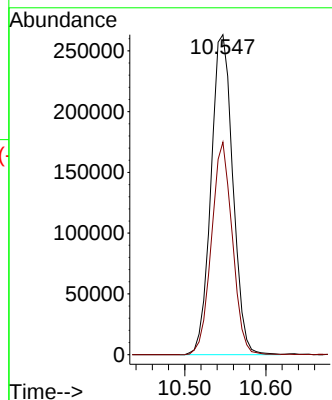
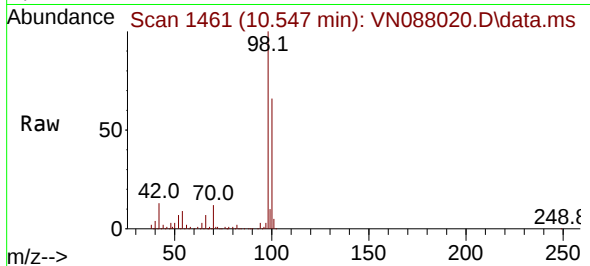




#50
Toluene-d8
Concen: 51.306 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088020.D
Acq: 03 Oct 2025 13:57

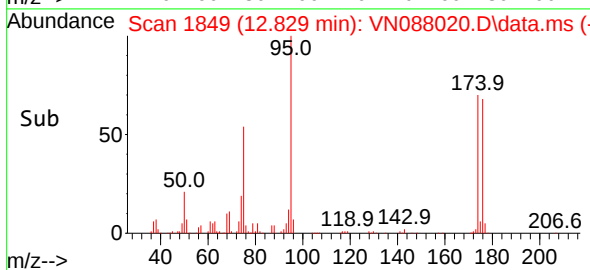
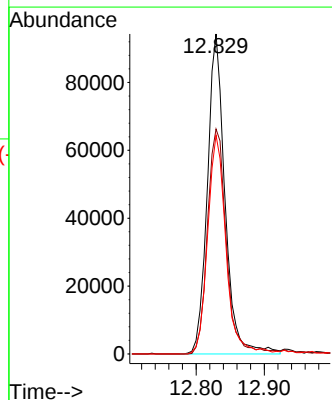
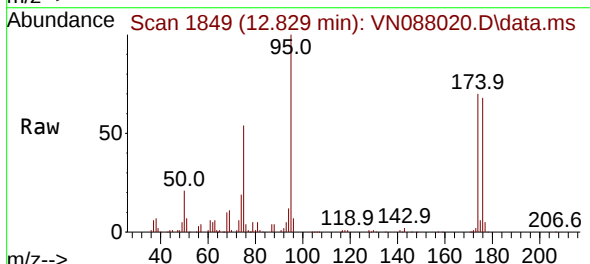
Instrument :
MSVOA_N
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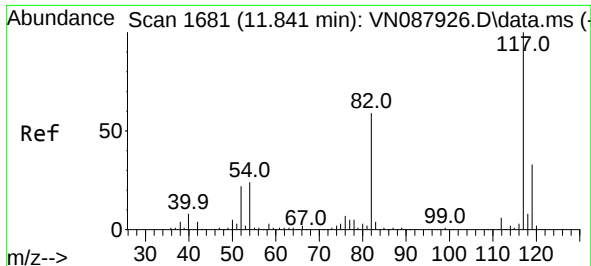
Tgt Ion: 98 Resp: 491875
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 49.526 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088020.D
Acq: 03 Oct 2025 13:57

Tgt Ion: 95 Resp: 169717
Ion Ratio Lower Upper
95 100
174 74.9 0.0 159.2
176 70.7 0.0 152.6

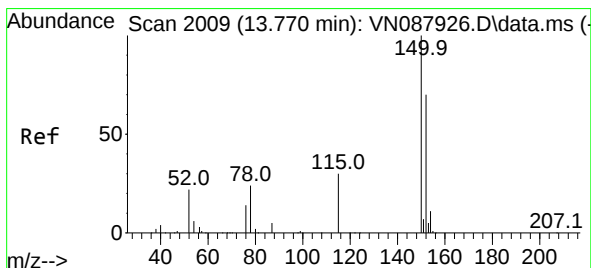
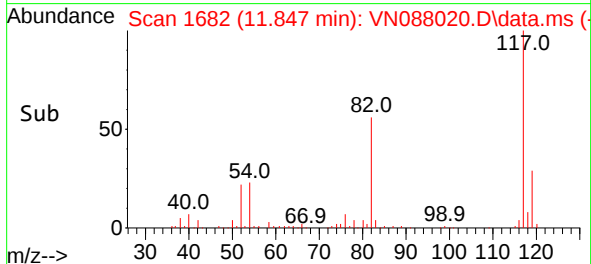
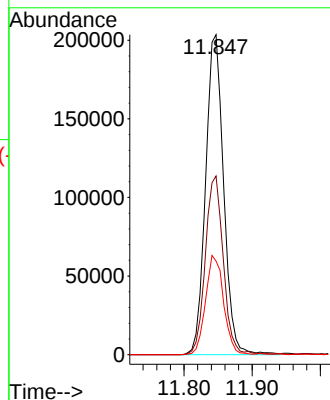
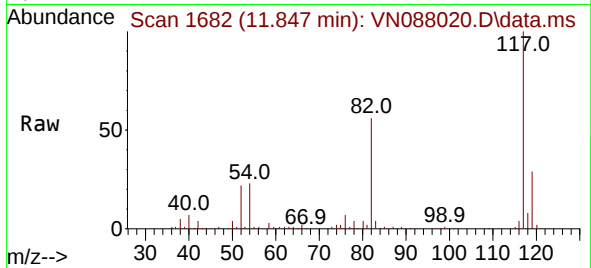




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN088020.D
Acq: 03 Oct 2025 13:57

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 375101
Ion Ratio Lower Upper
117 100
82 55.9 47.0 70.4
119 29.3 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088020.D
Acq: 03 Oct 2025 13:57

Tgt Ion:152 Resp: 180574
Ion Ratio Lower Upper
152 100
115 62.3 29.9 89.7
150 155.6 0.0 335.0

