

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
 Data File : VN088149.D
 Acq On : 29 Oct 2025 11:06
 Operator : JC\MD
 Sample : VN1029WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1029WBL01

Quant Time: Oct 30 04:02:25 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	220088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	494622	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	463889	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	222427	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	207466	54.513	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	109.020%
35) Dibromofluoromethane	8.153	113	154801	46.586	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.180%
50) Toluene-d8	10.547	98	569614	44.488	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.980%
62) 4-Bromofluorobenzene	12.829	95	217445	48.088	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	96.180%

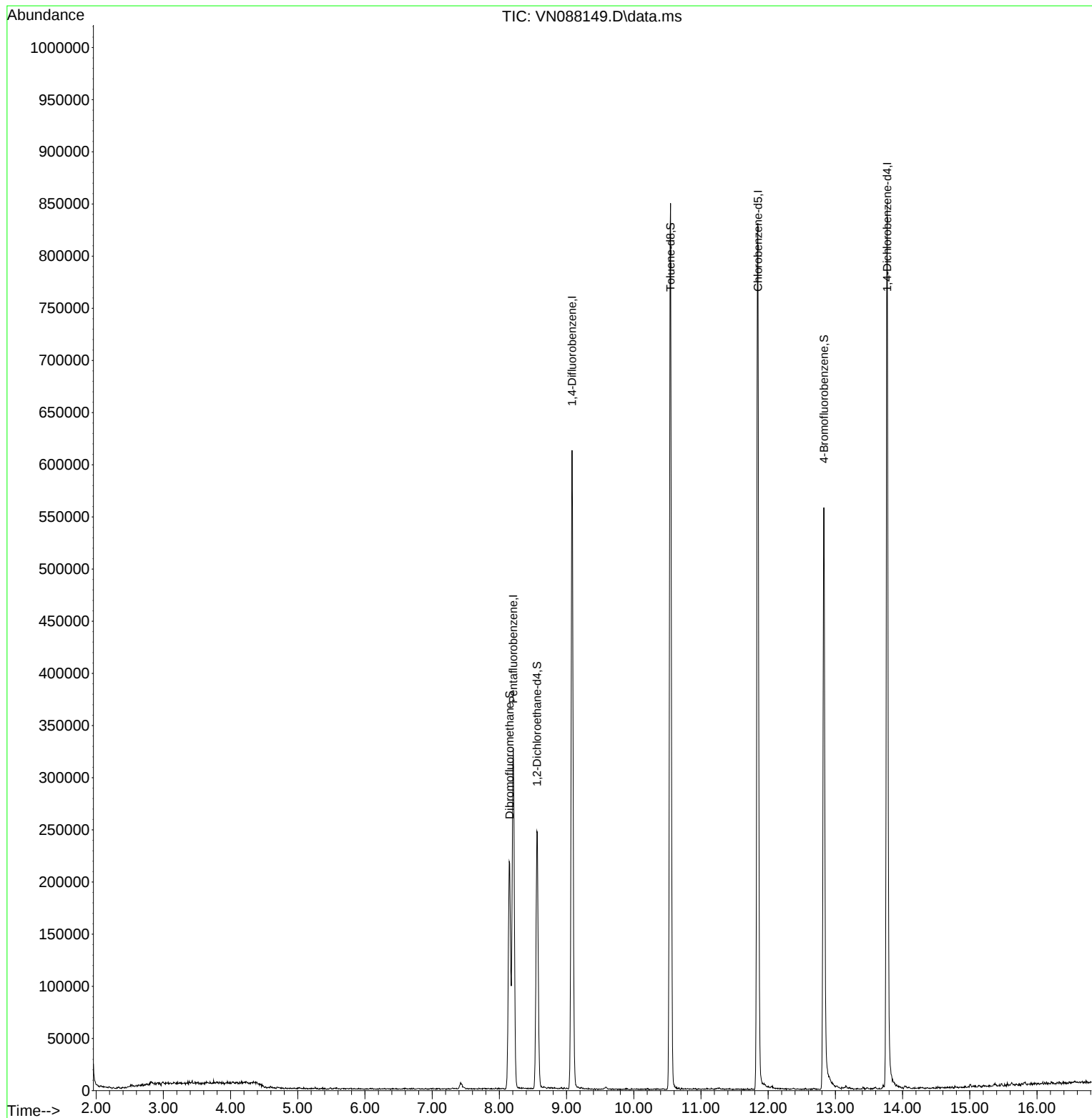
Target Compounds	Qvalue

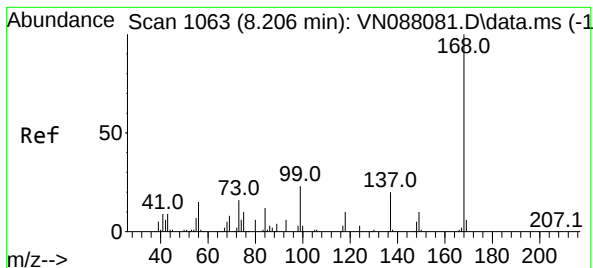
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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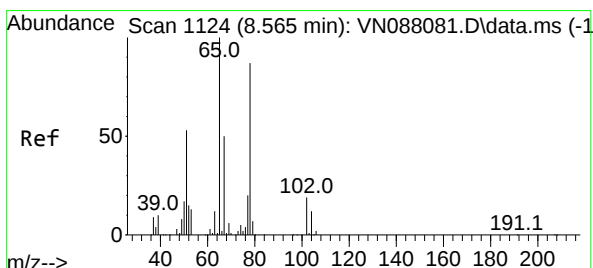
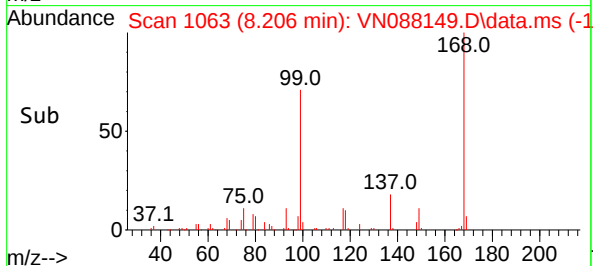
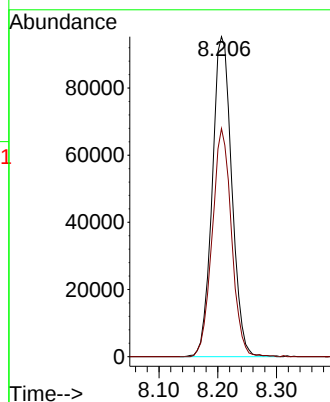
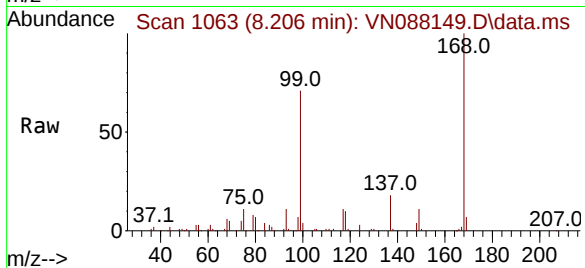




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088149.D
Acq: 29 Oct 2025 11:06

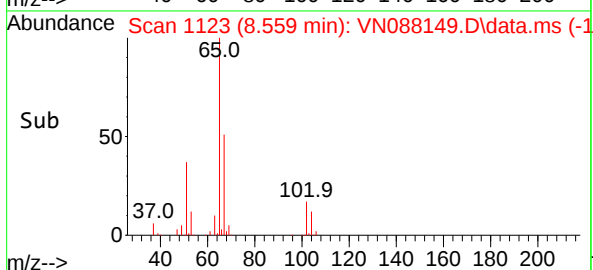
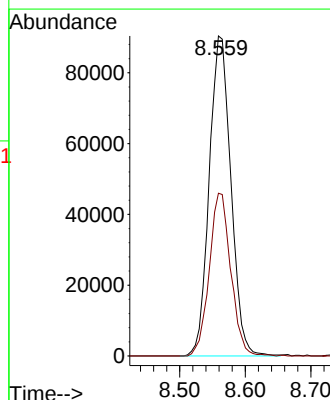
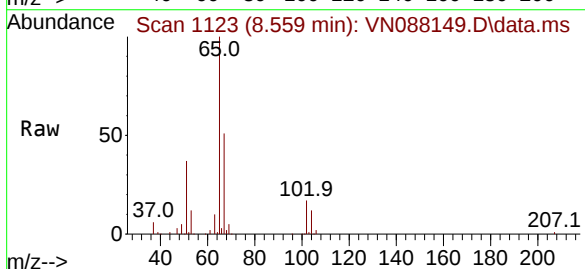
Instrument :
MSVOA_N
ClientSampleId :
VN1029WBL01

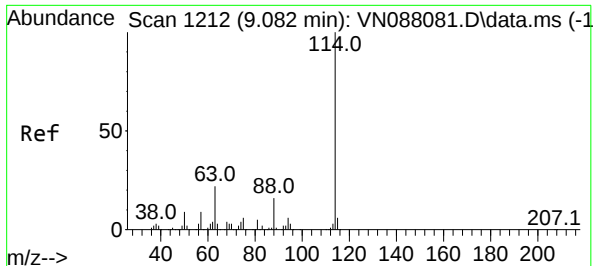
Tgt Ion:168 Resp: 220088
Ion Ratio Lower Upper
168 100
99 71.3 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 54.513 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088149.D
Acq: 29 Oct 2025 11:06

Tgt Ion: 65 Resp: 207466
Ion Ratio Lower Upper
65 100
67 50.4 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: VN088149.D

Acq: 29 Oct 2025 11:06

Instrument :

MSVOA_N

ClientSampleId :

VN1029WBL01

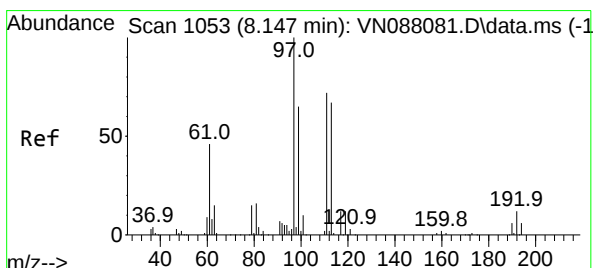
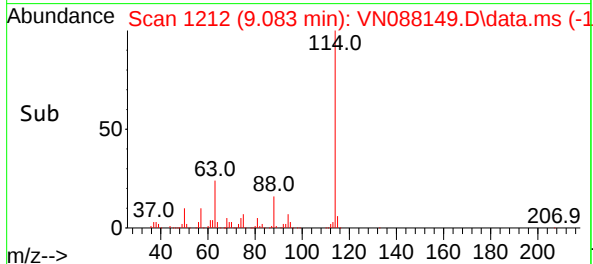
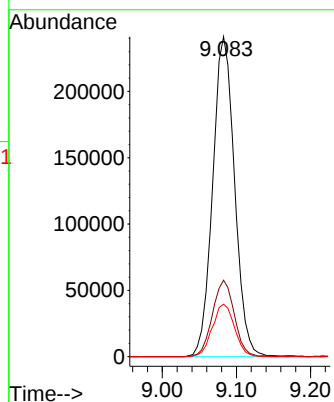
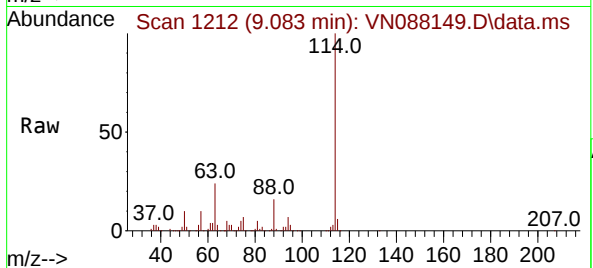
Tgt Ion:114 Resp: 494622

Ion Ratio Lower Upper

114 100

63 23.9 0.0 45.2

88 16.4 0.0 33.4



#35

Dibromofluoromethane

Concen: 46.586 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VN088149.D

Acq: 29 Oct 2025 11:06

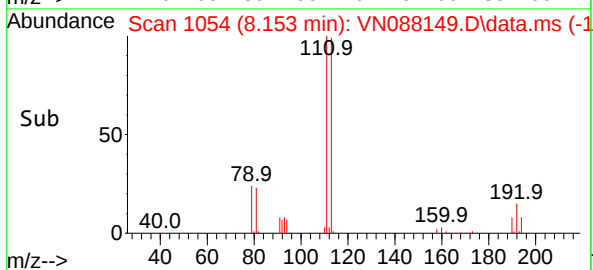
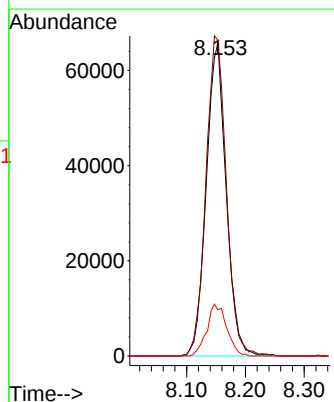
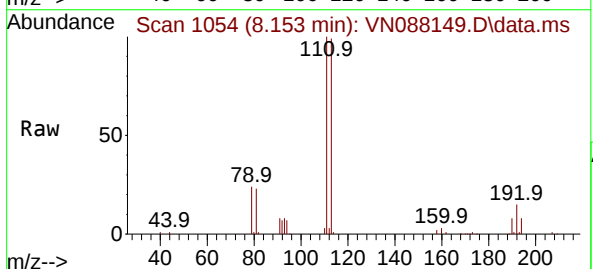
Tgt Ion:113 Resp: 154801

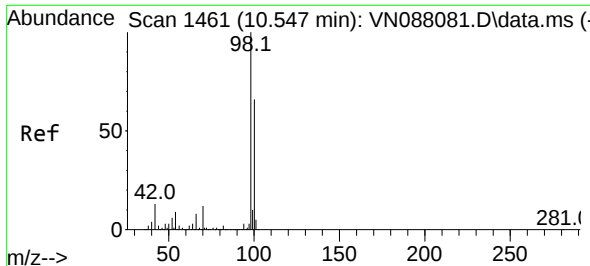
Ion Ratio Lower Upper

113 100

111 104.5 82.8 124.2

192 16.5 12.8 19.2

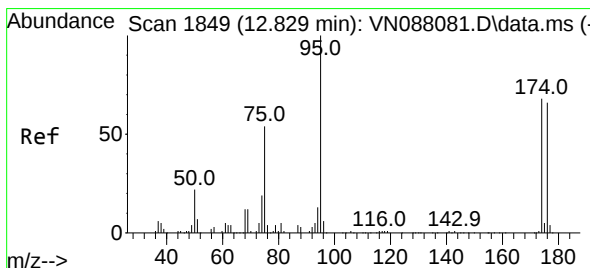
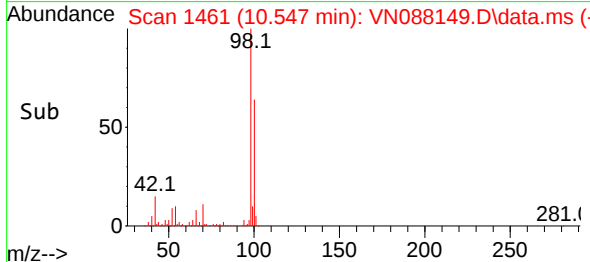
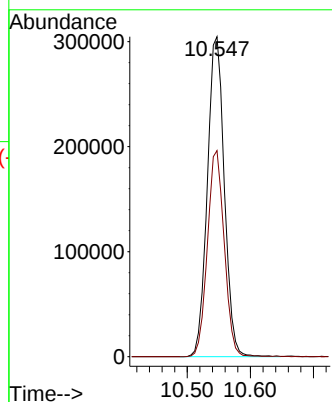
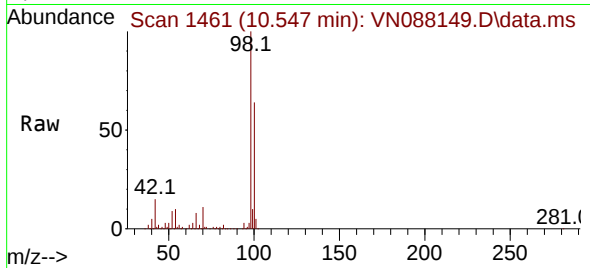




#50
Toluene-d8
Concen: 44.488 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088149.D
Acq: 29 Oct 2025 11:06

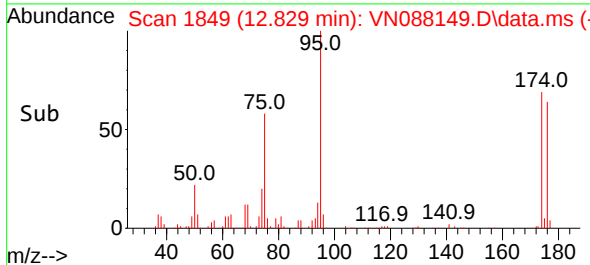
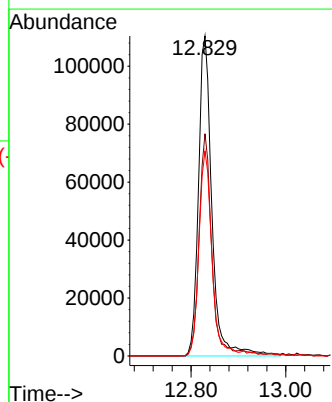
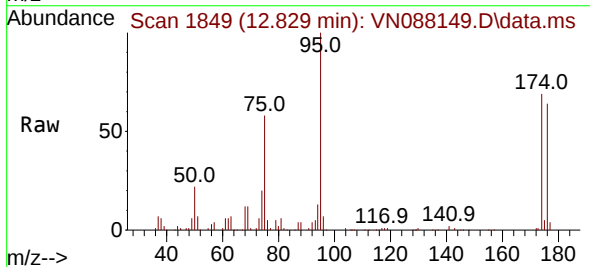
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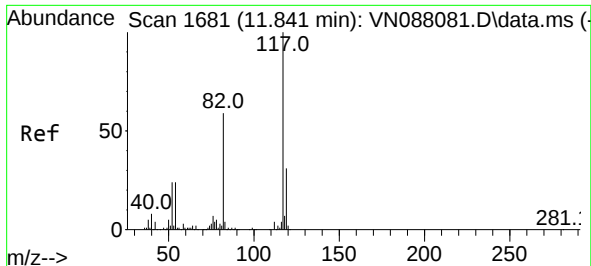
Tgt Ion: 98 Resp: 569614
Ion Ratio Lower Upper
98 100
100 63.7 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.088 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088149.D
Acq: 29 Oct 2025 11:06

Tgt Ion: 95 Resp: 217445
Ion Ratio Lower Upper
95 100
174 63.9 0.0 138.4
176 61.6 0.0 132.6

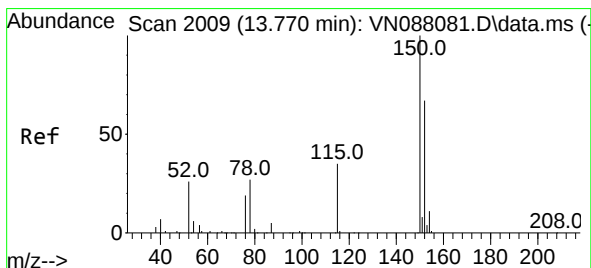
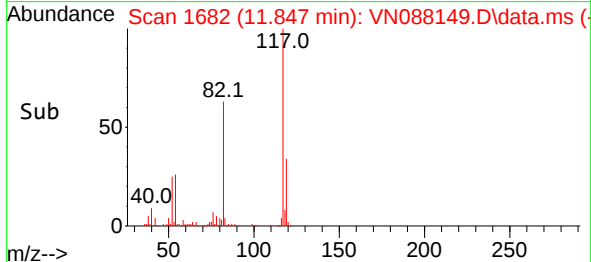
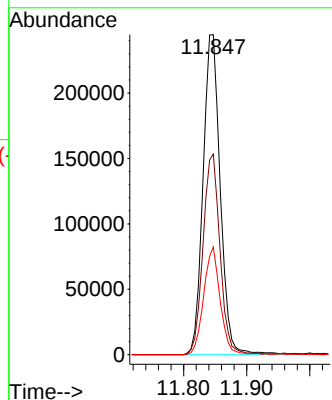
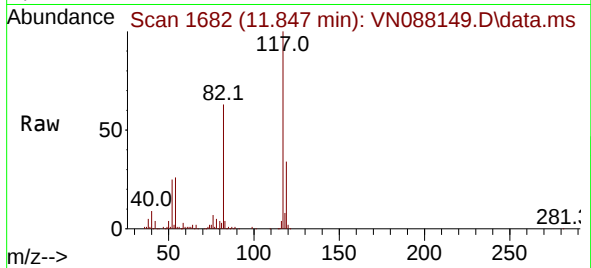




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088149.D
Acq: 29 Oct 2025 11:06

Instrument :
MSVOA_N
ClientSampleId :
VN1029WBL01

Tgt Ion:117 Resp: 463889
Ion Ratio Lower Upper
117 100
82 62.7 47.4 71.2
119 33.7 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: VN088149.D
Acq: 29 Oct 2025 11:06

Tgt Ion:152 Resp: 222427
Ion Ratio Lower Upper
152 100
115 64.8 32.3 96.8
150 160.0 0.0 351.0

