

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088421.D
 Acq On : 03 Dec 2025 12:31
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Dec 04 00:17:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	171012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	392624	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	373269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	172595	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	186044	57.750	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.500%
35) Dibromofluoromethane	8.147	113	138712	50.981	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.960%
50) Toluene-d8	10.541	98	474572	46.877	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.760%
62) 4-Bromofluorobenzene	12.829	95	169931	48.920	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	97.840%

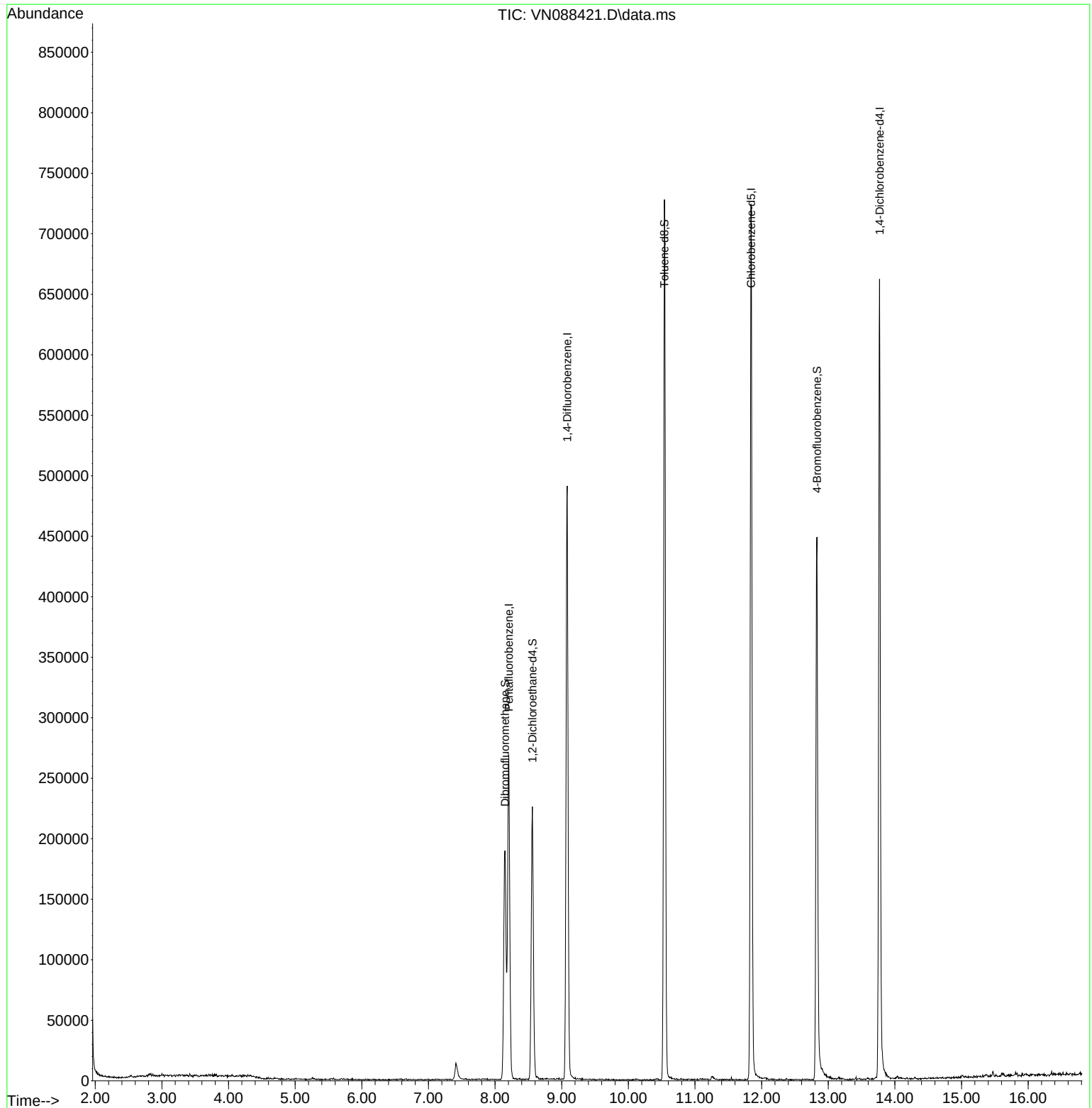
Target Compounds	Qvalue

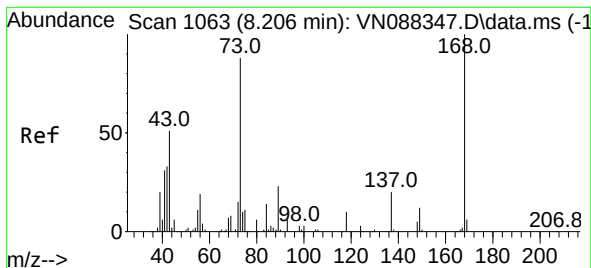
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN088421.D

Acq: 03 Dec 2025 12:31

Instrument :

MSVOA_N

ClientSampleId :

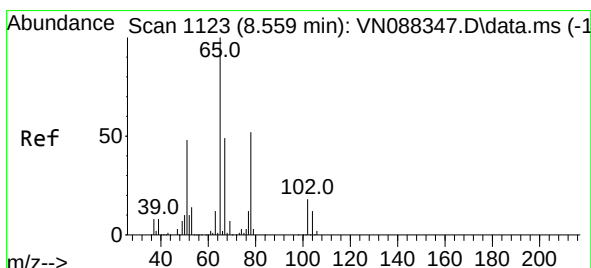
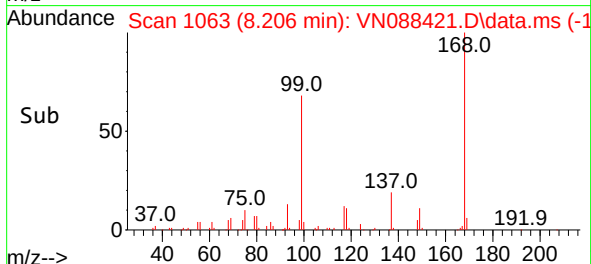
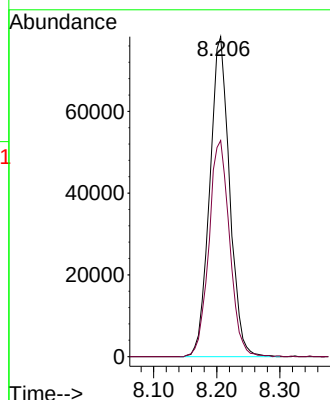
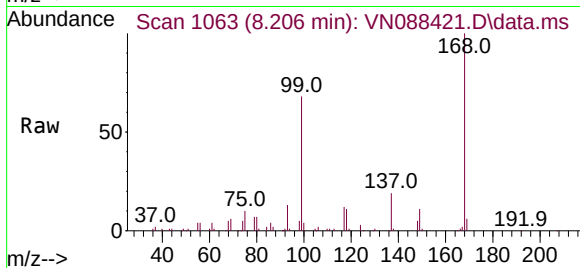
IBLK

Tgt Ion:168 Resp: 171012

Ion Ratio Lower Upper

168 100

99 67.5 57.1 85.7



#33

1,2-Dichloroethane-d4

Concen: 57.750 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088421.D

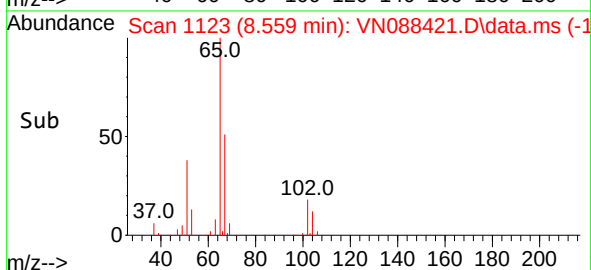
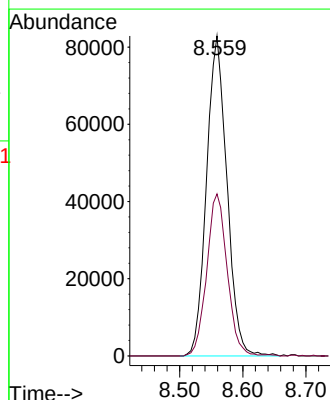
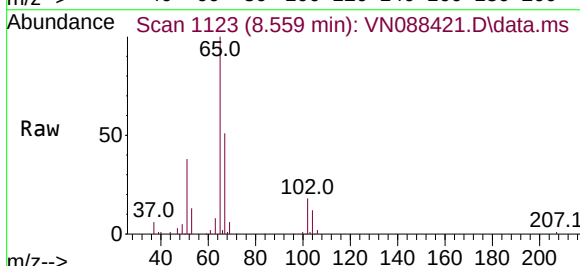
Acq: 03 Dec 2025 12:31

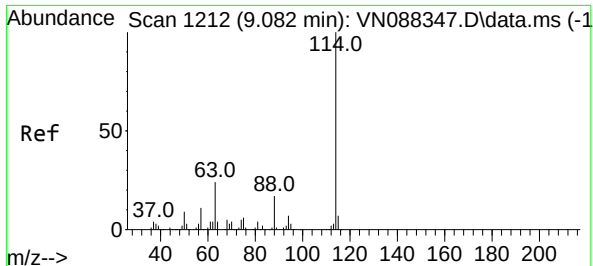
Tgt Ion: 65 Resp: 186044

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN088421.D

Acq: 03 Dec 2025 12:31

Instrument :

MSVOA_N

ClientSampleId :

IBLK

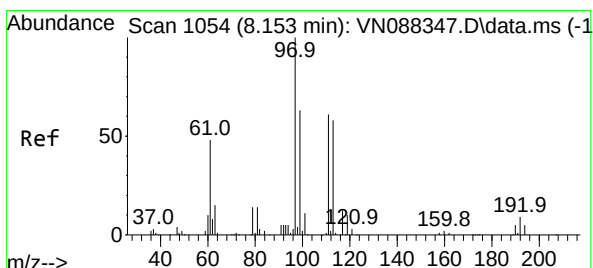
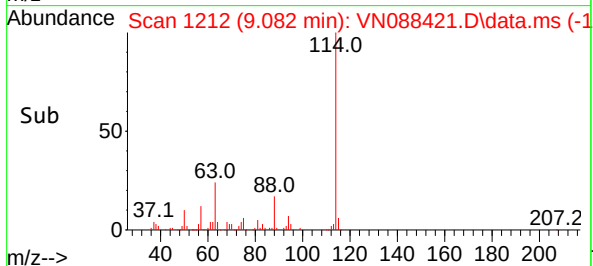
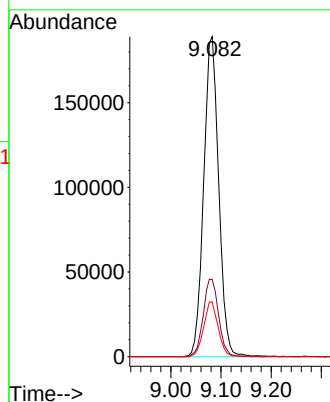
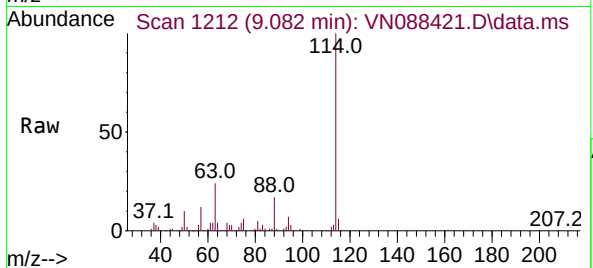
Tgt Ion:114 Resp: 392624

Ion Ratio Lower Upper

114 100

63 24.1 0.0 49.0

88 17.1 0.0 34.0



#35

Dibromofluoromethane

Concen: 50.981 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088421.D

Acq: 03 Dec 2025 12:31

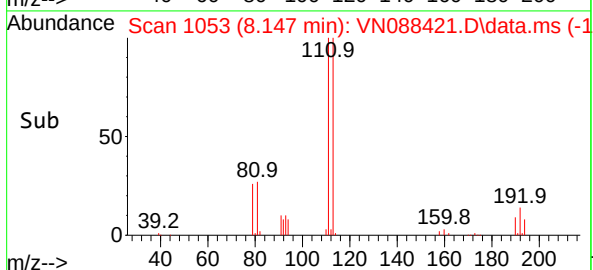
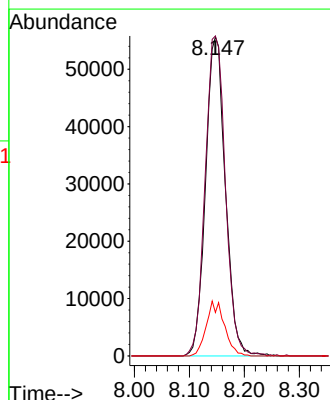
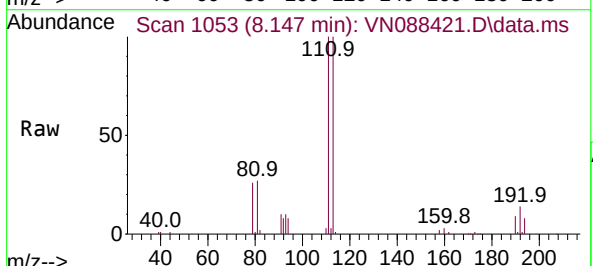
Tgt Ion:113 Resp: 138712

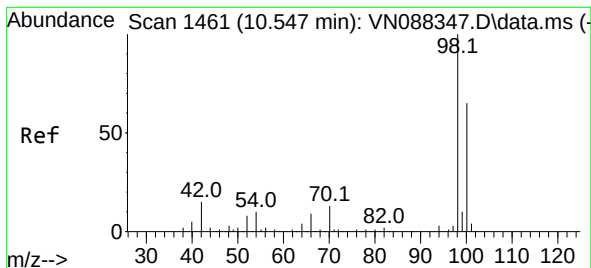
Ion Ratio Lower Upper

113 100

111 102.6 82.5 123.7

192 15.9 12.8 19.2





#50

Toluene-d8

Concen: 46.877 ug/l

RT: 10.541 min Scan# 1461

Delta R.T. -0.006 min

Lab File: VN088421.D

Acq: 03 Dec 2025 12:31

Instrument :

MSVOA_N

ClientSampleId :

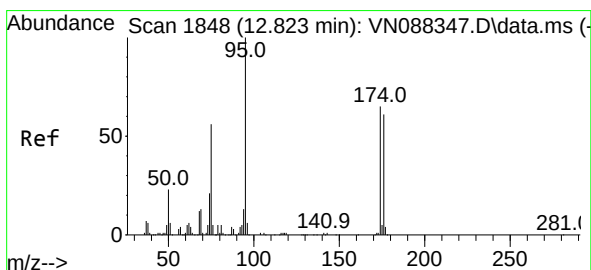
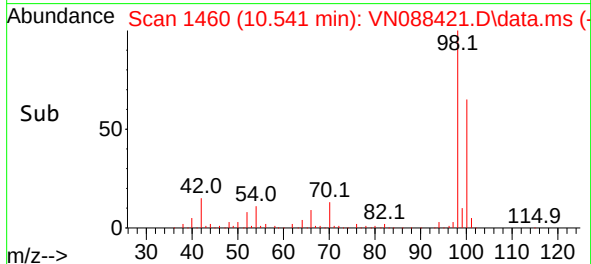
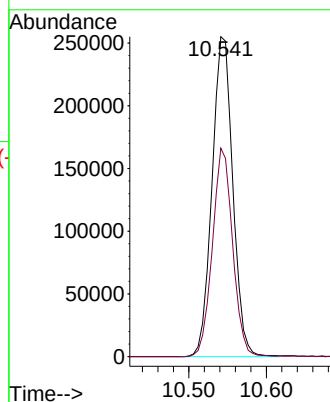
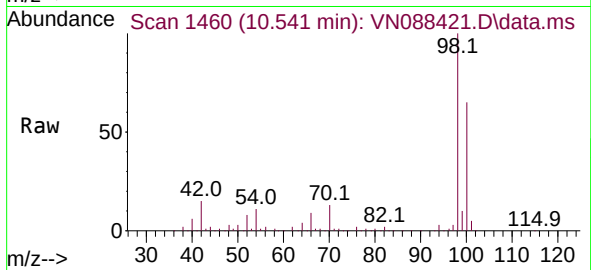
IBLK

Tgt Ion: 98 Resp: 474572

Ion Ratio Lower Upper

98 100

100 63.5 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 48.920 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN088421.D

Acq: 03 Dec 2025 12:31

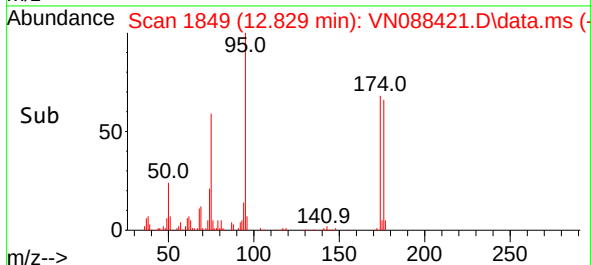
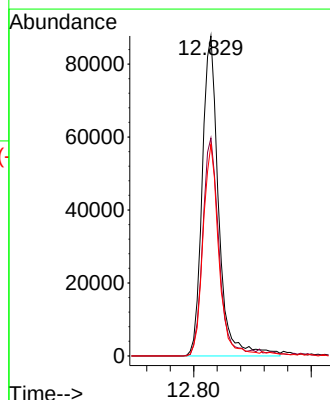
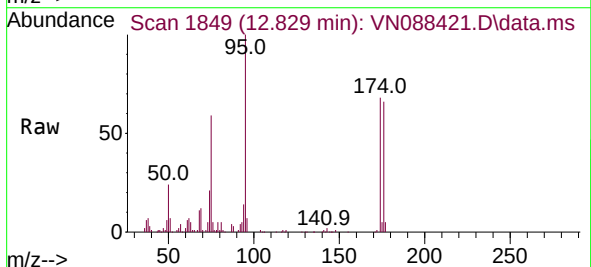
Tgt Ion: 95 Resp: 169931

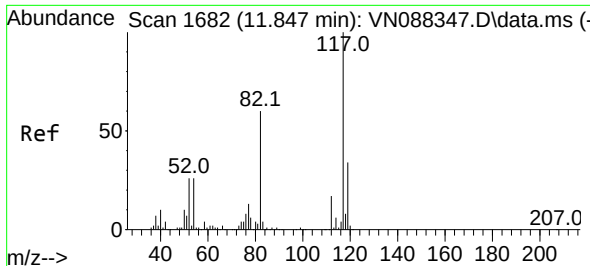
Ion Ratio Lower Upper

95 100

174 67.0 0.0 139.0

176 63.8 0.0 132.4

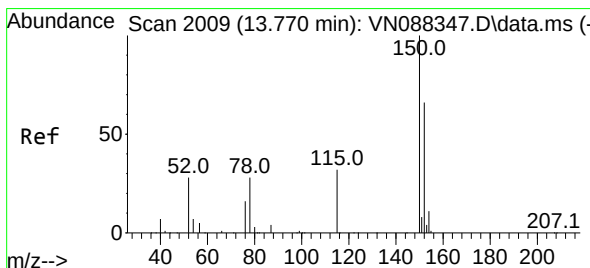
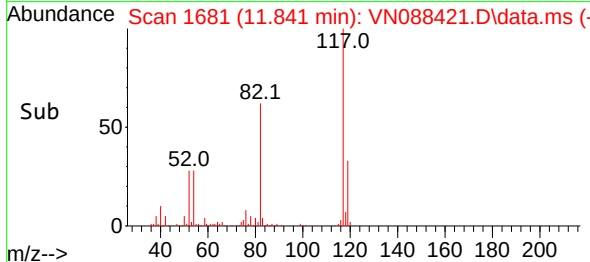
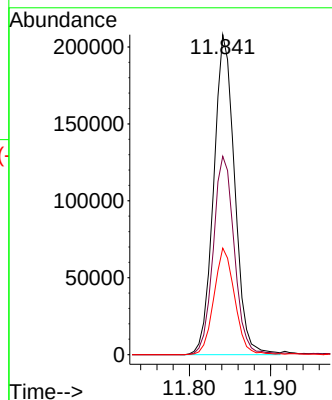
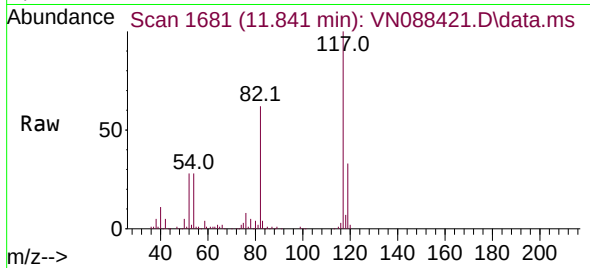




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion:117 Resp: 373269
Ion Ratio Lower Upper
117 100
82 62.0 47.8 71.8
119 33.3 26.9 40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088421.D
Acq: 03 Dec 2025 12:31

Tgt Ion:152 Resp: 172595
Ion Ratio Lower Upper
152 100
115 65.3 33.0 98.9
150 158.6 0.0 349.0

