

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111125\
 Data File : VN088245.D
 Acq On : 11 Nov 2025 10:47
 Operator : JC\MD
 Sample : VN1111WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBL01

Quant Time: Nov 12 01:10:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	278240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	640316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	622917	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	308984	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	296104	61.543	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	123.080%
35) Dibromofluoromethane	8.147	113	212941	49.502	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.000%
50) Toluene-d8	10.541	98	762057	45.976	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.960%
62) 4-Bromofluorobenzene	12.823	95	299716	51.201	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	102.400%

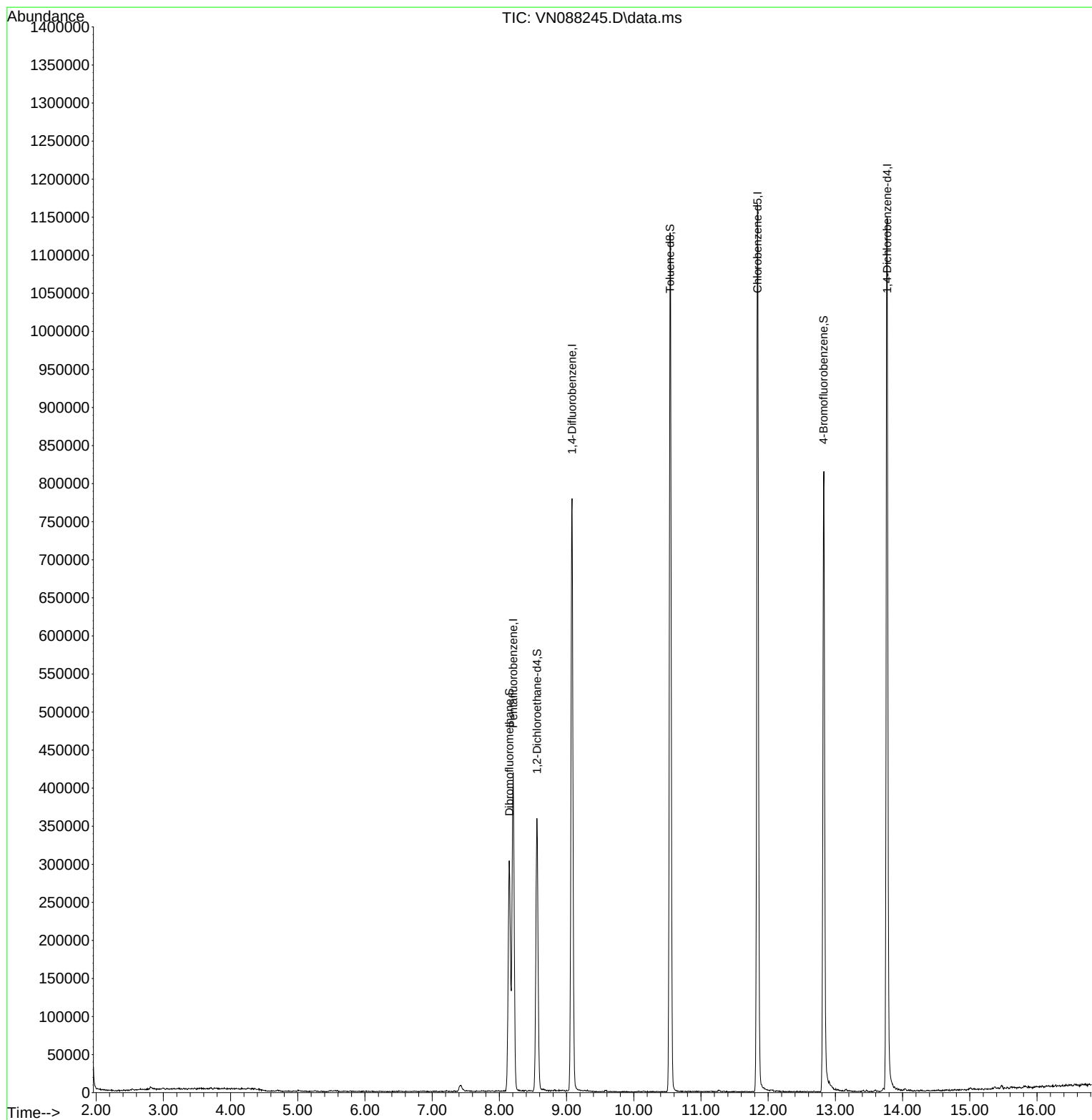
Target Compounds	Qvalue

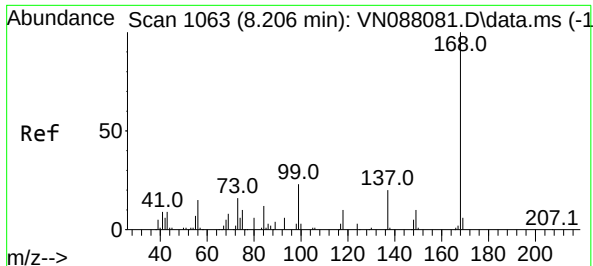
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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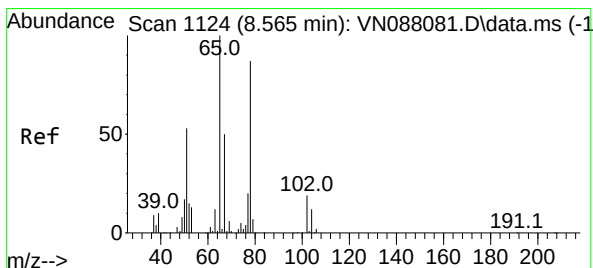
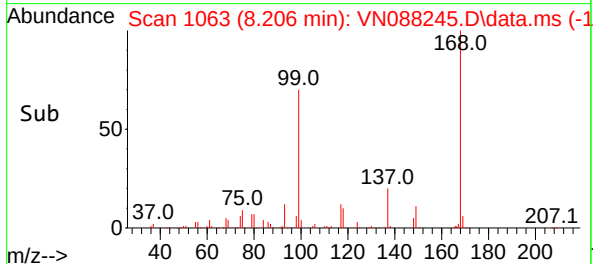
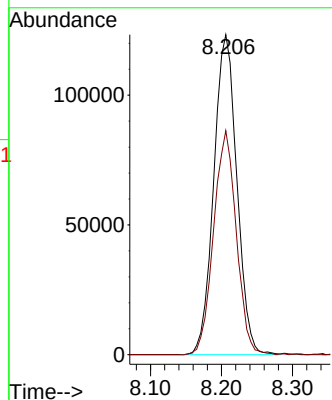
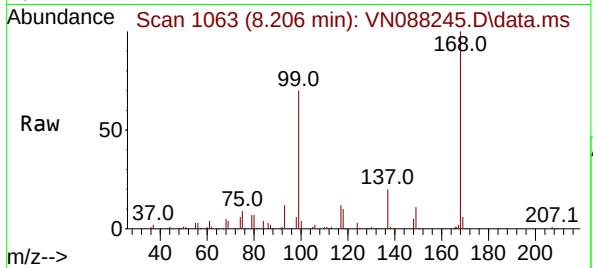




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

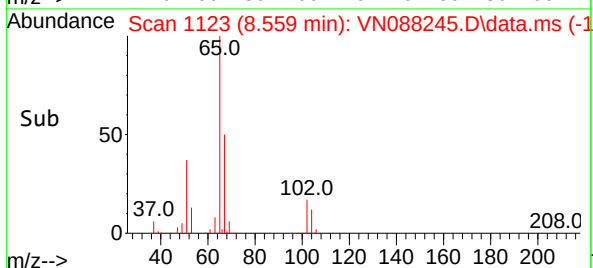
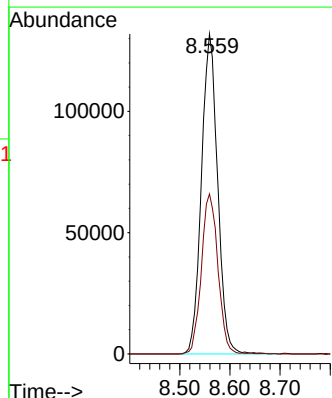
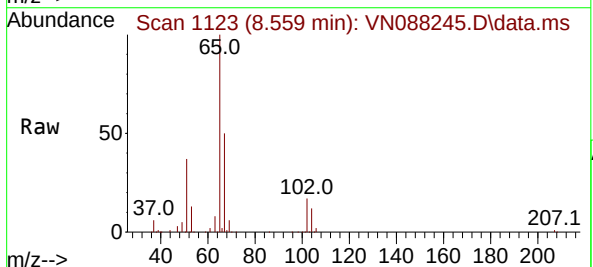
Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

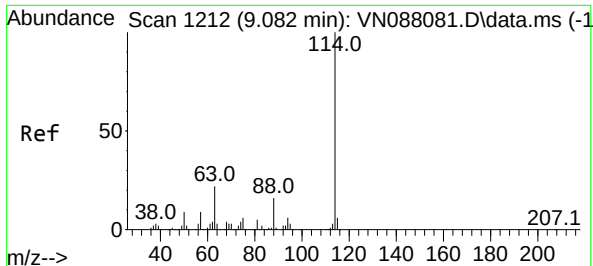
Tgt Ion:168 Resp: 278240
Ion Ratio Lower Upper
168 100
99 70.0 57.2 85.8



#33
1,2-Dichloroethane-d4
Concen: 61.543 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

Tgt Ion: 65 Resp: 296104
Ion Ratio Lower Upper
65 100
67 51.0 0.0 100.0

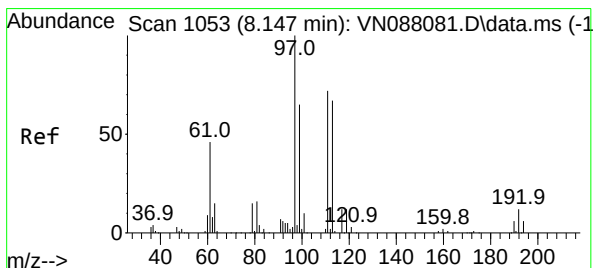
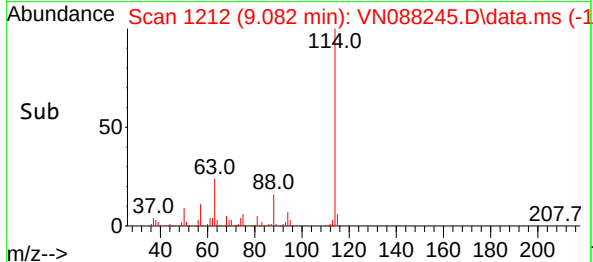
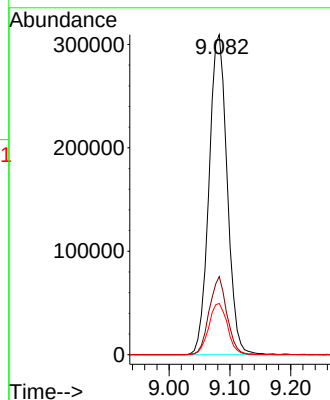
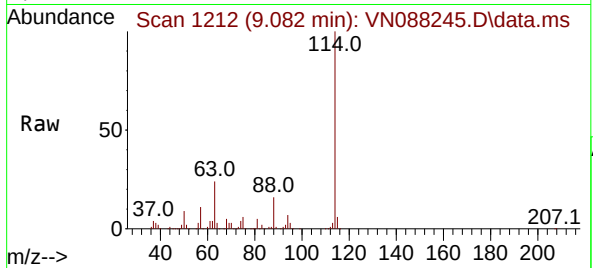




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

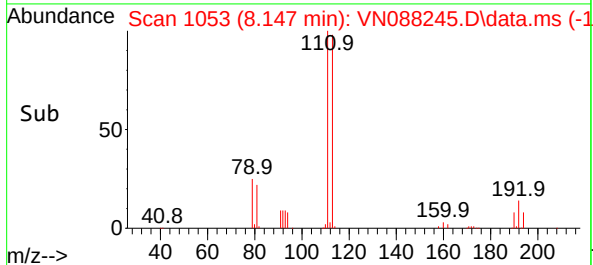
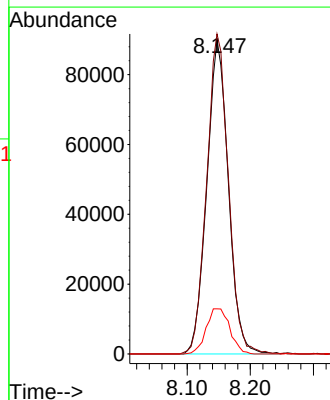
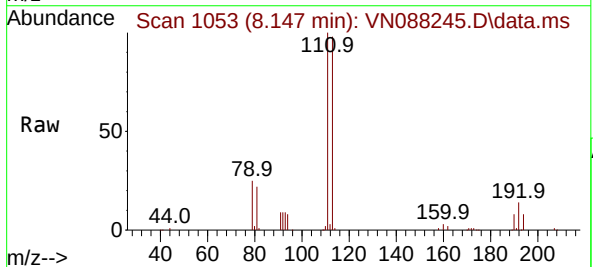
Instrument :
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ClientSampleId :
VN1111WBL01

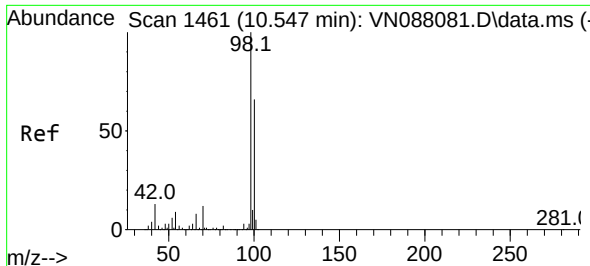
Tgt Ion:114 Resp: 640316
Ion Ratio Lower Upper
114 100
63 24.4 0.0 45.2
88 16.0 0.0 33.4



#35
Dibromofluoromethane
Concen: 49.502 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

Tgt Ion:113 Resp: 212941
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 15.8 12.8 19.2

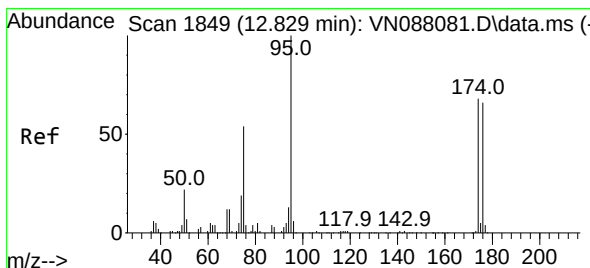
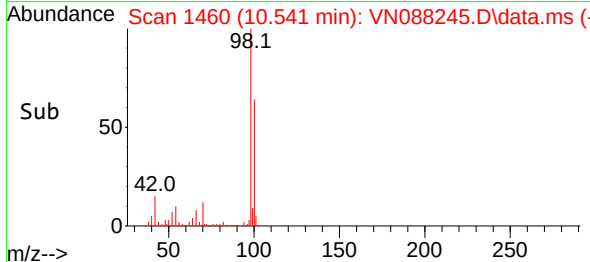
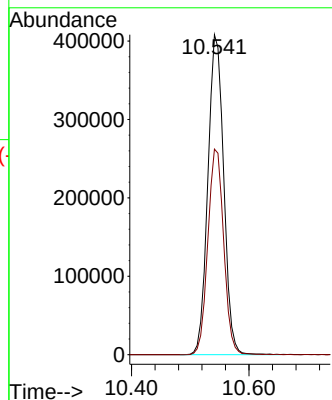
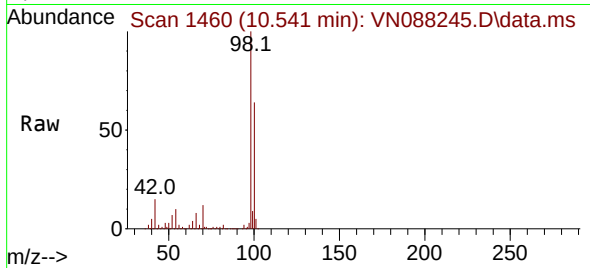




#50
Toluene-d8
Concen: 45.976 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

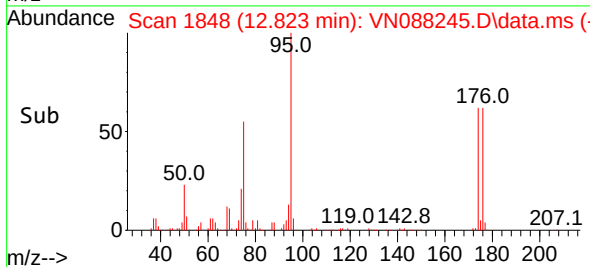
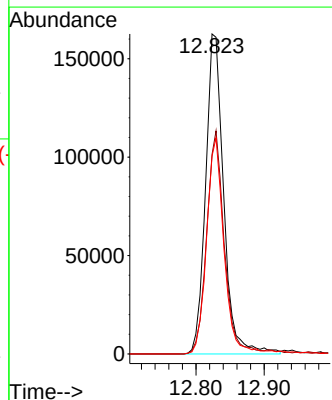
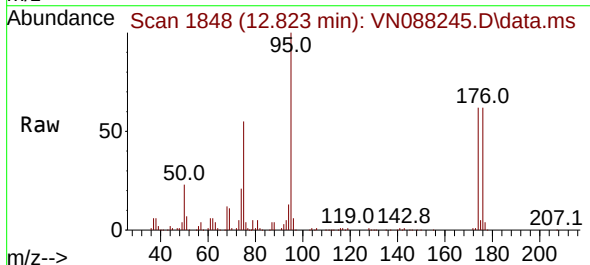
Instrument :
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VN1111WBL01

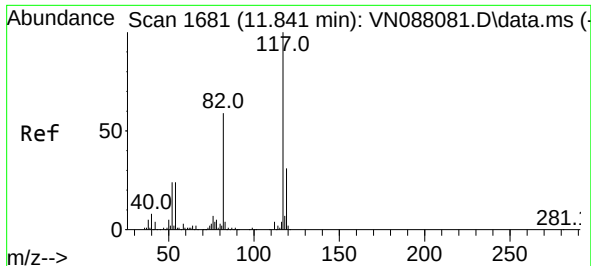
Tgt Ion: 98 Resp: 762057
Ion Ratio Lower Upper
98 100
100 64.3 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 51.201 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

Tgt Ion: 95 Resp: 299716
Ion Ratio Lower Upper
95 100
174 68.0 0.0 138.4
176 66.5 0.0 132.6

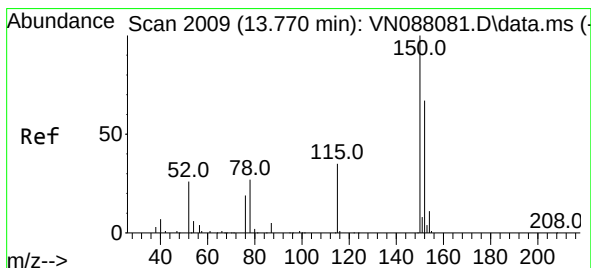
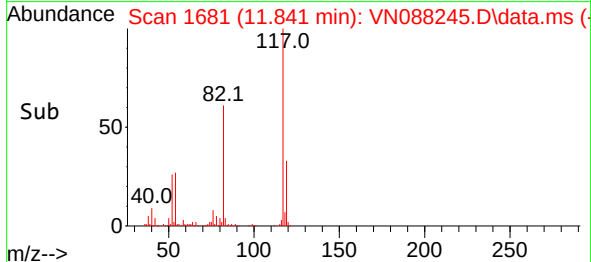
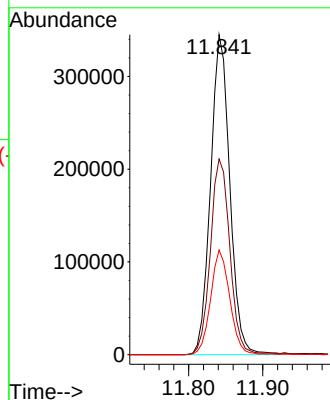
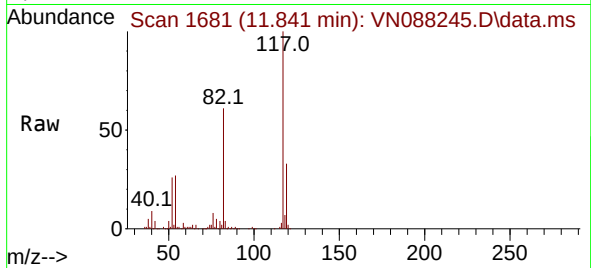




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088245.D
Acq: 11 Nov 2025 10:47

Instrument :
MSVOA_N
ClientSampleId :
VN1111WBL01

Tgt Ion:117 Resp: 622917
Ion Ratio Lower Upper
117 100
82 61.1 47.4 71.2
119 32.7 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: VN088245.D
Acq: 11 Nov 2025 10:47

Tgt Ion:152 Resp: 308984
Ion Ratio Lower Upper
152 100
115 64.8 32.3 96.8
150 156.2 0.0 351.0

