

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
 Data File : VN086756.D
 Acq On : 22 May 2025 11:06
 Operator : JC\MD
 Sample : Q2078-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A4-04-GRE

Quant Time: May 23 01:33:43 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)

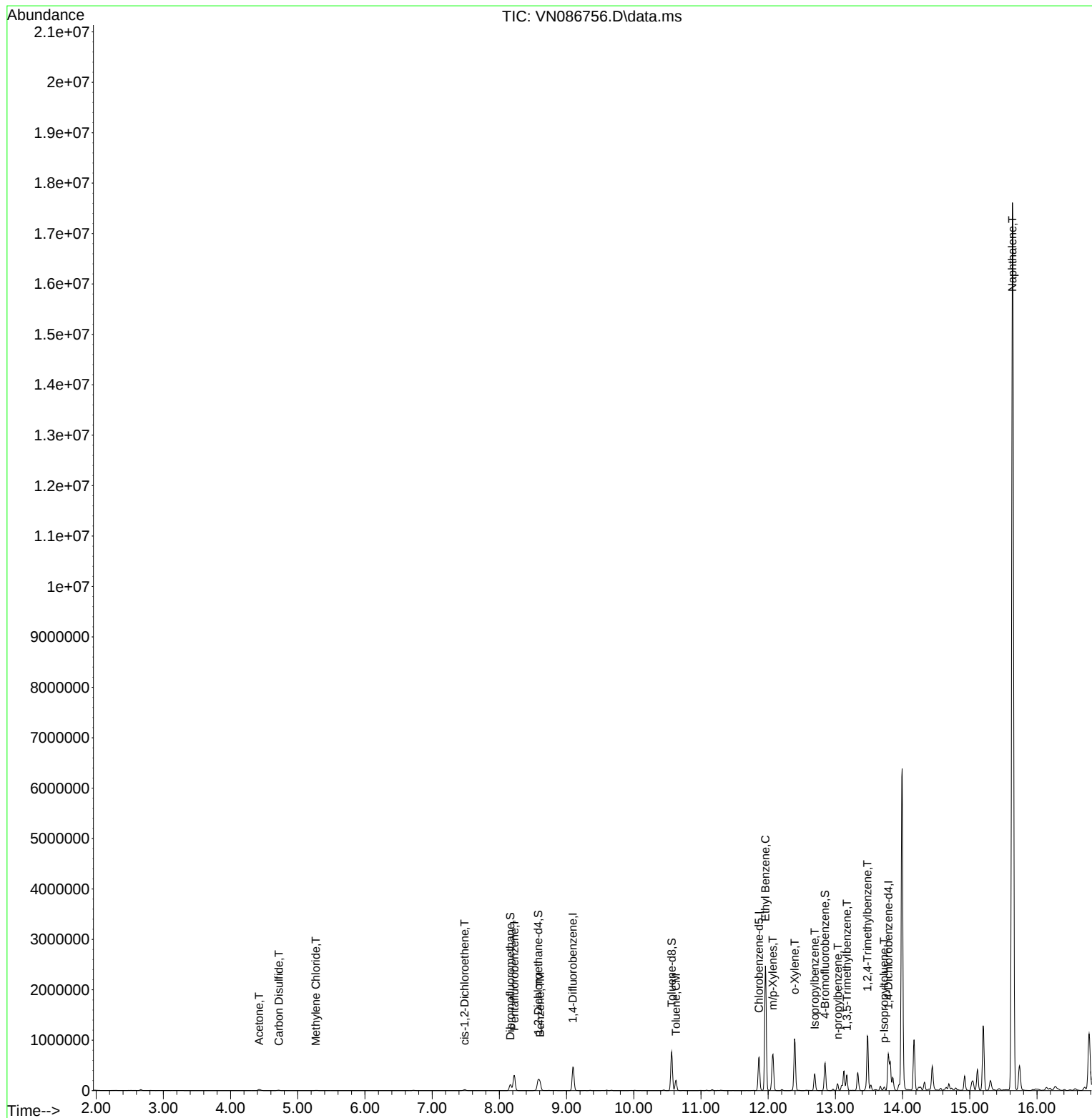
Internal Standards						
1) Pentafluorobenzene	8.224	168	239210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	440051	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	419182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	202121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	147748	44.698	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.400%		
35) Dibromofluoromethane	8.165	113	91664	34.977	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	69.960%#		
50) Toluene-d8	10.565	98	554232	51.033	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.060%		
62) 4-Bromofluorobenzene	12.847	95	207802	54.190	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	108.380%		
Target Compounds					Qvalue	
16) Acetone	4.424	43	45718	36.975	ug/l	97
17) Carbon Disulfide	4.718	76	8100	1.097	ug/l	96
20) Methylene Chloride	5.271	84	4446	1.363	ug/l #	88
27) cis-1,2-Dichloroethene	7.482	96	10312	2.978	ug/l	87
40) Benzene	8.606	78	178660	14.168	ug/l	96
52) Toluene	10.629	92	94780	12.093	ug/l	99
67) Ethyl Benzene	11.959	91	1905918	121.055	ug/l	99
68) m/p-Xylenes	12.070	106	258190	43.296	ug/l	97
69) o-Xylene	12.394	106	303861	51.253	ug/l	100
73) Isopropylbenzene	12.694	105	238924	15.305	ug/l	99
78) n-propylbenzene	13.035	91	114578	6.396	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	161834	12.940	ug/l	95
84) 1,2,4-Trimethylbenzene	13.476	105	645388	51.819	ug/l	98
86) p-Isopropyltoluene	13.723	119	27154	2.265	ug/l #	77
95) Naphthalene	15.635	128	17504109	1846.577	ug/l	97

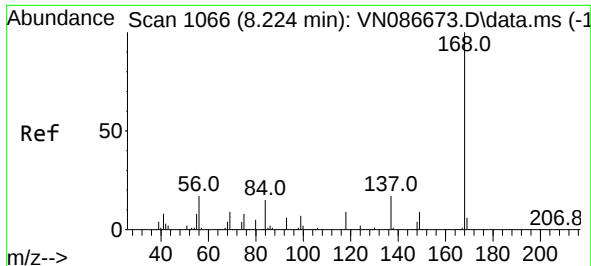
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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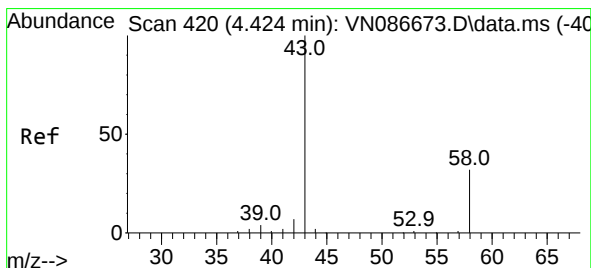
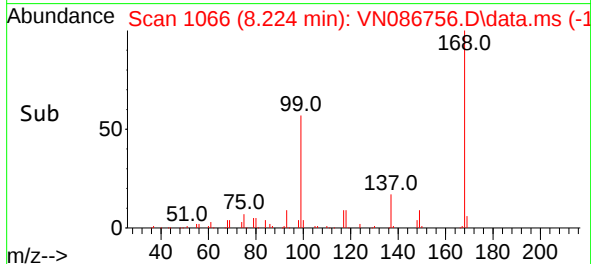
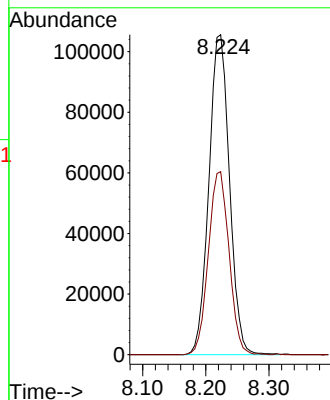
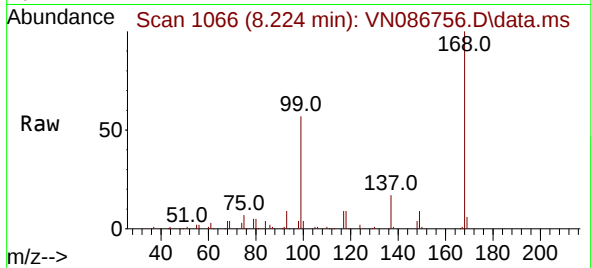




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

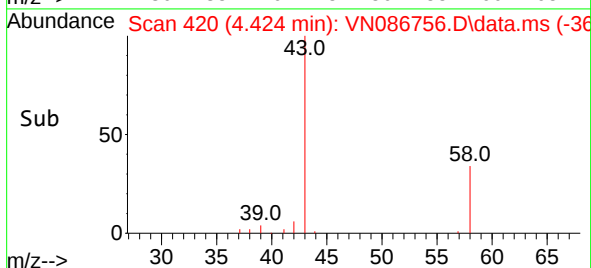
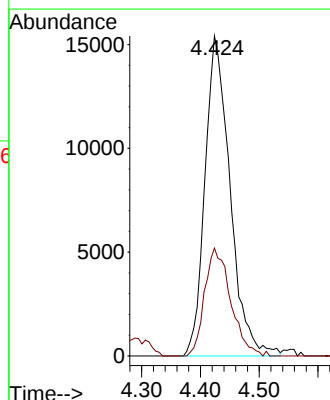
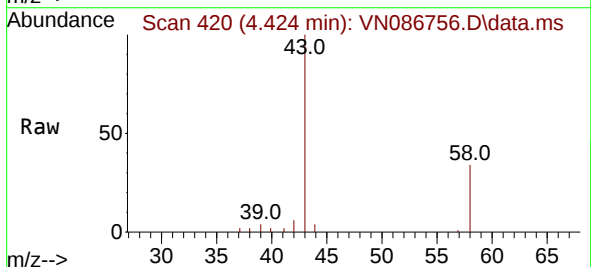
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-04-GRE

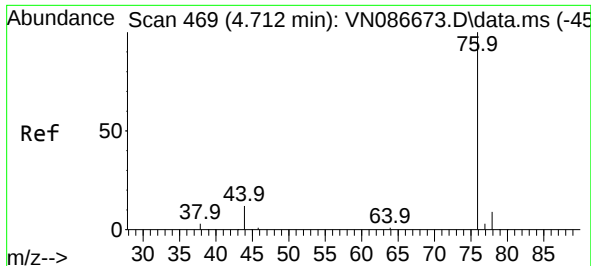
Tgt Ion:168 Resp: 239210
Ion Ratio Lower Upper
168 100
99 57.2 47.0 70.4



#16
Acetone
Concen: 36.975 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

Tgt Ion: 43 Resp: 45718
Ion Ratio Lower Upper
43 100
58 33.7 25.8 38.6

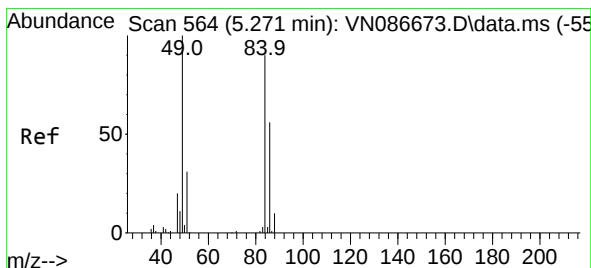
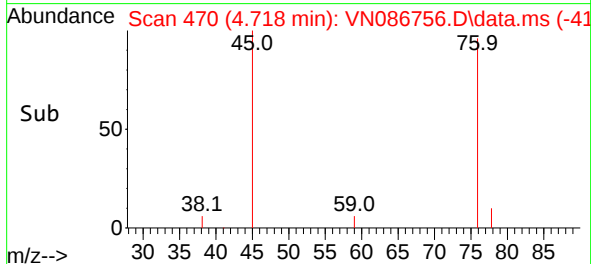
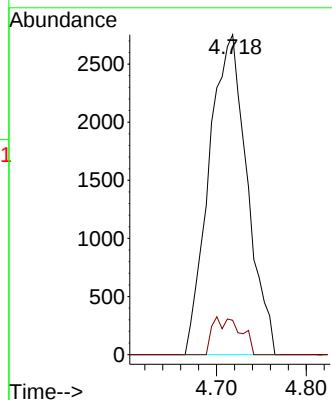
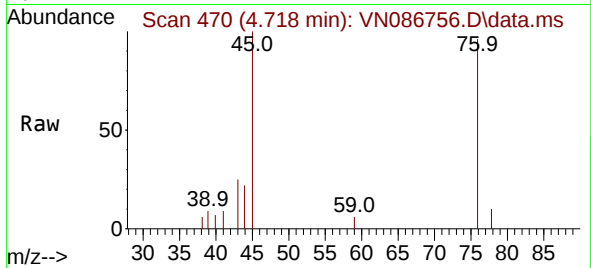




#17
Carbon Disulfide
Concen: 1.097 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

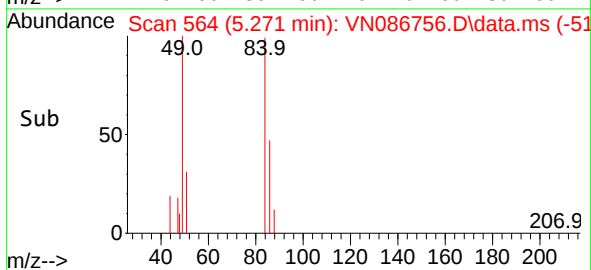
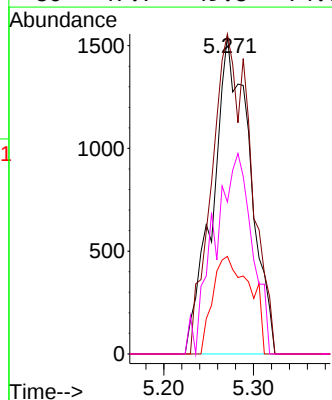
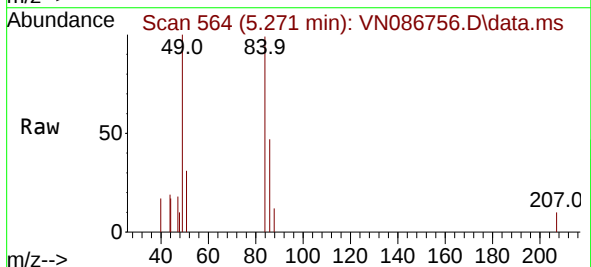
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-04-GRE

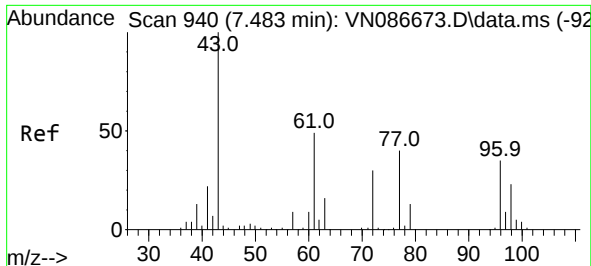
Tgt Ion: 76 Resp: 8100
Ion Ratio Lower Upper
76 100
78 10.7 7.3 10.9



#20
Methylene Chloride
Concen: 1.363 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

Tgt Ion: 84 Resp: 4446
Ion Ratio Lower Upper
84 100
49 100.5 88.8 133.2
51 30.7 27.8 41.6
86 47.7 49.8 74.6#

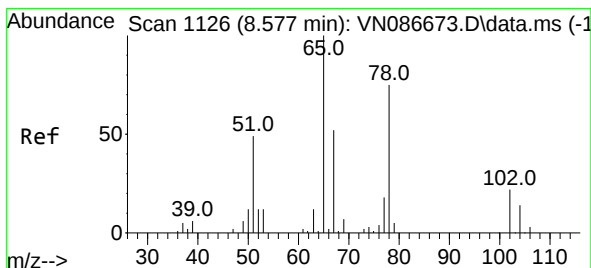
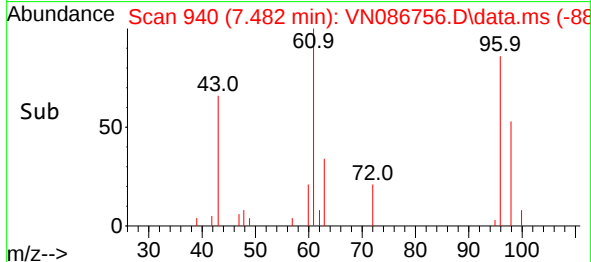
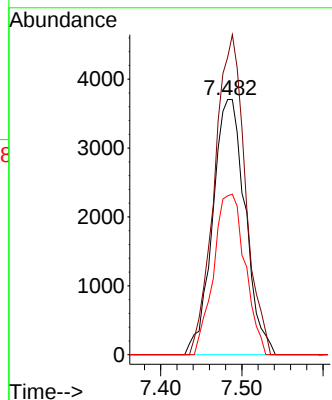
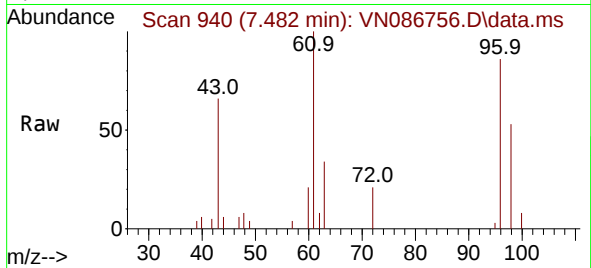




#27
 cis-1,2-Dichloroethene
 Concen: 2.978 ug/l
 RT: 7.482 min Scan# 940
 Delta R.T. -0.000 min
 Lab File: VN086756.D
 Acq: 22 May 2025 11:06

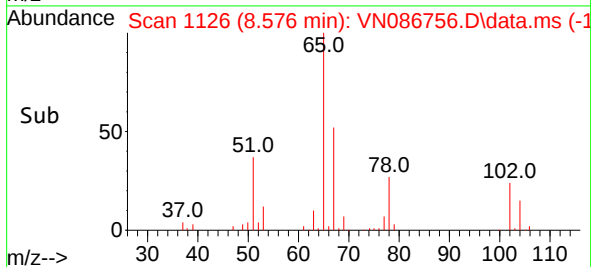
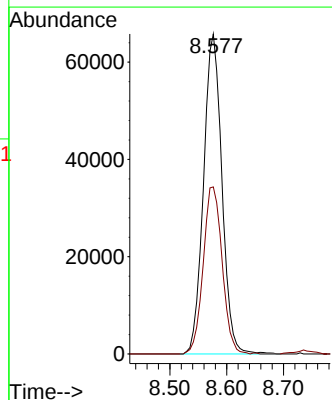
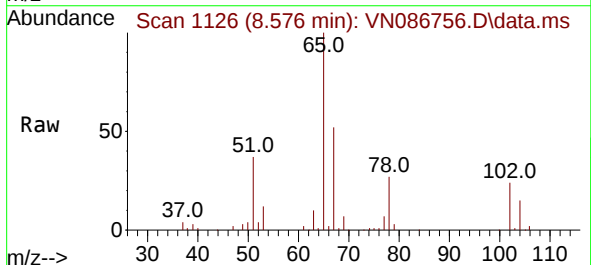
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A4-04-GRE

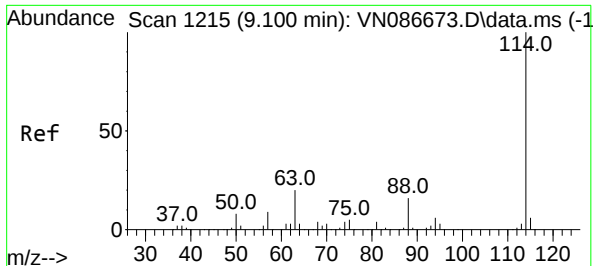
Tgt Ion: 96 Resp: 10312
 Ion Ratio Lower Upper
 96 100
 61 118.4 0.0 277.4
 98 60.7 0.0 129.6



#33
 1,2-Dichloroethane-d4
 Concen: 44.698 ug/l
 RT: 8.576 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN086756.D
 Acq: 22 May 2025 11:06

Tgt Ion: 65 Resp: 147748
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086756.D

Acq: 22 May 2025 11:06

Instrument :

MSVOA_N

ClientSampleId :

WC-A4-04-GRE

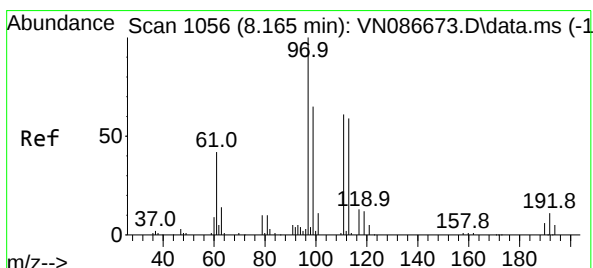
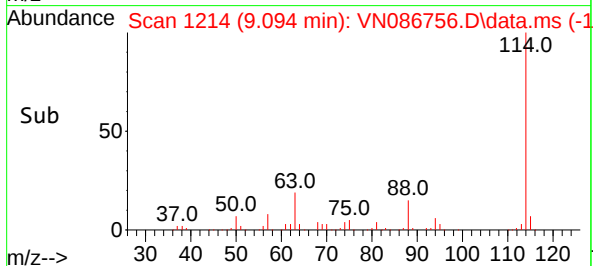
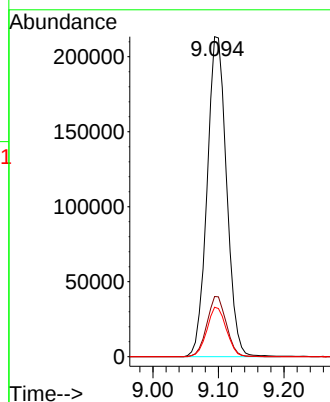
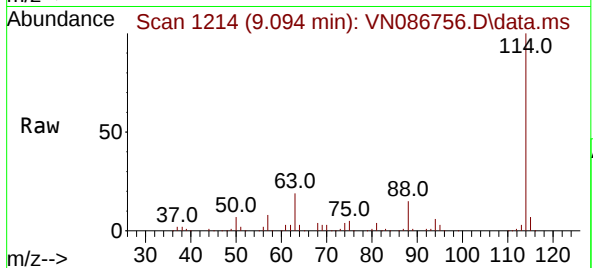
Tgt Ion:114 Resp: 440051

Ion Ratio Lower Upper

114 100

63 18.8 0.0 40.2

88 15.5 0.0 31.2



#35

Dibromofluoromethane

Concen: 34.977 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086756.D

Acq: 22 May 2025 11:06

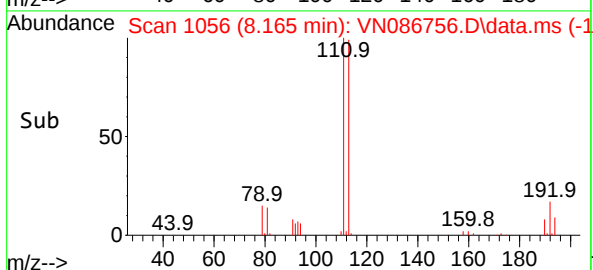
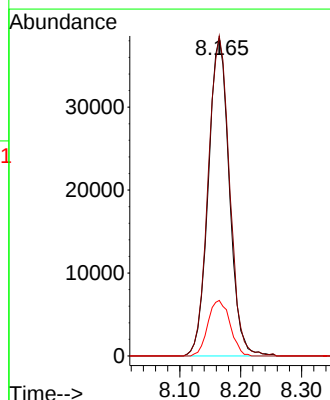
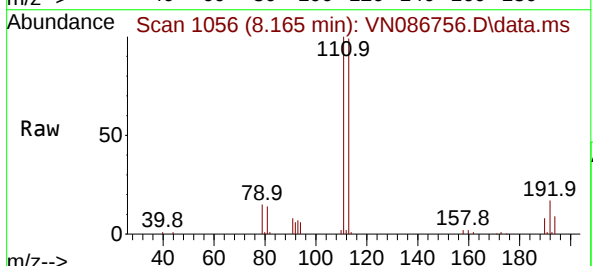
Tgt Ion:113 Resp: 91664

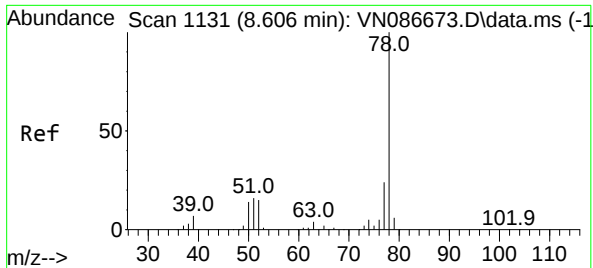
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

192 18.4 13.8 20.8

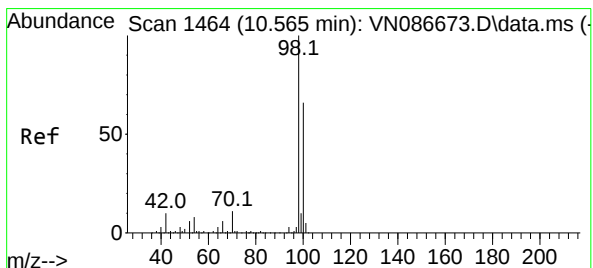
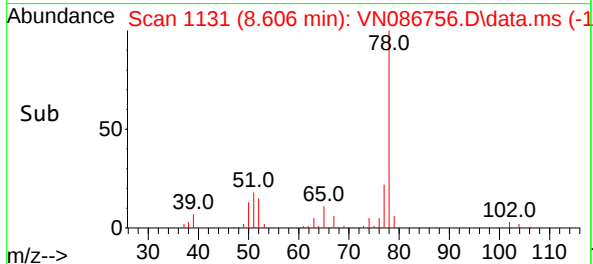
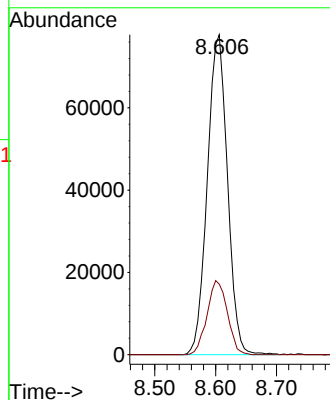
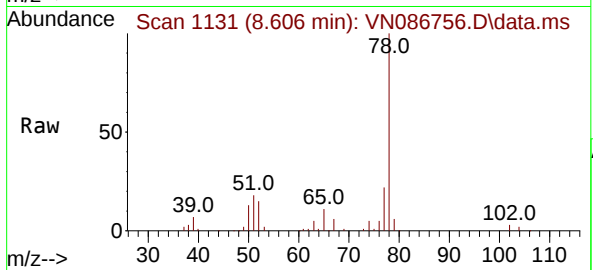




#40
Benzene
Concen: 14.168 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

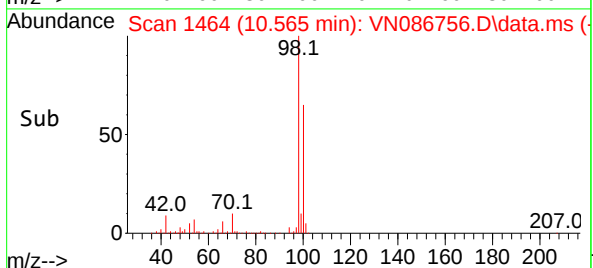
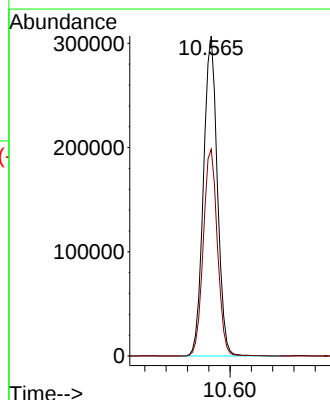
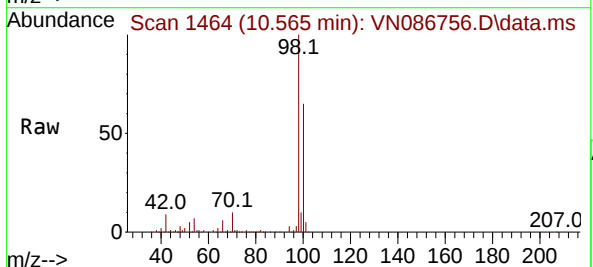
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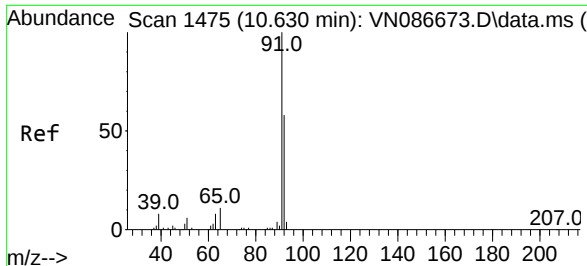
Tgt Ion: 78 Resp: 178660
Ion Ratio Lower Upper
78 100
77 22.1 19.1 28.7



#50
Toluene-d8
Concen: 51.033 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

Tgt Ion: 98 Resp: 554232
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3

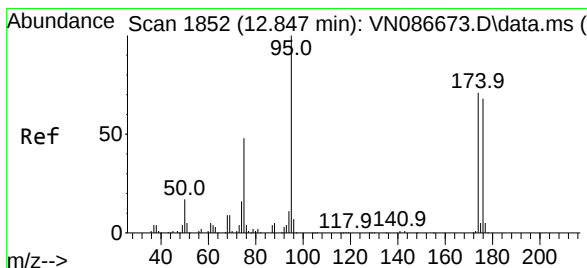
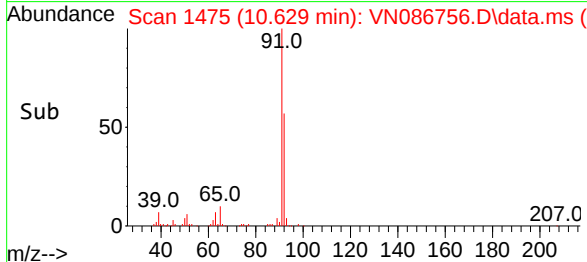
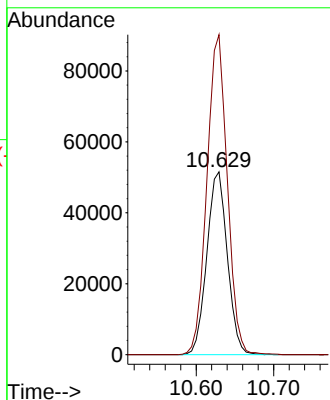
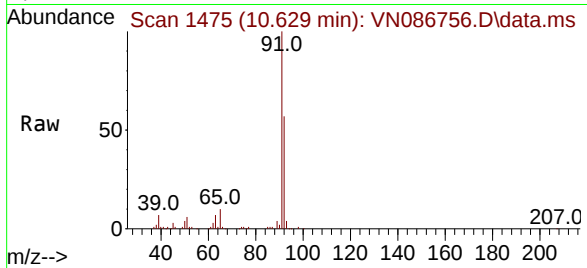




#52
Toluene
Concen: 12.093 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

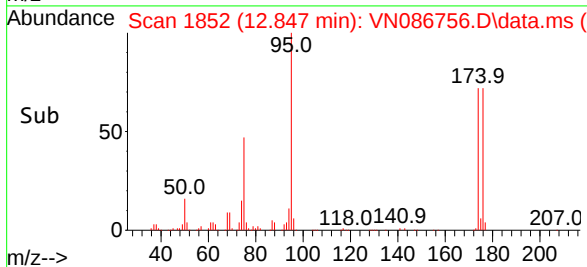
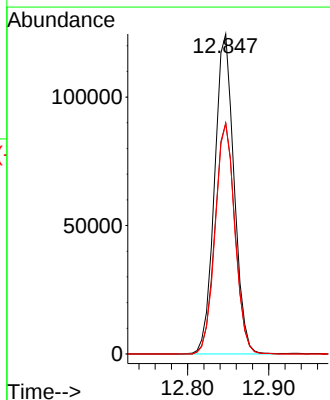
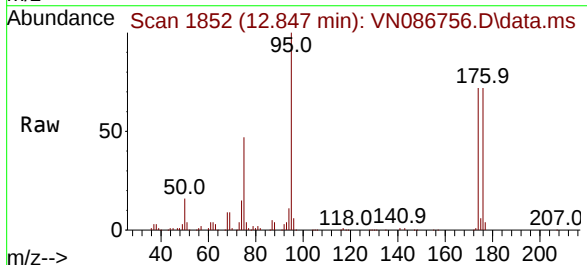
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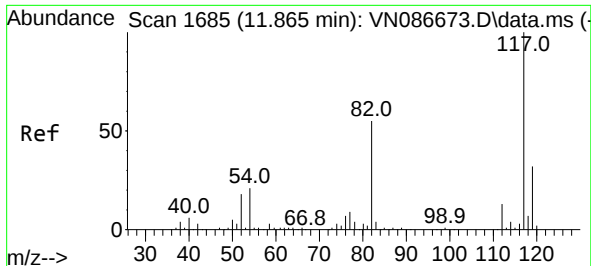
Tgt Ion: 92 Resp: 94780
Ion Ratio Lower Upper
92 100
91 173.9 137.8 206.8



#62
4-Bromofluorobenzene
Concen: 54.190 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

Tgt Ion: 95 Resp: 207802
Ion Ratio Lower Upper
95 100
174 73.7 0.0 145.4
176 72.6 0.0 137.8

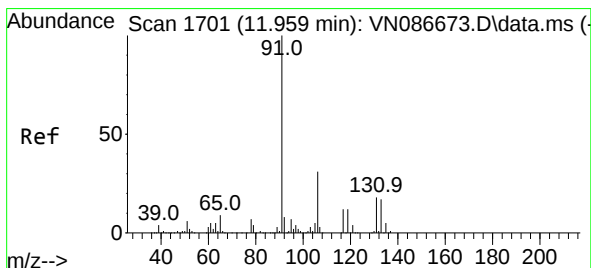
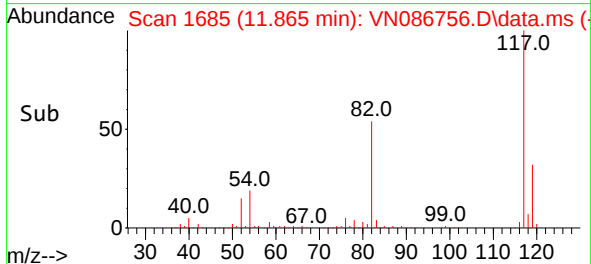
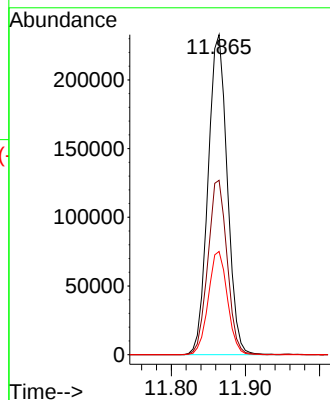
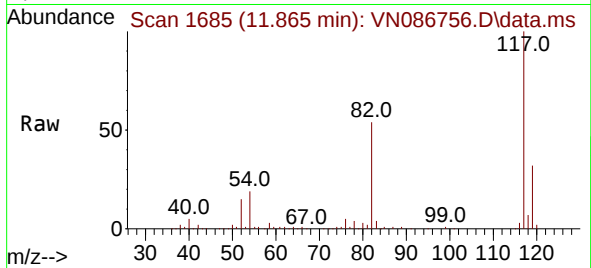




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

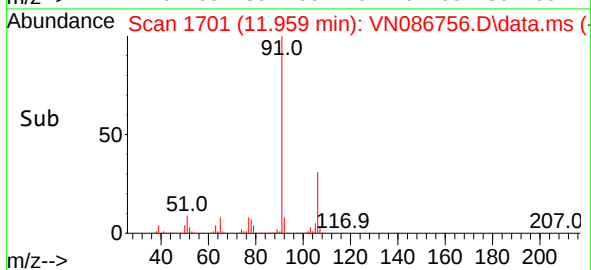
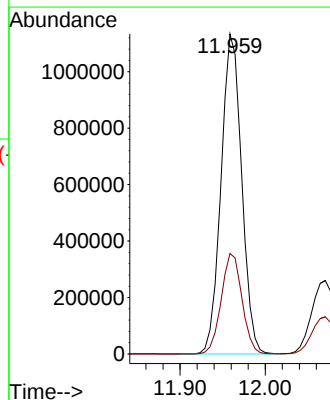
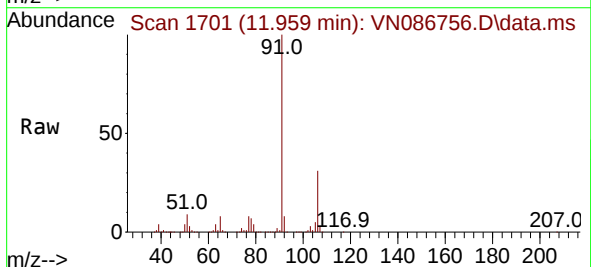
Instrument :
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WC-A4-04-GRE

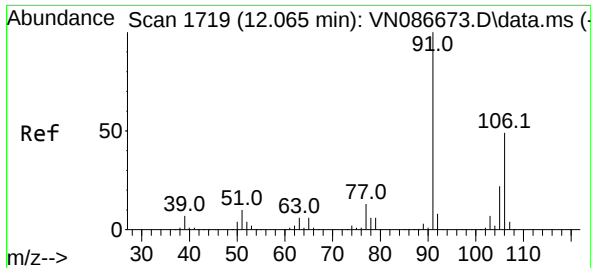
Tgt Ion:117 Resp: 419182
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 32.3 25.4 38.2



#67
Ethyl Benzene
Concen: 121.055 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

Tgt Ion: 91 Resp: 1905918
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8

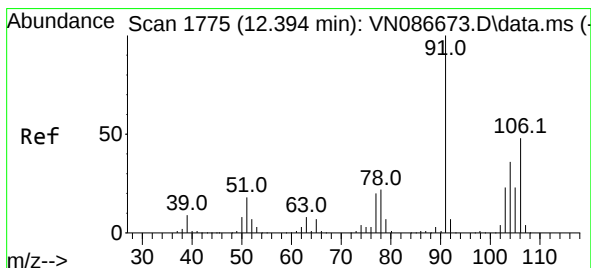
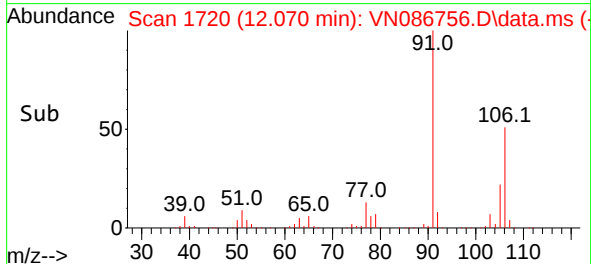
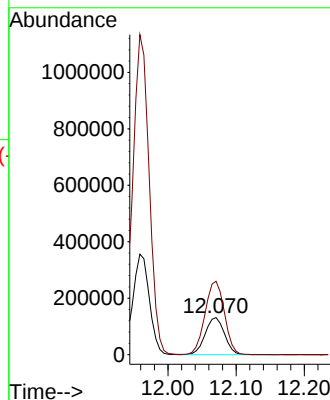
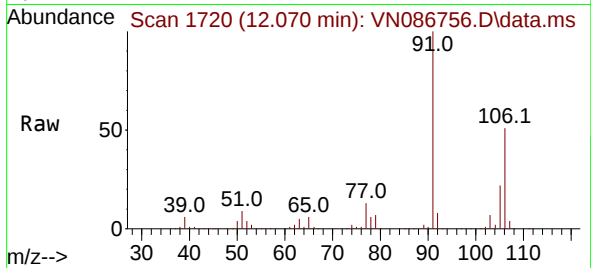




#68
m/p-Xylenes
Concen: 43.296 ug/l
RT: 12.070 min Scan# 1719
Delta R.T. 0.006 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

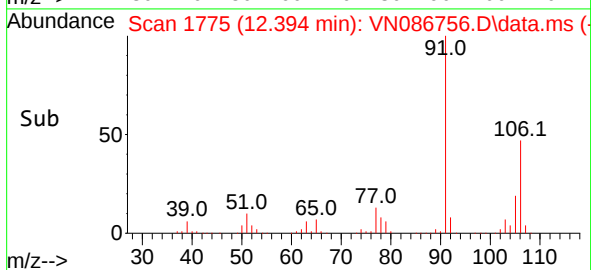
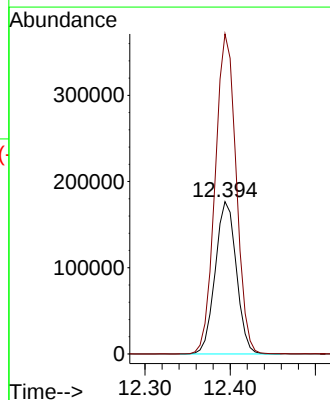
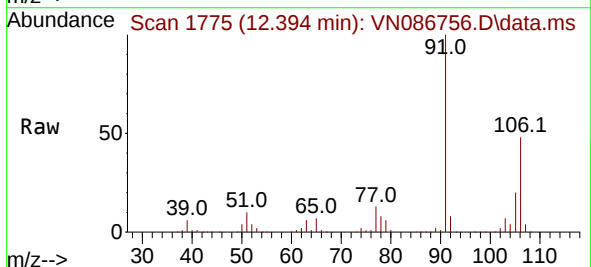
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-04-GRE

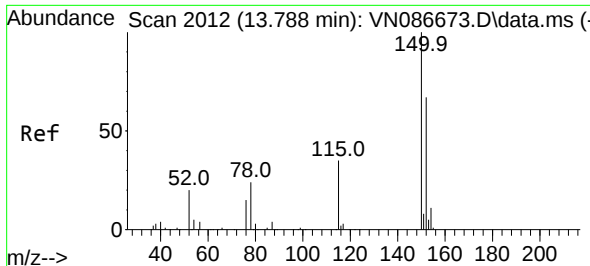
Tgt Ion:106 Resp: 258190
Ion Ratio Lower Upper
106 100
91 199.0 162.4 243.6



#69
o-Xylene
Concen: 51.253 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

Tgt Ion:106 Resp: 303861
Ion Ratio Lower Upper
106 100
91 209.7 105.1 315.1

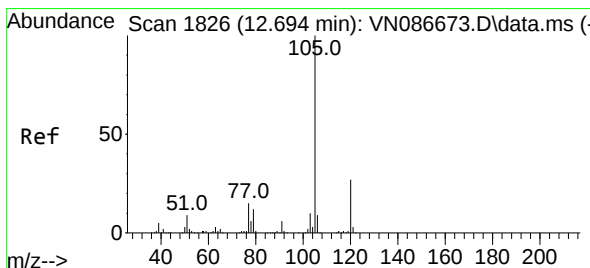
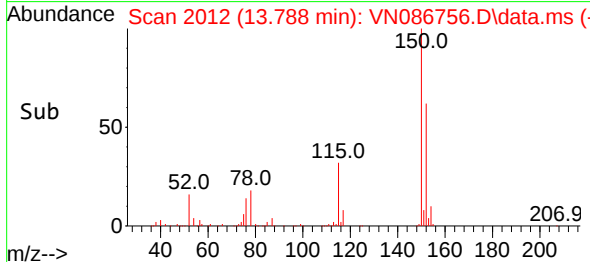
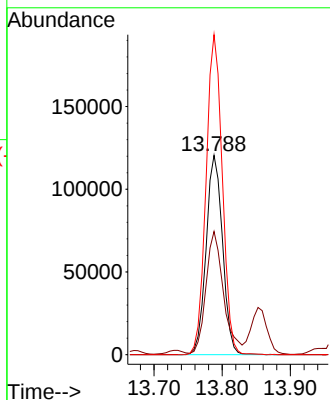
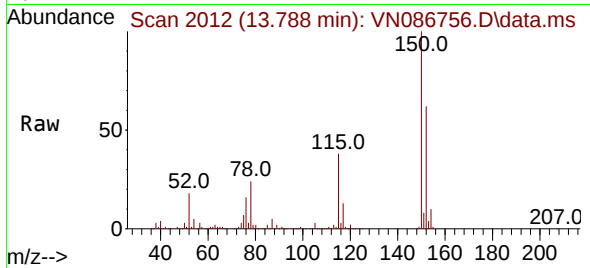




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

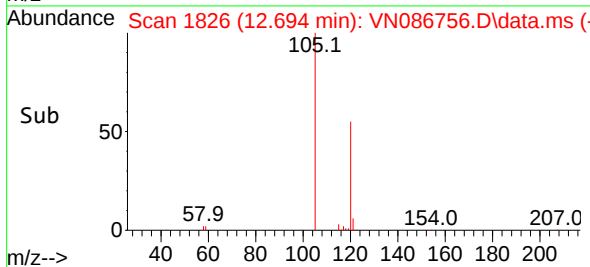
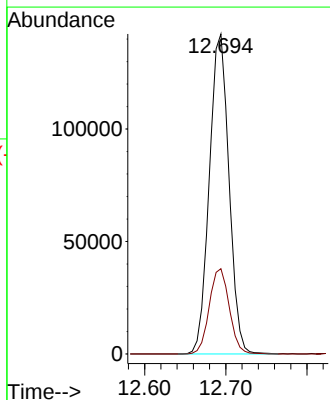
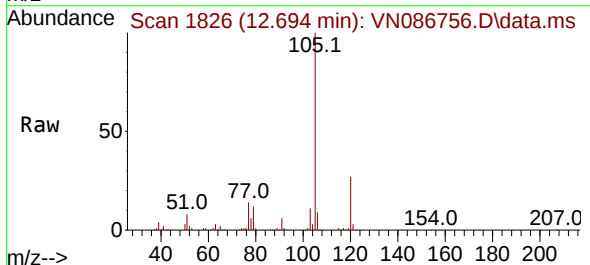
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-04-GRE

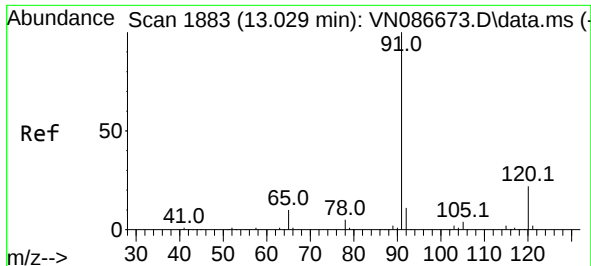
Tgt Ion:152 Resp: 202121
Ion Ratio Lower Upper
152 100
115 64.8 30.0 90.1
150 158.9 0.0 347.8



#73
Isopropylbenzene
Concen: 15.305 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

Tgt Ion:105 Resp: 238924
Ion Ratio Lower Upper
105 100
120 27.1 13.4 40.1

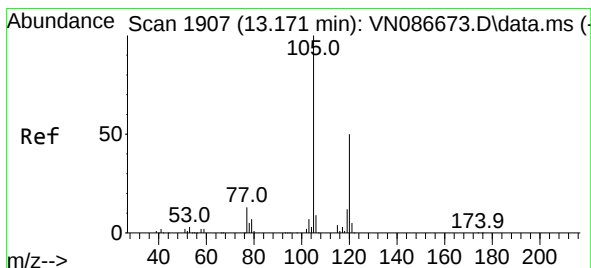
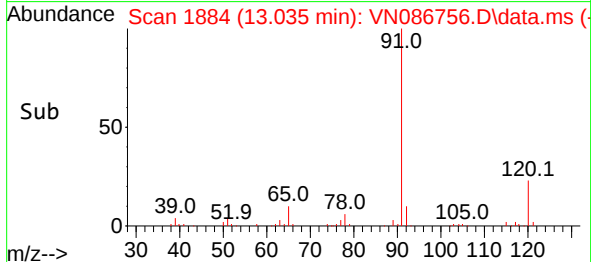
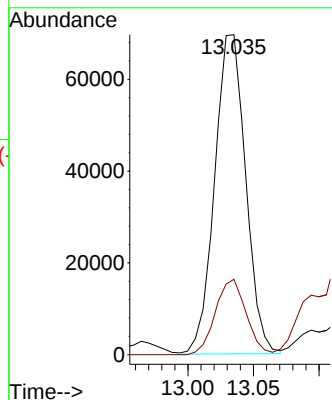
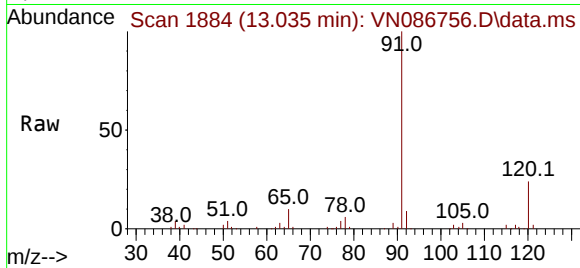




#78
n-propylbenzene
Concen: 6.396 ug/l
RT: 13.035 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

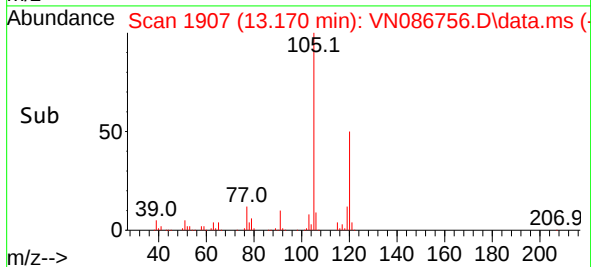
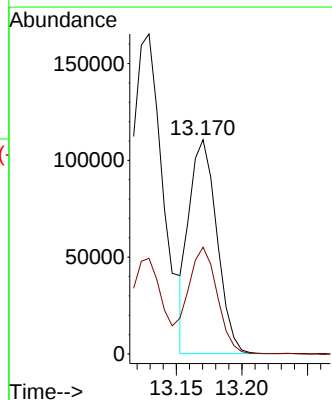
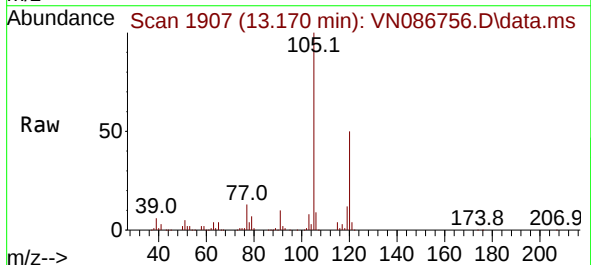
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-04-GRE

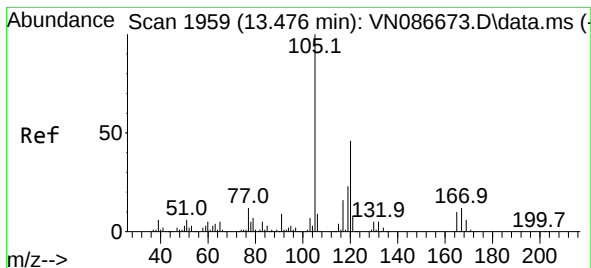
Tgt Ion: 91 Resp: 114578
Ion Ratio Lower Upper
91 100
120 23.3 11.4 34.1



#80
1,3,5-Trimethylbenzene
Concen: 12.940 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

Tgt Ion: 105 Resp: 161834
Ion Ratio Lower Upper
105 100
120 53.4 24.9 74.6





#84

1,2,4-Trimethylbenzene

Concen: 51.819 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN086756.D

Acq: 22 May 2025 11:06

Instrument :

MSVOA_N

ClientSampleId :

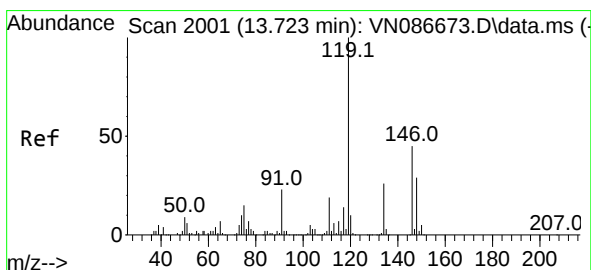
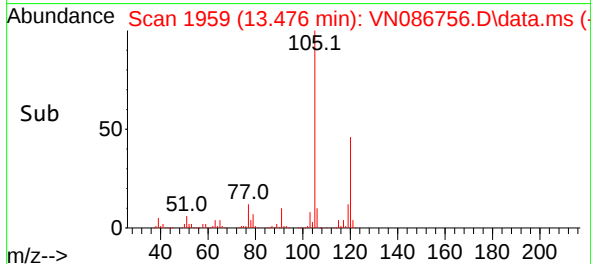
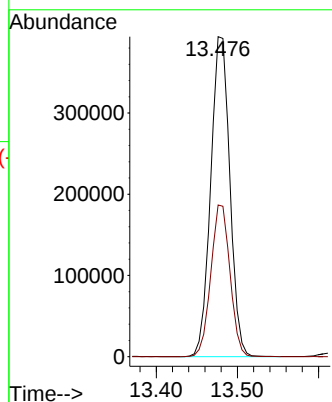
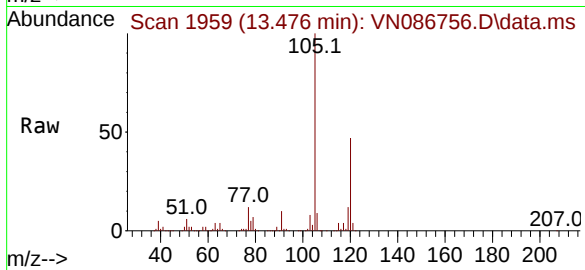
WC-A4-04-GRE

Tgt Ion:105 Resp: 645388

Ion Ratio Lower Upper

105 100

120 47.5 23.2 69.6



#86

p-Isopropyltoluene

Concen: 2.265 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VN086756.D

Acq: 22 May 2025 11:06

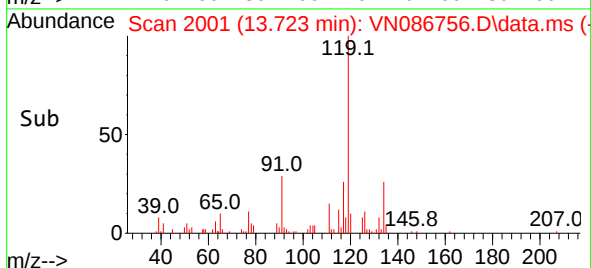
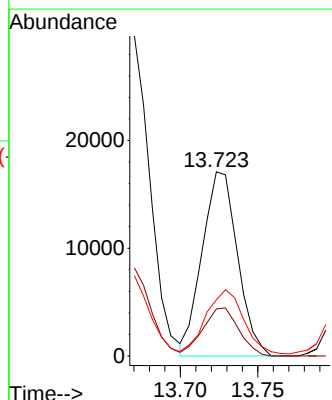
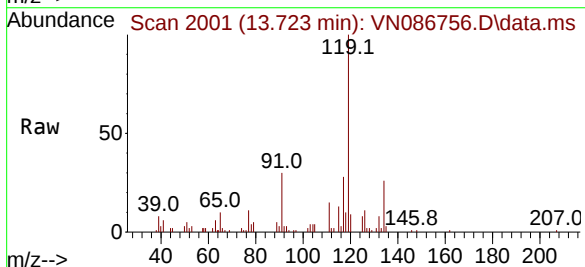
Tgt Ion:119 Resp: 27154

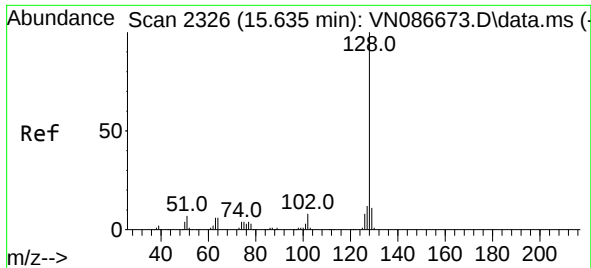
Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.1

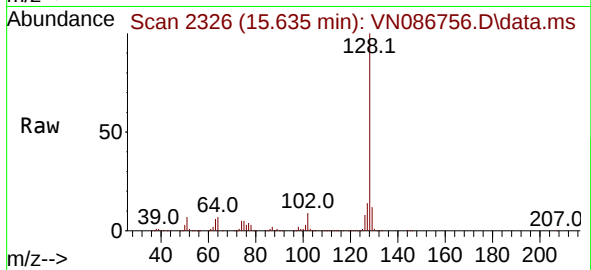
91 0.0 11.5 34.5#





#95
Naphthalene
Concen: 1846.577 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086756.D
Acq: 22 May 2025 11:06

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-04-GRE



Tgt Ion:128 Resp:17504109
Ion Ratio Lower Upper
128 100
127 13.7 10.1 15.1
129 11.7 8.6 13.0

