

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
 Data File : VN088153.D
 Acq On : 29 Oct 2025 12:42
 Operator : JC\MD
 Sample : Q3468-06DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12DL

Quant Time: Oct 30 04:04:41 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)

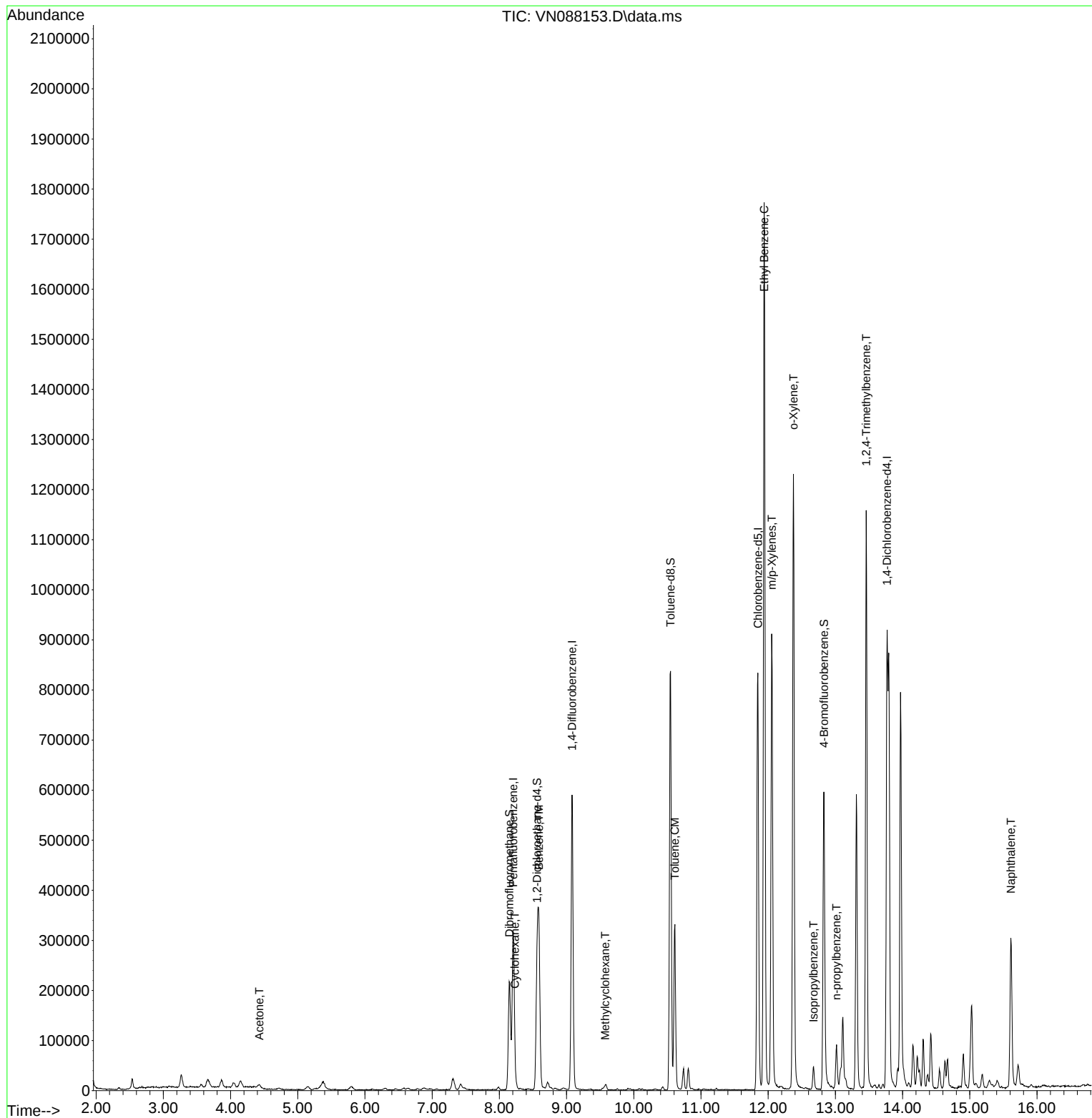
Internal Standards						
1) Pentafluorobenzene	8.206	168	208467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	468936	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	447110	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	226296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	206058	57.162	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.320%			
35) Dibromofluoromethane	8.147	113	152296	48.343	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.680%			
50) Toluene-d8	10.547	98	564534	46.507	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.020%			
62) 4-Bromofluorobenzene	12.829	95	223470	52.128	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.260%			
Target Compounds						
					Qvalue	
16) Acetone	4.430	43	14489	8.000	ug/l #	88
31) Cyclohexane	8.229	56	15656	3.103	ug/l #	70
39) Methylcyclohexane	9.576	83	4230	0.715	ug/l	97
40) Benzene	8.588	78	291762	20.827	ug/l	96
52) Toluene	10.612	92	135826	15.726	ug/l	100
67) Ethyl Benzene	11.941	91	1264412	70.952	ug/l	99
68) m/p-Xylenes	12.053	106	262075	39.250	ug/l	99
69) o-Xylene	12.376	106	323116	51.048	ug/l	96
73) Isopropylbenzene	12.676	105	29980	1.718	ug/l	97
78) n-propylbenzene	13.017	91	73177	3.436	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	645205	44.488	ug/l	100
95) Naphthalene	15.611	128	279733	18.617	ug/l	99

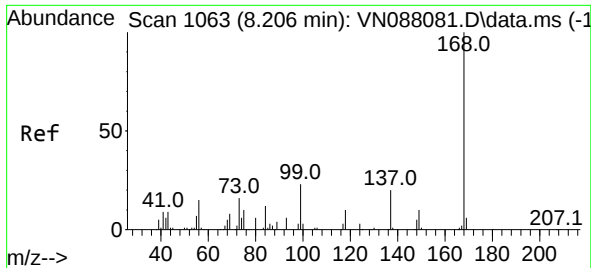
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
Data File : VN088153.D
Acq On : 29 Oct 2025 12:42
Operator : JC\MD
Sample : Q3468-06DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12DL

Quant Time: Oct 30 04:04:41 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

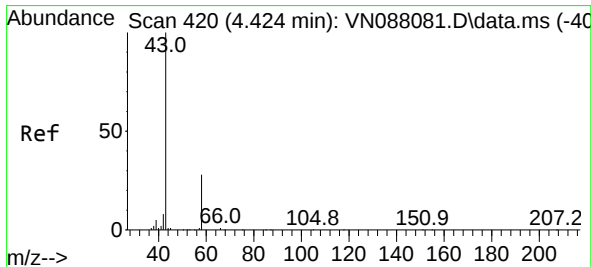
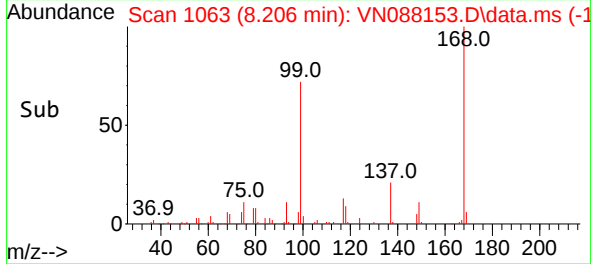
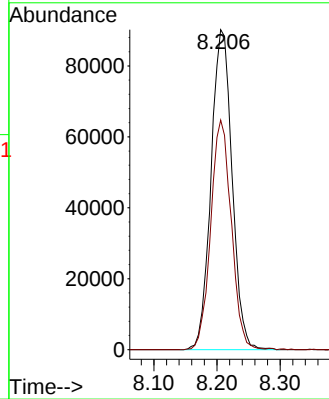
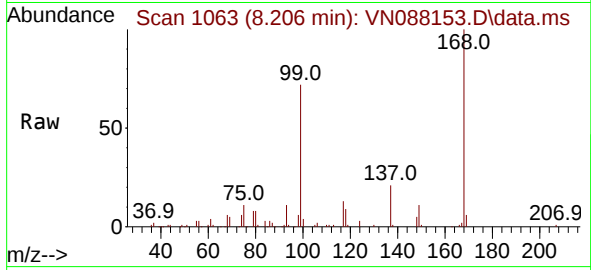




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088153.D
Acq: 29 Oct 2025 12:42

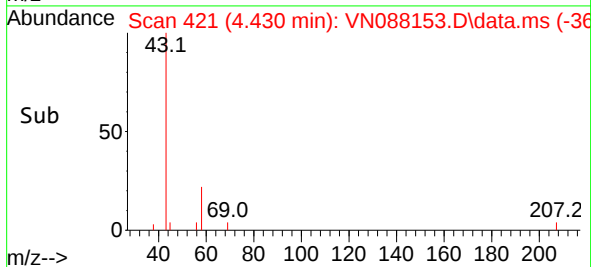
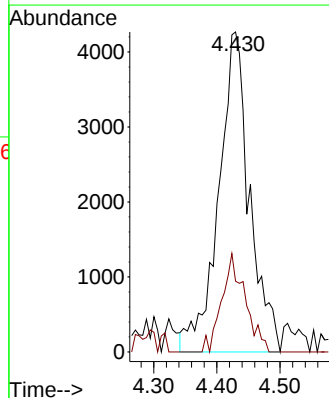
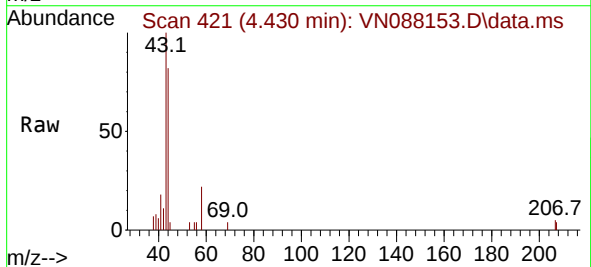
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL

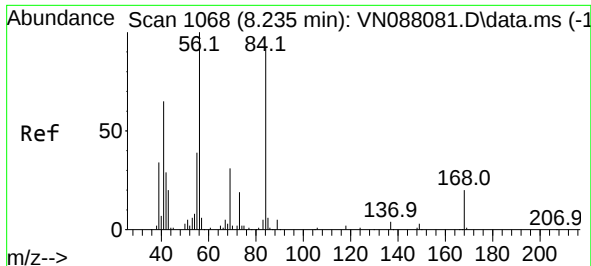
Tgt Ion:168 Resp: 208467
Ion Ratio Lower Upper
168 100
99 71.8 57.2 85.8



#16
Acetone
Concen: 8.000 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN088153.D
Acq: 29 Oct 2025 12:42

Tgt Ion: 43 Resp: 14489
Ion Ratio Lower Upper
43 100
58 22.1 22.6 33.8#

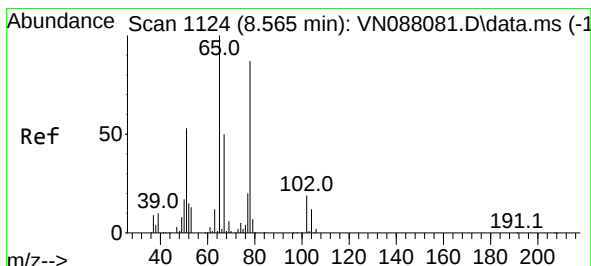
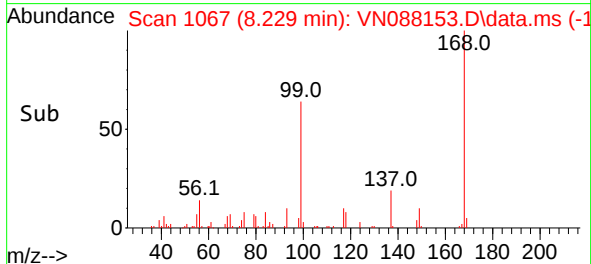
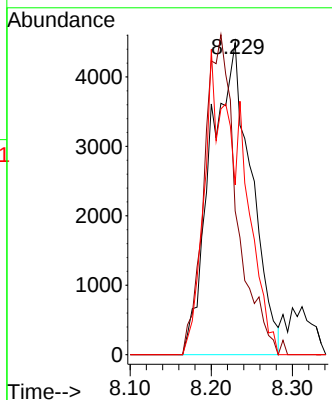
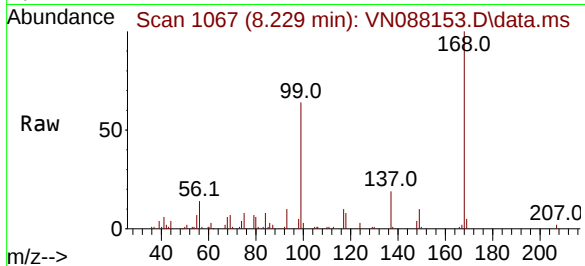




#31
Cyclohexane
Concen: 3.103 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN088153.D
Acq: 29 Oct 2025 12:42

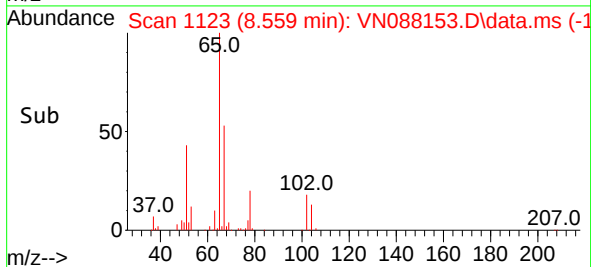
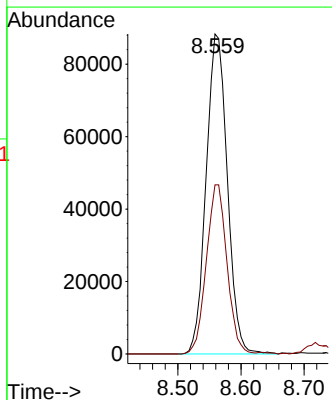
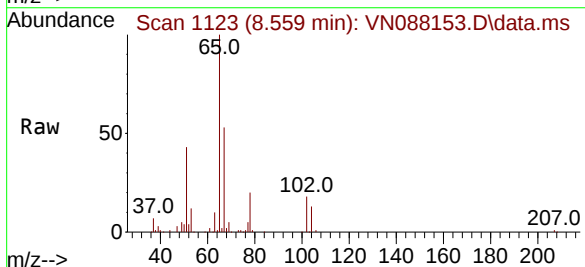
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL

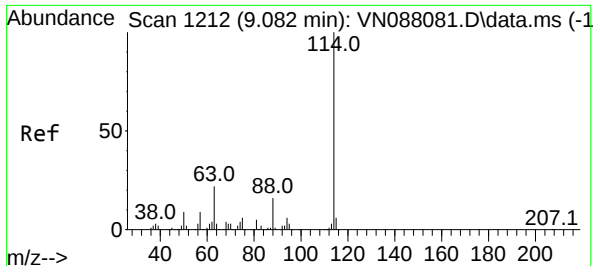
Tgt Ion: 56 Resp: 15656
Ion Ratio Lower Upper
56 100
69 46.1 23.7 35.5#
84 54.4 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 57.162 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088153.D
Acq: 29 Oct 2025 12:42

Tgt Ion: 65 Resp: 206058
Ion Ratio Lower Upper
65 100
67 51.5 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: VN088153.D

Acq: 29 Oct 2025 12:42

Instrument :

MSVOA_N

ClientSampleId :

MW-12DL

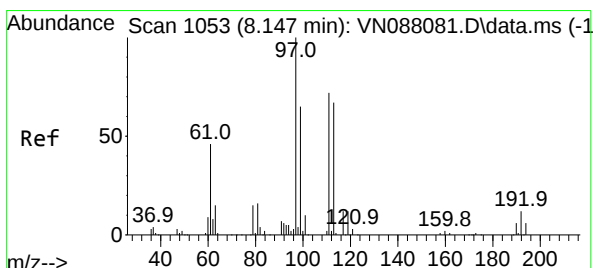
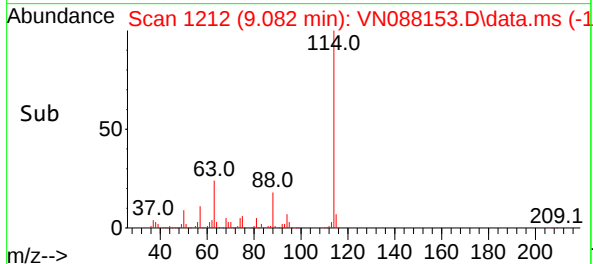
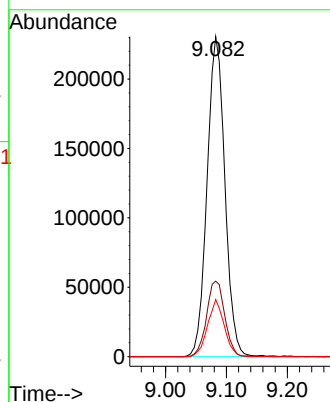
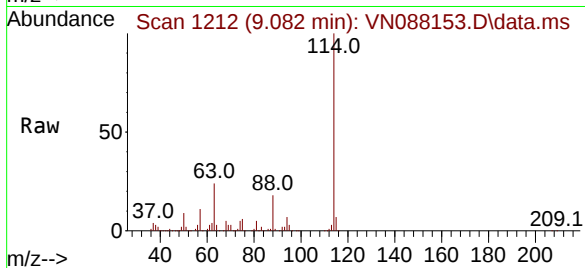
Tgt Ion:114 Resp: 468936

Ion Ratio Lower Upper

114 100

63 23.6 0.0 45.2

88 17.9 0.0 33.4



#35

Dibromofluoromethane

Concen: 48.343 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088153.D

Acq: 29 Oct 2025 12:42

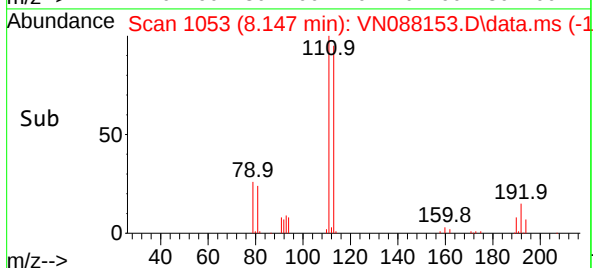
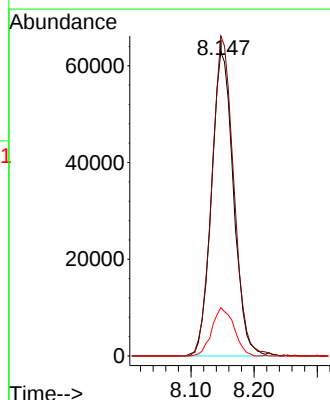
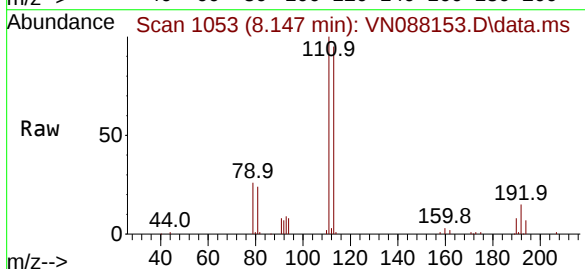
Tgt Ion:113 Resp: 152296

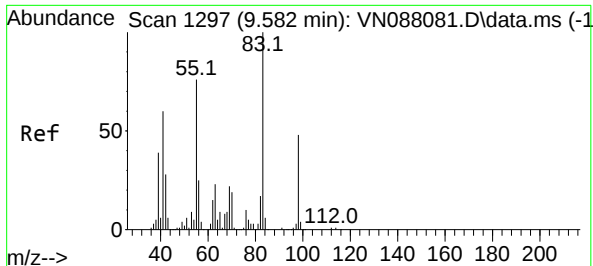
Ion Ratio Lower Upper

113 100

111 104.4 82.8 124.2

192 15.9 12.8 19.2





#39

Methylcyclohexane

Concen: 0.715 ug/l

RT: 9.576 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN088153.D

Acq: 29 Oct 2025 12:42

Instrument :

MSVOA_N

ClientSampleId :

MW-12DL

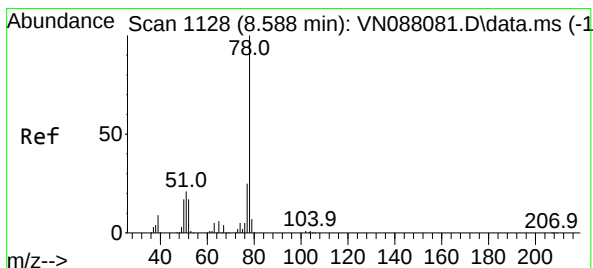
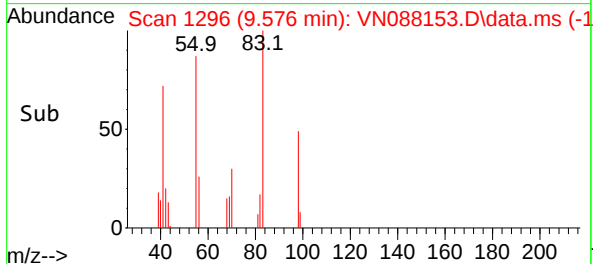
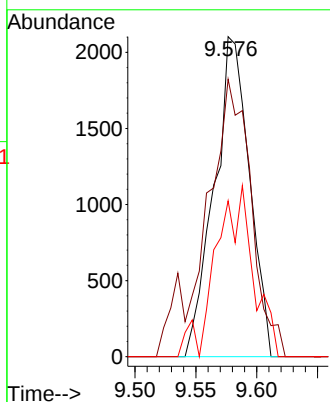
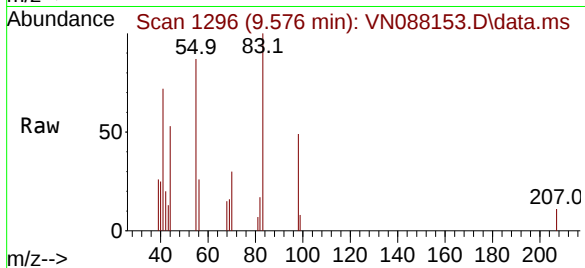
Tgt Ion: 83 Resp: 4230

Ion Ratio Lower Upper

83 100

55 76.7 64.6 96.8

98 48.7 38.4 57.6



#40

Benzene

Concen: 20.827 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN088153.D

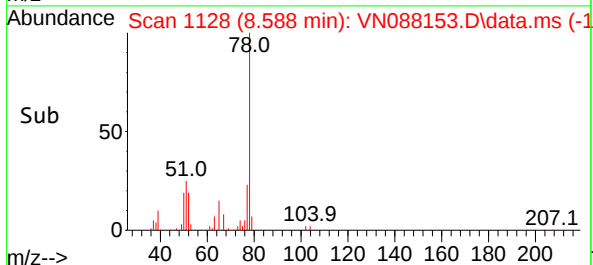
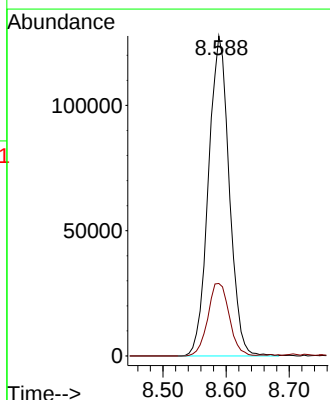
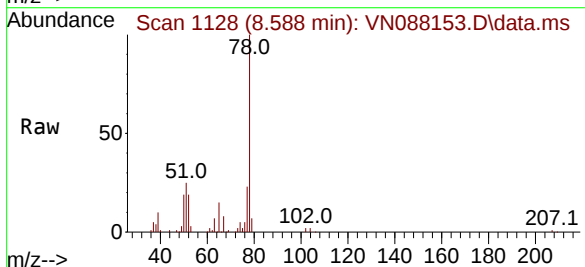
Acq: 29 Oct 2025 12:42

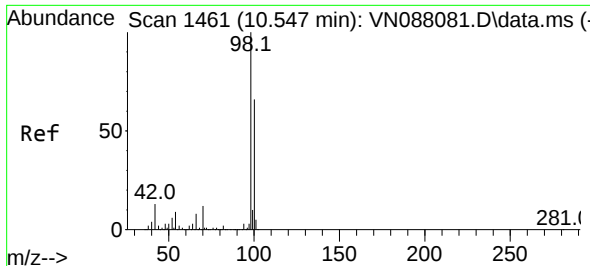
Tgt Ion: 78 Resp: 291762

Ion Ratio Lower Upper

78 100

77 22.6 19.7 29.5

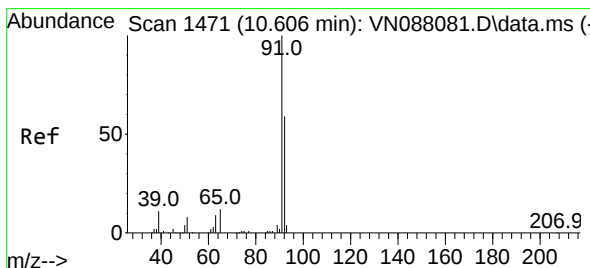
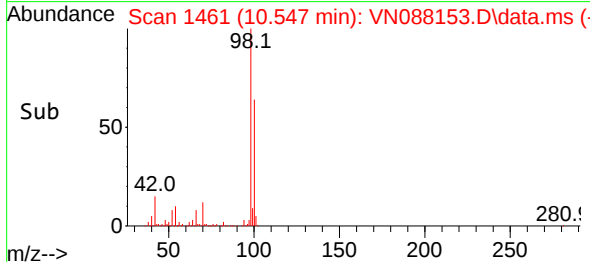
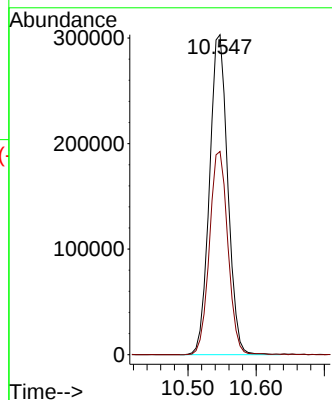
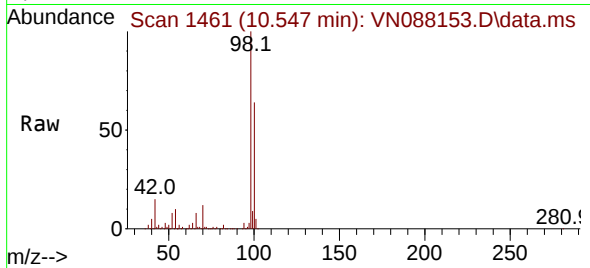




#50
Toluene-d8
Concen: 46.507 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088153.D
Acq: 29 Oct 2025 12:42

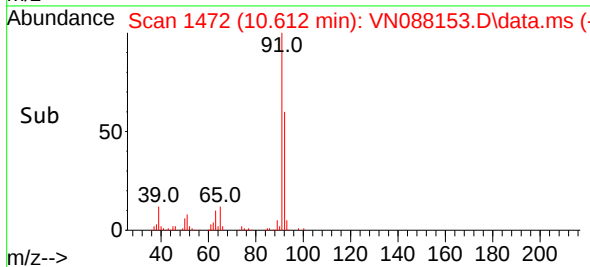
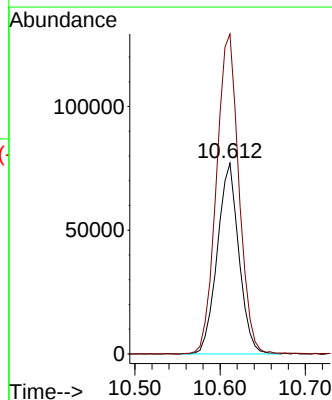
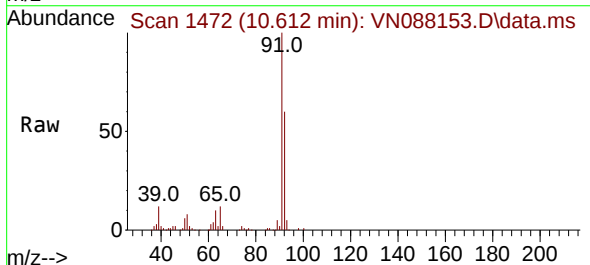
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL

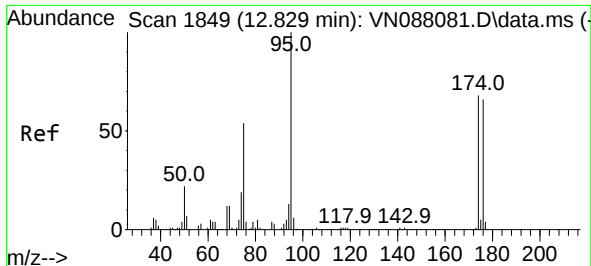
Tgt Ion: 98 Resp: 564534
Ion Ratio Lower Upper
98 100
100 64.0 52.8 79.2



#52
Toluene
Concen: 15.726 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN088153.D
Acq: 29 Oct 2025 12:42

Tgt Ion: 92 Resp: 135826
Ion Ratio Lower Upper
92 100
91 175.1 140.4 210.6

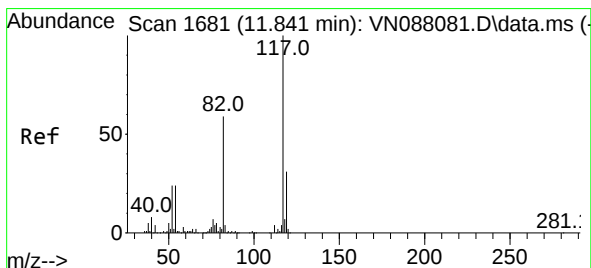
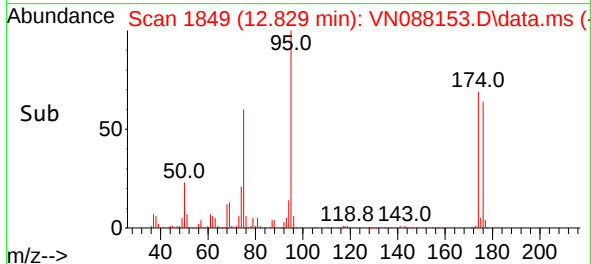
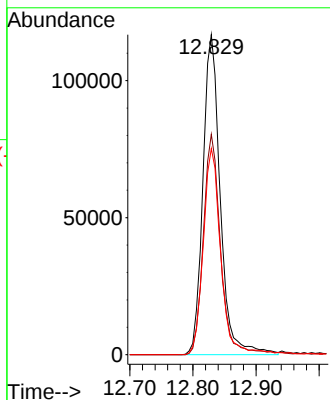
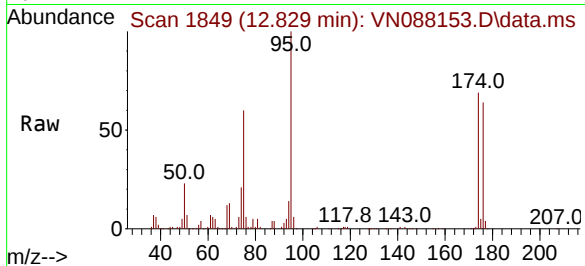




#62
4-Bromofluorobenzene
Concen: 52.128 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088153.D
Acq: 29 Oct 2025 12:42

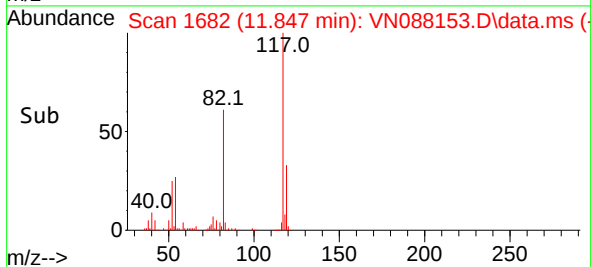
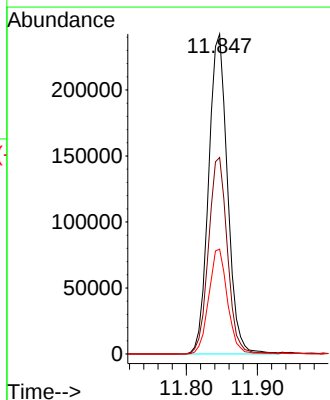
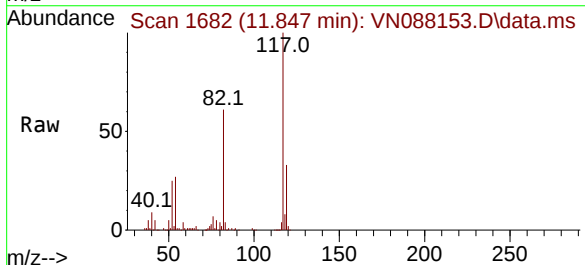
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL

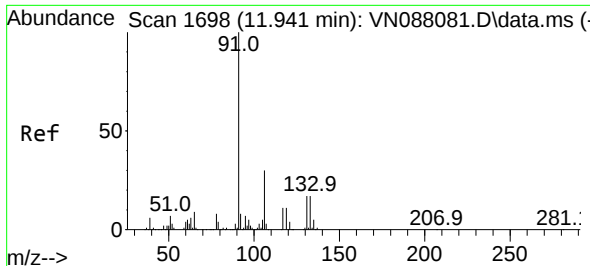
Tgt Ion: 95 Resp: 223470
Ion Ratio Lower Upper
95 100
174 68.1 0.0 138.4
176 65.5 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN088153.D
Acq: 29 Oct 2025 12:42

Tgt Ion: 117 Resp: 447110
Ion Ratio Lower Upper
117 100
82 61.4 47.4 71.2
119 32.7 24.3 36.5





#67

Ethyl Benzene

Concen: 70.952 ug/l

RT: 11.941 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088153.D

Acq: 29 Oct 2025 12:42

Instrument :

MSVOA_N

ClientSampleId :

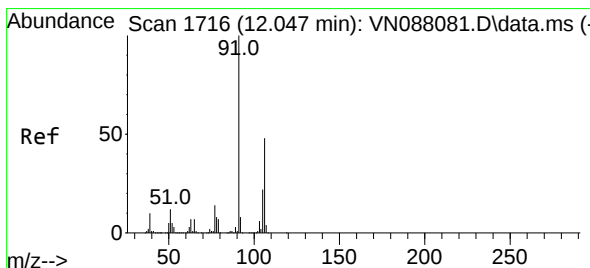
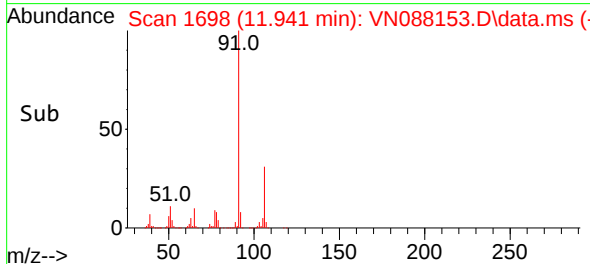
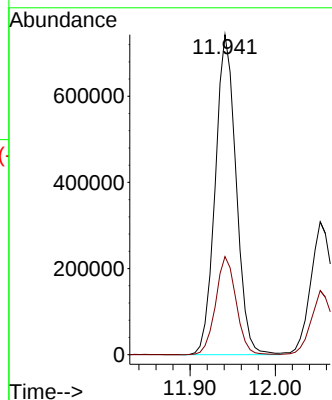
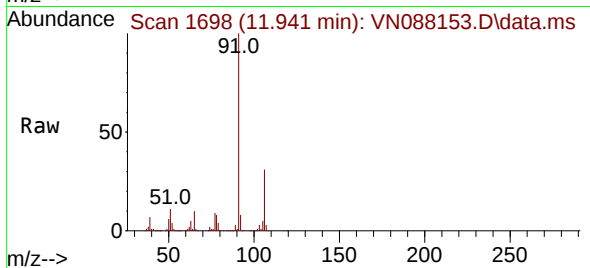
MW-12DL

Tgt Ion: 91 Resp: 1264412

Ion Ratio Lower Upper

91 100

106 30.6 24.1 36.1



#68

m/p-Xylenes

Concen: 39.250 ug/l

RT: 12.053 min Scan# 1717

Delta R.T. 0.006 min

Lab File: VN088153.D

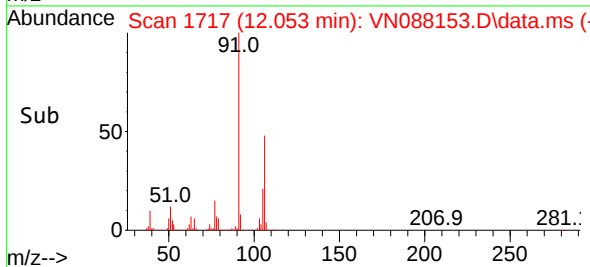
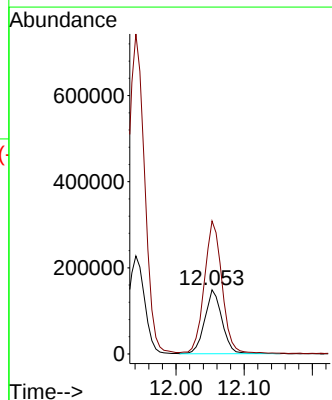
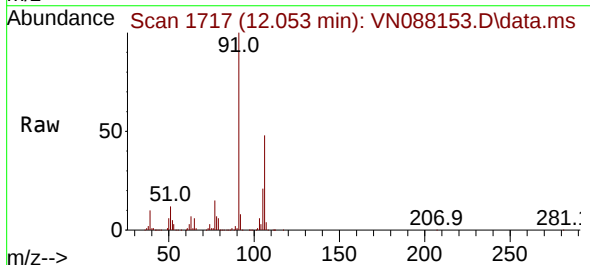
Acq: 29 Oct 2025 12:42

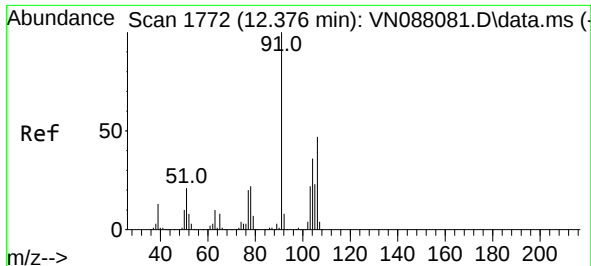
Tgt Ion:106 Resp: 262075

Ion Ratio Lower Upper

106 100

91 213.5 169.3 253.9

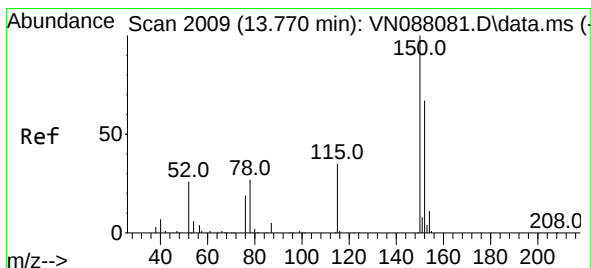
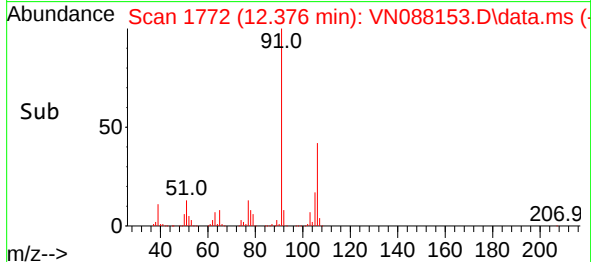
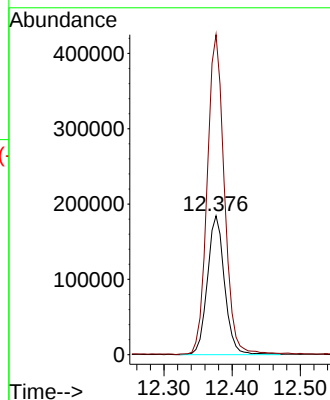
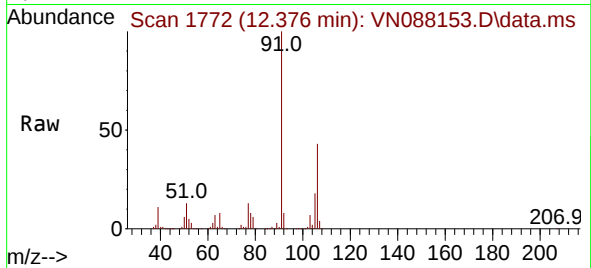




#69
o-Xylene
Concen: 51.048 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088153.D
Acq: 29 Oct 2025 12:42

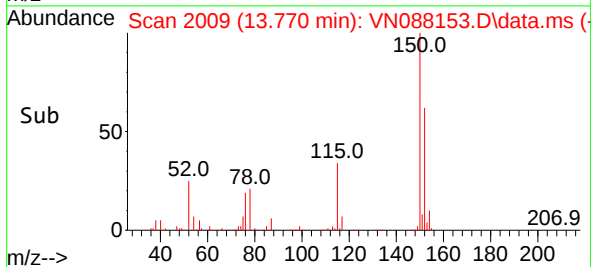
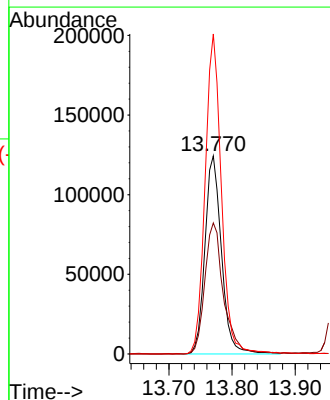
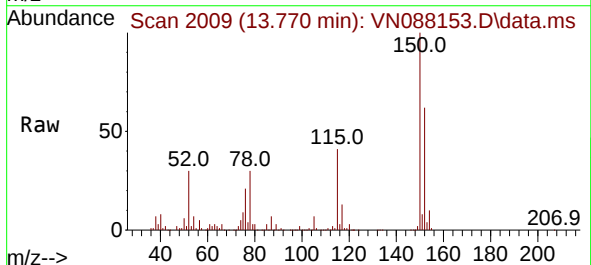
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL

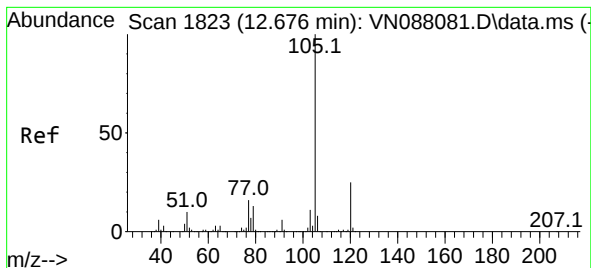
Tgt Ion:106 Resp: 323116
Ion Ratio Lower Upper
106 100
91 230.0 111.4 334.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088153.D
Acq: 29 Oct 2025 12:42

Tgt Ion:152 Resp: 226296
Ion Ratio Lower Upper
152 100
115 75.4 32.3 96.8
150 159.3 0.0 351.0





#73

Isopropylbenzene

Concen: 1.718 ug/l

RT: 12.676 min Scan# 1823

Delta R.T. 0.006 min

Lab File: VN088153.D

Acq: 29 Oct 2025 12:42

Instrument :

MSVOA_N

ClientSampleId :

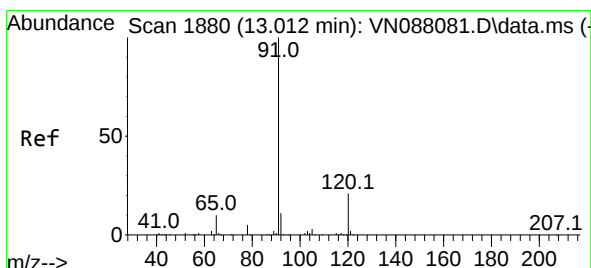
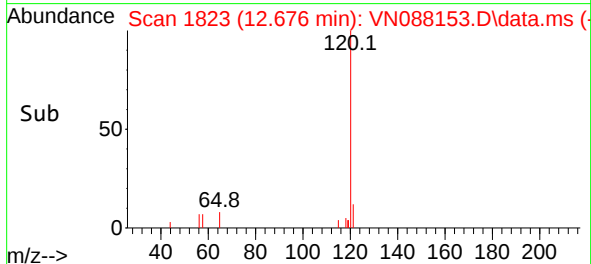
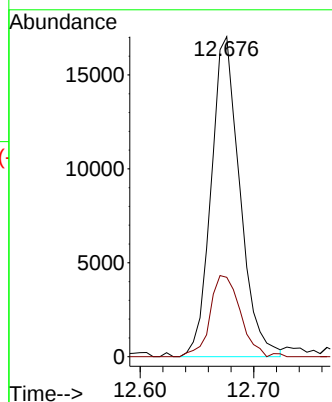
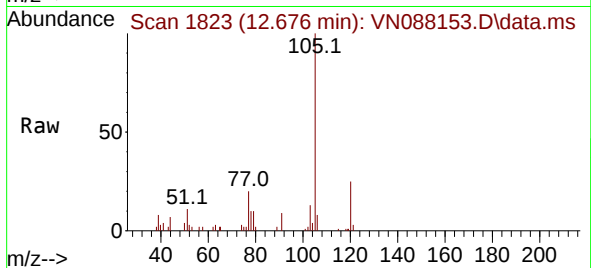
MW-12DL

Tgt Ion:105 Resp: 29980

Ion Ratio Lower Upper

105 100

120 26.8 12.8 38.3



#78

n-propylbenzene

Concen: 3.436 ug/l

RT: 13.017 min Scan# 1881

Delta R.T. 0.005 min

Lab File: VN088153.D

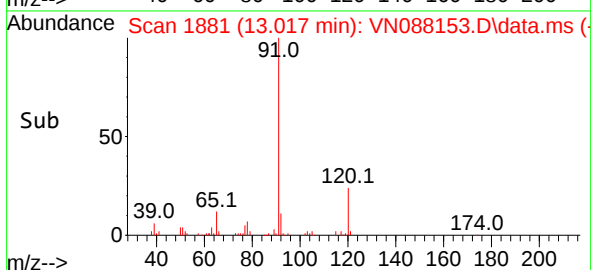
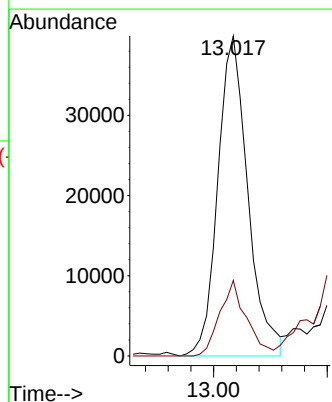
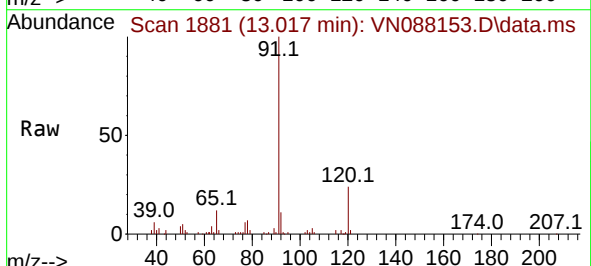
Acq: 29 Oct 2025 12:42

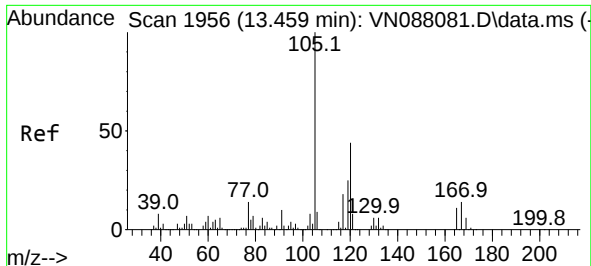
Tgt Ion: 91 Resp: 73177

Ion Ratio Lower Upper

91 100

120 21.0 10.7 32.1

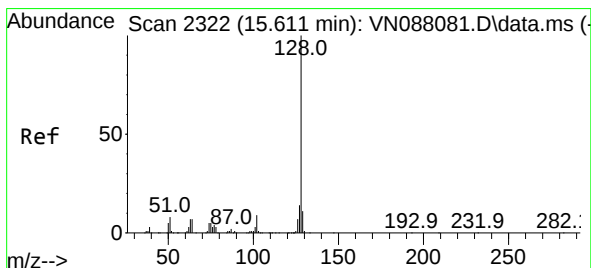
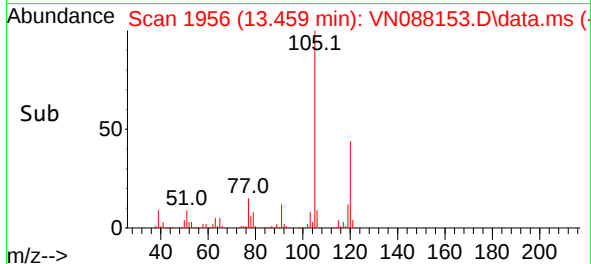
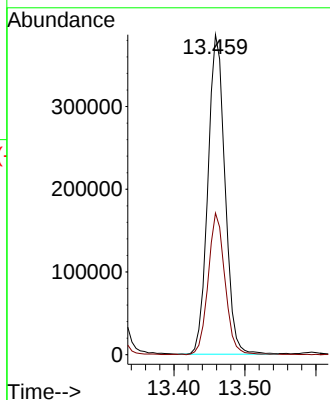
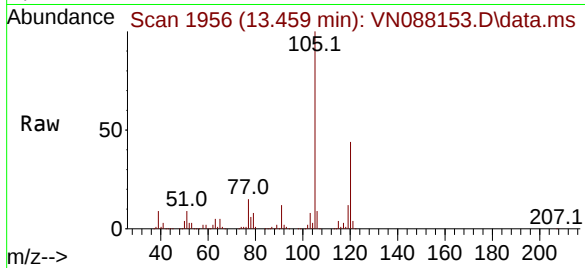




#84
1,2,4-Trimethylbenzene
Concen: 44.488 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088153.D
Acq: 29 Oct 2025 12:42

Instrument :
MSVOA_N
ClientSampleId :
MW-12DL

Tgt Ion:105 Resp: 645205
Ion Ratio Lower Upper
105 100
120 43.8 22.0 66.0



#95
Naphthalene
Concen: 18.617 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN088153.D
Acq: 29 Oct 2025 12:42

Tgt Ion:128 Resp: 279733
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 10.6 8.6 12.8

