

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
 Data File : VN086755.D
 Acq On : 22 May 2025 10:42
 Operator : JC\MD
 Sample : Q2078-05DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A4-05-GDL

Quant Time: May 23 01:33:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
 Quant Title : SW846 8260
 QLast Update : Sat May 17 00:46:13 2025
 Response via : Initial Calibration

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

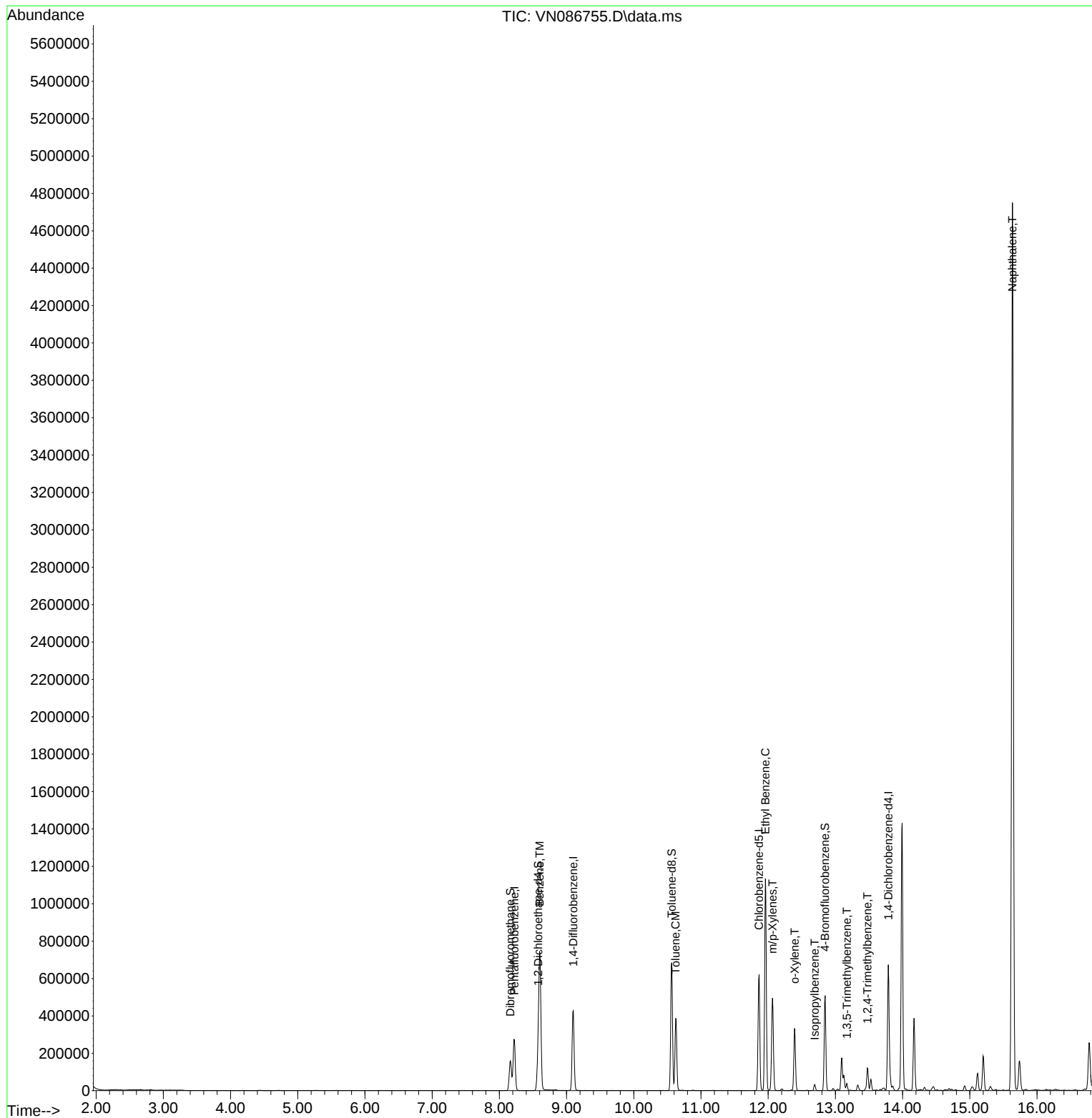
Internal Standards						
1) Pentafluorobenzene	8.224	168	218608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	406432	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	391538	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	193941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	137029	45.362	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	90.720%	
35) Dibromofluoromethane	8.165	113	122866	50.761	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	101.520%	
50) Toluene-d8	10.565	98	508487	50.694	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	101.380%	
62) 4-Bromofluorobenzene	12.847	95	191935	54.192	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	108.380%	
Target Compounds						
					Qvalue	
40) Benzene	8.600	78	785047	67.404	ug/l	99
52) Toluene	10.624	92	180966	24.999	ug/l	99
67) Ethyl Benzene	11.959	91	877982	59.703	ug/l	99
68) m/p-Xylenes	12.065	106	171063	30.711	ug/l	96
69) o-Xylene	12.394	106	98553	17.797	ug/l	99
73) Isopropylbenzene	12.694	105	24130	1.611	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	19532	1.628	ug/l	95
84) 1,2,4-Trimethylbenzene	13.476	105	70799	5.924	ug/l	96
95) Naphthalene	15.635	128	4607064	506.516	ug/l	100

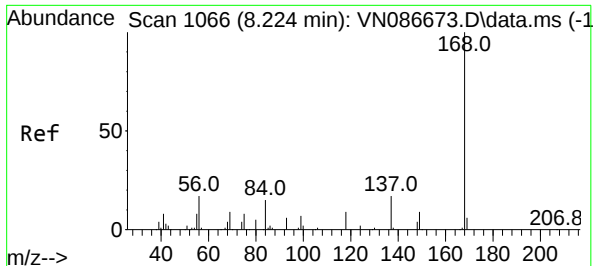
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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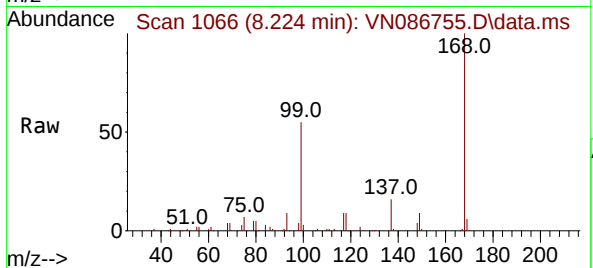
Quant Time: May 23 01:33:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
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QLast Update : Sat May 17 00:46:13 2025
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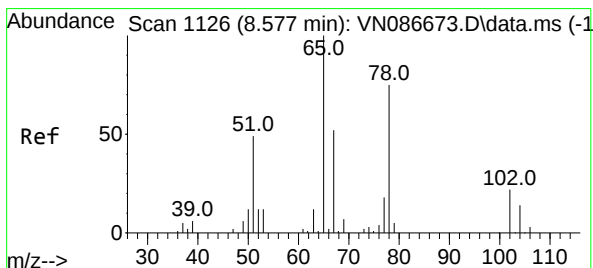
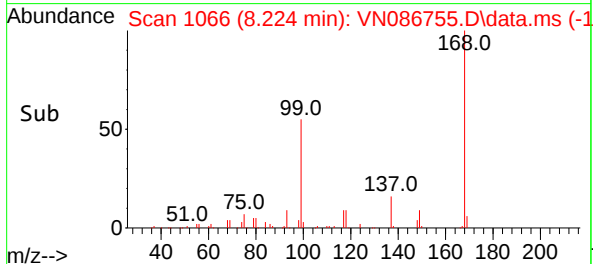
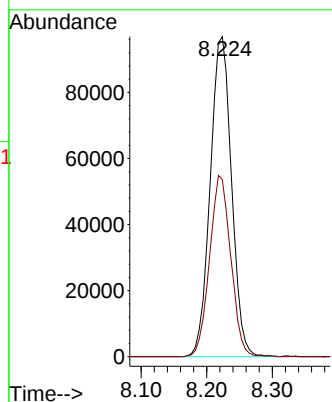


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VN086755.D
Acq: 22 May 2025 10:42

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05-GDL

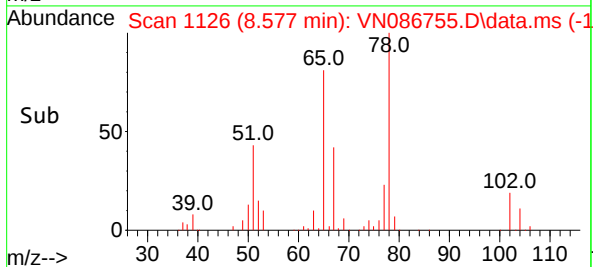
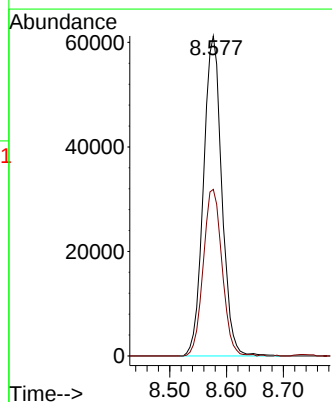
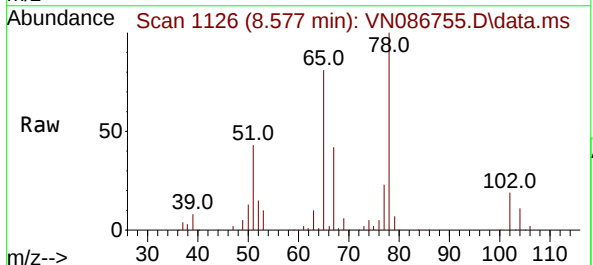


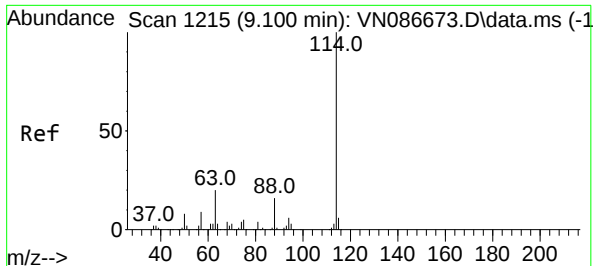
Tgt Ion:168 Resp: 218608
Ion Ratio Lower Upper
168 100
99 55.5 47.0 70.4



#33
1,2-Dichloroethane-d4
Concen: 45.362 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086755.D
Acq: 22 May 2025 10:42

Tgt Ion: 65 Resp: 137029
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.4

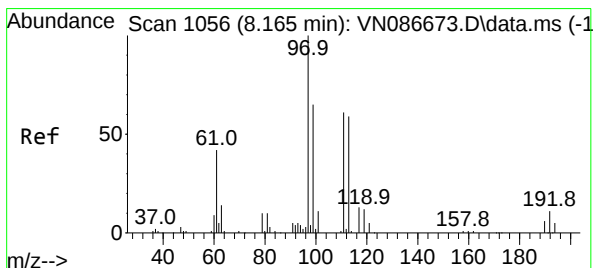
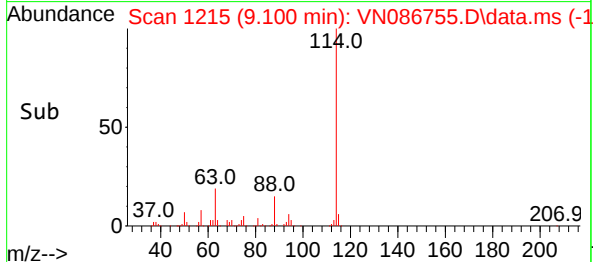
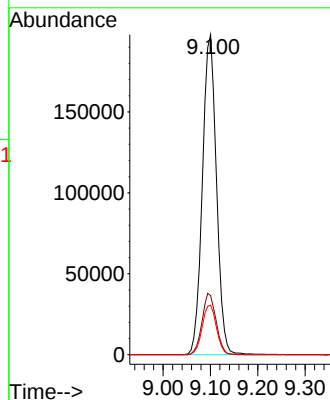
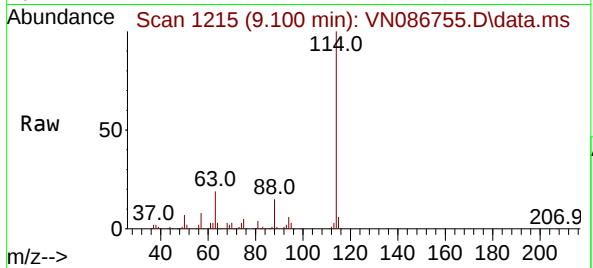




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086755.D
Acq: 22 May 2025 10:42

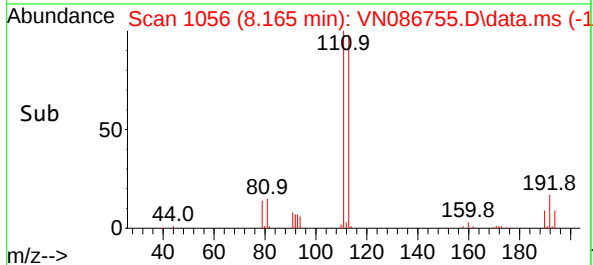
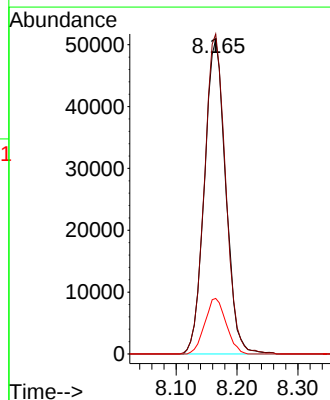
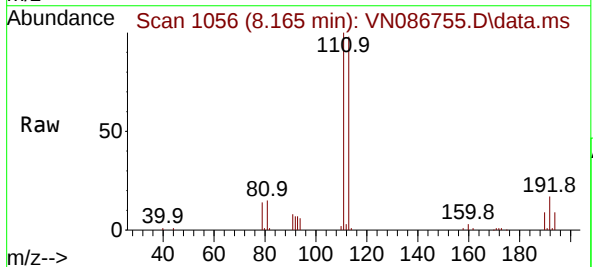
Instrument :
MSVOA_N
ClientSampleId :
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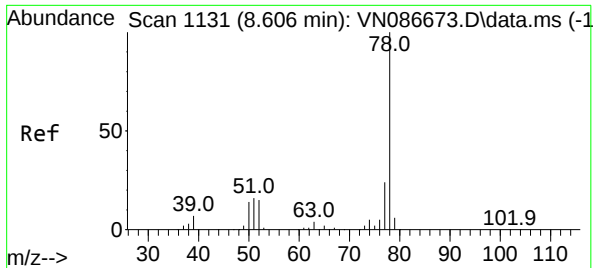
Tgt Ion:114 Resp: 406432
Ion Ratio Lower Upper
114 100
63 18.5 0.0 40.2
88 15.4 0.0 31.2



#35
Dibromofluoromethane
Concen: 50.761 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086755.D
Acq: 22 May 2025 10:42

Tgt Ion:113 Resp: 122866
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 17.7 13.8 20.8

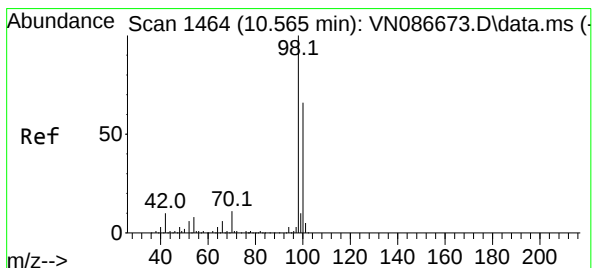
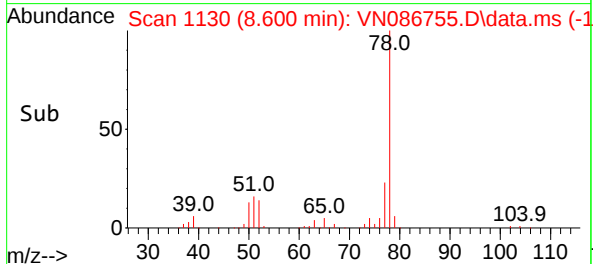
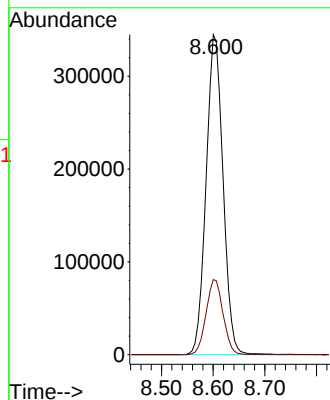
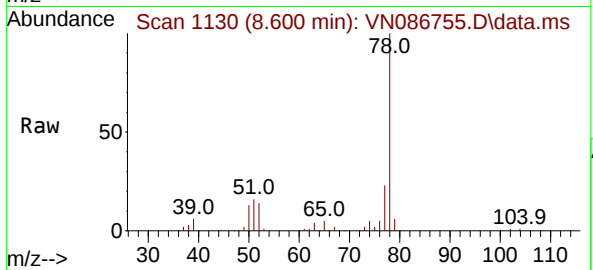




#40
Benzene
Concen: 67.404 ug/l
RT: 8.600 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN086755.D
Acq: 22 May 2025 10:42

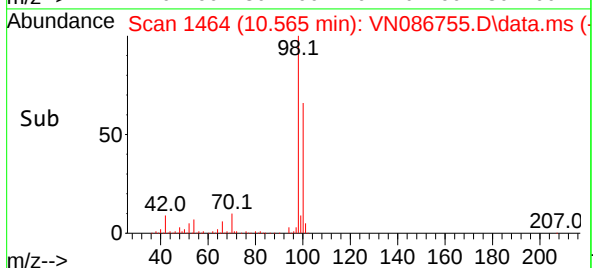
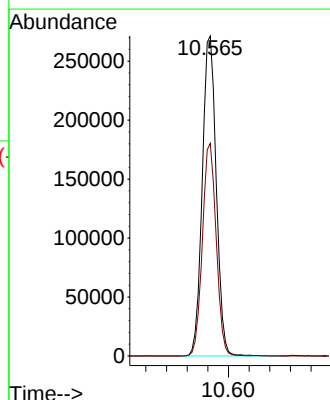
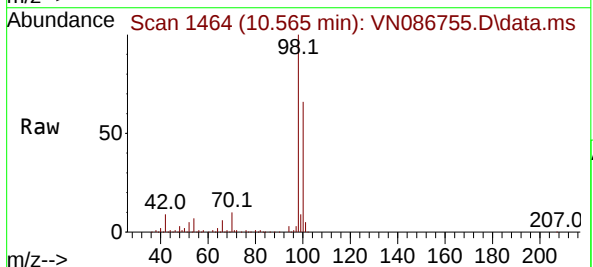
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05-GDL

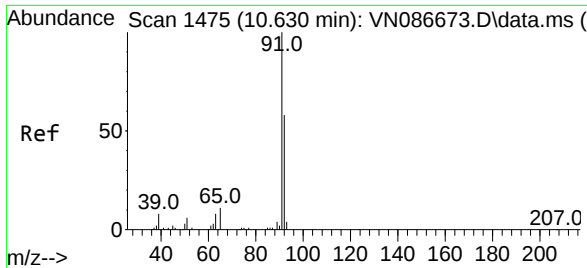
Tgt Ion: 78 Resp: 785047
Ion Ratio Lower Upper
78 100
77 23.4 19.1 28.7



#50
Toluene-d8
Concen: 50.694 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086755.D
Acq: 22 May 2025 10:42

Tgt Ion: 98 Resp: 508487
Ion Ratio Lower Upper
98 100
100 65.6 52.9 79.3

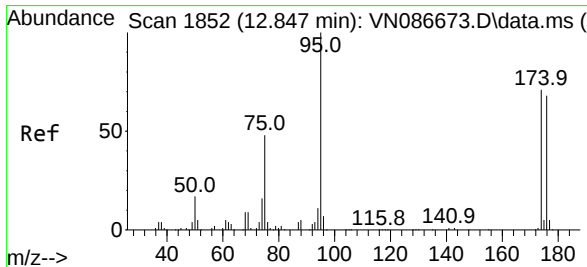
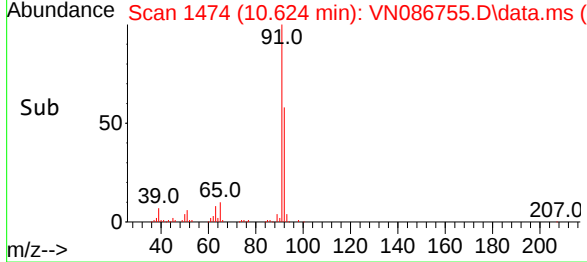
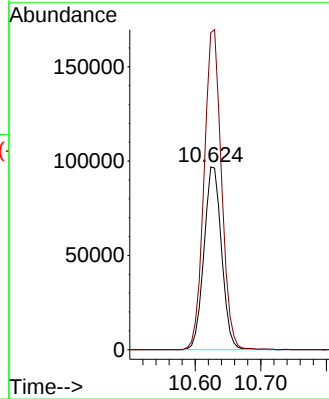
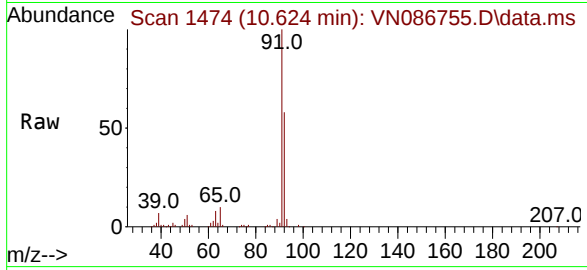




#52
Toluene
Concen: 24.999 ug/l
RT: 10.624 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086755.D
Acq: 22 May 2025 10:42

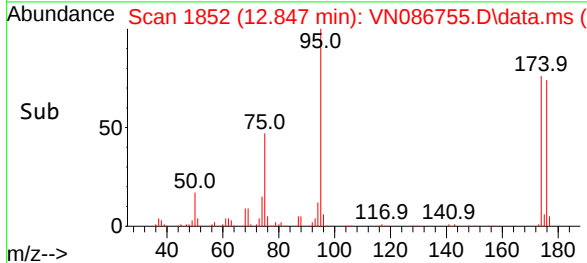
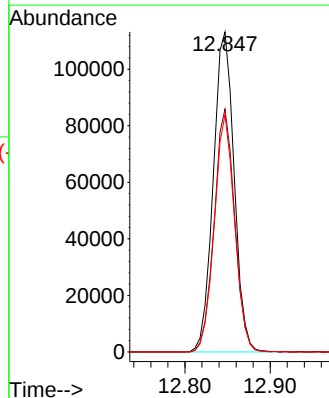
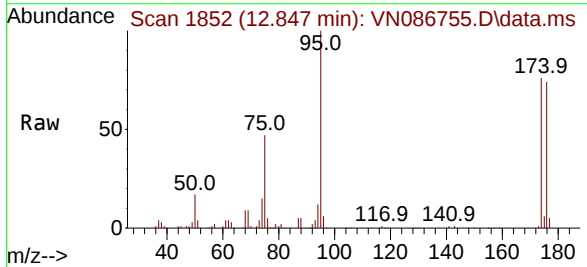
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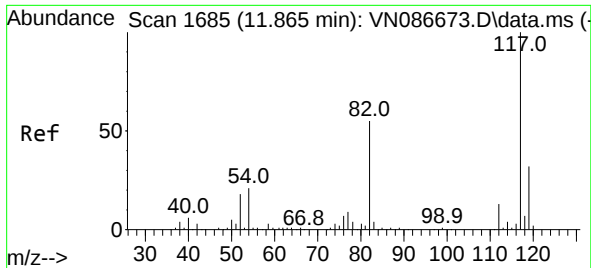
Tgt Ion: 92 Resp: 180966
Ion Ratio Lower Upper
92 100
91 173.4 137.8 206.8



#62
4-Bromofluorobenzene
Concen: 54.192 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086755.D
Acq: 22 May 2025 10:42

Tgt Ion: 95 Resp: 191935
Ion Ratio Lower Upper
95 100
174 74.9 0.0 145.4
176 72.1 0.0 137.8

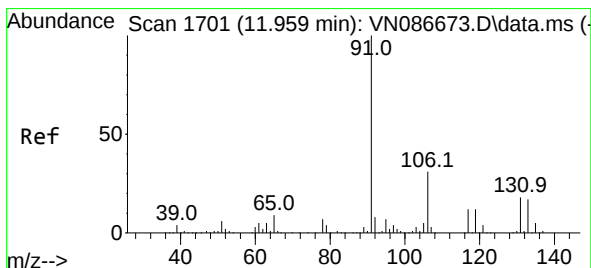
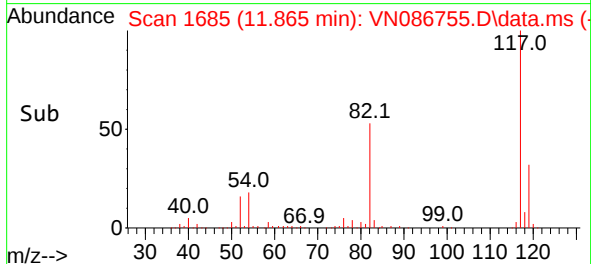
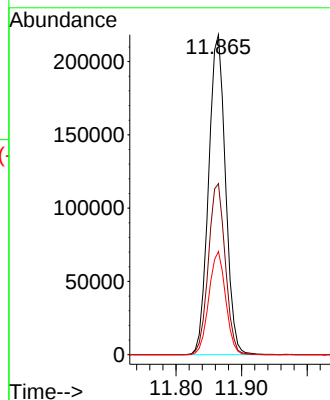
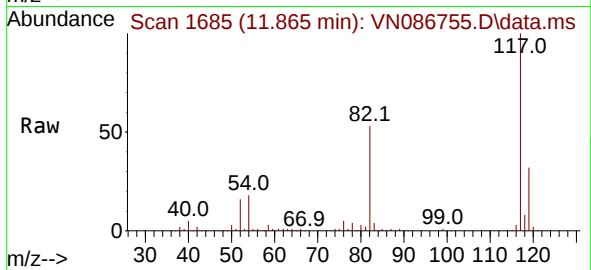




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086755.D
Acq: 22 May 2025 10:42

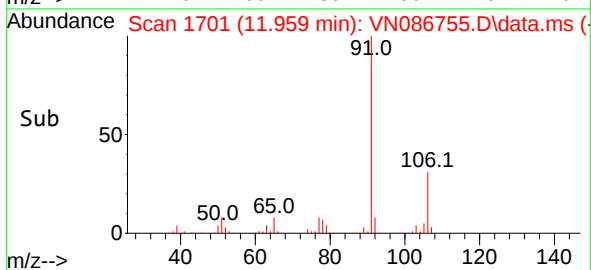
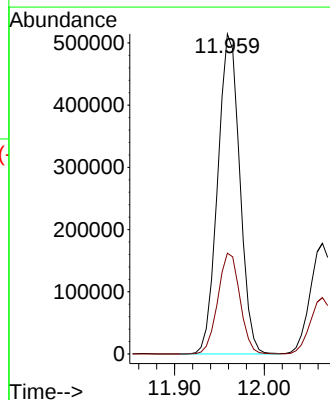
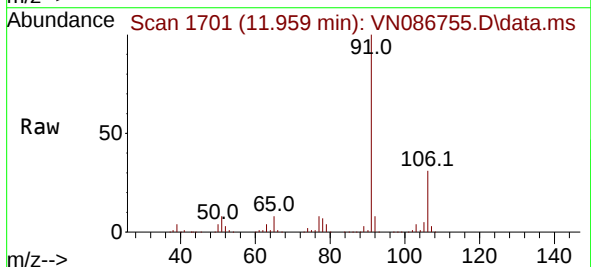
Instrument :
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ClientSampleId :
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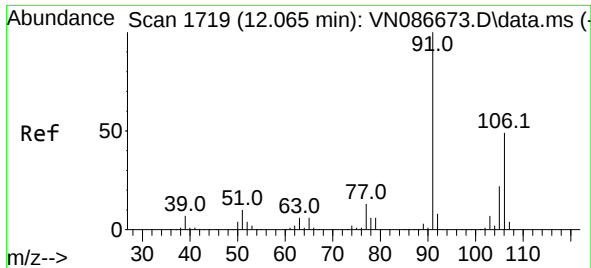
Tgt Ion:117 Resp: 391538
Ion Ratio Lower Upper
117 100
82 53.5 44.2 66.2
119 32.3 25.4 38.2



#67
Ethyl Benzene
Concen: 59.703 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086755.D
Acq: 22 May 2025 10:42

Tgt Ion: 91 Resp: 877982
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8

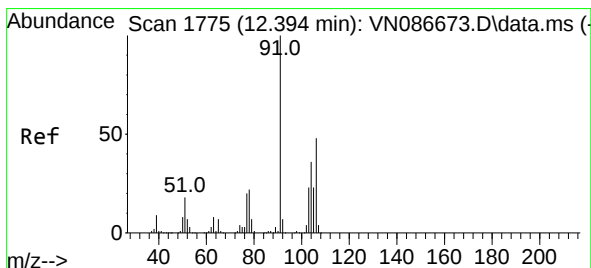
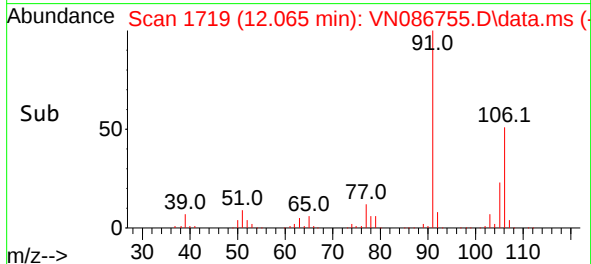
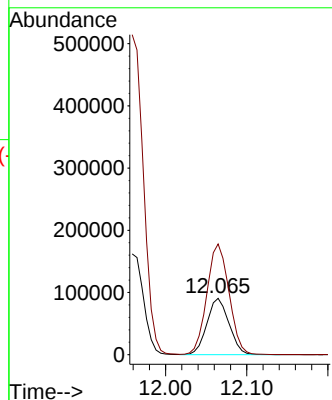
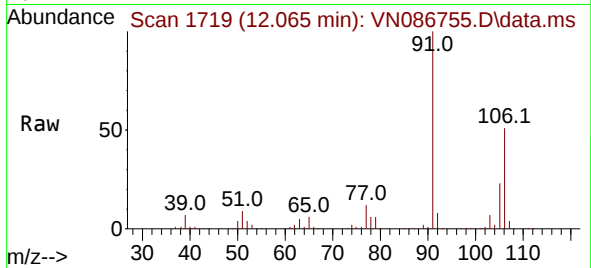




#68
m/p-Xylenes
Concen: 30.711 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086755.D
Acq: 22 May 2025 10:42

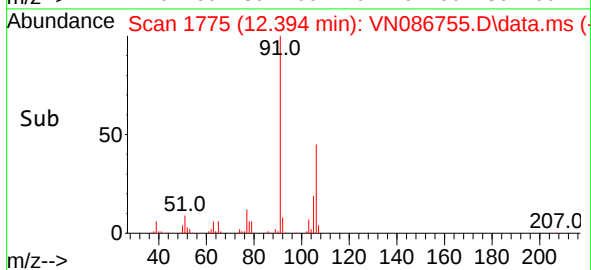
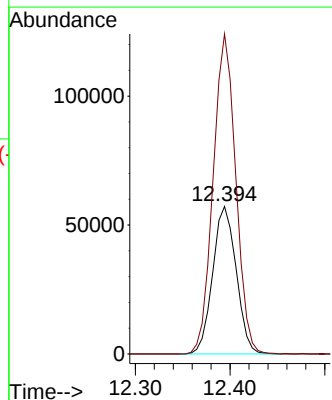
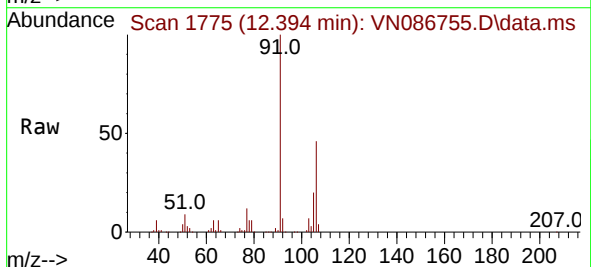
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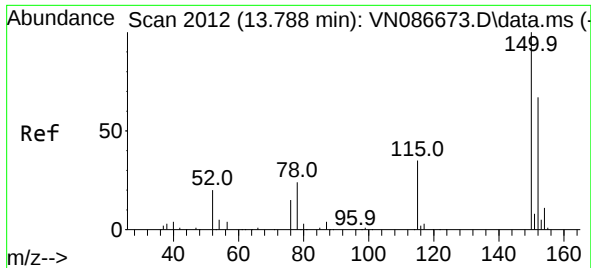
Tgt Ion:106 Resp: 171063
Ion Ratio Lower Upper
106 100
91 197.5 162.4 243.6



#69
o-Xylene
Concen: 17.797 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086755.D
Acq: 22 May 2025 10:42

Tgt Ion:106 Resp: 98553
Ion Ratio Lower Upper
106 100
91 209.0 105.1 315.1

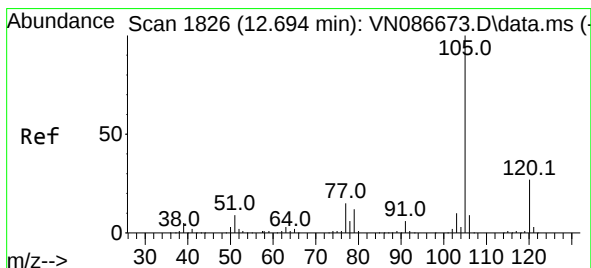
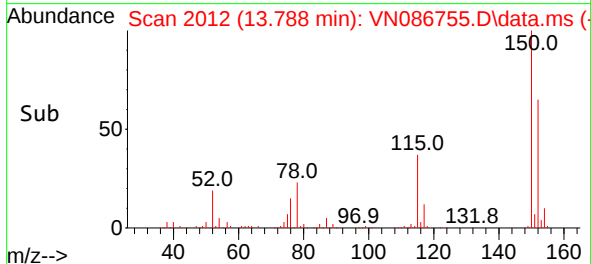
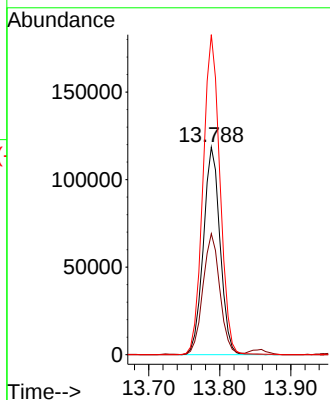
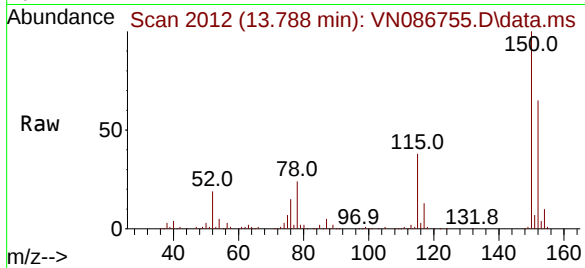




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086755.D
Acq: 22 May 2025 10:42

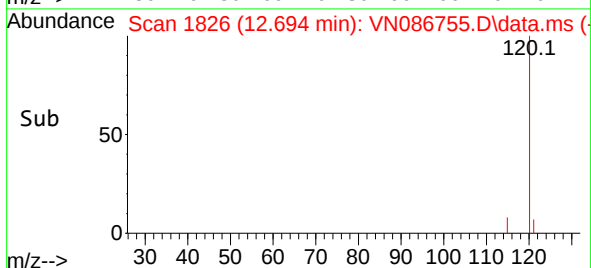
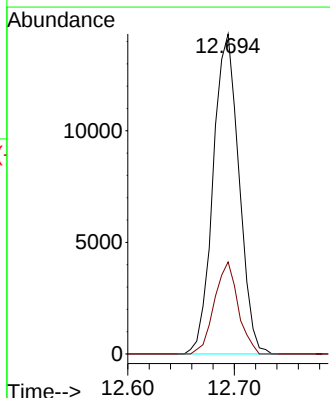
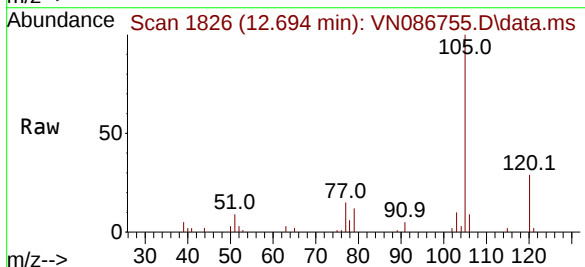
Instrument :
MSVOA_N
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WC-A4-05-GDL

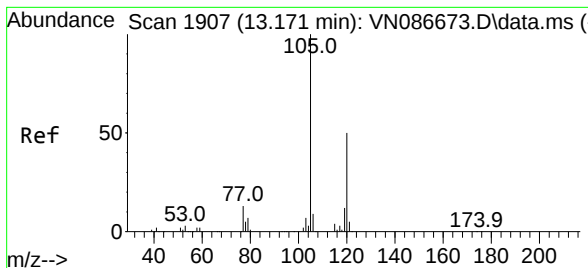
Tgt Ion:152 Resp: 193941
Ion Ratio Lower Upper
152 100
115 59.3 30.0 90.1
150 156.3 0.0 347.8



#73
Isopropylbenzene
Concen: 1.611 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086755.D
Acq: 22 May 2025 10:42

Tgt Ion:105 Resp: 24130
Ion Ratio Lower Upper
105 100
120 26.3 13.4 40.1

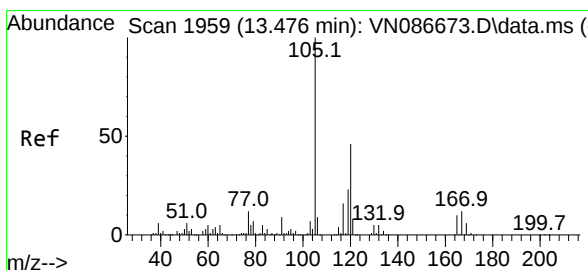
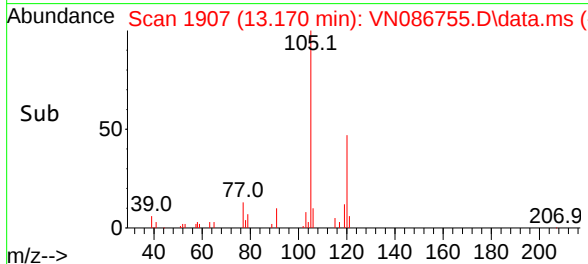
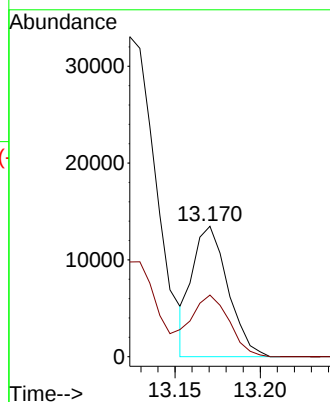
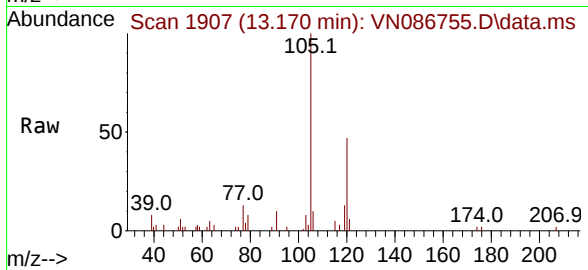




#80
 1,3,5-Trimethylbenzene
 Concen: 1.628 ug/l
 RT: 13.170 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VN086755.D
 Acq: 22 May 2025 10:42

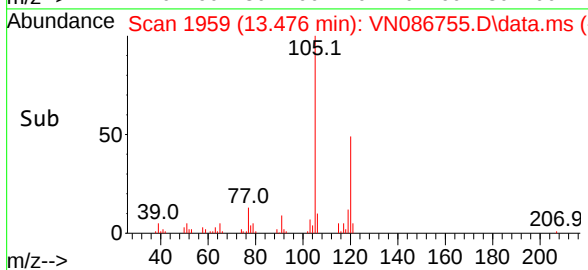
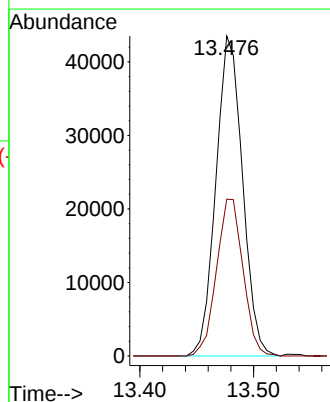
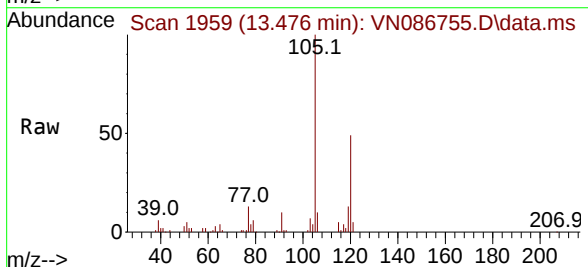
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A4-05-GDL

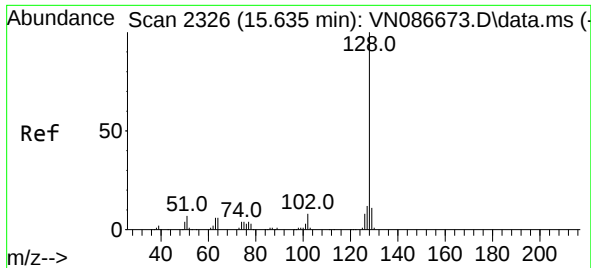
Tgt Ion:105 Resp: 19532
 Ion Ratio Lower Upper
 105 100
 120 53.3 24.9 74.6



#84
 1,2,4-Trimethylbenzene
 Concen: 5.924 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.000 min
 Lab File: VN086755.D
 Acq: 22 May 2025 10:42

Tgt Ion:105 Resp: 70799
 Ion Ratio Lower Upper
 105 100
 120 48.9 23.2 69.6





#95

Naphthalene

Concen: 506.516 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086755.D

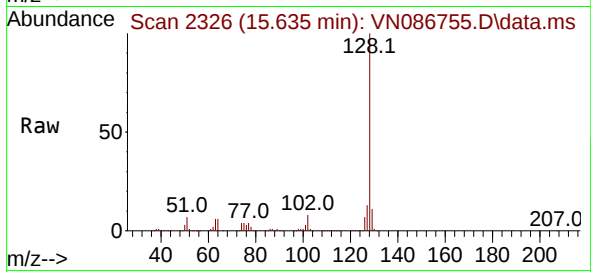
Acq: 22 May 2025 10:42

Instrument :

MSVOA_N

ClientSampleId :

WC-A4-05-GDL



Tgt Ion:128 Resp: 4607064

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 10.9 8.6 13.0

