

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061625\
 Data File : VN087042.D
 Acq On : 16 Jun 2025 19:07
 Operator : JC\MD
 Sample : Q2268-08DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3-20250605DL

Quant Time: Jun 17 07:28:47 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)

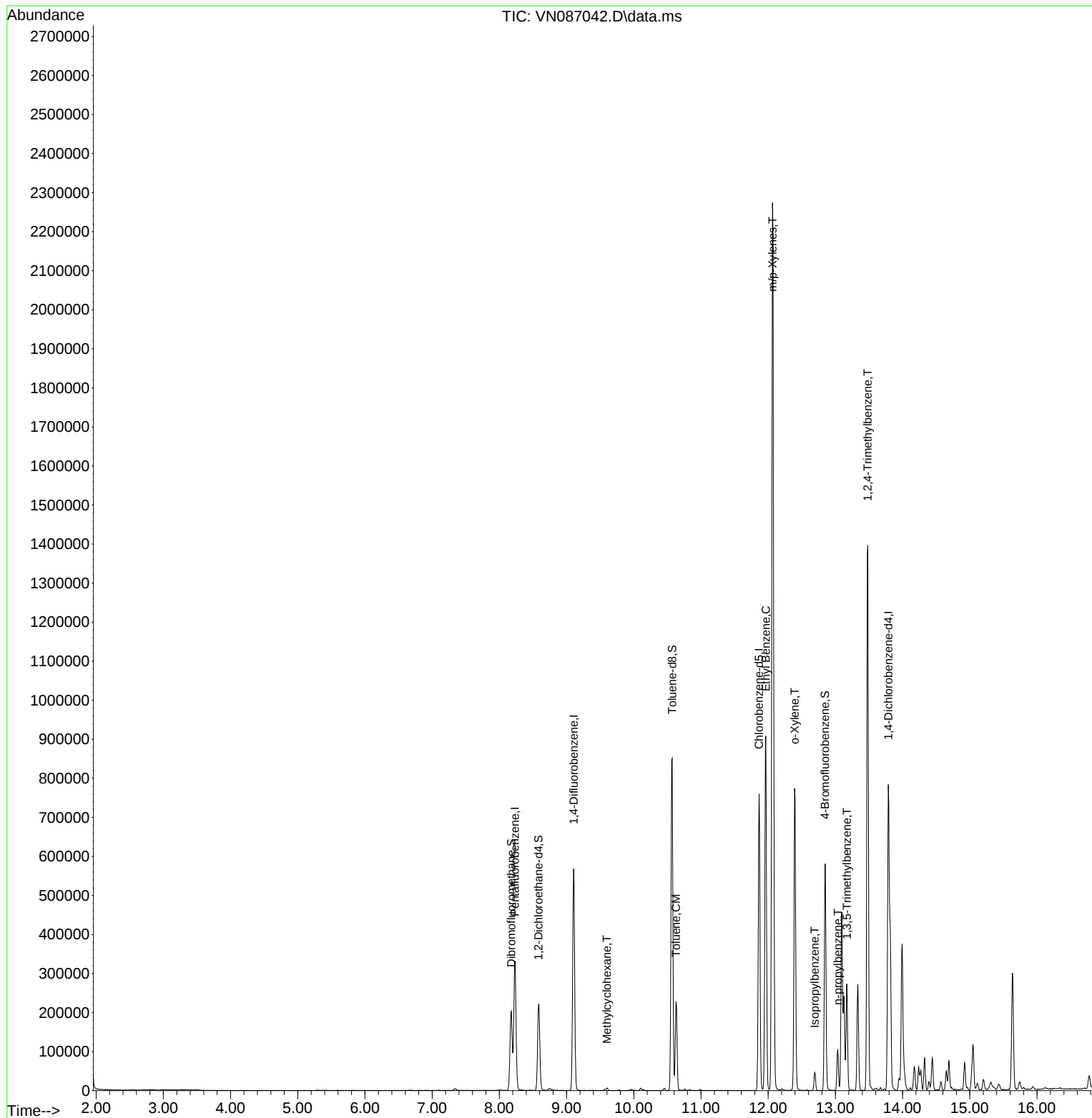
Internal Standards						
1) Pentafluorobenzene	8.230	168	263151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	520533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	469764	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	224894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	183686	52.135	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.260%	
35) Dibromofluoromethane	8.177	113	158071	51.242	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.480%	
50) Toluene-d8	10.571	98	640406	52.441	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.880%	
62) 4-Bromofluorobenzene	12.847	95	228423	50.346	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.700%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.600	83	2695	0.428	ug/l	90
52) Toluene	10.629	92	107188	11.669	ug/l	99
67) Ethyl Benzene	11.965	91	711759	39.883	ug/l	100
68) m/p-Xylenes	12.065	106	820104	120.046	ug/l	98
69) o-Xylene	12.394	106	237544	36.306	ug/l	97
73) Isopropylbenzene	12.694	105	33551	2.048	ug/l	99
78) n-propylbenzene	13.035	91	87269	4.383	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	158097	11.688	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	839398	61.884	ug/l	98

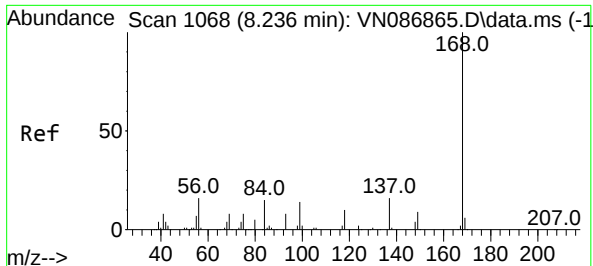
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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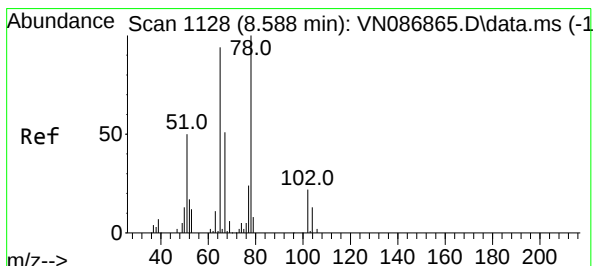
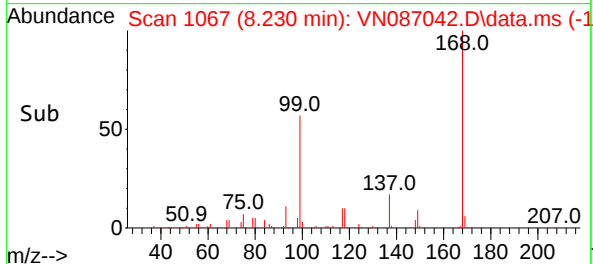
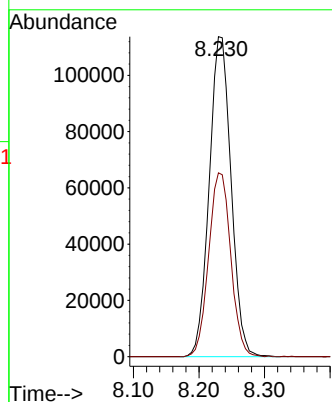
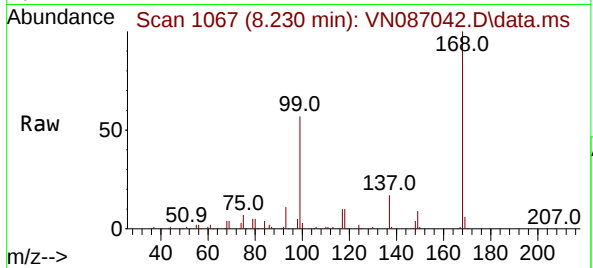




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087042.D
Acq: 16 Jun 2025 19:07

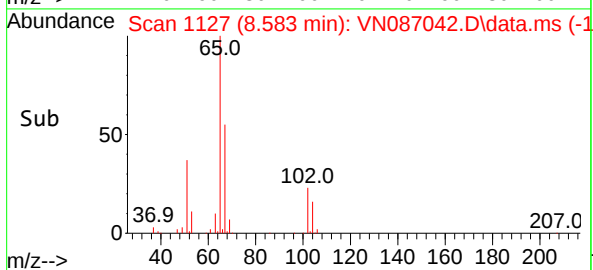
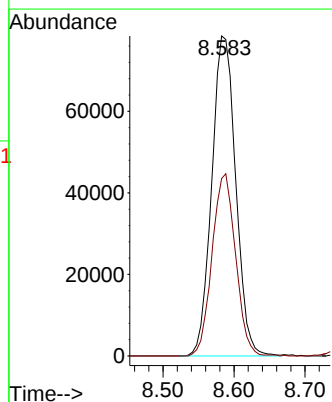
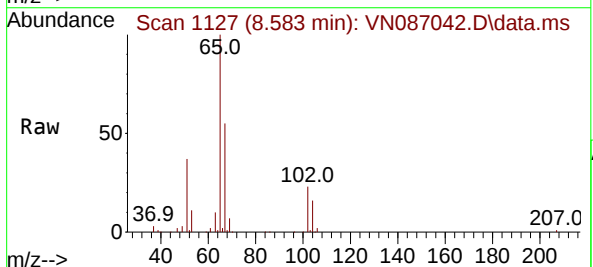
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605DL

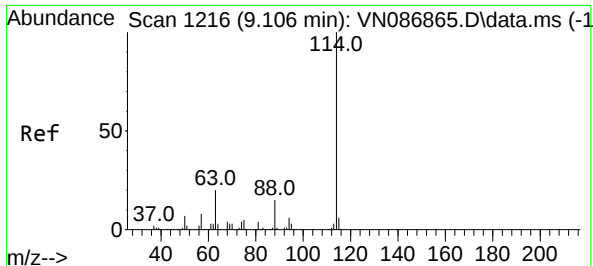
Tgt Ion:168 Resp: 263151
Ion Ratio Lower Upper
168 100
99 57.5 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 52.135 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087042.D
Acq: 16 Jun 2025 19:07

Tgt Ion: 65 Resp: 183686
Ion Ratio Lower Upper
65 100
67 55.9 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087042.D

Acq: 16 Jun 2025 19:07

Instrument :

MSVOA_N

ClientSampleId :

MW-3-20250605DL

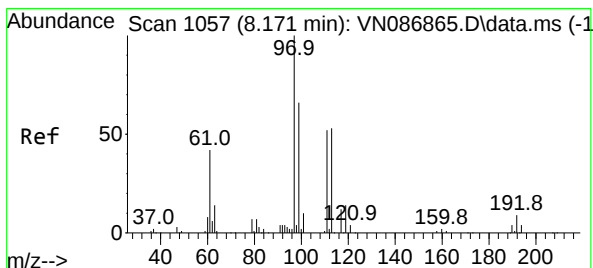
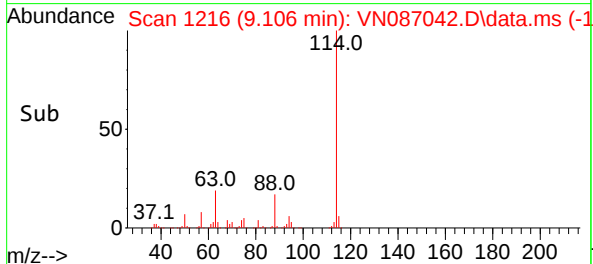
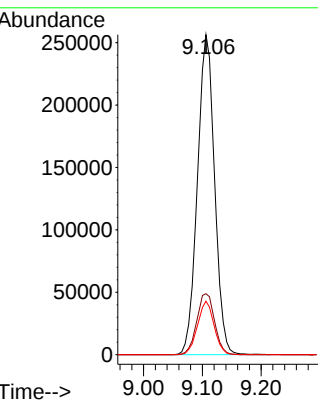
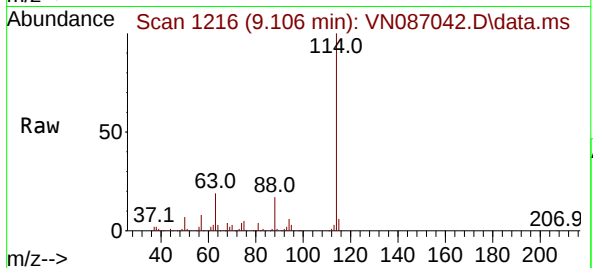
Tgt Ion:114 Resp: 520533

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 16.7 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.242 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087042.D

Acq: 16 Jun 2025 19:07

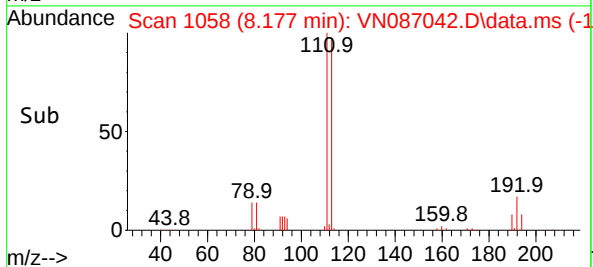
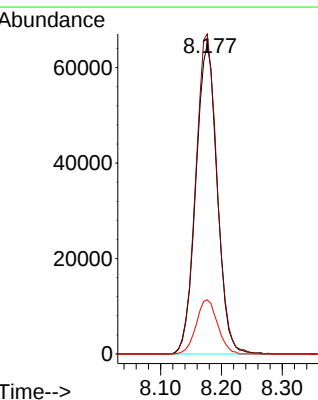
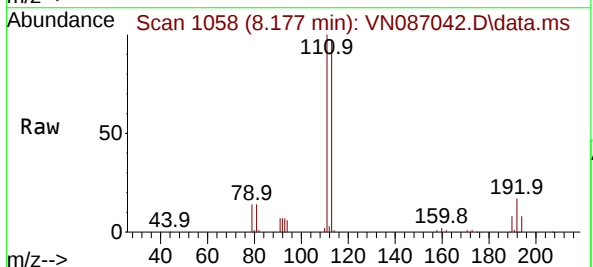
Tgt Ion:113 Resp: 158071

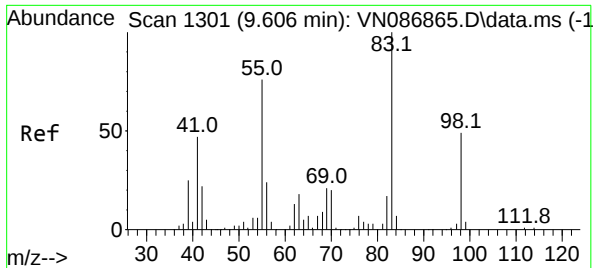
Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.2

192 17.6 14.2 21.4





#39

Methylcyclohexane

Concen: 0.428 ug/l

RT: 9.600 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN087042.D

Acq: 16 Jun 2025 19:07

Instrument :

MSVOA_N

ClientSampleId :

MW-3-20250605DL

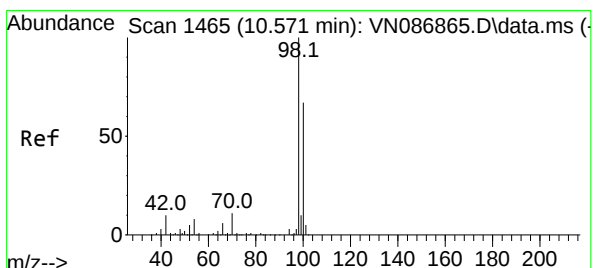
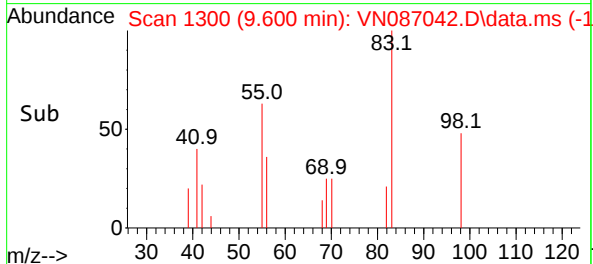
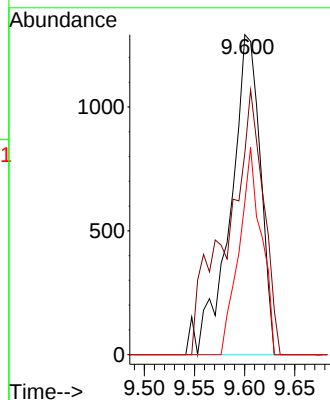
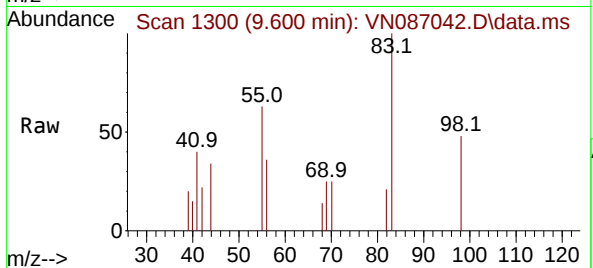
Tgt Ion: 83 Resp: 2695

Ion Ratio Lower Upper

83 100

55 63.0 61.0 91.6

98 47.8 38.9 58.3



#50

Toluene-d8

Concen: 52.441 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN087042.D

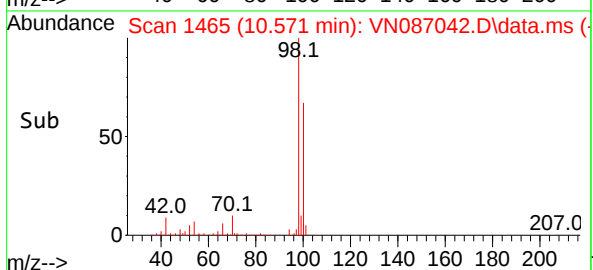
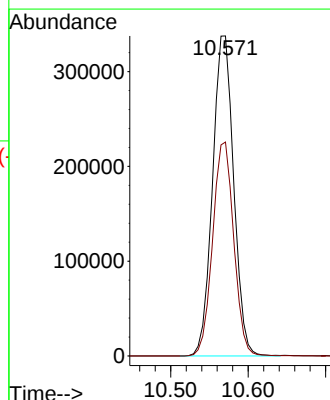
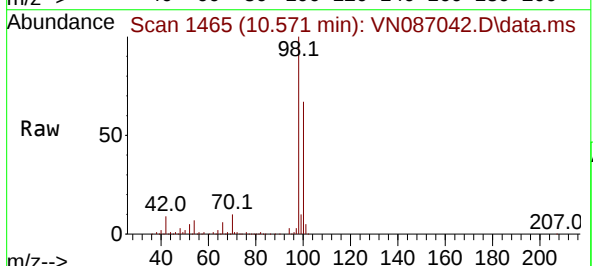
Acq: 16 Jun 2025 19:07

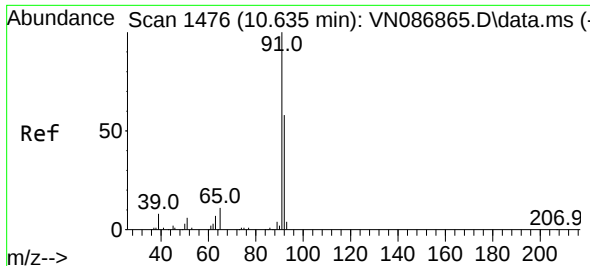
Tgt Ion: 98 Resp: 640406

Ion Ratio Lower Upper

98 100

100 66.7 53.4 80.0

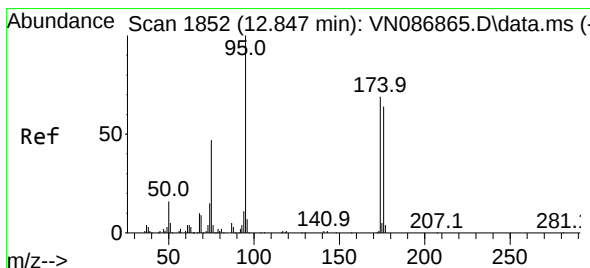
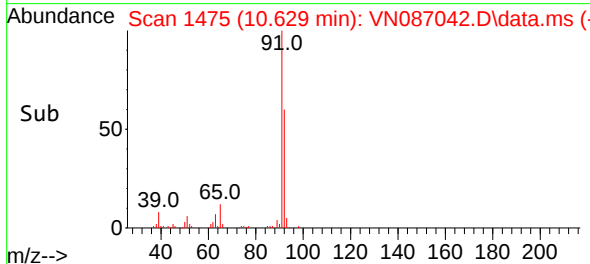
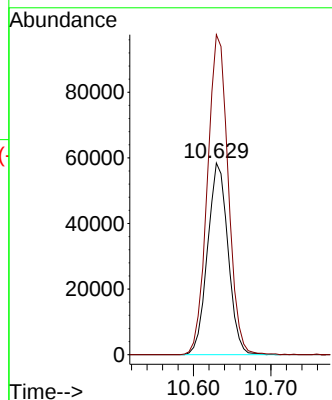
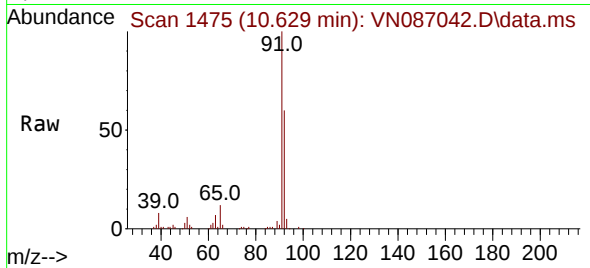




#52
Toluene
Concen: 11.669 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN087042.D
Acq: 16 Jun 2025 19:07

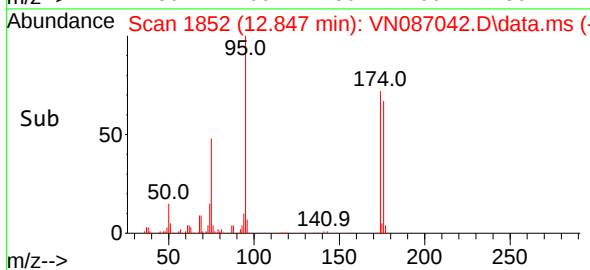
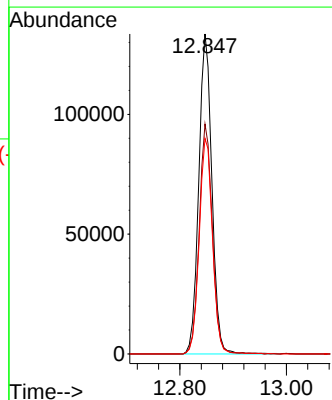
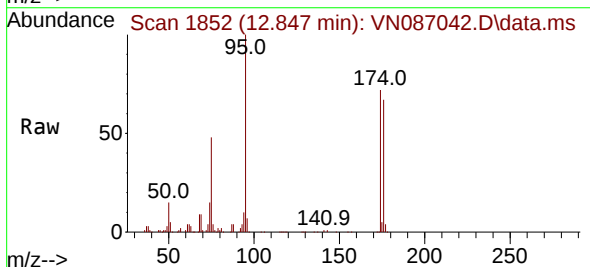
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ClientSampleId :
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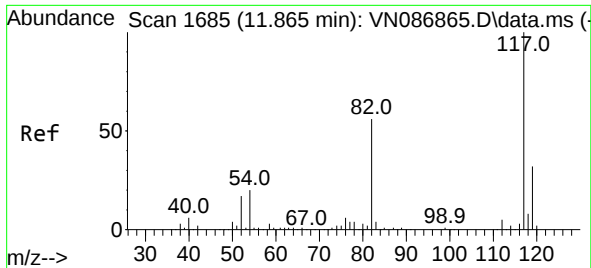
Tgt Ion: 92 Resp: 107188
Ion Ratio Lower Upper
92 100
91 169.6 136.5 204.7



#62
4-Bromofluorobenzene
Concen: 50.346 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087042.D
Acq: 16 Jun 2025 19:07

Tgt Ion: 95 Resp: 228423
Ion Ratio Lower Upper
95 100
174 71.7 0.0 141.8
176 68.2 0.0 132.6

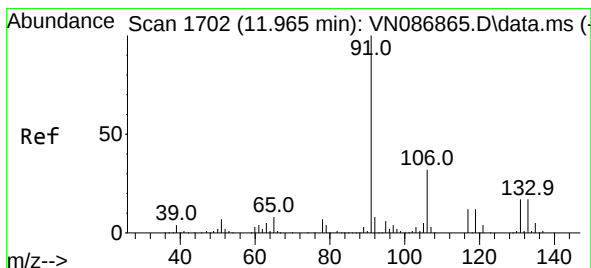
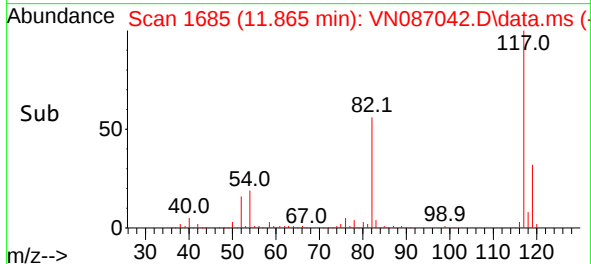
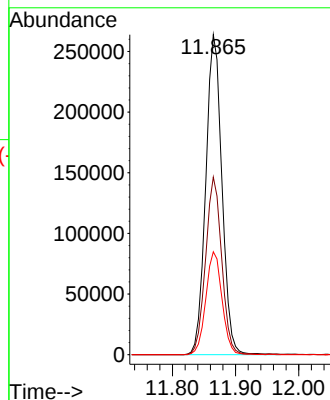
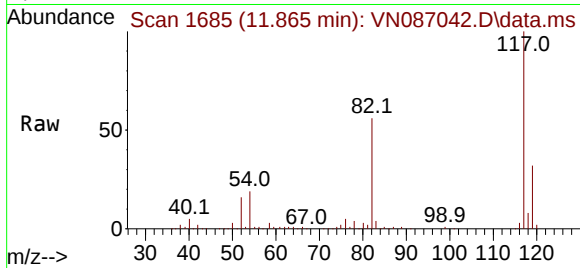




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087042.D
Acq: 16 Jun 2025 19:07

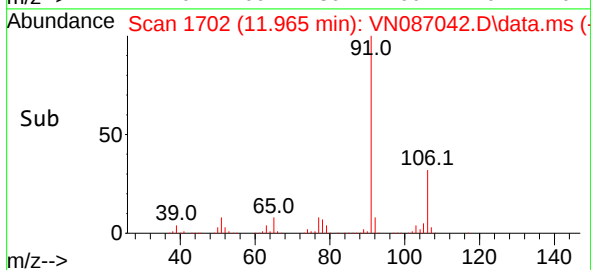
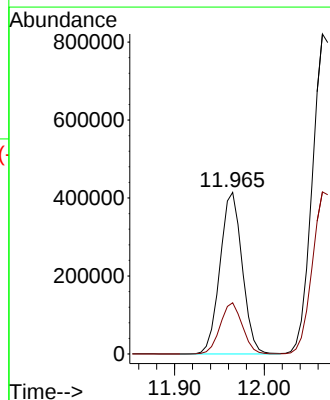
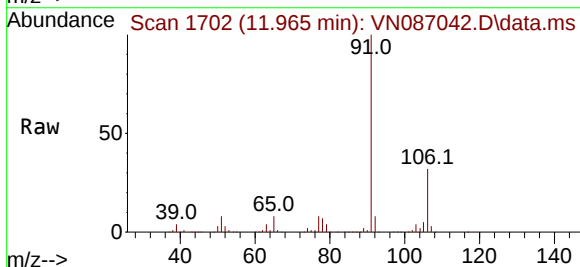
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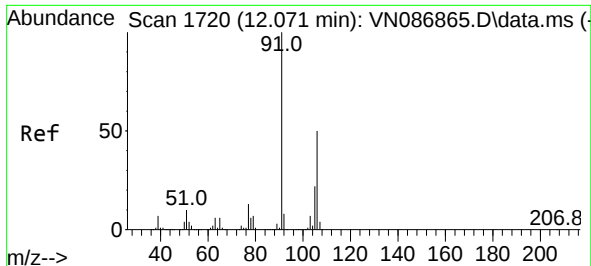
Tgt Ion:117 Resp: 469764
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 32.1 25.5 38.3



#67
Ethyl Benzene
Concen: 39.883 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087042.D
Acq: 16 Jun 2025 19:07

Tgt Ion: 91 Resp: 711759
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.2

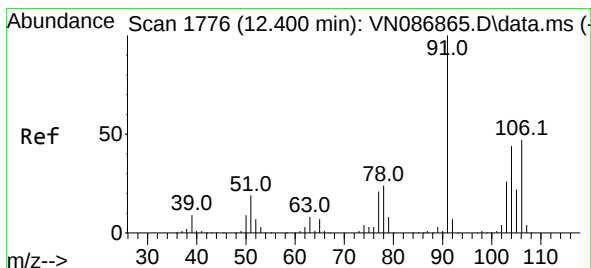
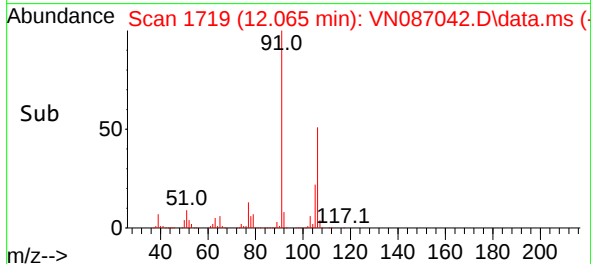
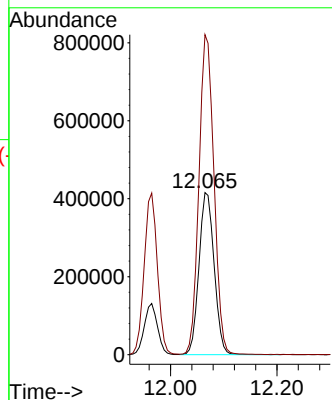
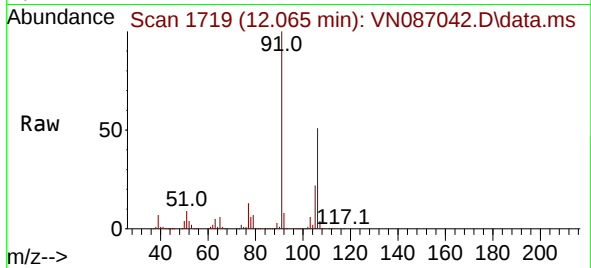




#68
m/p-Xylenes
Concen: 120.046 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN087042.D
Acq: 16 Jun 2025 19:07

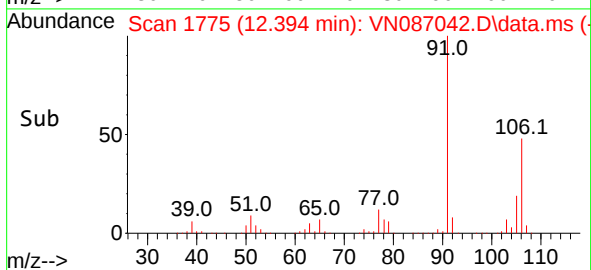
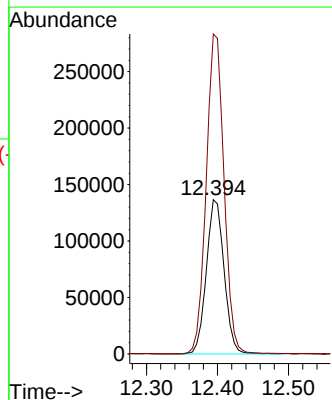
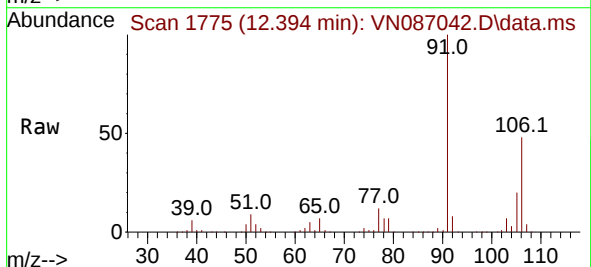
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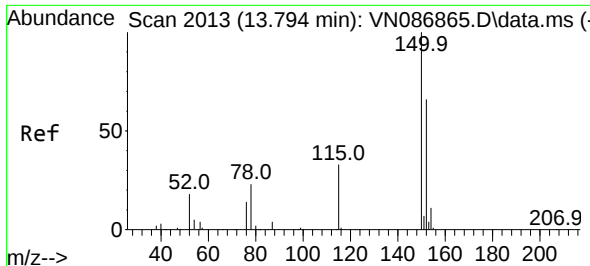
Tgt Ion:106 Resp: 820104
Ion Ratio Lower Upper
106 100
91 195.6 159.4 239.0



#69
o-Xylene
Concen: 36.306 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN087042.D
Acq: 16 Jun 2025 19:07

Tgt Ion:106 Resp: 237544
Ion Ratio Lower Upper
106 100
91 207.9 106.1 318.1

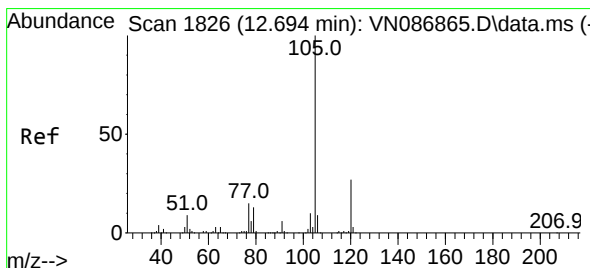
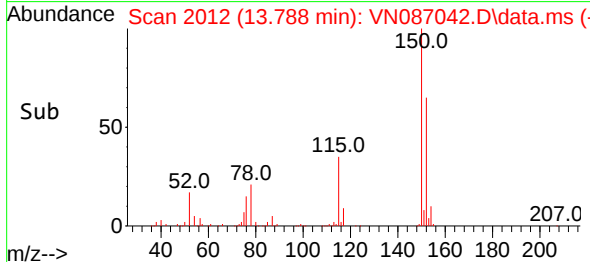
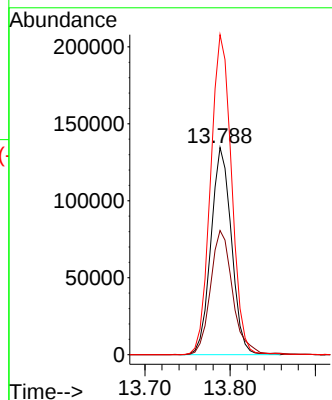
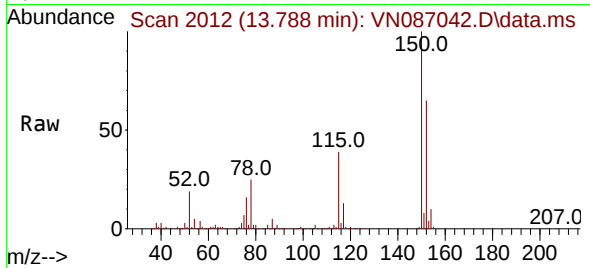




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN087042.D
Acq: 16 Jun 2025 19:07

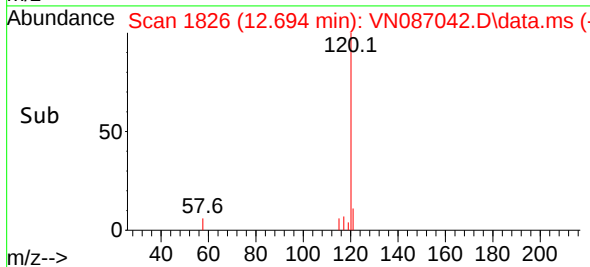
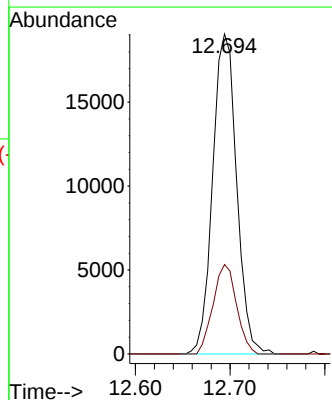
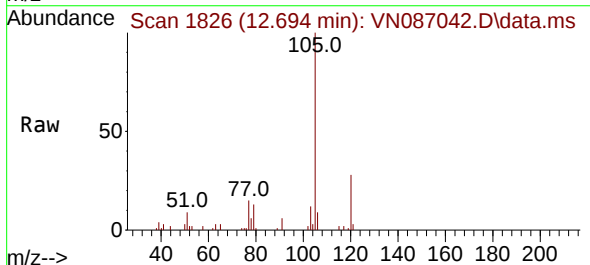
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605DL

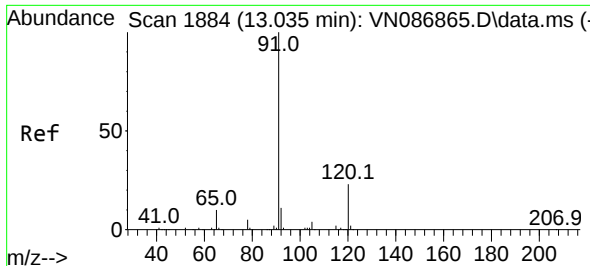
Tgt Ion:152 Resp: 224894
Ion Ratio Lower Upper
152 100
115 65.3 30.1 90.5
150 158.5 0.0 345.0



#73
Isopropylbenzene
Concen: 2.048 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN087042.D
Acq: 16 Jun 2025 19:07

Tgt Ion:105 Resp: 33551
Ion Ratio Lower Upper
105 100
120 27.3 13.5 40.4

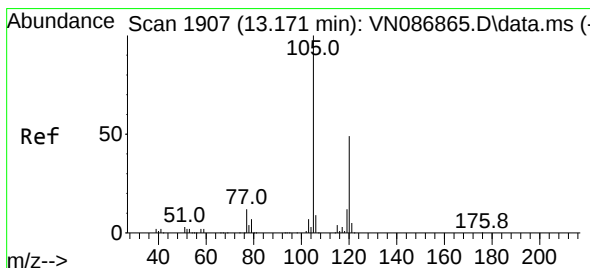
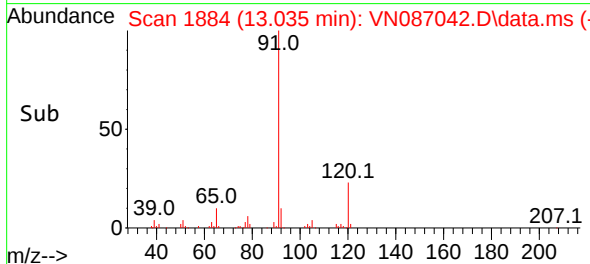
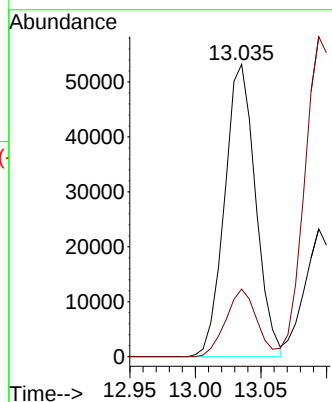
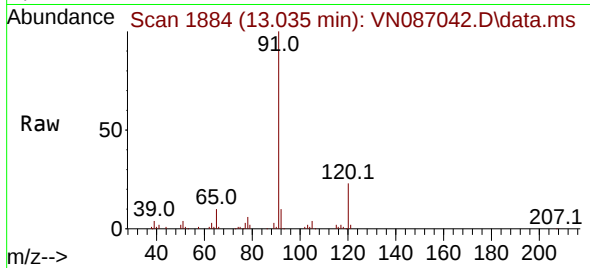




#78
n-propylbenzene
Concen: 4.383 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087042.D
Acq: 16 Jun 2025 19:07

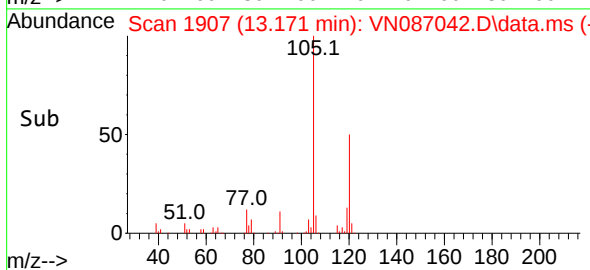
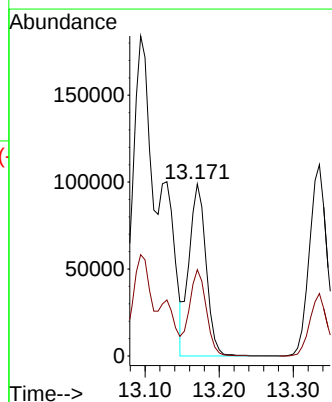
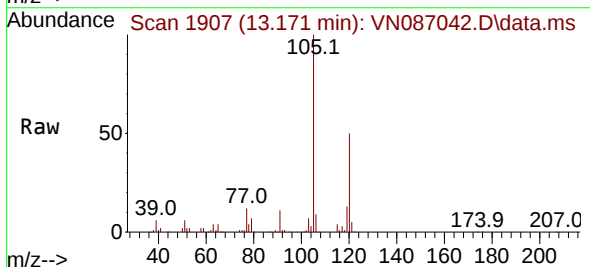
Instrument :
MSVOA_N
ClientSampleId :
MW-3-20250605DL

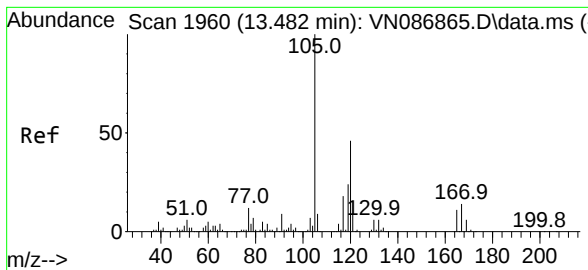
Tgt Ion: 91 Resp: 87269
Ion Ratio Lower Upper
91 100
120 22.9 11.4 34.2



#80
1,3,5-Trimethylbenzene
Concen: 11.688 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087042.D
Acq: 16 Jun 2025 19:07

Tgt Ion: 105 Resp: 158097
Ion Ratio Lower Upper
105 100
120 50.0 24.9 74.6





#84
 1,2,4-Trimethylbenzene
 Concen: 61.884 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.000 min
 Lab File: VN087042.D
 Acq: 16 Jun 2025 19:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3-20250605DL

Tgt Ion:105 Resp: 839398
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.2 69.6

