

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091625\
 Data File : VN087848.D
 Acq On : 16 Sep 2025 14:43
 Operator : JC\MD
 Sample : VN0916MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916MBL01

Quant Time: Sep 17 01:20:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	189805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	429890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	399187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	183370	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	191021	49.120	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.240%
35) Dibromofluoromethane	8.147	113	152947	49.277	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.560%
50) Toluene-d8	10.547	98	548510	47.216	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.440%
62) 4-Bromofluorobenzene	12.829	95	182318	44.130	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.260%

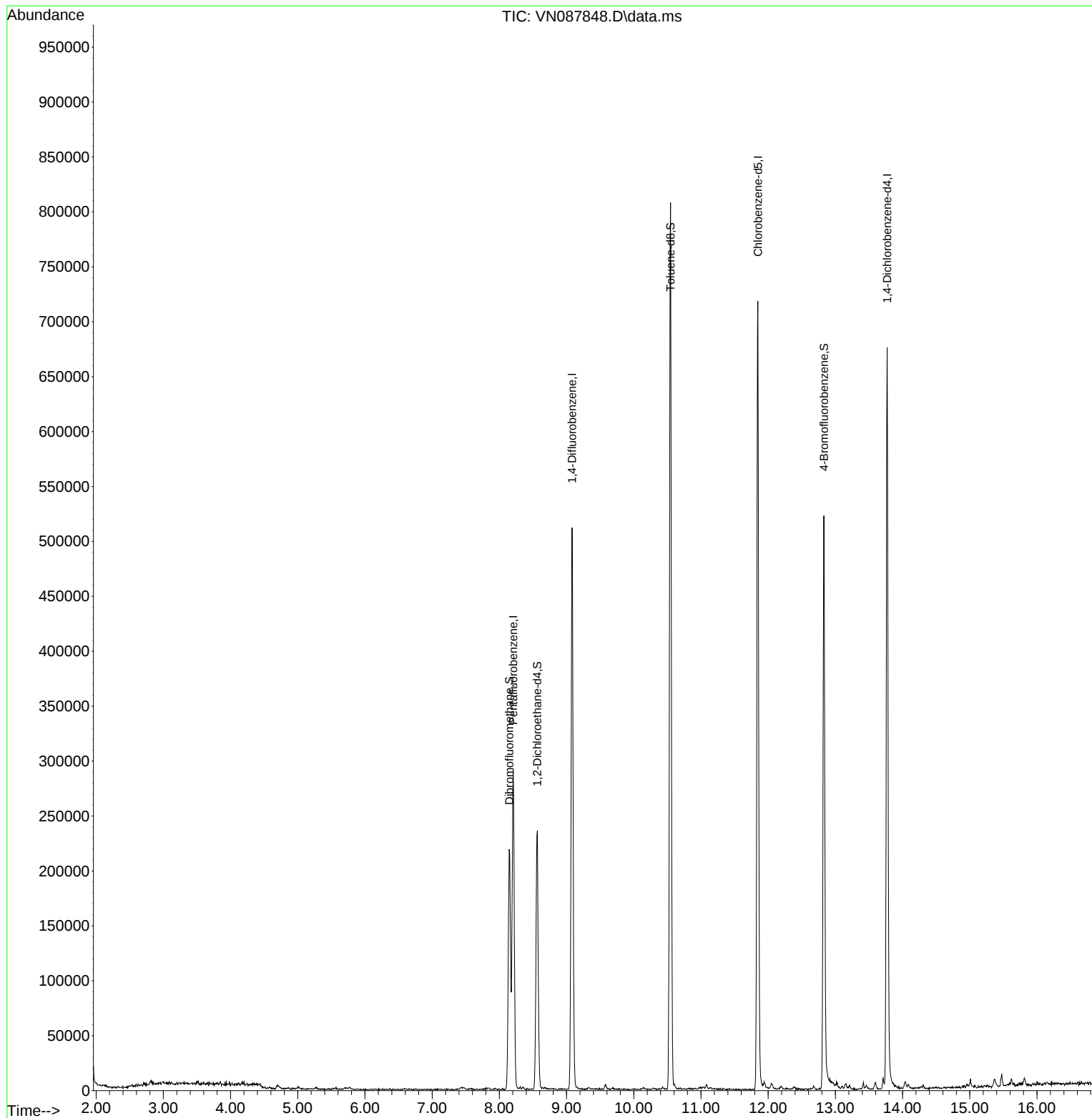
Target Compounds	Qvalue

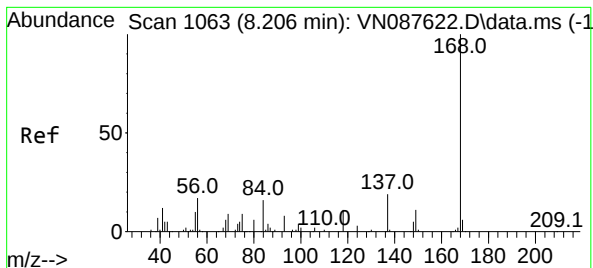
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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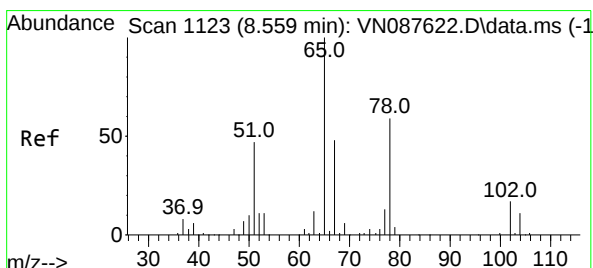
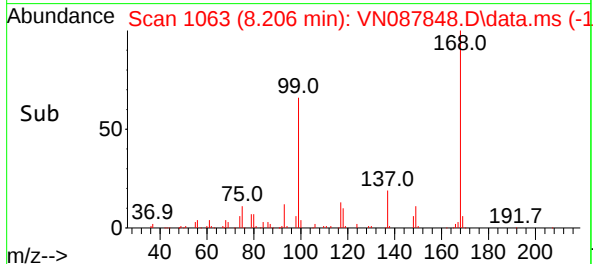
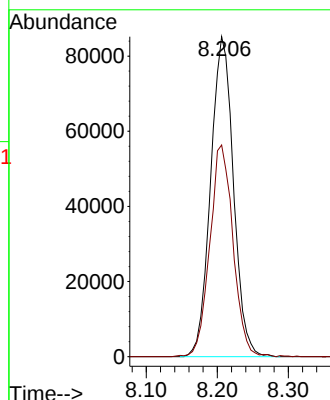
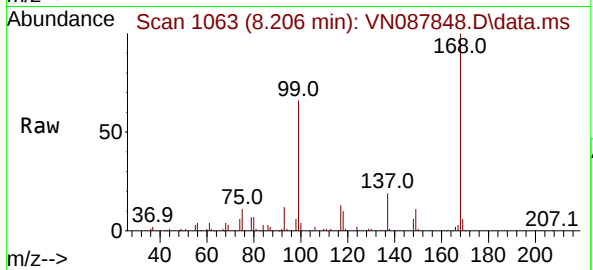




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN087848.D
Acq: 16 Sep 2025 14:43

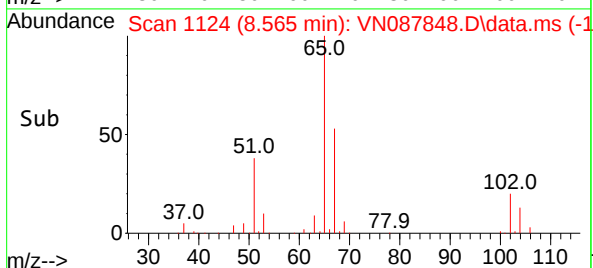
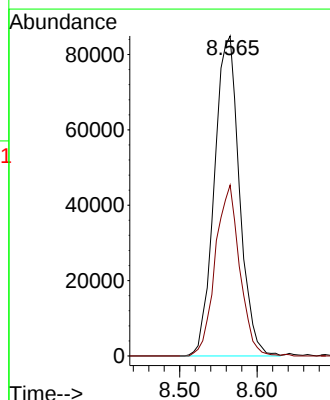
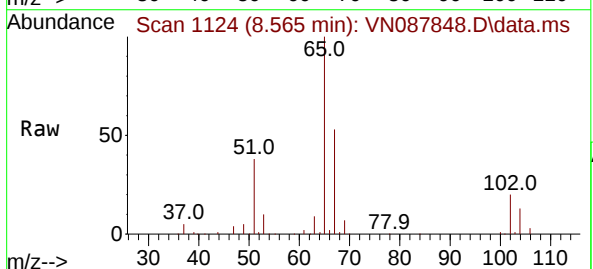
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBL01

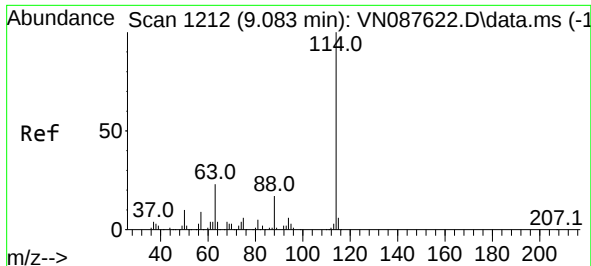
Tgt Ion:168 Resp: 189805
Ion Ratio Lower Upper
168 100
99 65.8 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 49.120 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087848.D
Acq: 16 Sep 2025 14:43

Tgt Ion: 65 Resp: 191021
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.0

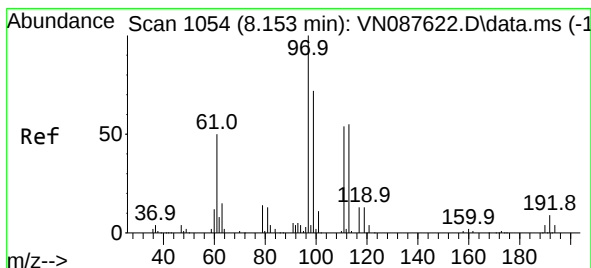
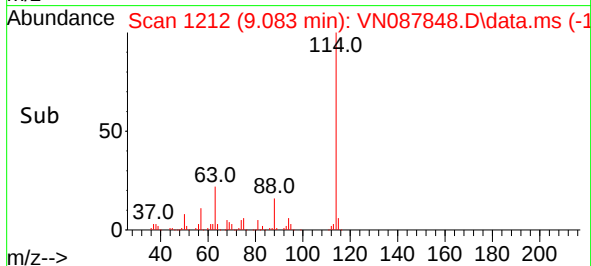
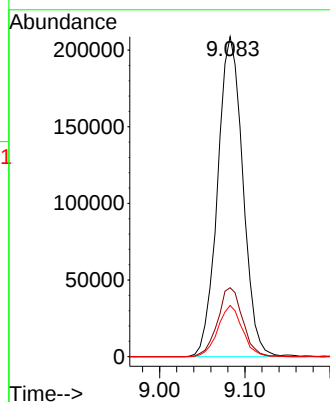
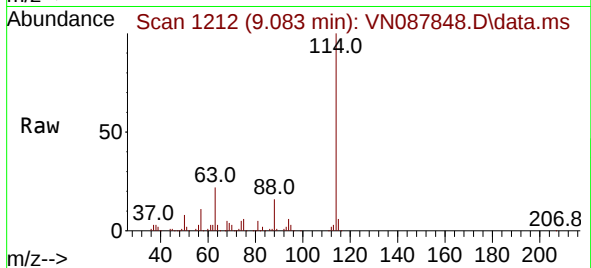




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087848.D
Acq: 16 Sep 2025 14:43

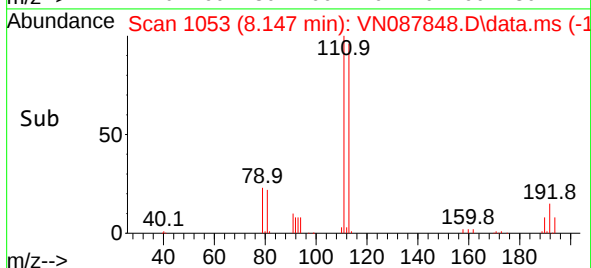
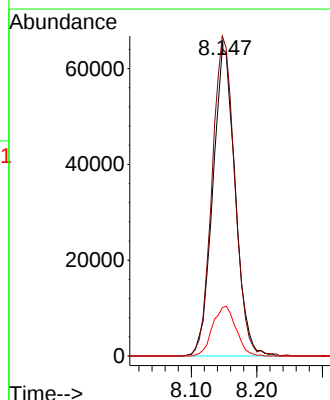
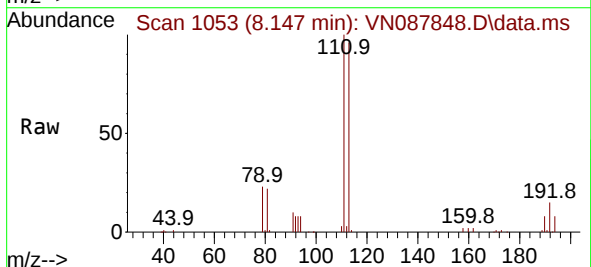
Instrument :
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VN0916MBL01

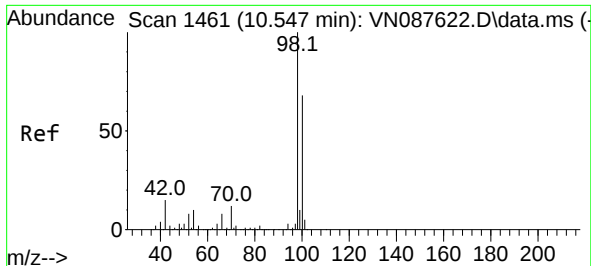
Tgt Ion:114 Resp: 429890
Ion Ratio Lower Upper
114 100
63 21.5 0.0 45.2
88 16.0 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.277 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087848.D
Acq: 16 Sep 2025 14:43

Tgt Ion:113 Resp: 152947
Ion Ratio Lower Upper
113 100
111 104.7 82.8 124.2
192 16.8 12.8 19.2

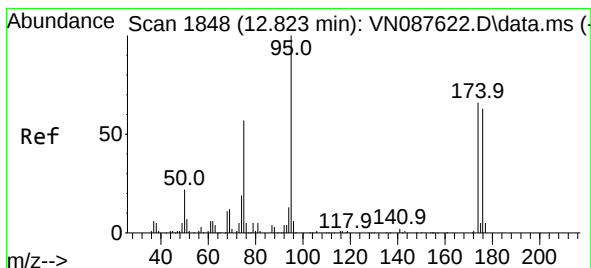
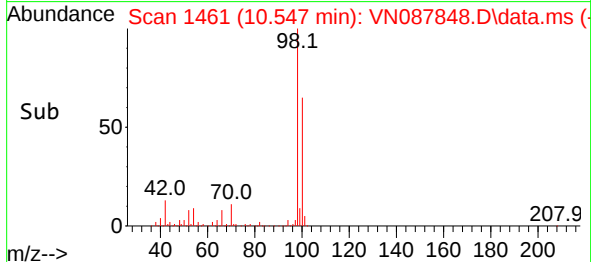
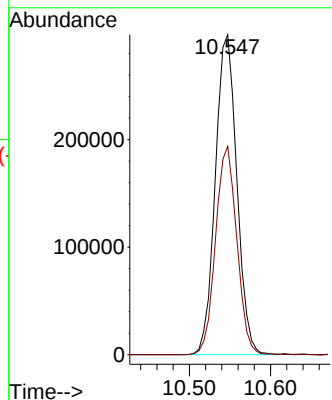
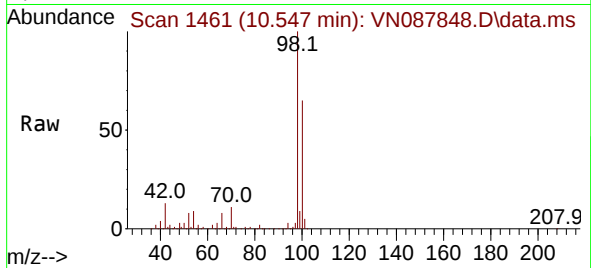




#50
Toluene-d8
Concen: 47.216 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087848.D
Acq: 16 Sep 2025 14:43

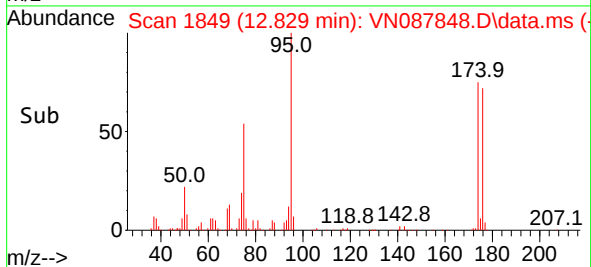
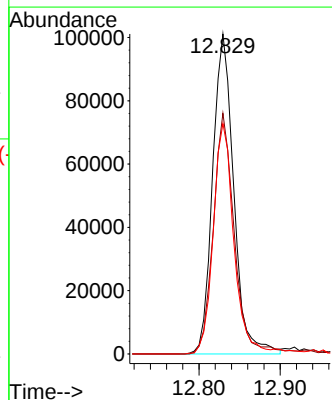
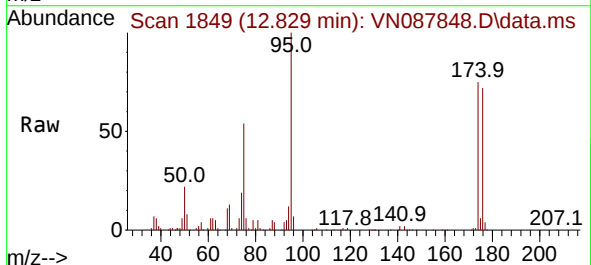
Instrument :
MSVOA_N
ClientSampleId :
VN0916MBL01

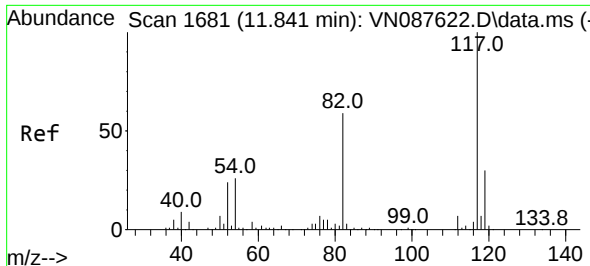
Tgt Ion: 98 Resp: 548510
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 44.130 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087848.D
Acq: 16 Sep 2025 14:43

Tgt Ion: 95 Resp: 182318
Ion Ratio Lower Upper
95 100
174 75.1 0.0 138.4
176 71.6 0.0 132.6

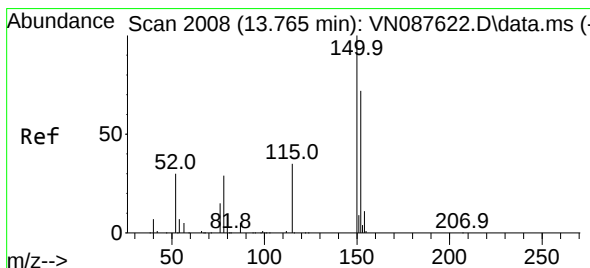
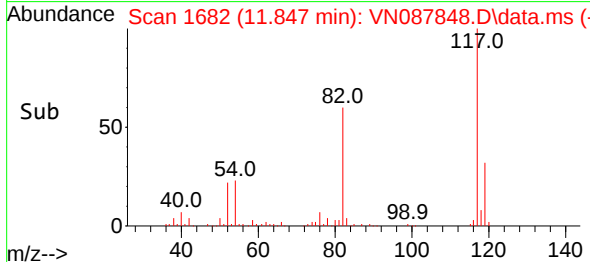
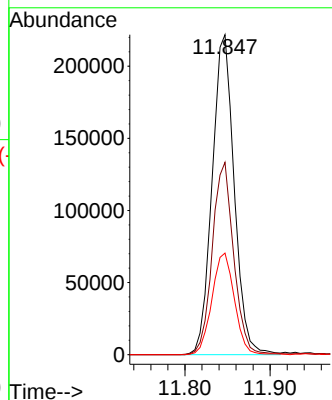
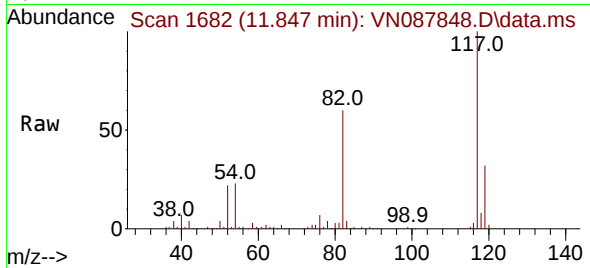




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087848.D
Acq: 16 Sep 2025 14:43

Instrument :
MSVOA_N
ClientSampleId :
VN0916MBL01

Tgt Ion:117 Resp: 399187
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 31.8 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: VN087848.D
Acq: 16 Sep 2025 14:43

Tgt Ion:152 Resp: 183370
Ion Ratio Lower Upper
152 100
115 63.5 32.3 96.8
150 160.9 0.0 351.0

