

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087114.D
 Acq On : 19 Jun 2025 16:07
 Operator : JC\MD
 Sample : Q2333-02DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

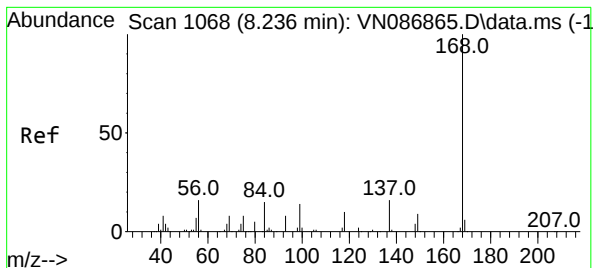
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-08DL

Quant Time: Jun 20 01:27:23 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	8.229	168	183164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	368444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	333195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	162105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	132607	54.073	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.140%	
35) Dibromofluoromethane	8.177	113	113205	51.846	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.700%	
50) Toluene-d8	10.570	98	452751	52.378	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.760%	
62) 4-Bromofluorobenzene	12.847	95	159857	49.777	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.560%	
Target Compounds						
					Qvalue	
31) Cyclohexane	8.271	56	11907	2.994	ug/l #	84
39) Methylcyclohexane	9.600	83	5968	1.339	ug/l	89
40) Benzene	8.612	78	65863	6.190	ug/l	99
52) Toluene	10.629	92	8768	1.349	ug/l	97
67) Ethyl Benzene	11.965	91	400804	31.664	ug/l	99
68) m/p-Xylenes	12.076	106	360555	74.410	ug/l	98
69) o-Xylene	12.394	106	155804	33.573	ug/l	96
73) Isopropylbenzene	12.694	105	26160	2.215	ug/l	100
78) n-propylbenzene	13.035	91	66168	4.610	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	24397	2.502	ug/l	84
84) 1,2,4-Trimethylbenzene	13.482	105	559574	57.233	ug/l	99
95) Naphthalene	15.635	128	244209	20.070	ug/l	99

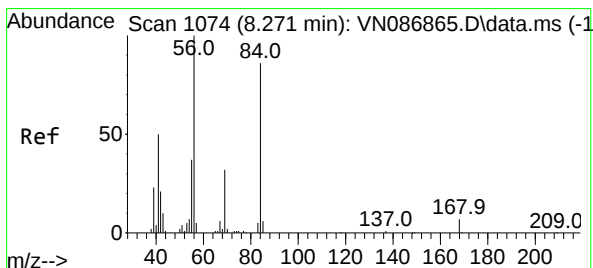
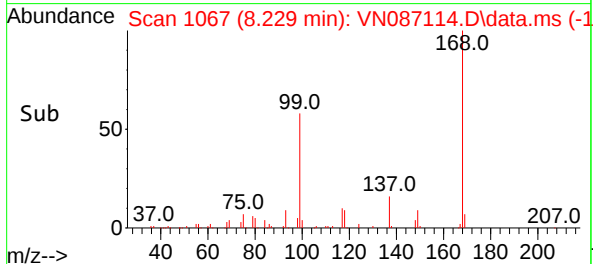
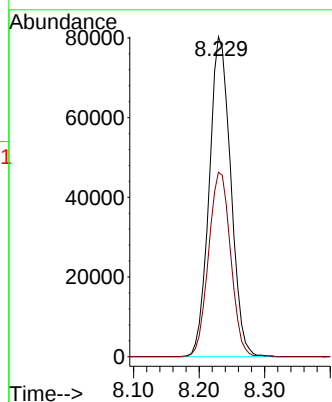
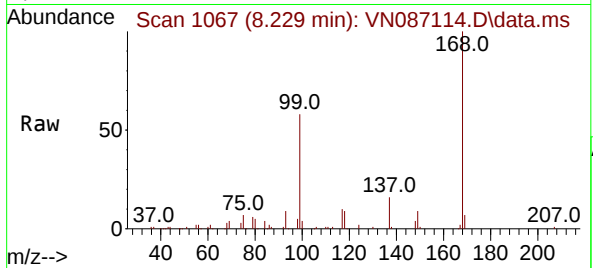
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.007 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

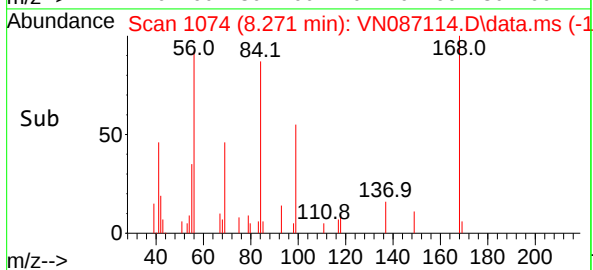
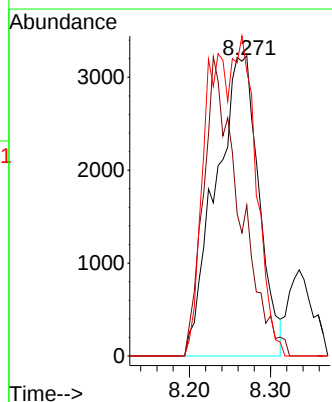
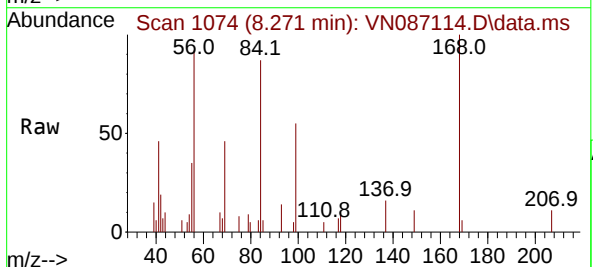
Instrument :
MSVOA_N
ClientSampleId :
MW-08DL

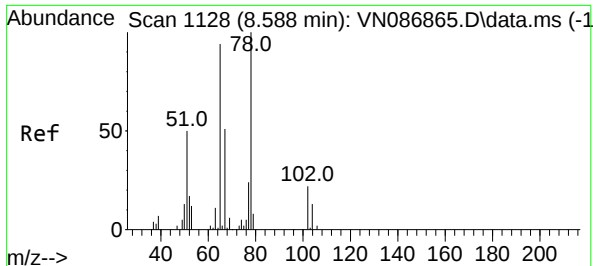
Tgt Ion:168 Resp: 183164
Ion Ratio Lower Upper
168 100
99 57.7 49.1 73.7



#31
Cyclohexane
Concen: 2.994 ug/l
RT: 8.271 min Scan# 1074
Delta R.T. -0.000 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

Tgt Ion: 56 Resp: 11907
Ion Ratio Lower Upper
56 100
69 50.2 25.4 38.0#
84 94.8 68.8 103.2





#33

1,2-Dichloroethane-d4

Concen: 54.073 ug/l

RT: 8.582 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087114.D

Acq: 19 Jun 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

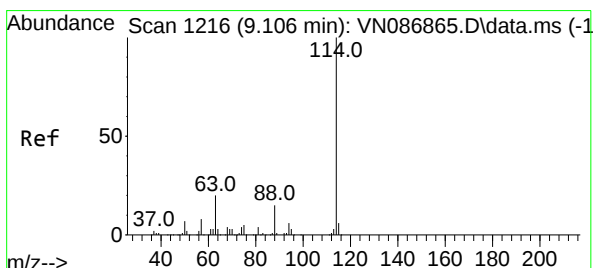
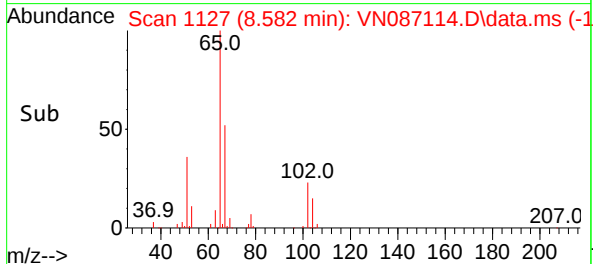
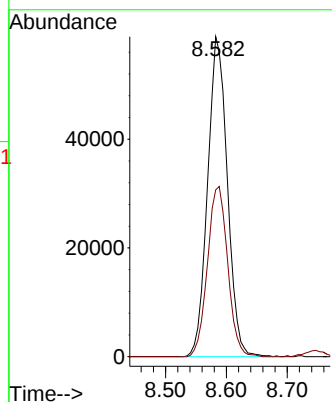
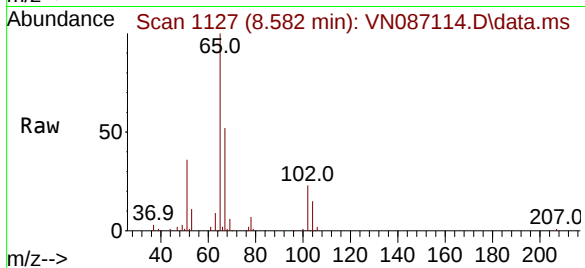
MW-08DL

Tgt Ion: 65 Resp: 132607

Ion Ratio Lower Upper

65 100

67 54.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087114.D

Acq: 19 Jun 2025 16:07

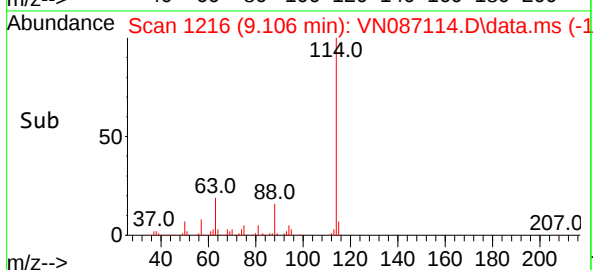
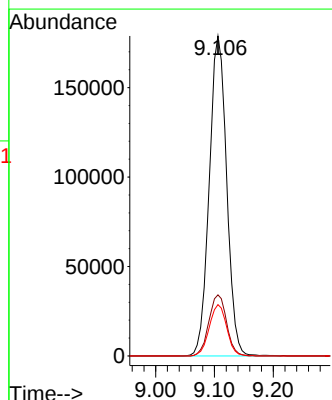
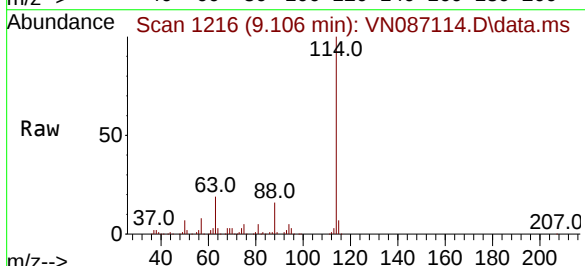
Tgt Ion: 114 Resp: 368444

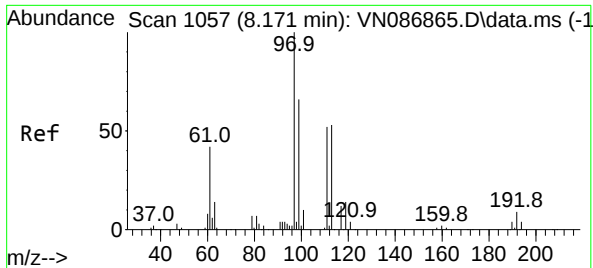
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 16.0 0.0 30.2

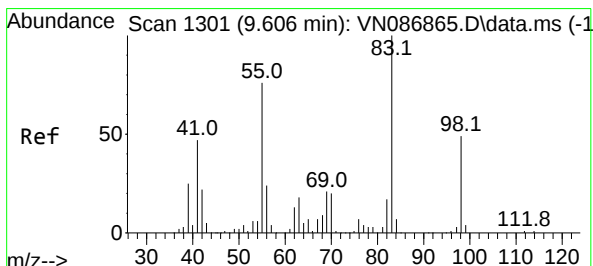
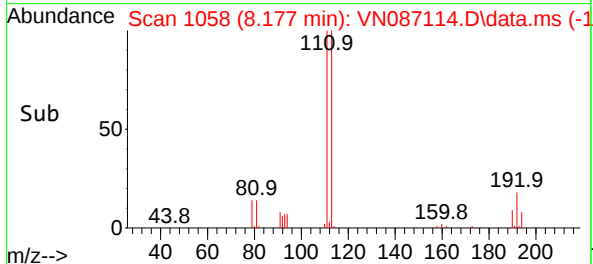
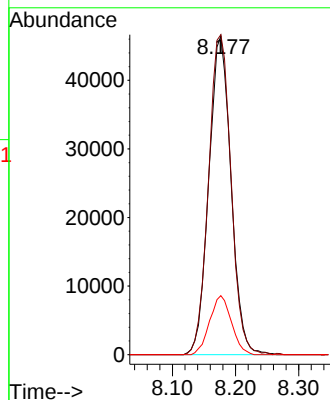
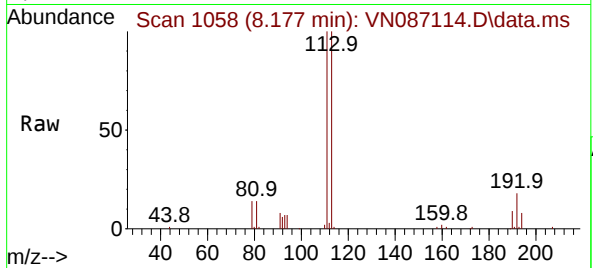




#35
Dibromofluoromethane
Concen: 51.846 ug/l
RT: 8.177 min Scan# 113
Delta R.T. 0.006 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

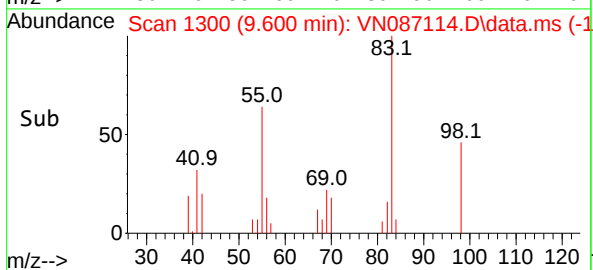
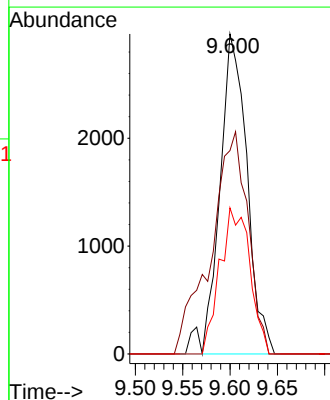
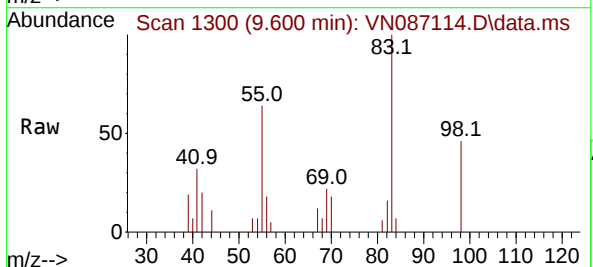
Instrument :
MSVOA_N
ClientSampleId :
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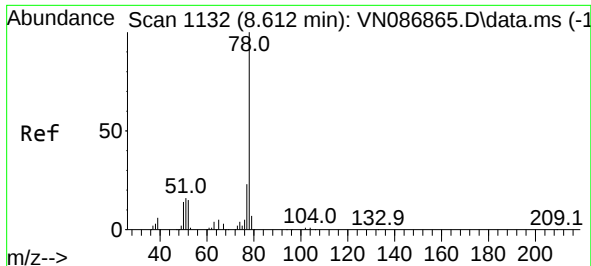
Tgt Ion:113 Resp: 113205
Ion Ratio Lower Upper
113 100
111 101.8 84.2 126.2
192 18.2 14.2 21.4



#39
Methylcyclohexane
Concen: 1.339 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.006 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

Tgt Ion: 83 Resp: 5968
Ion Ratio Lower Upper
83 100
55 63.6 61.0 91.6
98 45.7 38.9 58.3

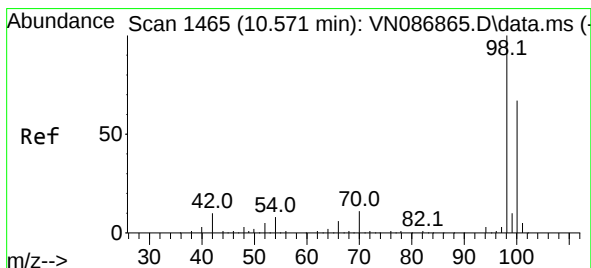
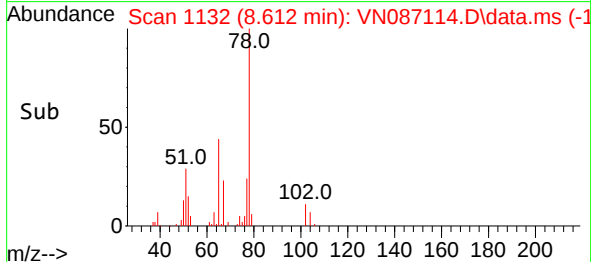
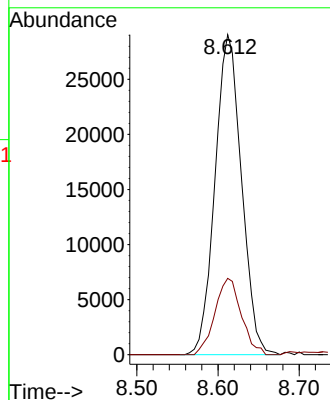
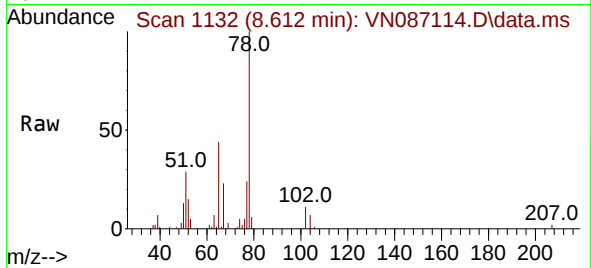




#40
Benzene
Concen: 6.190 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

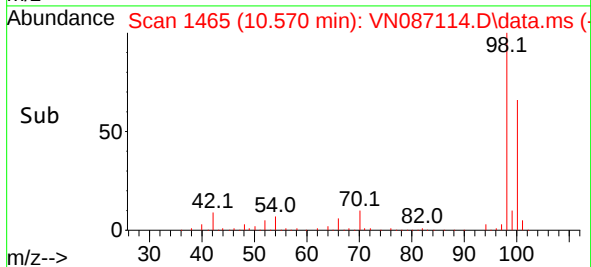
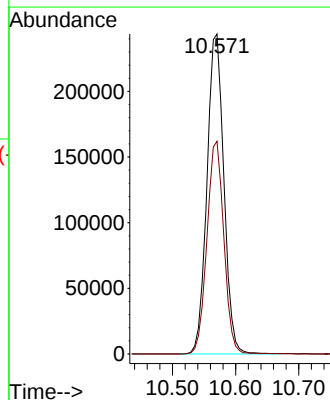
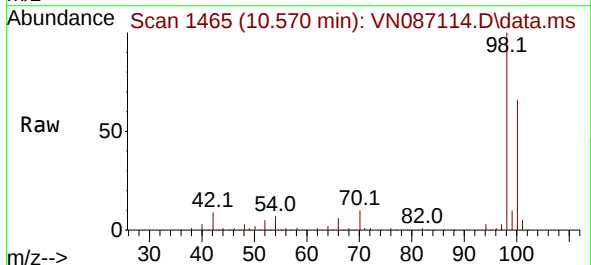
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ClientSampleId :
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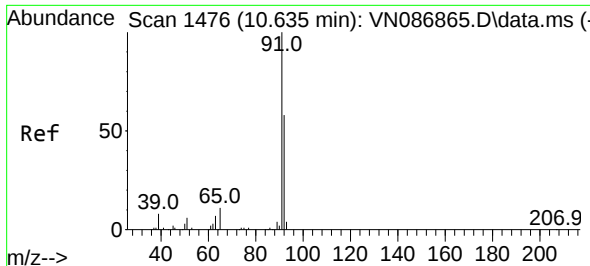
Tgt Ion: 78 Resp: 65863
Ion Ratio Lower Upper
78 100
77 23.8 18.7 28.1



#50
Toluene-d8
Concen: 52.378 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

Tgt Ion: 98 Resp: 452751
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0

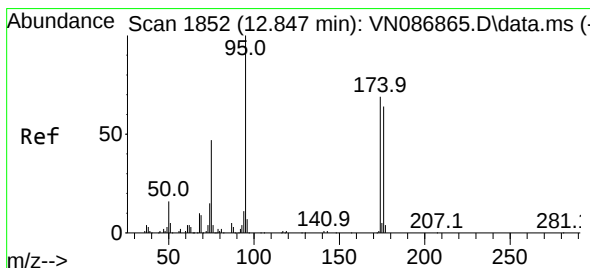
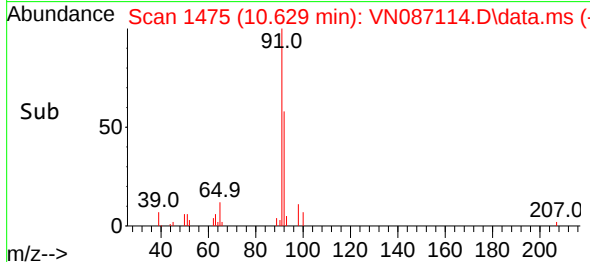
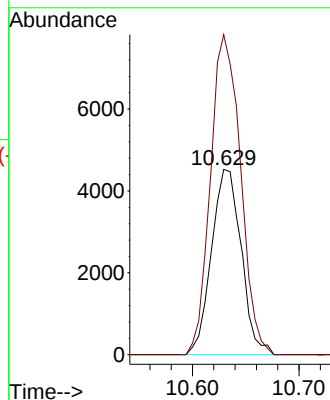
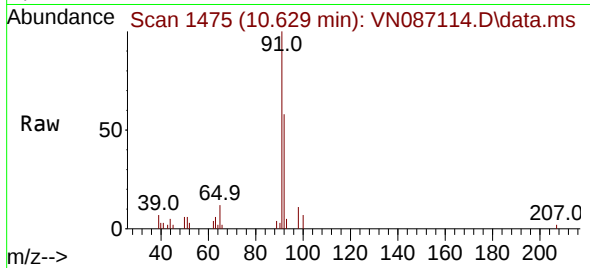




#52
Toluene
Concen: 1.349 ug/l
RT: 10.629 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

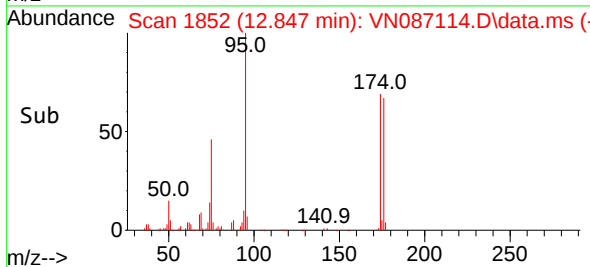
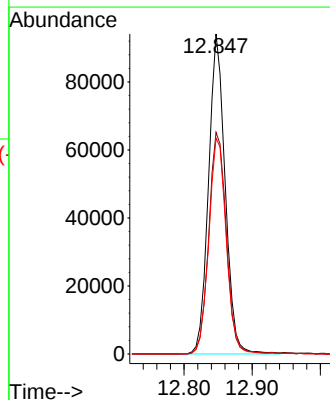
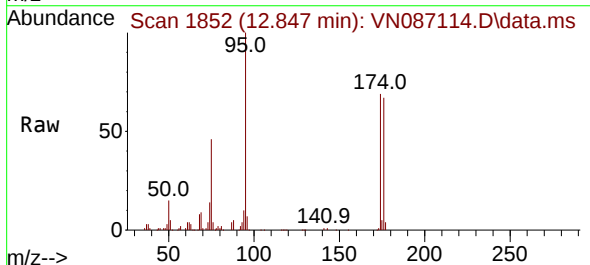
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MW-08DL

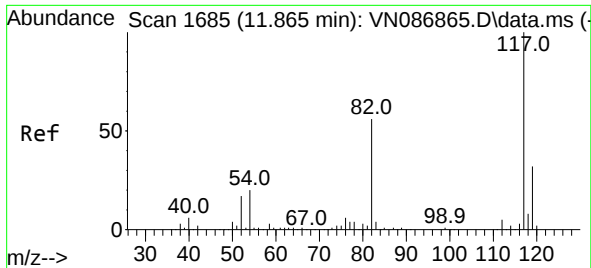
Tgt Ion: 92 Resp: 8768
Ion Ratio Lower Upper
92 100
91 174.9 136.5 204.7



#62
4-Bromofluorobenzene
Concen: 49.777 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

Tgt Ion: 95 Resp: 159857
Ion Ratio Lower Upper
95 100
174 73.0 0.0 141.8
176 70.4 0.0 132.6

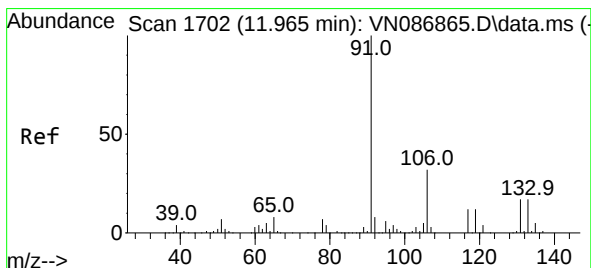
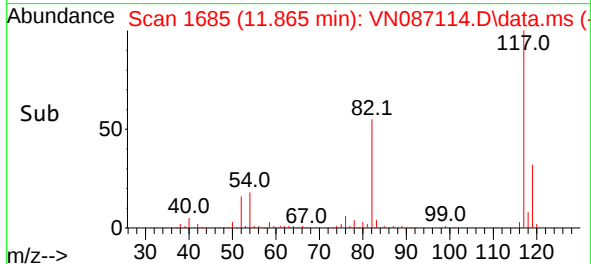
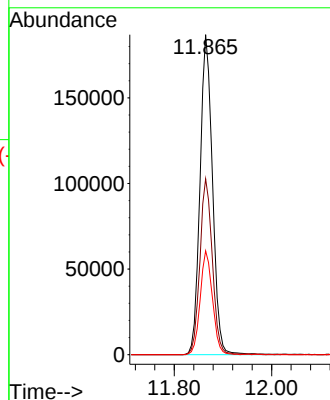
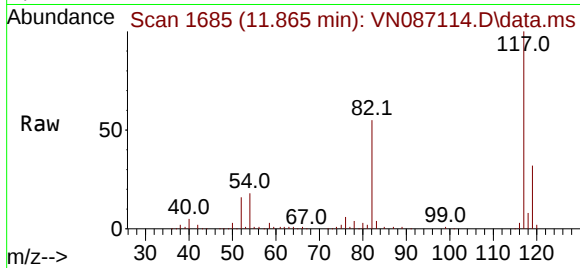




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

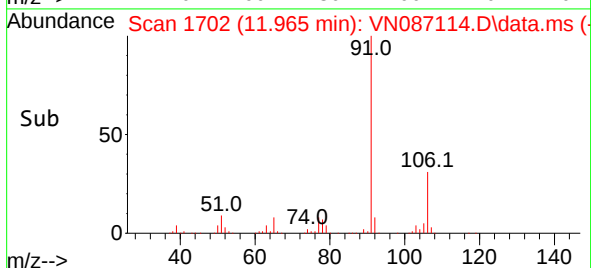
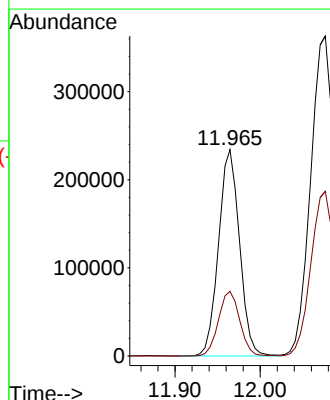
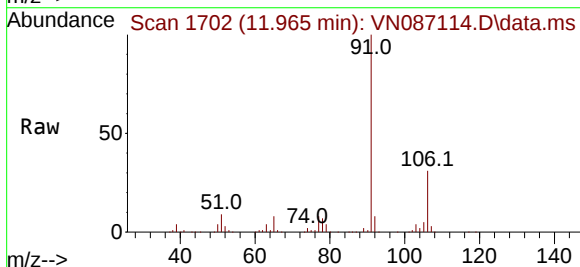
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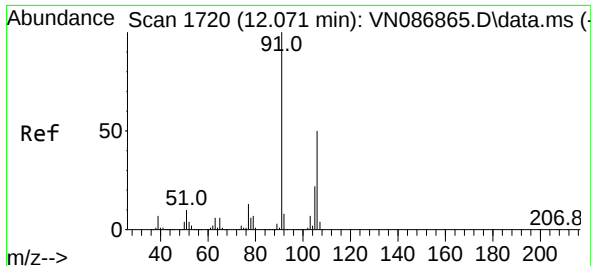
Tgt Ion:117 Resp: 333195
Ion Ratio Lower Upper
117 100
82 55.0 44.6 67.0
119 32.5 25.5 38.3



#67
Ethyl Benzene
Concen: 31.664 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

Tgt Ion: 91 Resp: 400804
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.2

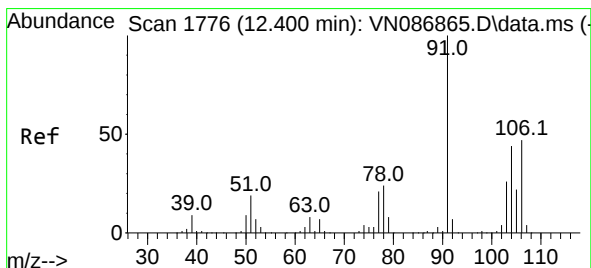
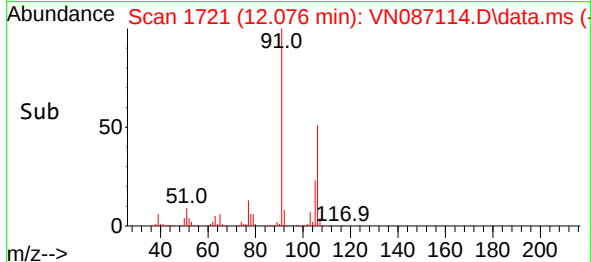
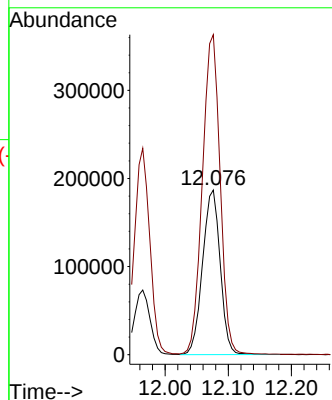
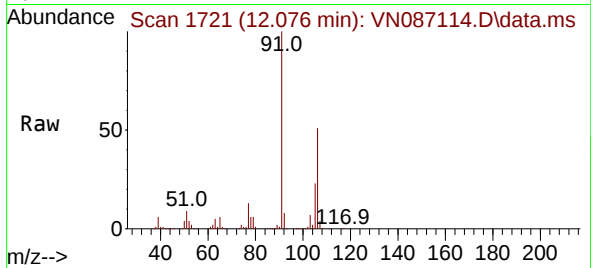




#68
m/p-Xylenes
Concen: 74.410 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

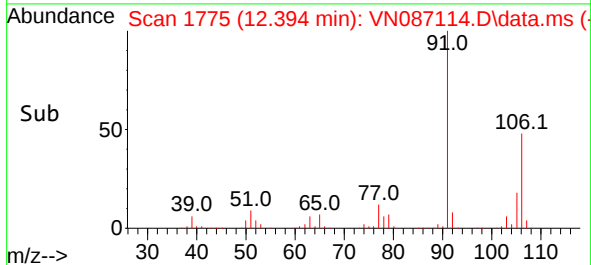
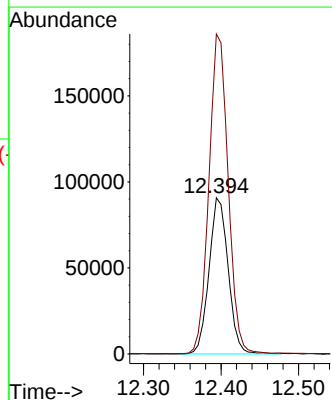
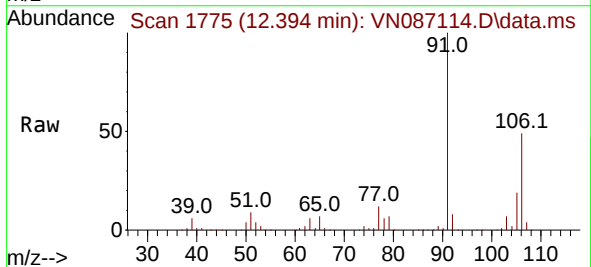
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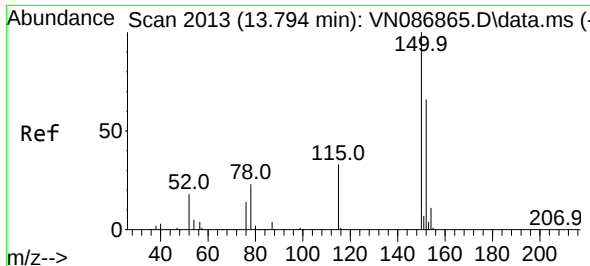
Tgt Ion:106 Resp: 360555
Ion Ratio Lower Upper
106 100
91 195.8 159.4 239.0



#69
o-Xylene
Concen: 33.573 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

Tgt Ion:106 Resp: 155804
Ion Ratio Lower Upper
106 100
91 205.7 106.1 318.1

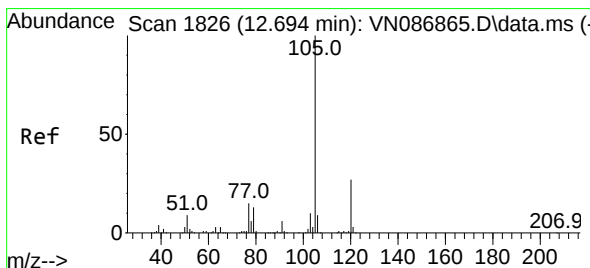
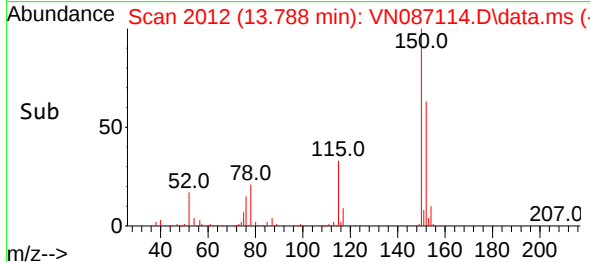
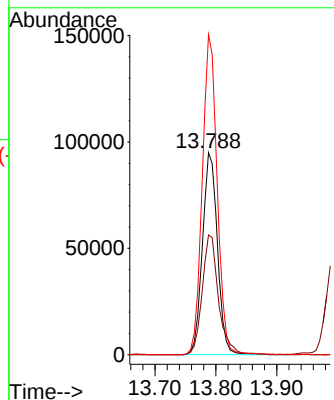
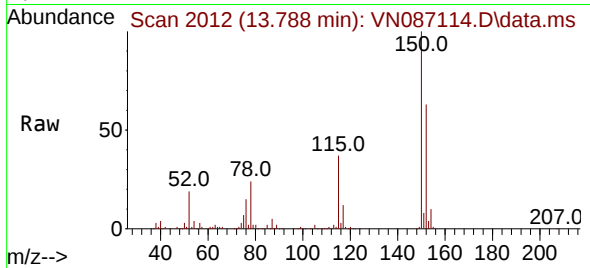




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

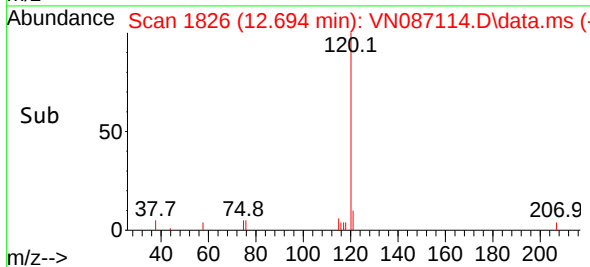
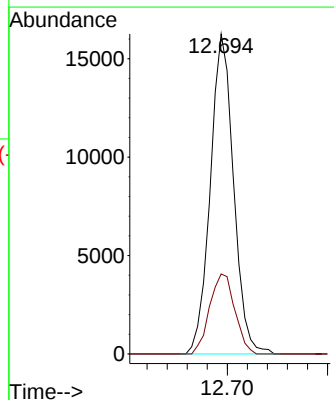
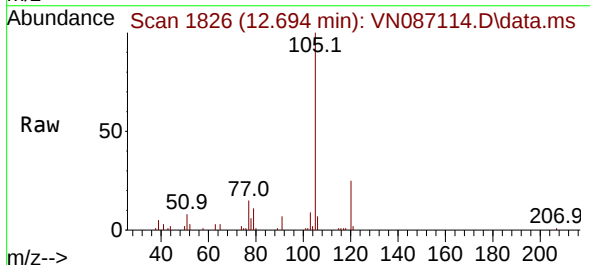
Instrument :
MSVOA_N
ClientSampleId :
MW-08DL

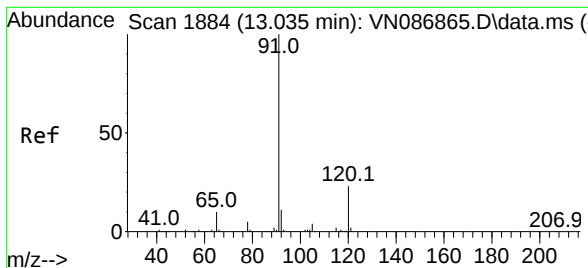
Tgt Ion:152 Resp: 162105
Ion Ratio Lower Upper
152 100
115 64.6 30.1 90.5
150 157.3 0.0 345.0



#73
Isopropylbenzene
Concen: 2.215 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

Tgt Ion:105 Resp: 26160
Ion Ratio Lower Upper
105 100
120 27.0 13.5 40.4





#78

n-propylbenzene

Concen: 4.610 ug/l

RT: 13.035 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087114.D

Acq: 19 Jun 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

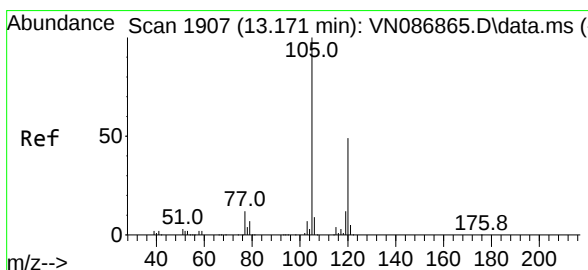
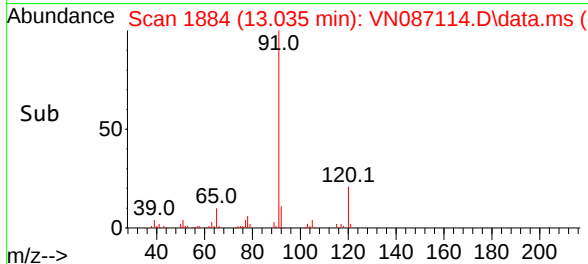
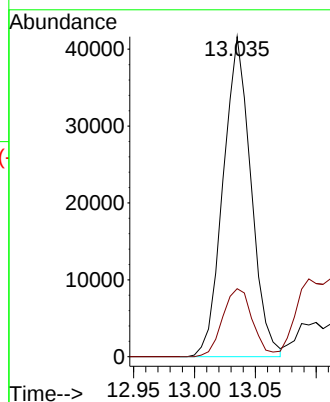
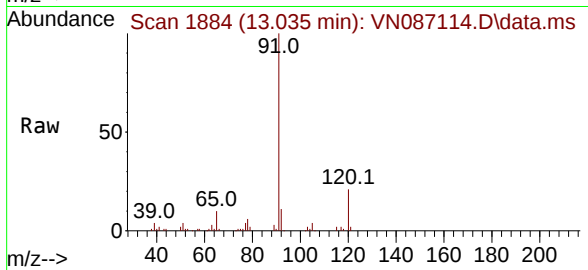
MW-08DL

Tgt Ion: 91 Resp: 66168

Ion Ratio Lower Upper

91 100

120 22.7 11.4 34.2



#80

1,3,5-Trimethylbenzene

Concen: 2.502 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN087114.D

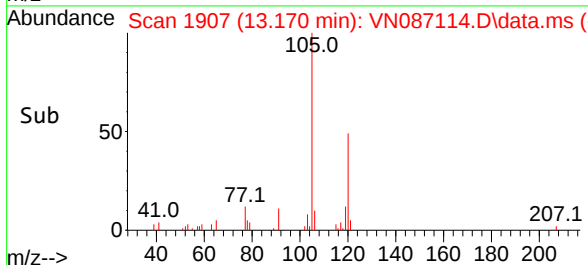
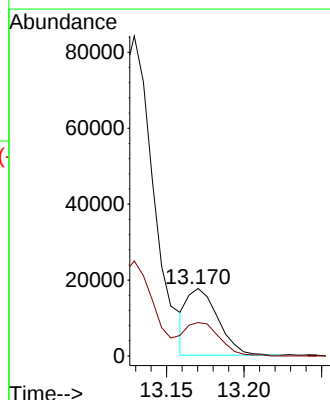
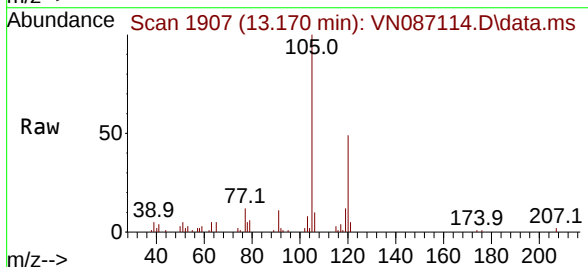
Acq: 19 Jun 2025 16:07

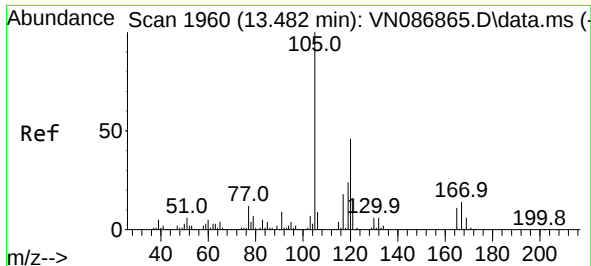
Tgt Ion:105 Resp: 24397

Ion Ratio Lower Upper

105 100

120 60.6 24.9 74.6

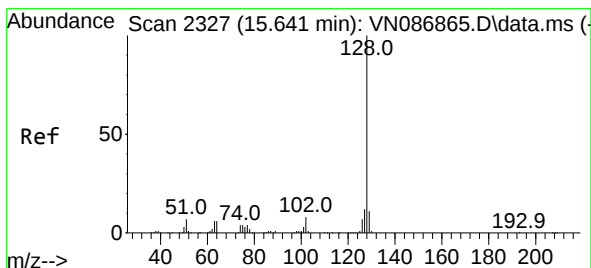
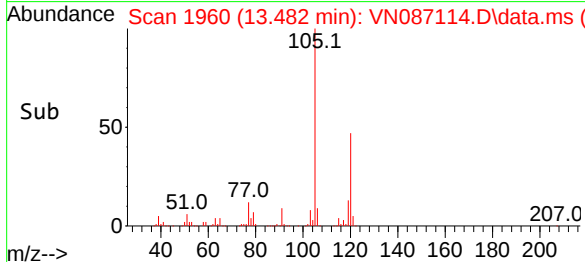
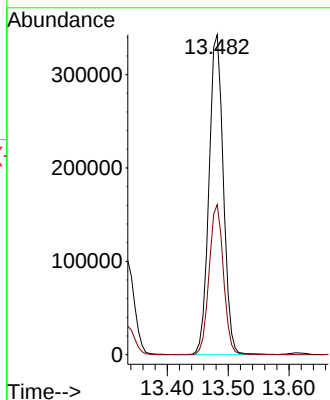
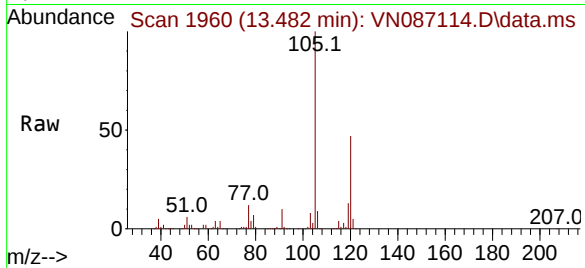




#84
1,2,4-Trimethylbenzene
Concen: 57.233 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

Instrument :
MSVOA_N
ClientSampleId :
MW-08DL

Tgt Ion:105 Resp: 559574
Ion Ratio Lower Upper
105 100
120 46.9 23.2 69.6



#95
Naphthalene
Concen: 20.070 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN087114.D
Acq: 19 Jun 2025 16:07

Tgt Ion:128 Resp: 244209
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.2
129 10.6 8.8 13.2

