

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103125\
 Data File : VN088174.D
 Acq On : 31 Oct 2025 09:53
 Operator : JC\MD
 Sample : VN1031MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031MBL01

Quant Time: Nov 01 00:27:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	249193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	562998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	537203	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	258761	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	255484	59.290	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	118.580%
35) Dibromofluoromethane	8.147	113	194547	51.437	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.880%
50) Toluene-d8	10.547	98	724144	49.689	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.380%
62) 4-Bromofluorobenzene	12.829	95	283275	55.038	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.080%

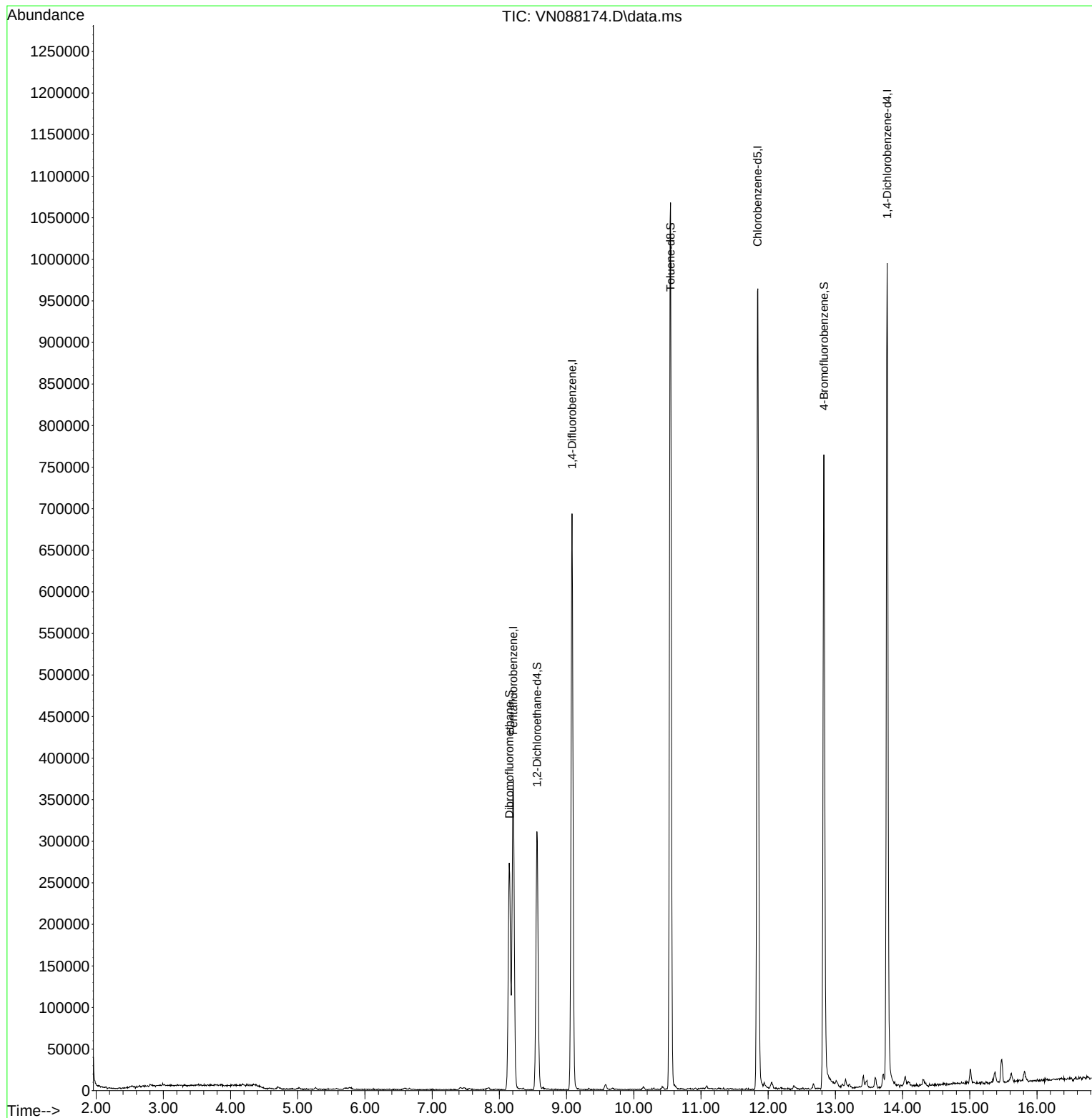
Target Compounds	Qvalue

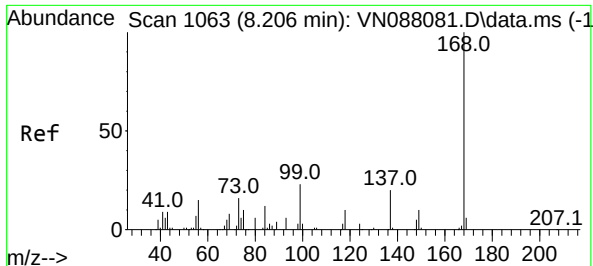
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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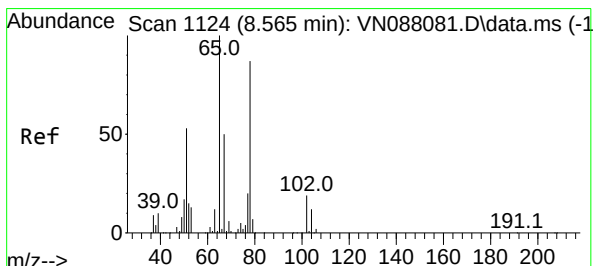
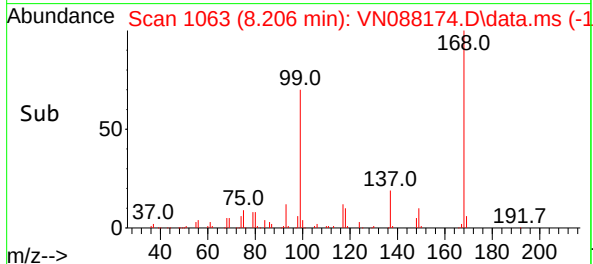
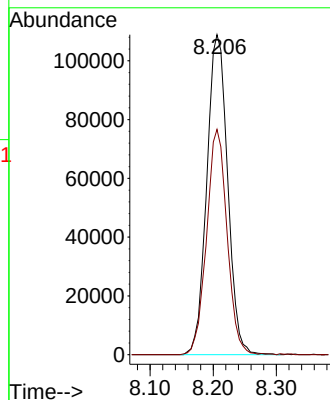
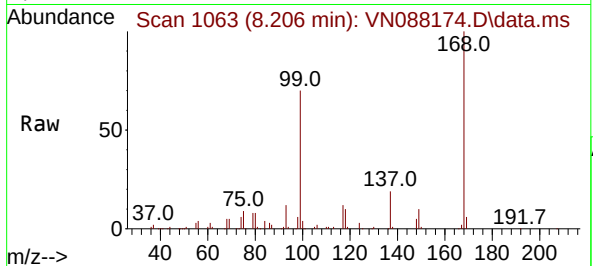




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

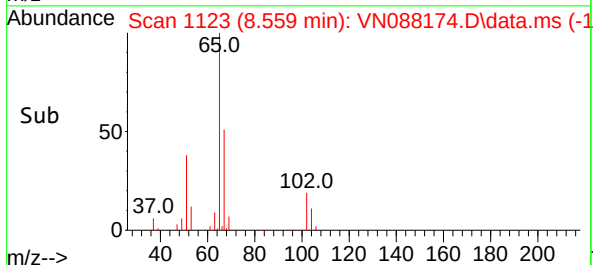
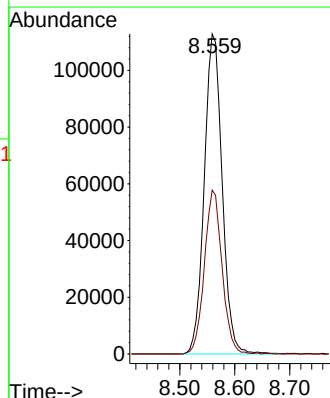
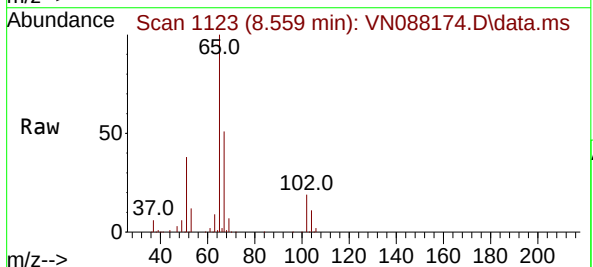
Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

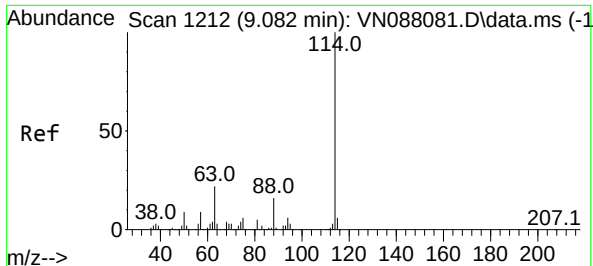
Tgt Ion:168 Resp: 249193
Ion Ratio Lower Upper
168 100
99 70.4 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 59.290 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion: 65 Resp: 255484
Ion Ratio Lower Upper
65 100
67 50.5 0.0 100.0

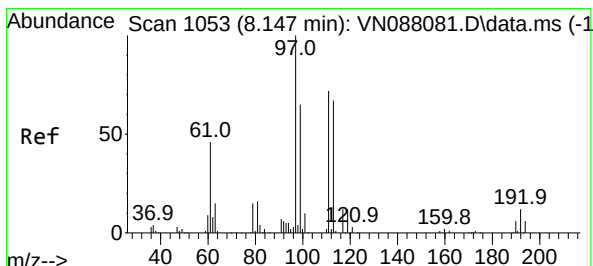
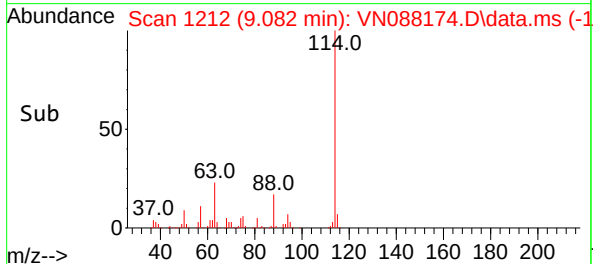
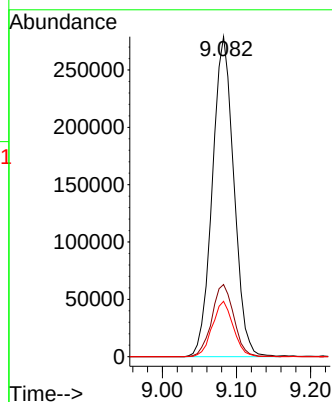
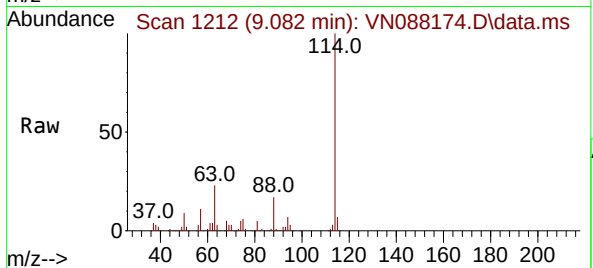




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.082 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VN088174.D
 Acq: 31 Oct 2025 09:53

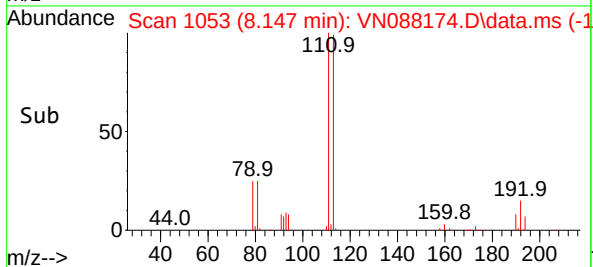
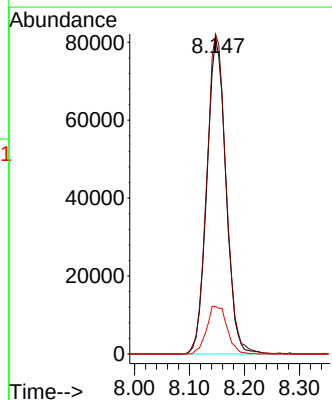
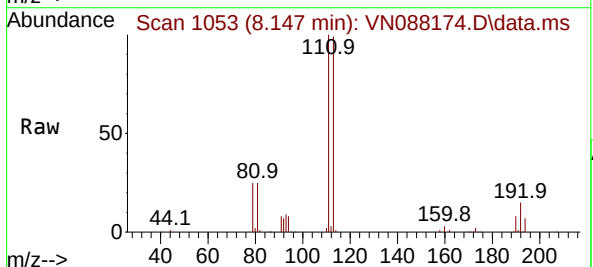
Instrument :
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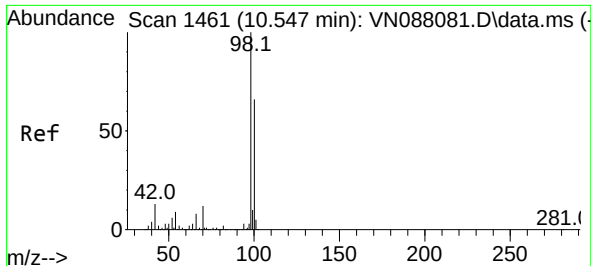
Tgt Ion:114 Resp: 562998
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.2
 88 17.3 0.0 33.4



#35
 Dibromofluoromethane
 Concen: 51.437 ug/l
 RT: 8.147 min Scan# 1053
 Delta R.T. -0.006 min
 Lab File: VN088174.D
 Acq: 31 Oct 2025 09:53

Tgt Ion:113 Resp: 194547
 Ion Ratio Lower Upper
 113 100
 111 103.4 82.8 124.2
 192 16.2 12.8 19.2

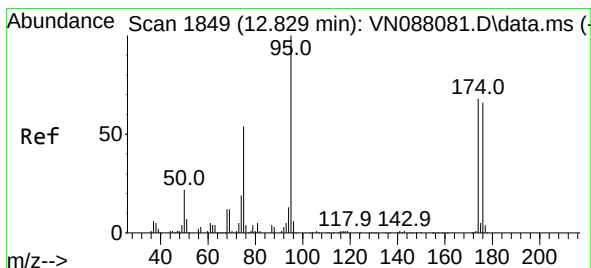
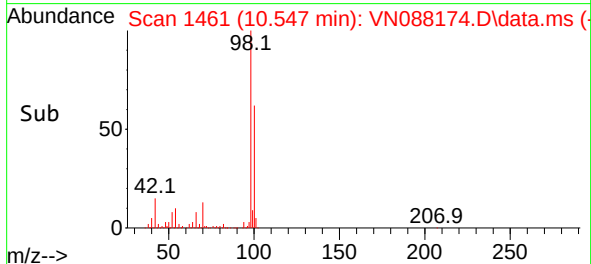
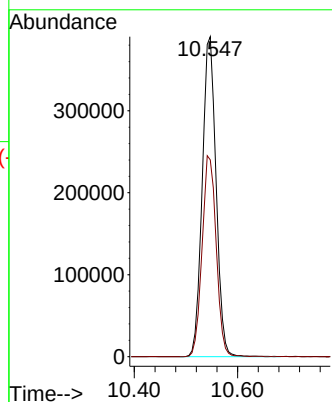
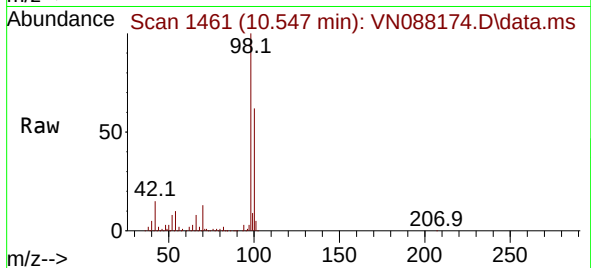




#50
Toluene-d8
Concen: 49.689 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

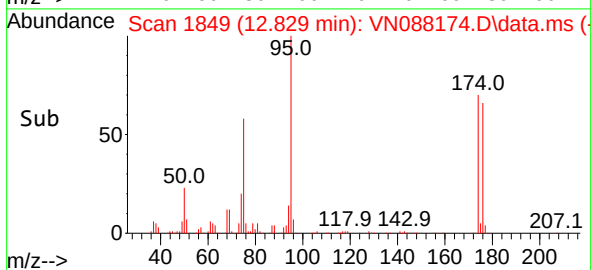
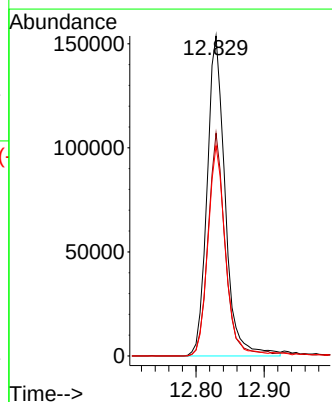
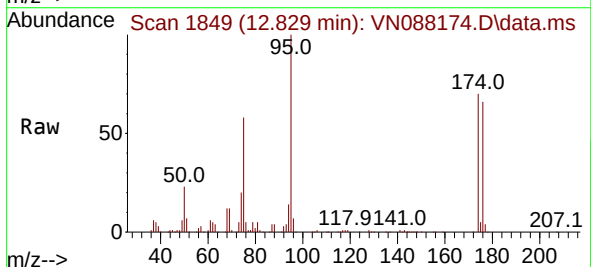
Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

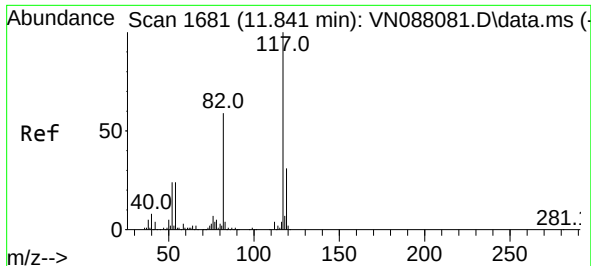
Tgt Ion: 98 Resp: 724144
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 55.038 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion: 95 Resp: 283275
Ion Ratio Lower Upper
95 100
174 65.9 0.0 138.4
176 64.1 0.0 132.6

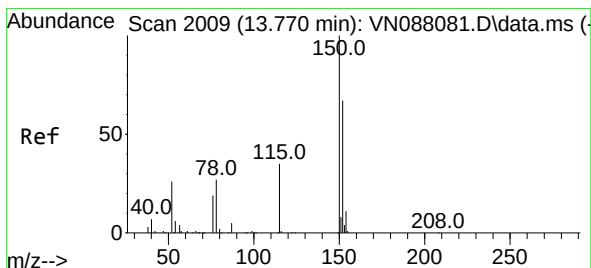
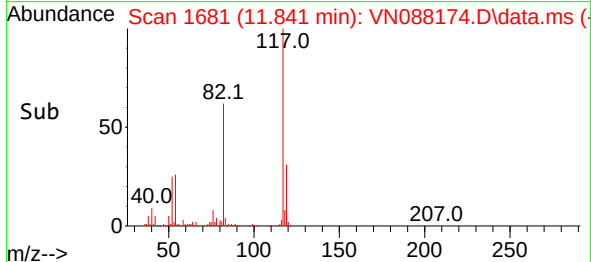
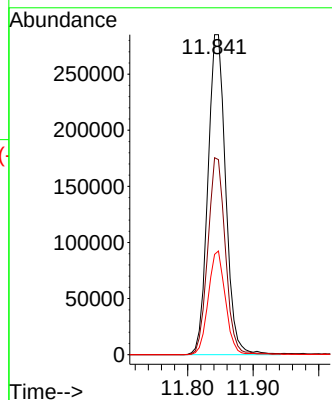
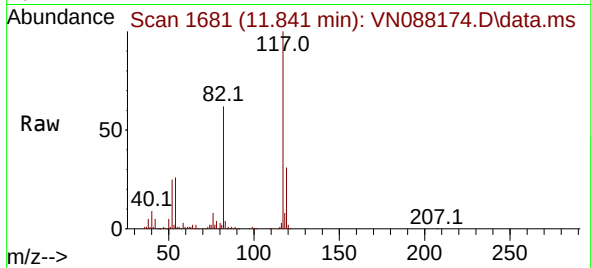




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Instrument :
MSVOA_N
ClientSampleId :
VN1031MBL01

Tgt Ion:117 Resp: 537203
Ion Ratio Lower Upper
117 100
82 61.5 47.4 71.2
119 31.4 24.3 36.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088174.D
Acq: 31 Oct 2025 09:53

Tgt Ion:152 Resp: 258761
Ion Ratio Lower Upper
152 100
115 67.4 32.3 96.8
150 160.0 0.0 351.0

