

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087041.D
 Acq On : 16 Jun 2025 18:45
 Operator : JC\MD
 Sample : Q2268-07DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6-20250605DL

Quant Time: Jun 17 07:28:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

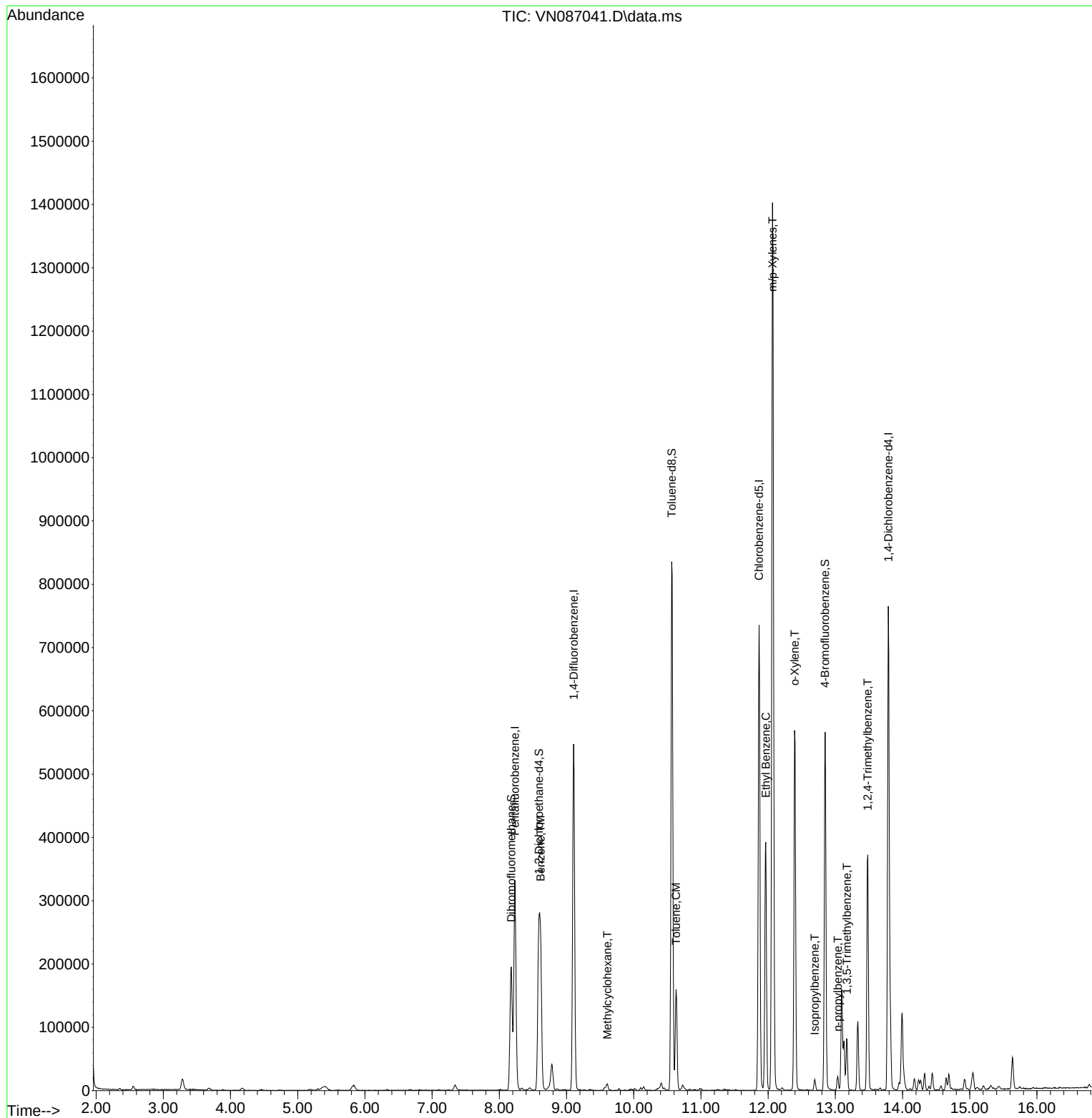
Internal Standards						
1) Pentafluorobenzene	8.230	168	253695	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	507247	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	456316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	217980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	179873	52.955	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.920%	
35) Dibromofluoromethane	8.177	113	151738	50.477	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.960%	
50) Toluene-d8	10.565	98	626271	52.627	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 105.260%	
62) 4-Bromofluorobenzene	12.847	95	223690	50.594	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 101.180%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.606	83	4837	0.788	ug/l	97
40) Benzene	8.612	78	236834	16.169	ug/l	99
52) Toluene	10.630	92	75470	8.431	ug/l	100
67) Ethyl Benzene	11.965	91	303790	17.524	ug/l	100
68) m/p-Xylenes	12.065	106	494528	74.522	ug/l	98
69) o-Xylene	12.394	106	175888	27.675	ug/l	98
73) Isopropylbenzene	12.694	105	12504	0.787	ug/l	99
78) n-propylbenzene	13.035	91	18958	0.982	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	44692	3.409	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	226337	17.216	ug/l	99

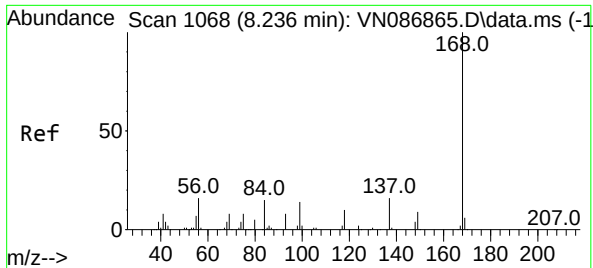
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

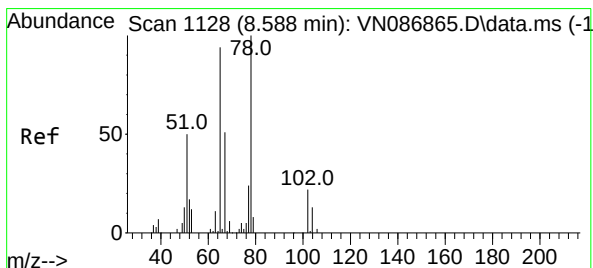
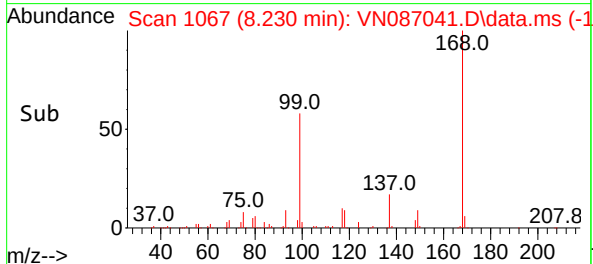
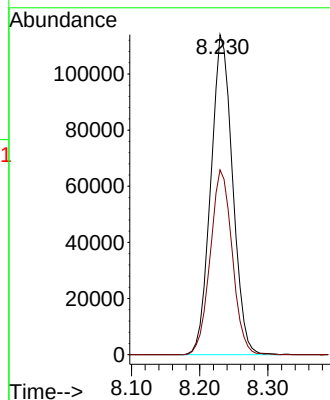
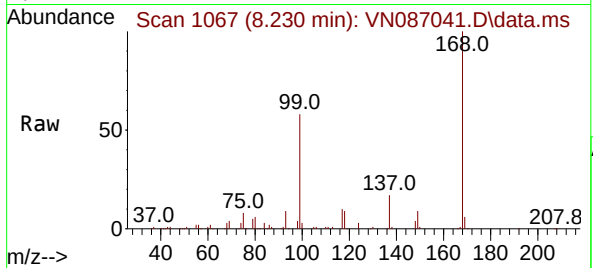




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087041.D
Acq: 16 Jun 2025 18:45

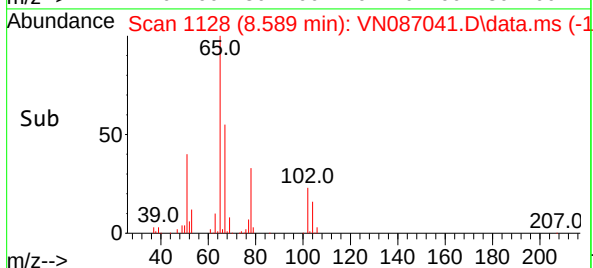
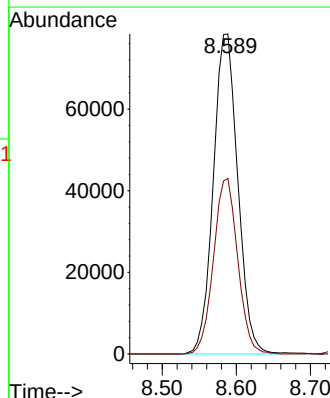
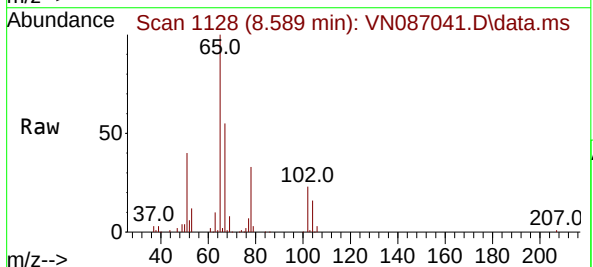
Instrument :
MSVOA_N
ClientSampleId :
MW-6-20250605DL

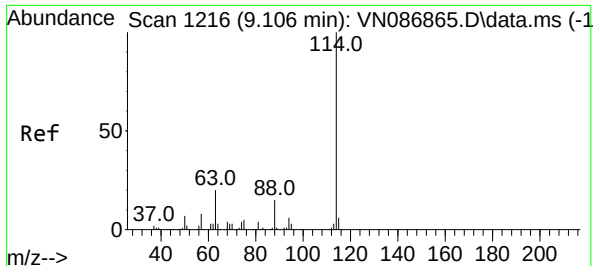
Tgt Ion:168 Resp: 253695
Ion Ratio Lower Upper
168 100
99 57.7 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 52.955 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN087041.D
Acq: 16 Jun 2025 18:45

Tgt Ion: 65 Resp: 179873
Ion Ratio Lower Upper
65 100
67 54.2 0.0 105.6

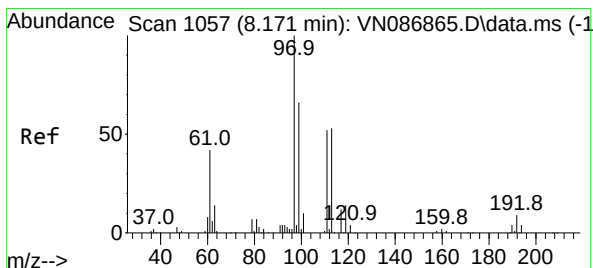
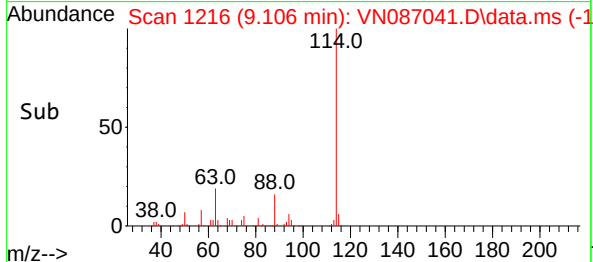
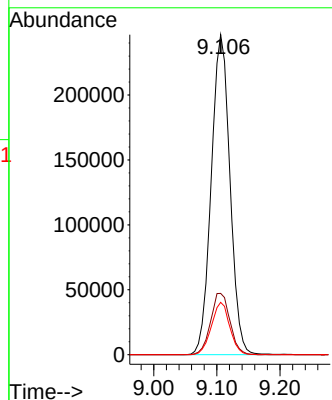
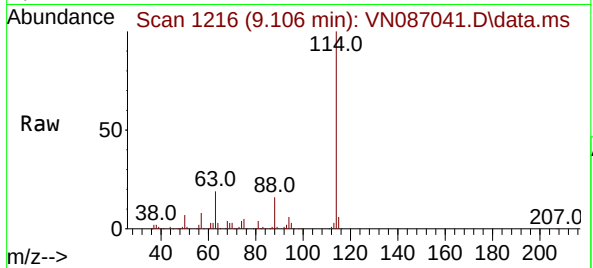




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087041.D
Acq: 16 Jun 2025 18:45

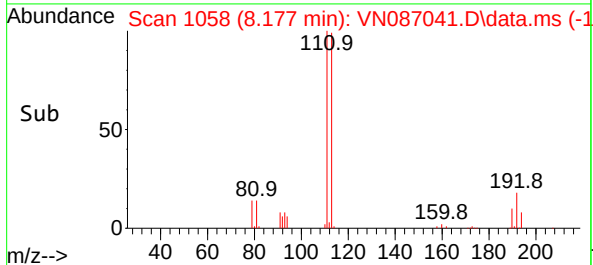
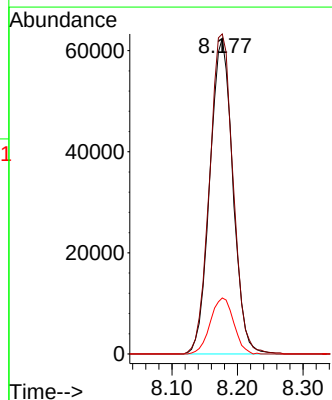
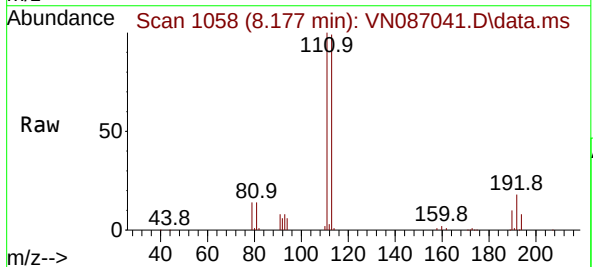
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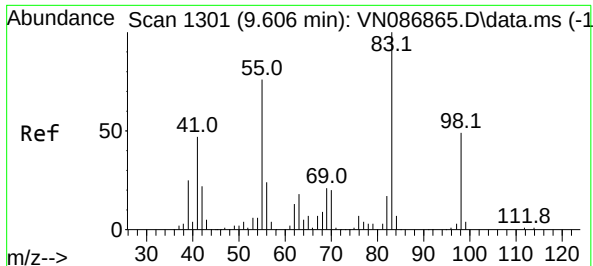
Tgt Ion:114 Resp: 507247
Ion Ratio Lower Upper
114 100
63 19.2 0.0 39.6
88 16.3 0.0 30.2



#35
Dibromofluoromethane
Concen: 50.477 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087041.D
Acq: 16 Jun 2025 18:45

Tgt Ion:113 Resp: 151738
Ion Ratio Lower Upper
113 100
111 103.8 84.2 126.2
192 18.0 14.2 21.4





#39

Methylcyclohexane

Concen: 0.788 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN087041.D

Acq: 16 Jun 2025 18:45

Instrument :

MSVOA_N

ClientSampleId :

MW-6-20250605DL

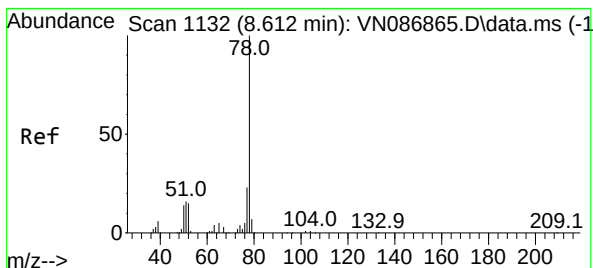
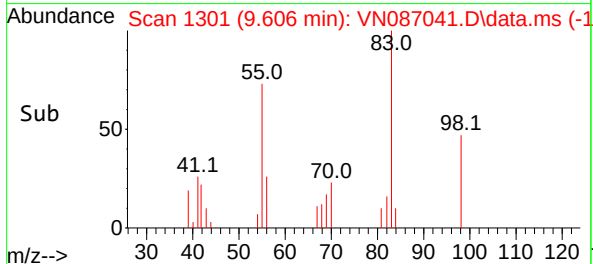
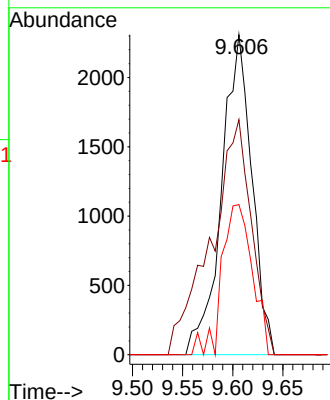
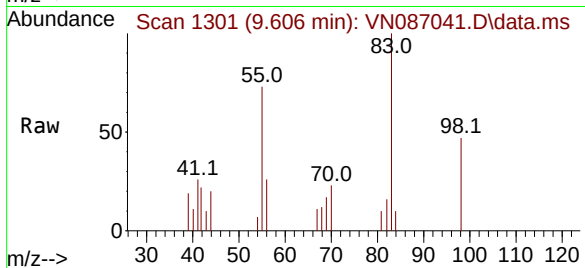
Tgt Ion: 83 Resp: 4837

Ion Ratio Lower Upper

83 100

55 73.5 61.0 91.6

98 46.9 38.9 58.3



#40

Benzene

Concen: 16.169 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN087041.D

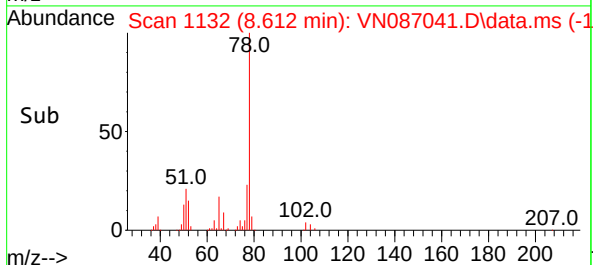
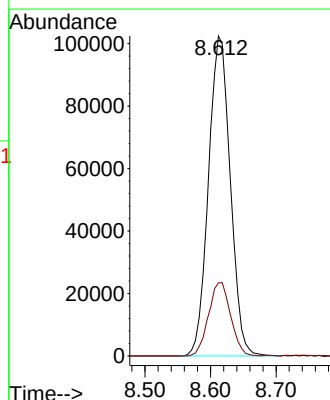
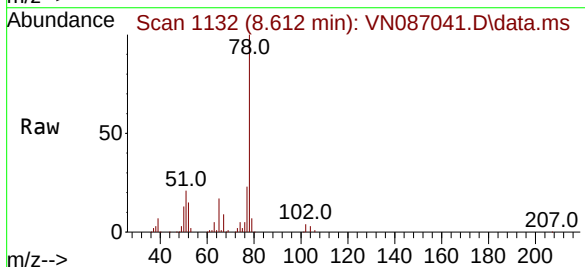
Acq: 16 Jun 2025 18:45

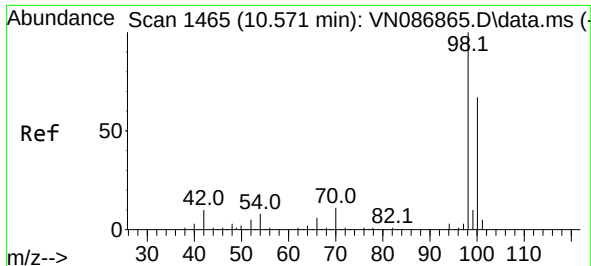
Tgt Ion: 78 Resp: 236834

Ion Ratio Lower Upper

78 100

77 22.9 18.7 28.1

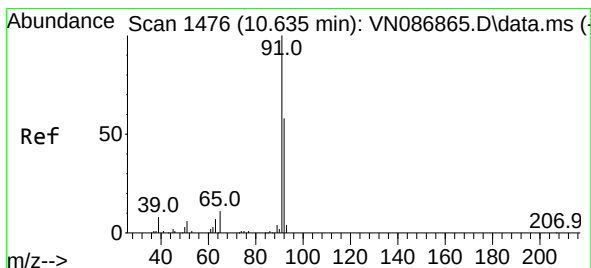
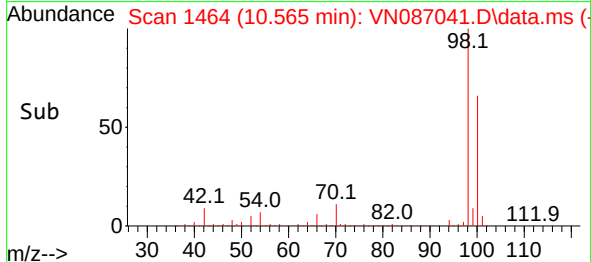
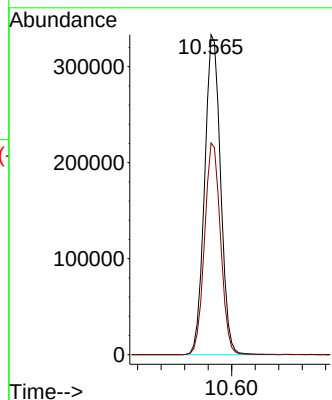
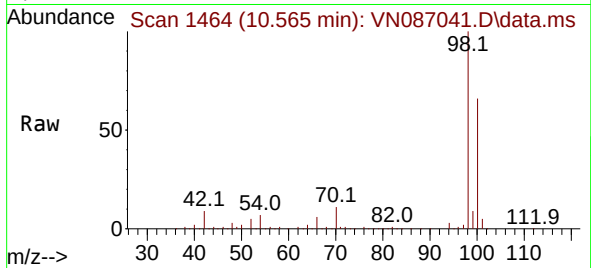




#50
Toluene-d8
Concen: 52.627 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VN087041.D
Acq: 16 Jun 2025 18:45

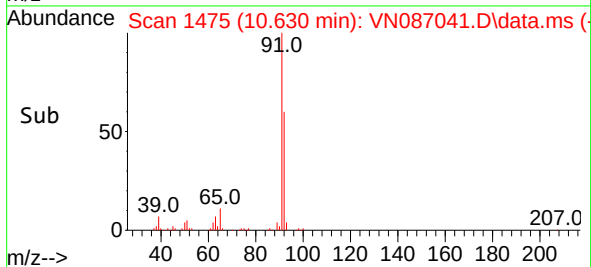
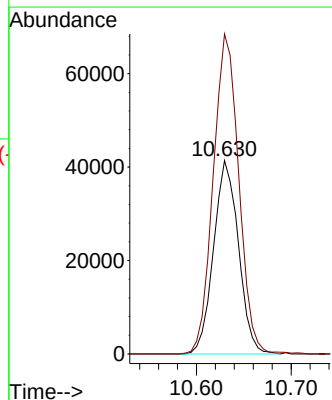
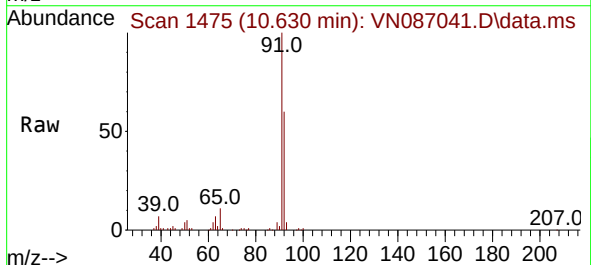
Instrument :
MSVOA_N
ClientSampleId :
MW-6-20250605DL

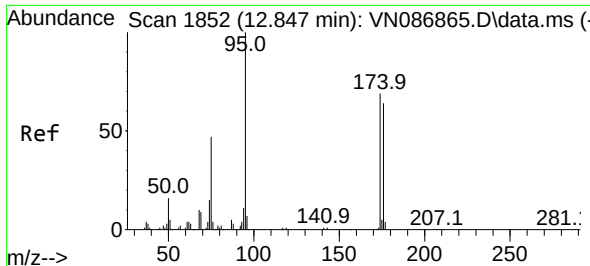
Tgt Ion: 98 Resp: 626271
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0



#52
Toluene
Concen: 8.431 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN087041.D
Acq: 16 Jun 2025 18:45

Tgt Ion: 92 Resp: 75470
Ion Ratio Lower Upper
92 100
91 170.2 136.5 204.7

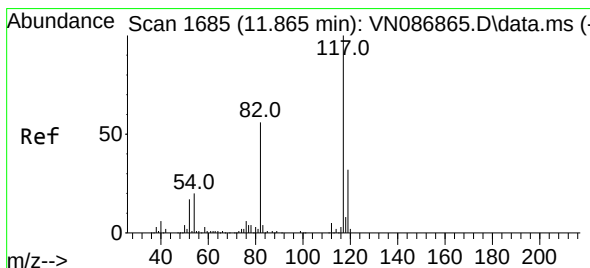
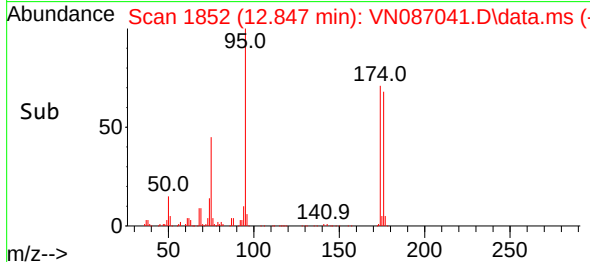
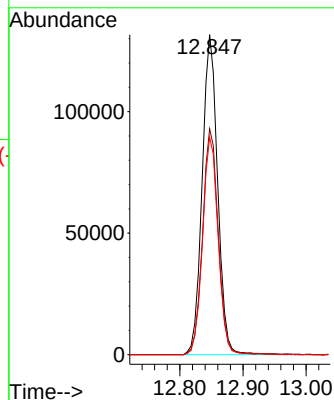
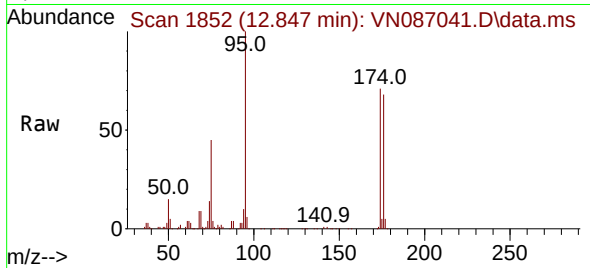




#62
4-Bromofluorobenzene
Concen: 50.594 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087041.D
Acq: 16 Jun 2025 18:45

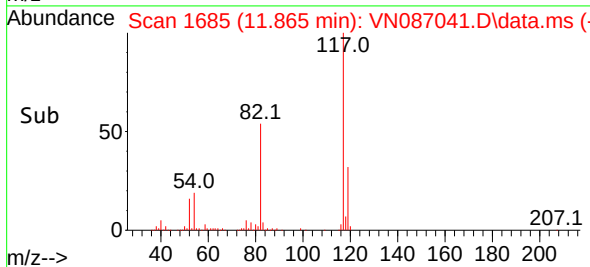
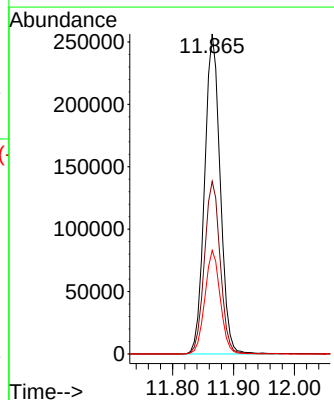
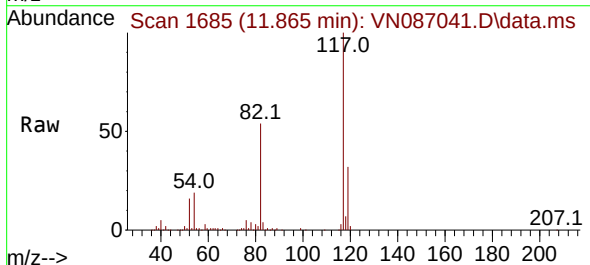
Instrument :
MSVOA_N
ClientSampleId :
MW-6-20250605DL

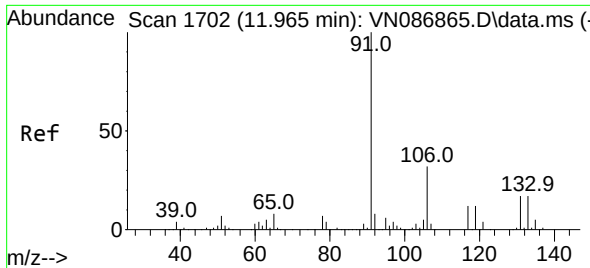
Tgt Ion: 95 Resp: 223690
Ion Ratio Lower Upper
95 100
174 71.2 0.0 141.8
176 68.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN087041.D
Acq: 16 Jun 2025 18:45

Tgt Ion: 117 Resp: 456316
Ion Ratio Lower Upper
117 100
82 53.9 44.6 67.0
119 32.4 25.5 38.3

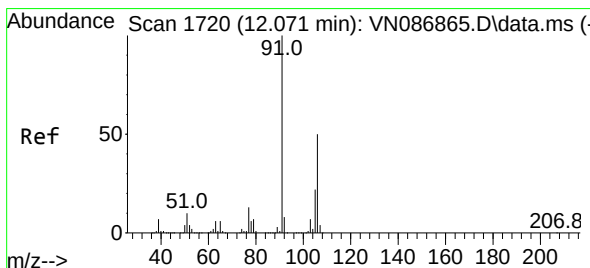
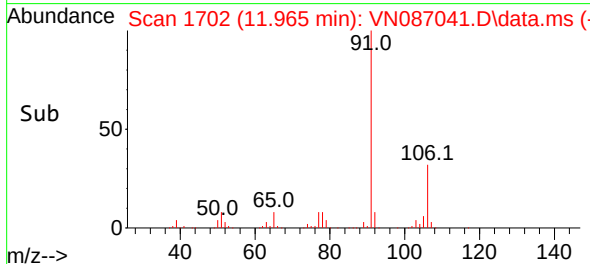
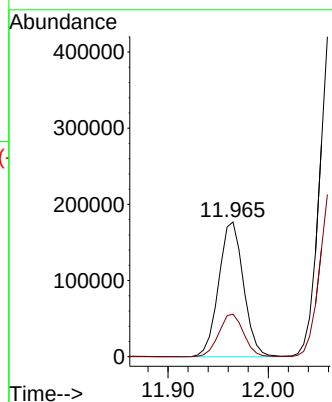
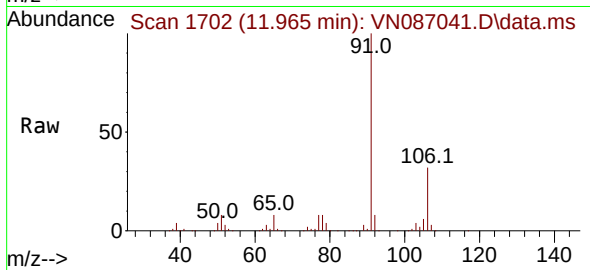




#67
Ethyl Benzene
Concen: 17.524 ug/l
RT: 11.965 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN087041.D
Acq: 16 Jun 2025 18:45

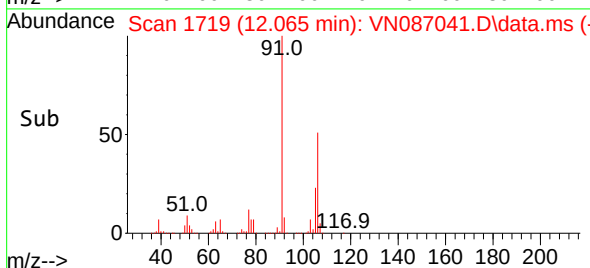
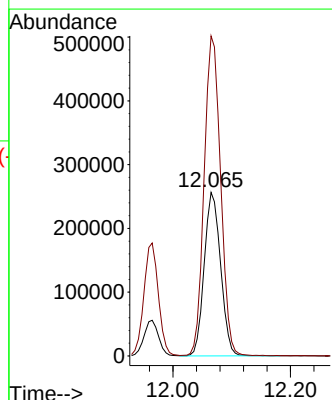
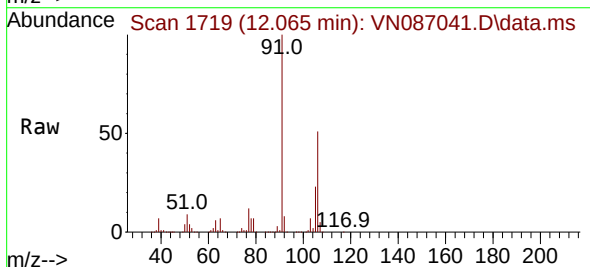
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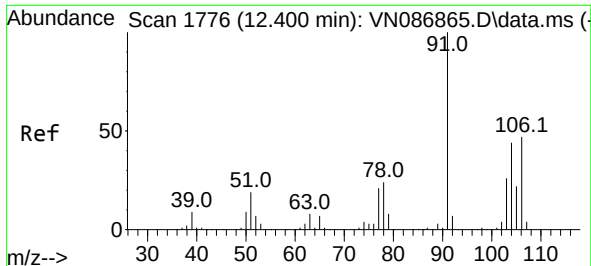
Tgt Ion: 91 Resp: 303790
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.2



#68
m/p-Xylenes
Concen: 74.522 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN087041.D
Acq: 16 Jun 2025 18:45

Tgt Ion:106 Resp: 494528
Ion Ratio Lower Upper
106 100
91 196.9 159.4 239.0

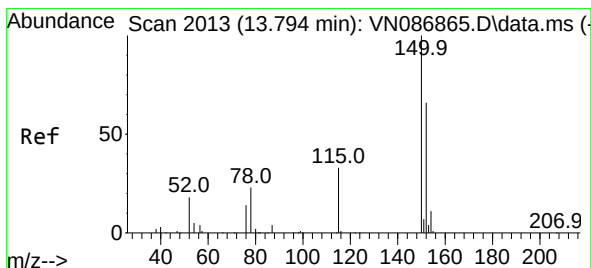
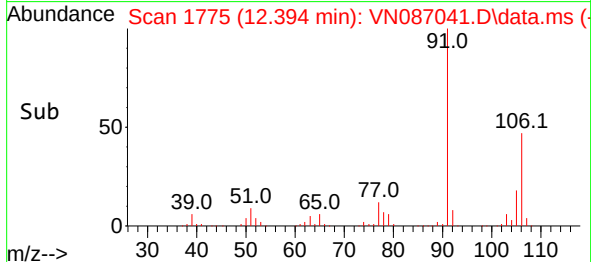
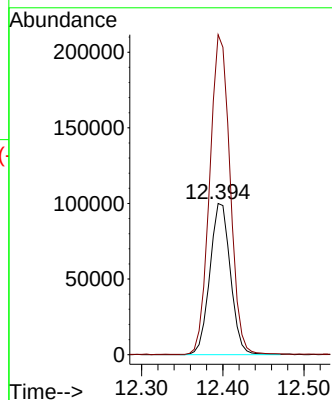
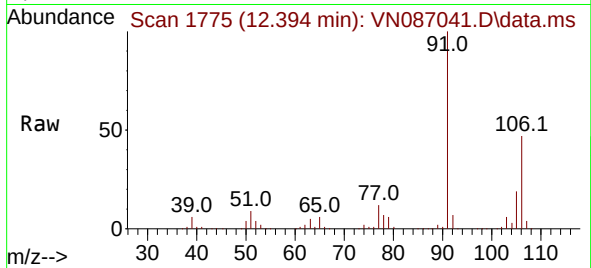




#69
o-Xylene
Concen: 27.675 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087041.D
Acq: 16 Jun 2025 18:45

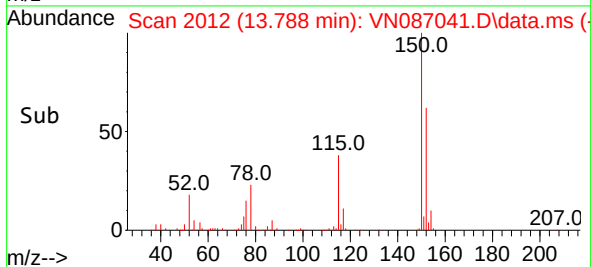
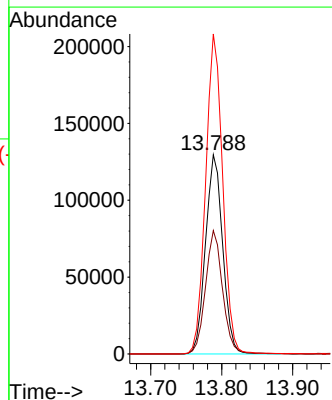
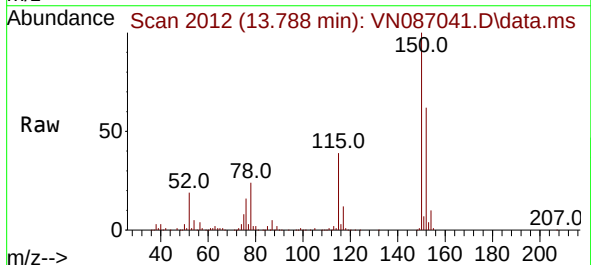
Instrument :
MSVOA_N
ClientSampleId :
MW-6-20250605DL

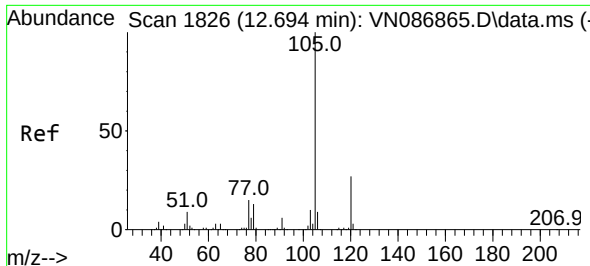
Tgt Ion:106 Resp: 175888
Ion Ratio Lower Upper
106 100
91 209.3 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN087041.D
Acq: 16 Jun 2025 18:45

Tgt Ion:152 Resp: 217980
Ion Ratio Lower Upper
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115 61.9 30.1 90.5
150 159.5 0.0 345.0

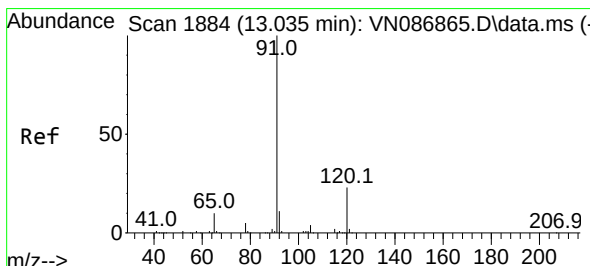
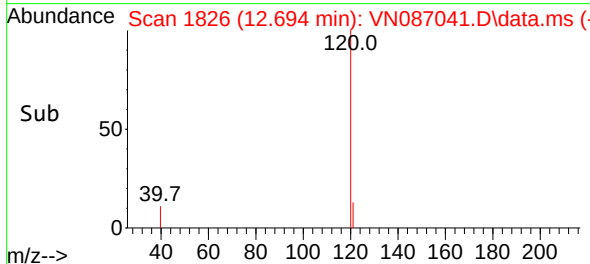
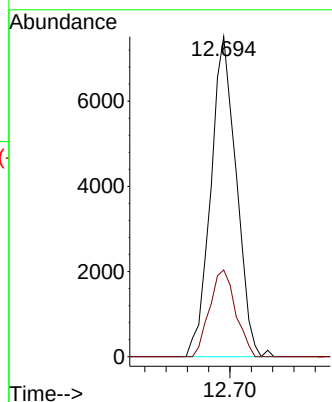
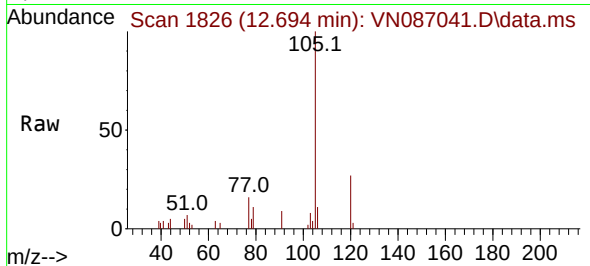




#73
Isopropylbenzene
Concen: 0.787 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN087041.D
Acq: 16 Jun 2025 18:45

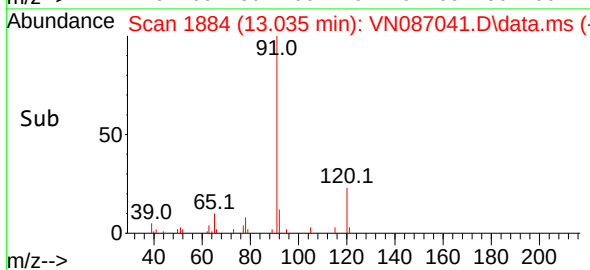
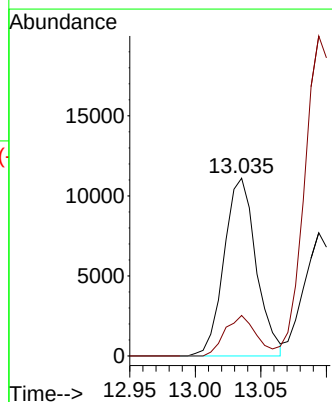
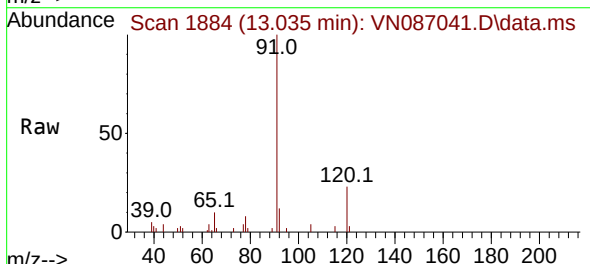
Instrument :
MSVOA_N
ClientSampleId :
MW-6-20250605DL

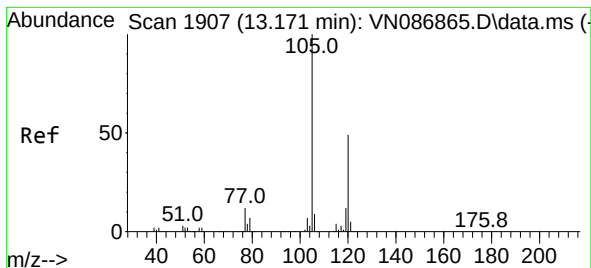
Tgt Ion:105 Resp: 12504
Ion Ratio Lower Upper
105 100
120 27.5 13.5 40.4



#78
n-propylbenzene
Concen: 0.982 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN087041.D
Acq: 16 Jun 2025 18:45

Tgt Ion: 91 Resp: 18958
Ion Ratio Lower Upper
91 100
120 21.9 11.4 34.2





#80

1,3,5-Trimethylbenzene

Concen: 3.409 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN087041.D

Acq: 16 Jun 2025 18:45

Instrument :

MSVOA_N

ClientSampleId :

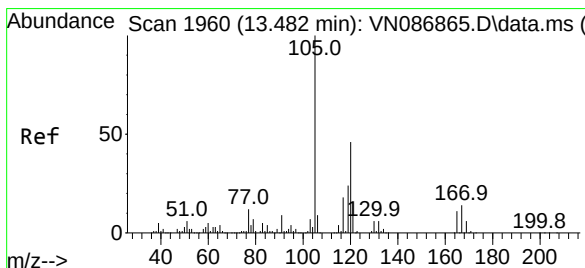
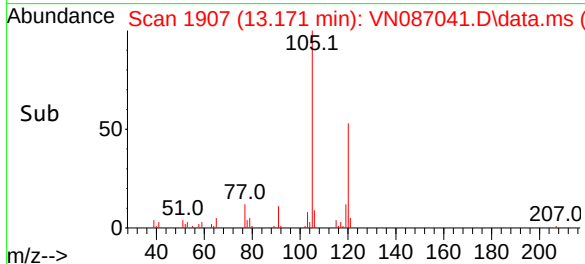
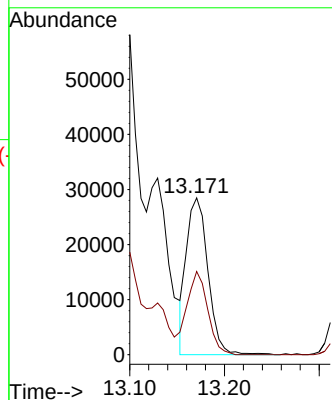
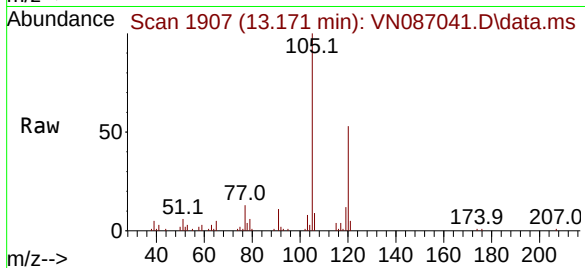
MW-6-20250605DL

Tgt Ion:105 Resp: 44692

Ion Ratio Lower Upper

105 100

120 52.6 24.9 74.6



#84

1,2,4-Trimethylbenzene

Concen: 17.216 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN087041.D

Acq: 16 Jun 2025 18:45

Tgt Ion:105 Resp: 226337

Ion Ratio Lower Upper

105 100

120 46.9 23.2 69.6

