

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092525\
 Data File : VN087949.D
 Acq On : 25 Sep 2025 12:37
 Operator : JC\MD
 Sample : VN0925MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0925MBL01

Quant Time: Sep 26 07:29:03 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	8.212	168	174365	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	385843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	371436	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	167826	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	168132	57.296	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.600%
35) Dibromofluoromethane	8.147	113	143885	51.361	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.720%
50) Toluene-d8	10.547	98	486851	49.419	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.840%
62) 4-Bromofluorobenzene	12.829	95	155192	44.071	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.140%

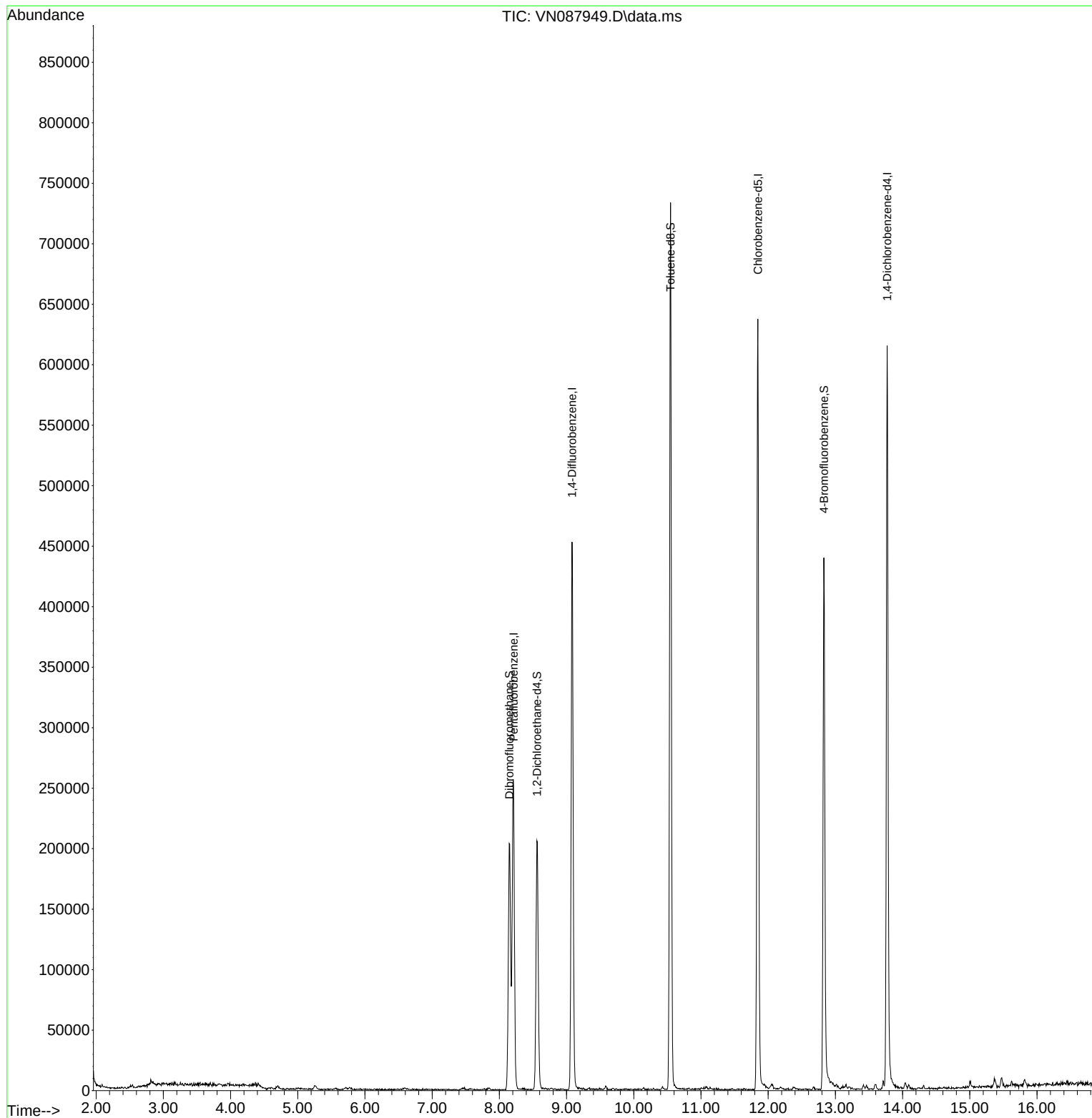
Target Compounds	Qvalue

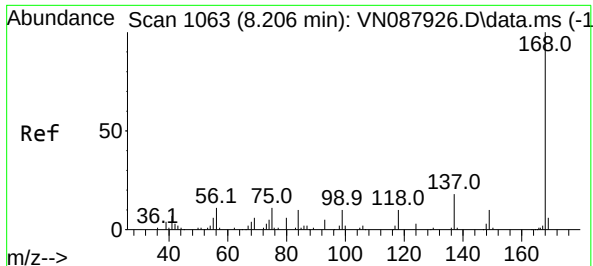
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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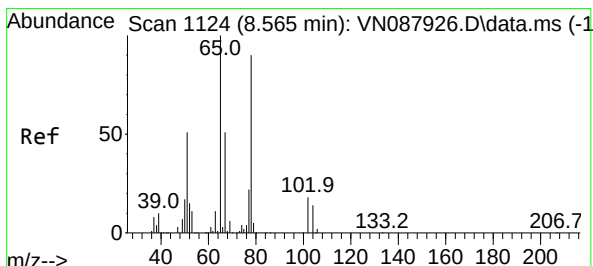
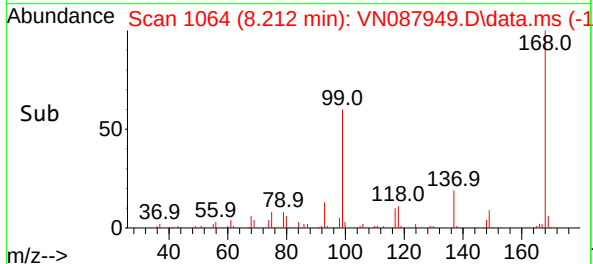
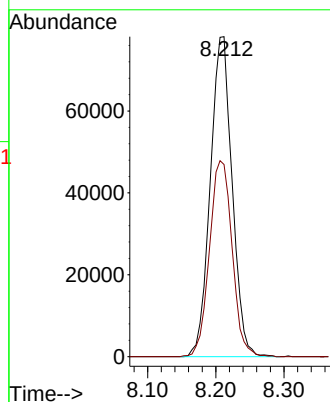
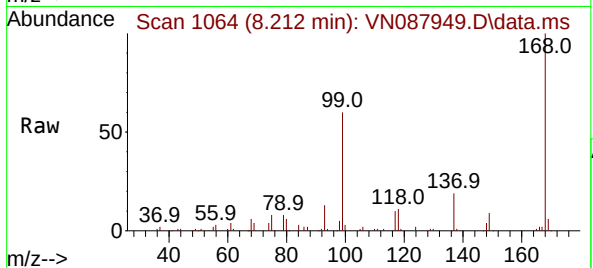




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 110
Delta R.T. 0.006 min
Lab File: VN087949.D
Acq: 25 Sep 2025 12:37

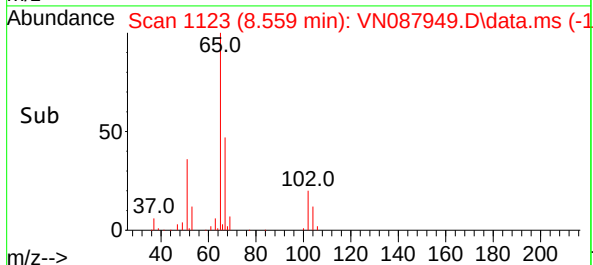
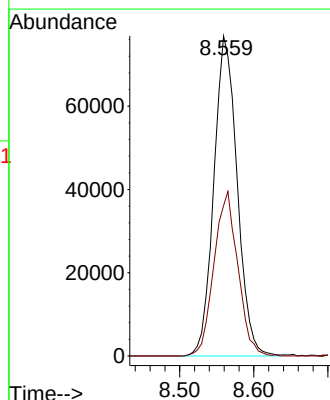
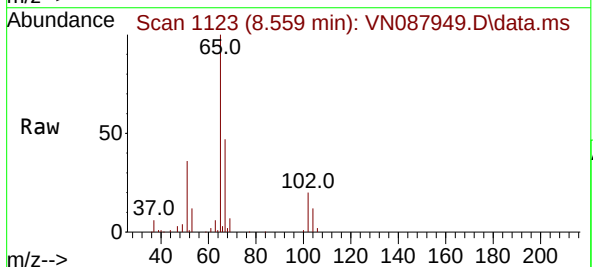
Instrument :
MSVOA_N
ClientSampleId :
VN0925MBL01

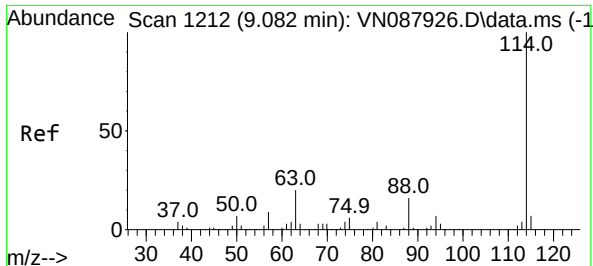
Tgt Ion:168 Resp: 174365
Ion Ratio Lower Upper
168 100
99 60.0 52.2 78.2



#33
1,2-Dichloroethane-d4
Concen: 57.296 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087949.D
Acq: 25 Sep 2025 12:37

Tgt Ion: 65 Resp: 168132
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087949.D

Acq: 25 Sep 2025 12:37

Instrument :

MSVOA_N

ClientSampleId :

VN0925MBL01

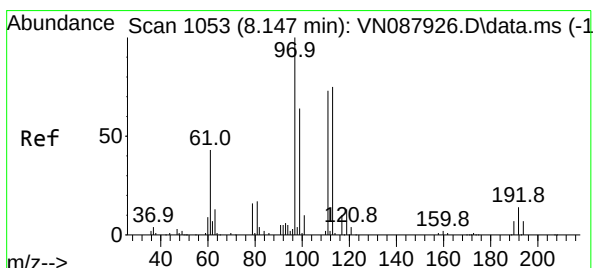
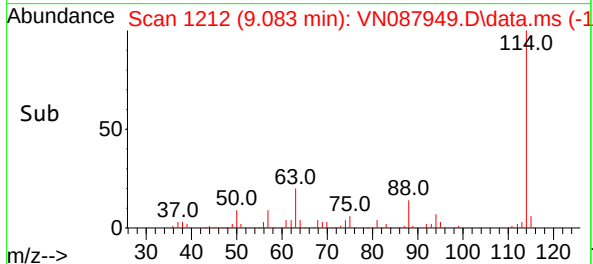
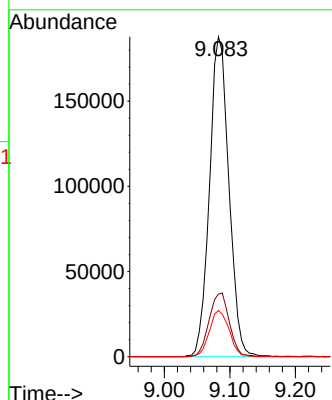
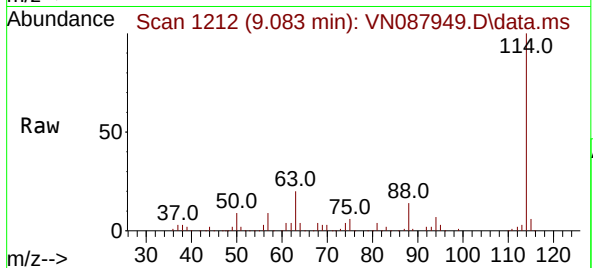
Tgt Ion:114 Resp: 385843

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 14.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.361 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087949.D

Acq: 25 Sep 2025 12:37

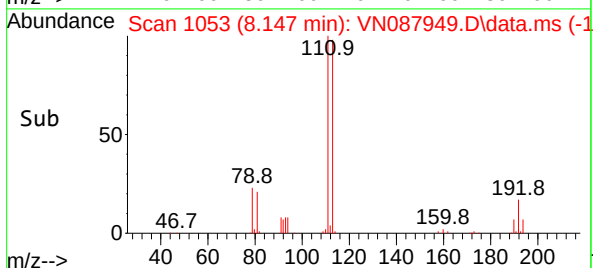
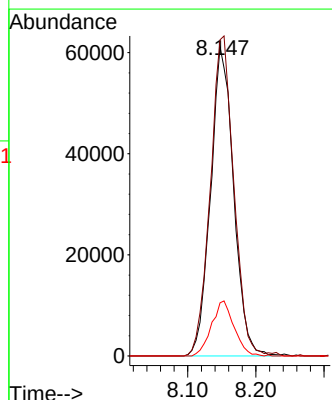
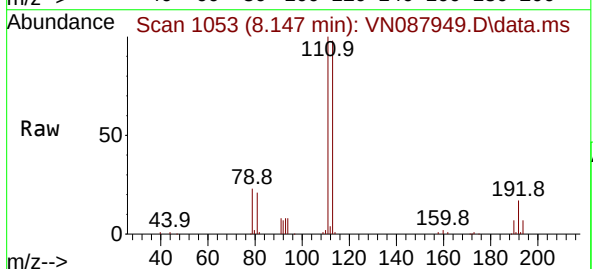
Tgt Ion:113 Resp: 143885

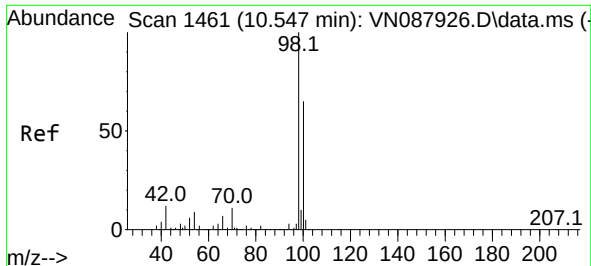
Ion Ratio Lower Upper

113 100

111 105.6 82.2 123.2

192 17.4 14.2 21.2

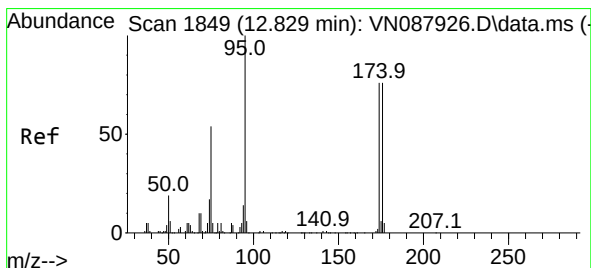
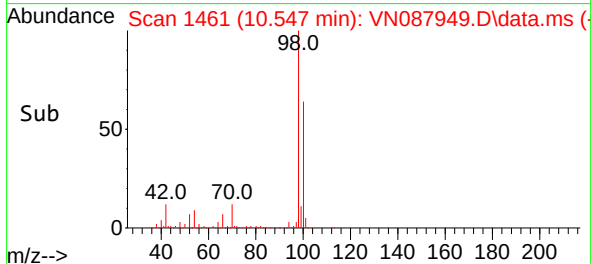
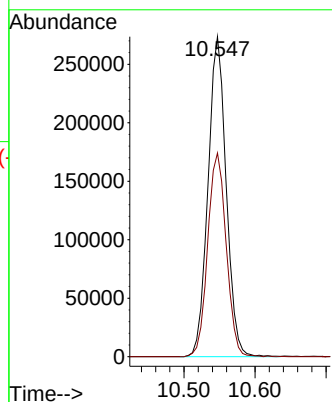
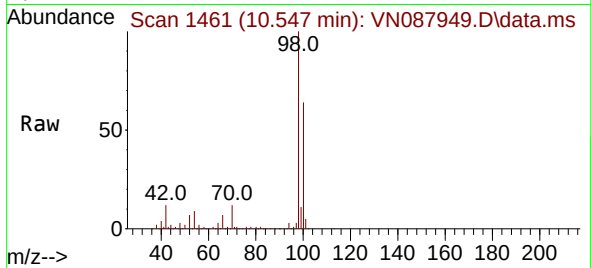




#50
Toluene-d8
Concen: 49.419 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087949.D
Acq: 25 Sep 2025 12:37

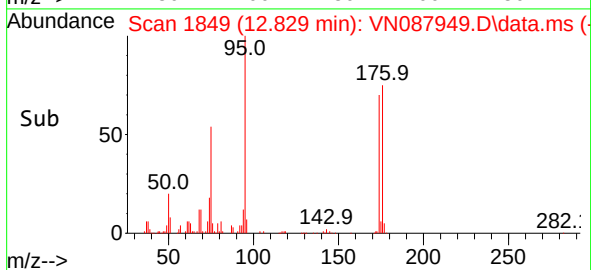
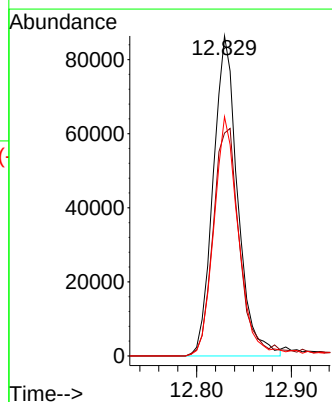
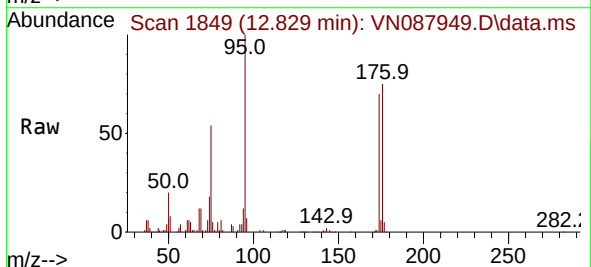
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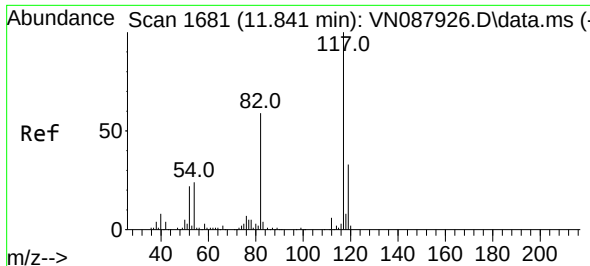
Tgt Ion: 98 Resp: 486851
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 44.071 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087949.D
Acq: 25 Sep 2025 12:37

Tgt Ion: 95 Resp: 155192
Ion Ratio Lower Upper
95 100
174 77.8 0.0 159.2
176 77.3 0.0 152.6

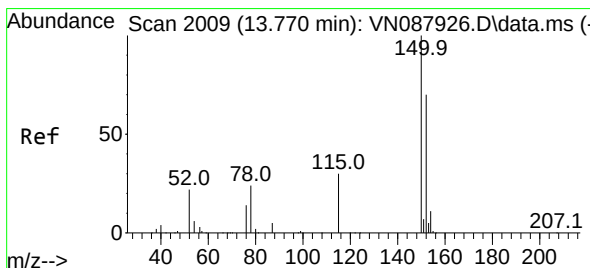
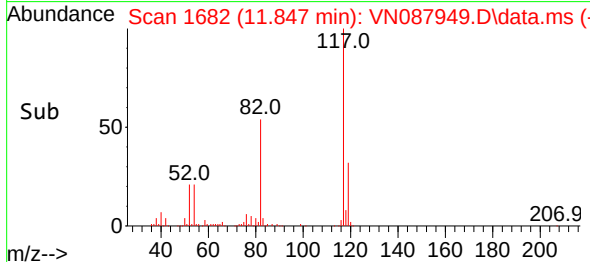
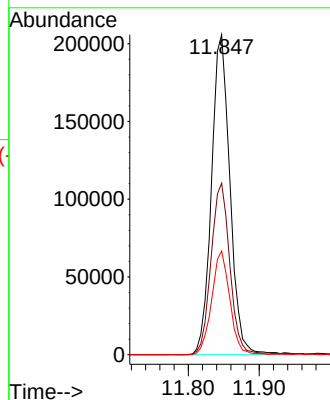
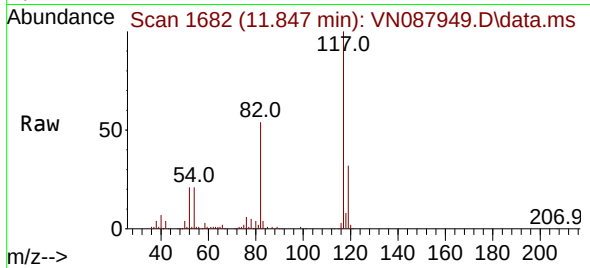




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN087949.D
Acq: 25 Sep 2025 12:37

Instrument :
MSVOA_N
ClientSampleId :
VN0925MBL01

Tgt Ion:117 Resp: 371436
Ion Ratio Lower Upper
117 100
82 53.6 47.0 70.4
119 32.4 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: VN087949.D
Acq: 25 Sep 2025 12:37

Tgt Ion:152 Resp: 167826
Ion Ratio Lower Upper
152 100
115 62.3 29.9 89.7
150 161.8 0.0 335.0

