

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
 Data File : VN086759.D
 Acq On : 22 May 2025 12:19
 Operator : JC\MD
 Sample : Q2079-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A2-02-GRE

Quant Time: May 23 01:35:32 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

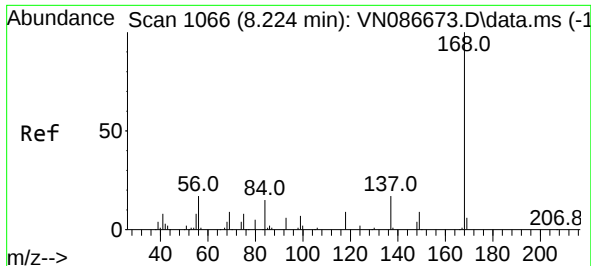
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	240014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	448142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	429564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	215128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	148846	44.880	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.760%
35) Dibromofluoromethane	8.159	113	98149	36.775	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	73.560%#
50) Toluene-d8	10.565	98	564324	51.024	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	102.040%
62) 4-Bromofluorobenzene	12.847	95	216407	55.415	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.820%
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	127358	102.657	ug/l	93
17) Carbon Disulfide	4.718	76	9136	1.233	ug/l	95
20) Methylene Chloride	5.277	84	7021	2.145	ug/l	97
40) Benzene	8.606	78	177441	13.817	ug/l	97
52) Toluene	10.629	92	113166	14.178	ug/l	99
67) Ethyl Benzene	11.959	91	2008953	124.516	ug/l	99
68) m/p-Xylenes	12.065	106	330474	54.078	ug/l	96
69) o-Xylene	12.394	106	322205	53.034	ug/l	99
73) Isopropylbenzene	12.694	105	161244	9.705	ug/l	100
78) n-propylbenzene	13.029	91	54831	2.876	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	113920	8.558	ug/l	93
84) 1,2,4-Trimethylbenzene	13.476	105	452648	34.146	ug/l	99
86) p-Isopropyltoluene	13.723	119	19133	1.500	ug/l #	77
95) Naphthalene	15.635	128	17938476	1777.983	ug/l	97

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

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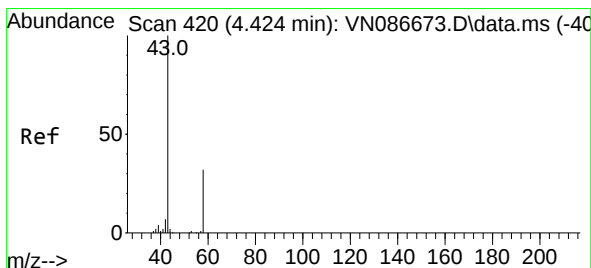
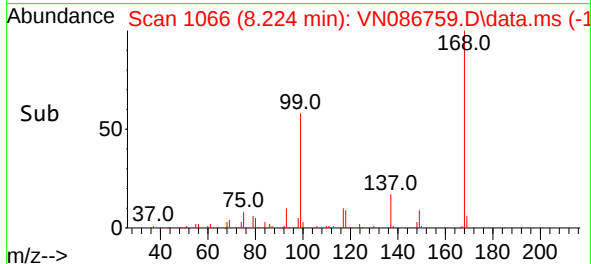
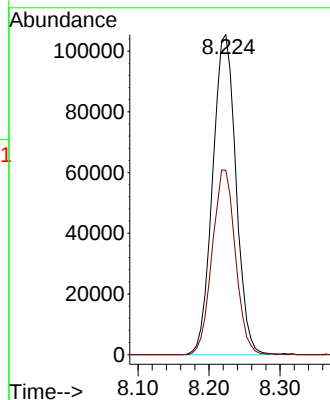
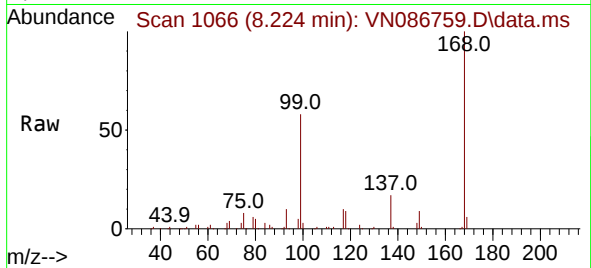




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

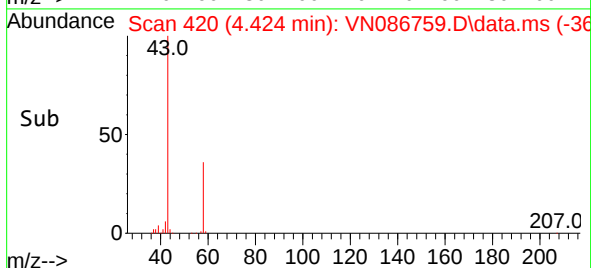
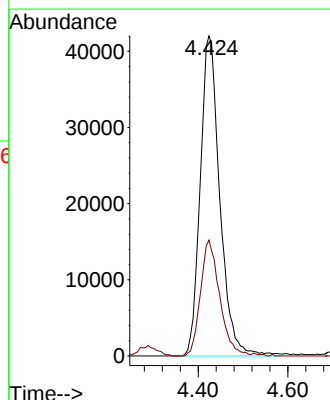
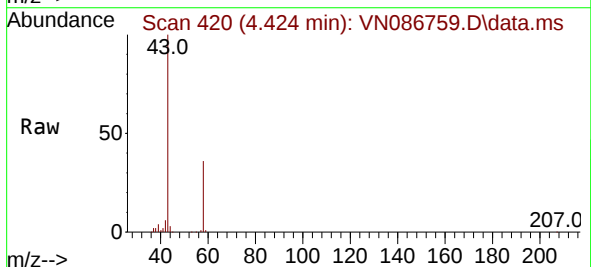
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-GRE

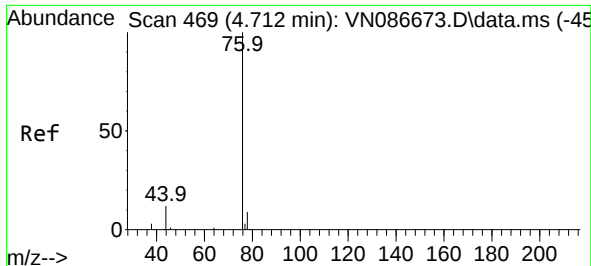
Tgt Ion:168 Resp: 240014
Ion Ratio Lower Upper
168 100
99 57.7 47.0 70.4



#16
Acetone
Concen: 102.657 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

Tgt Ion: 43 Resp: 127358
Ion Ratio Lower Upper
43 100
58 36.2 25.8 38.6

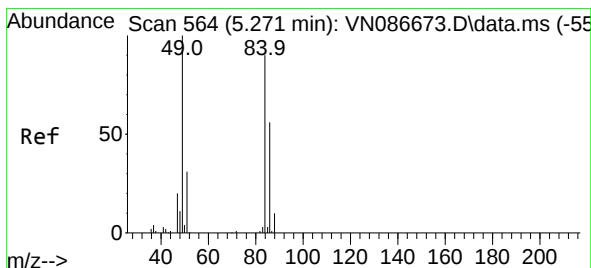
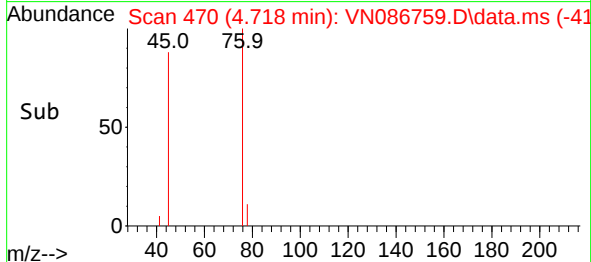
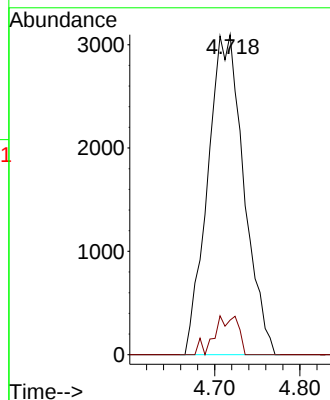
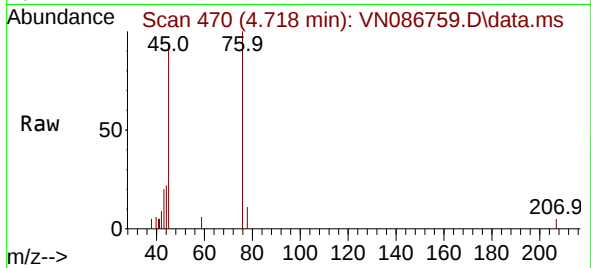




#17
Carbon Disulfide
Concen: 1.233 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

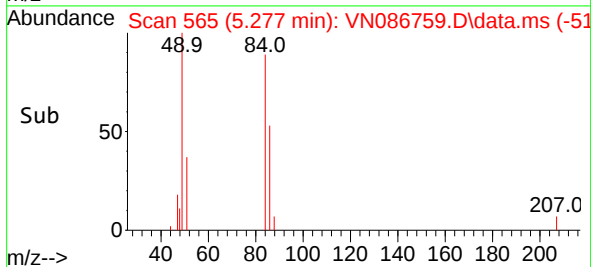
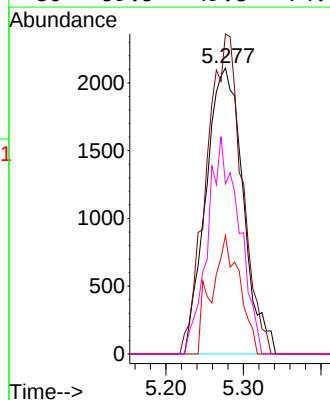
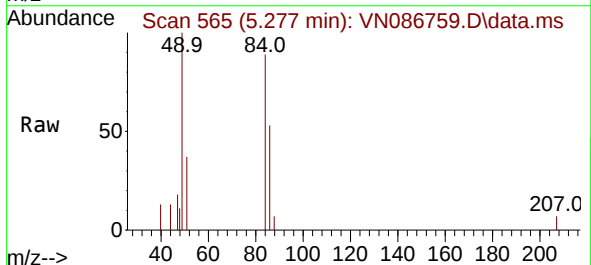
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-GRE

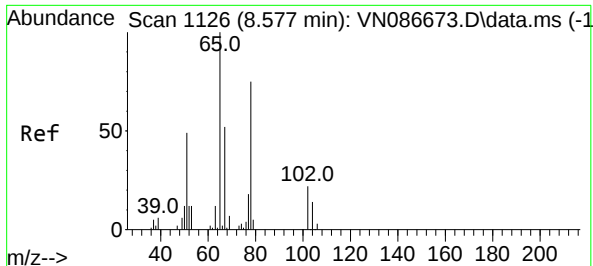
Tgt Ion: 76 Resp: 9136
Ion Ratio Lower Upper
76 100
78 10.8 7.3 10.9



#20
Methylene Chloride
Concen: 2.145 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

Tgt Ion: 84 Resp: 7021
Ion Ratio Lower Upper
84 100
49 111.9 88.8 133.2
51 41.4 27.8 41.6
86 59.5 49.8 74.6





#33

1,2-Dichloroethane-d4

Concen: 44.880 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086759.D

Acq: 22 May 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

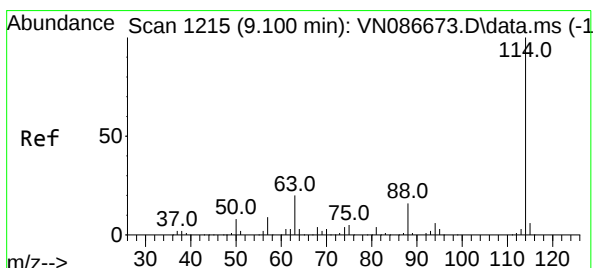
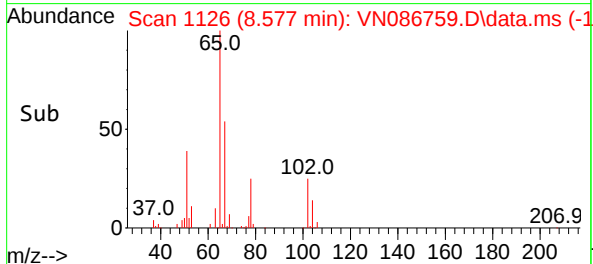
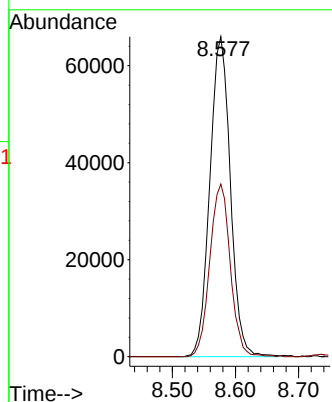
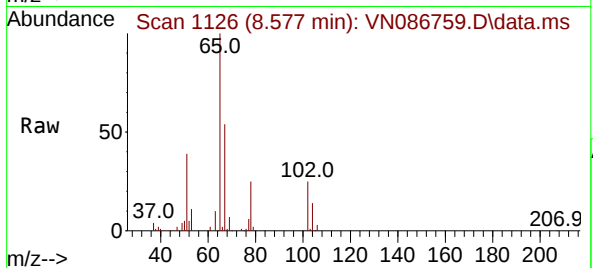
WC-A2-02-GRE

Tgt Ion: 65 Resp: 148846

Ion Ratio Lower Upper

65 100

67 53.8 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086759.D

Acq: 22 May 2025 12:19

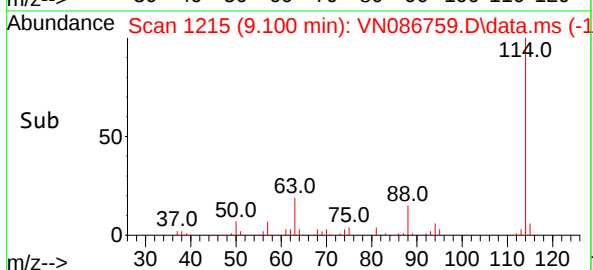
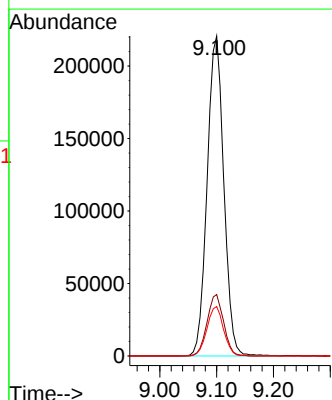
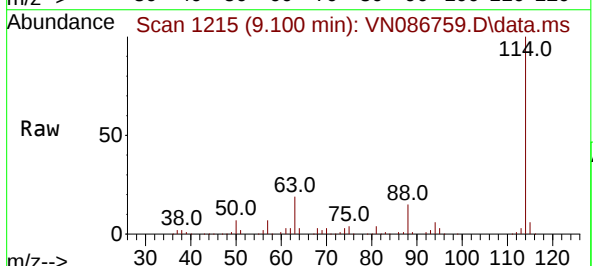
Tgt Ion: 114 Resp: 448142

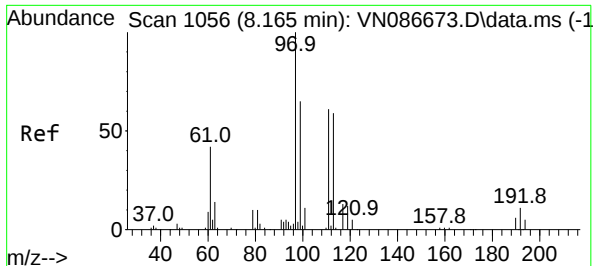
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.2

88 15.4 0.0 31.2





#35

Dibromofluoromethane

Concen: 36.775 ug/l

RT: 8.159 min Scan# 1105

Delta R.T. -0.006 min

Lab File: VN086759.D

Acq: 22 May 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-02-GRE

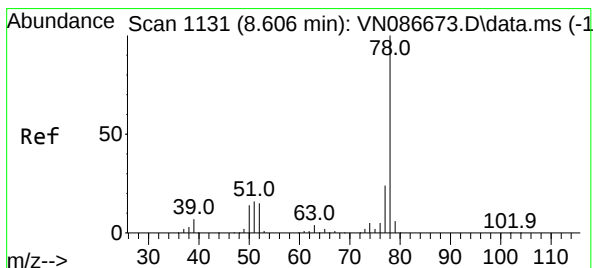
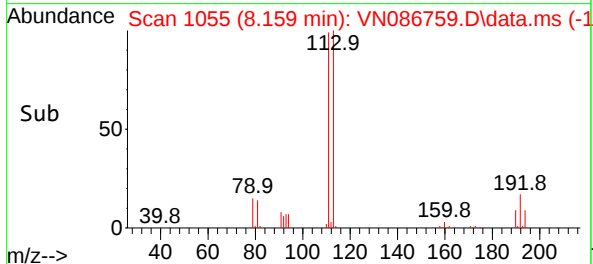
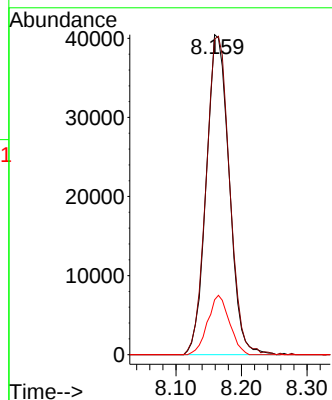
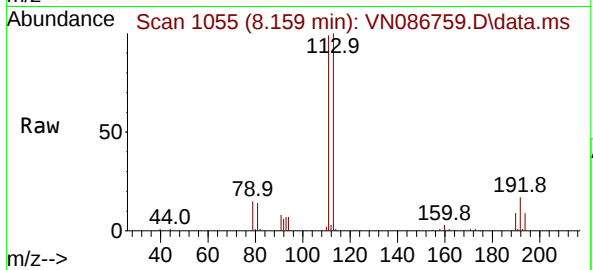
Tgt Ion:113 Resp: 98149

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.2

192 17.6 13.8 20.8



#40

Benzene

Concen: 13.817 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VN086759.D

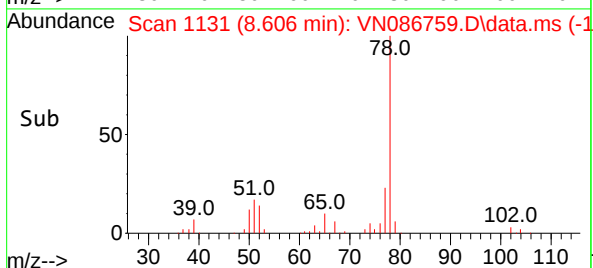
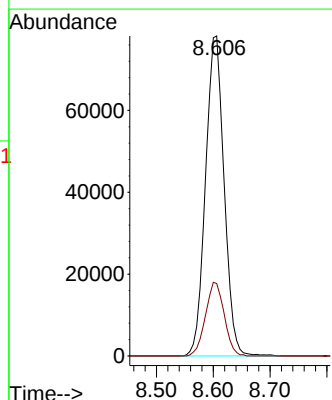
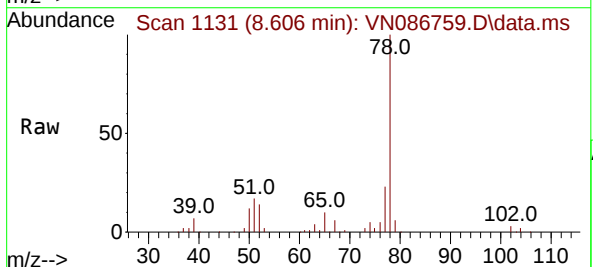
Acq: 22 May 2025 12:19

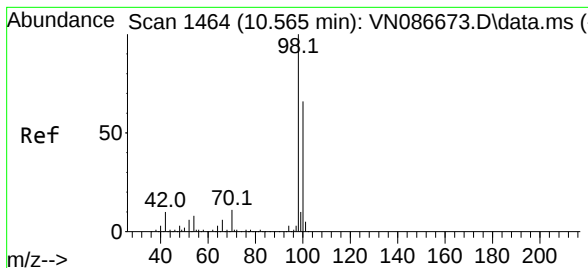
Tgt Ion: 78 Resp: 177441

Ion Ratio Lower Upper

78 100

77 22.6 19.1 28.7

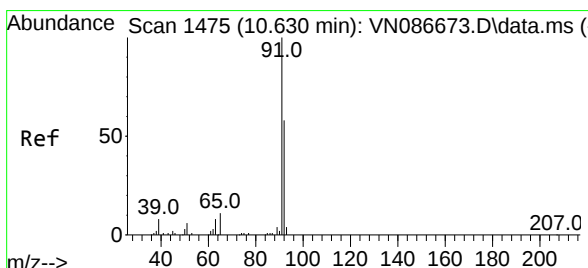
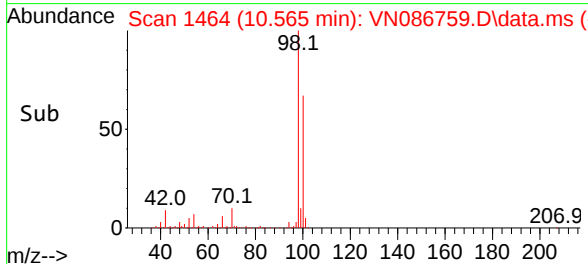
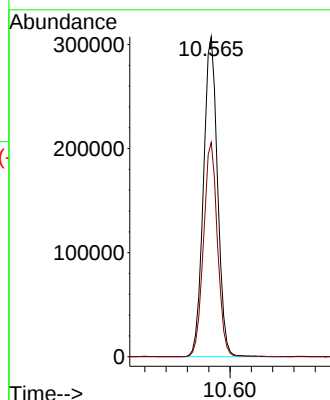
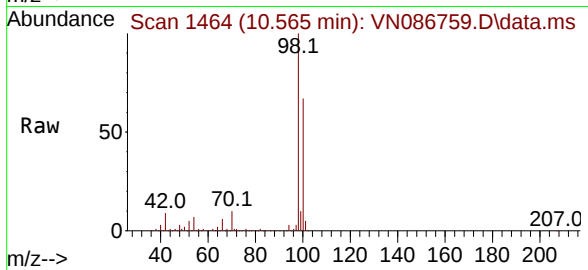




#50
Toluene-d8
Concen: 51.024 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

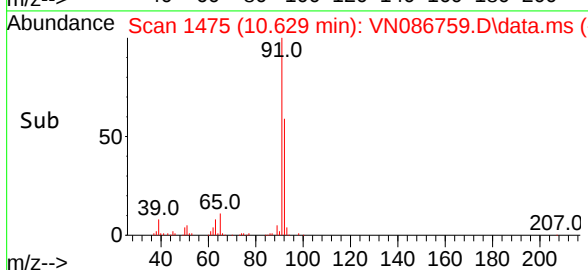
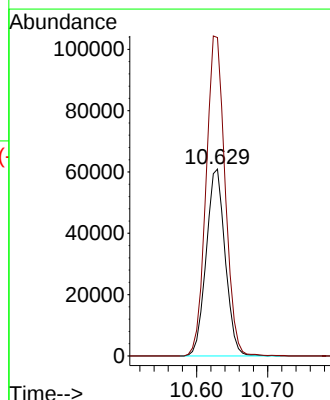
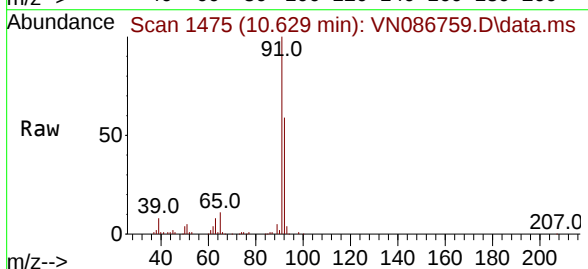
Instrument :
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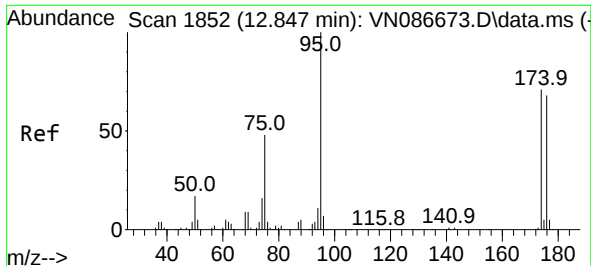
Tgt Ion: 98 Resp: 564324
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3



#52
Toluene
Concen: 14.178 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

Tgt Ion: 92 Resp: 113166
Ion Ratio Lower Upper
92 100
91 171.5 137.8 206.8

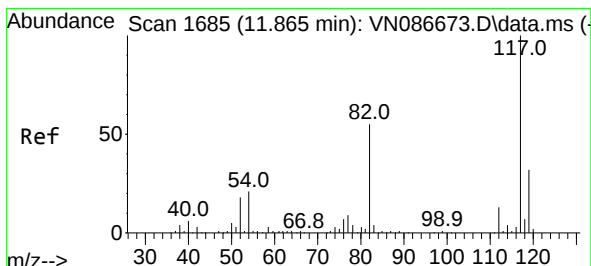
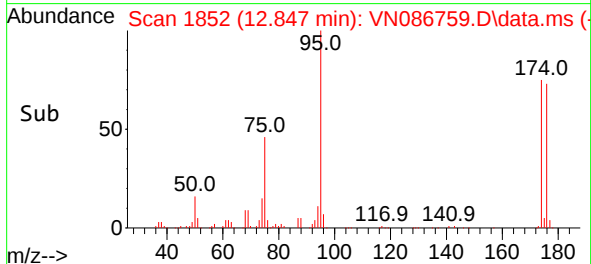
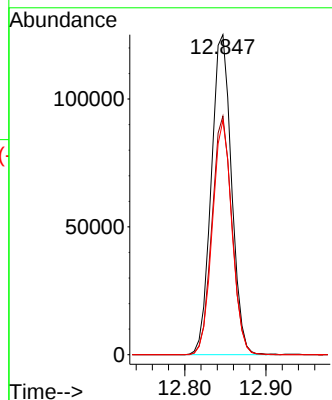
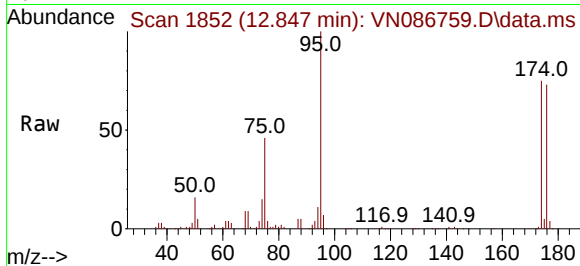




#62
4-Bromofluorobenzene
Concen: 55.415 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

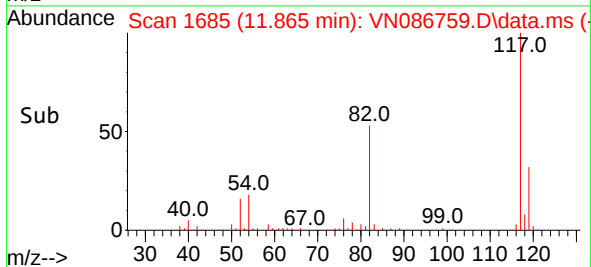
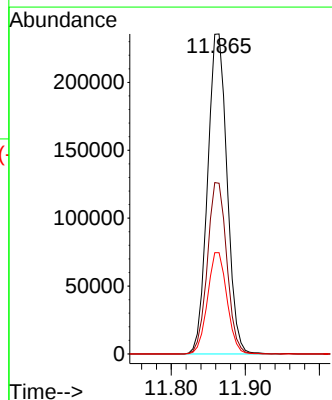
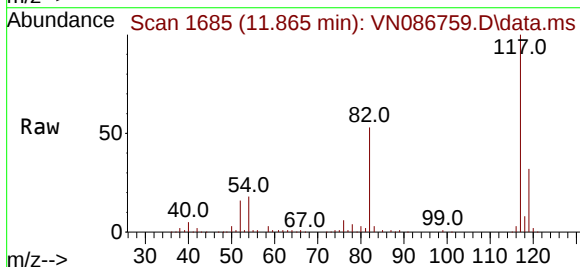
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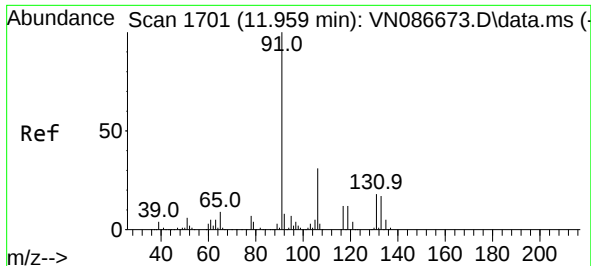
Tgt Ion: 95 Resp: 216407
Ion Ratio Lower Upper
95 100
174 73.5 0.0 145.4
176 71.0 0.0 137.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

Tgt Ion: 117 Resp: 429564
Ion Ratio Lower Upper
117 100
82 53.4 44.2 66.2
119 31.7 25.4 38.2

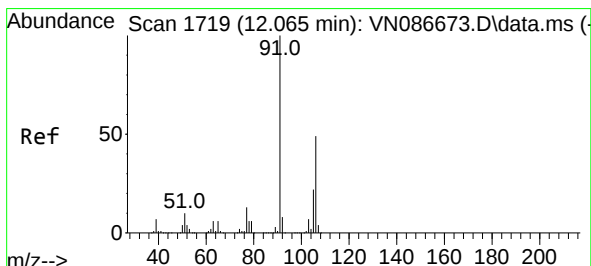
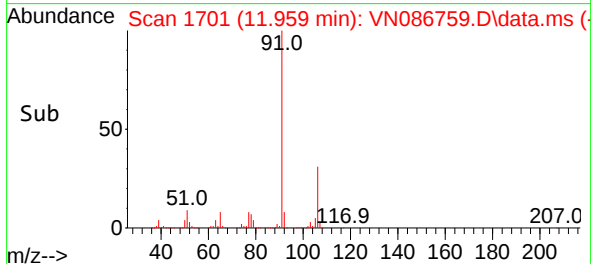
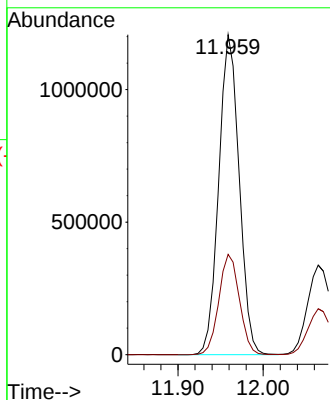
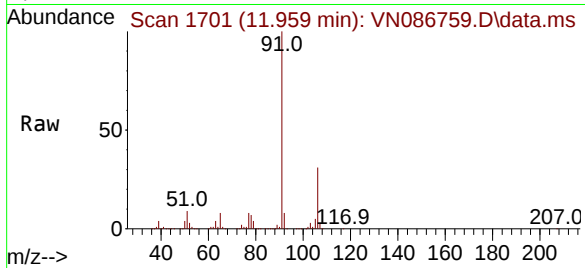




#67
Ethyl Benzene
Concen: 124.516 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

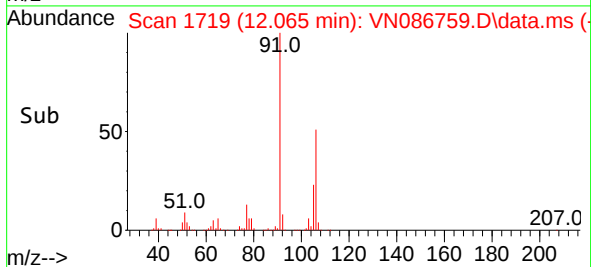
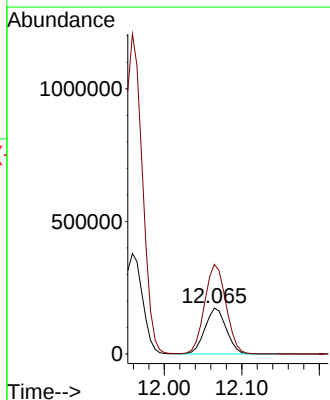
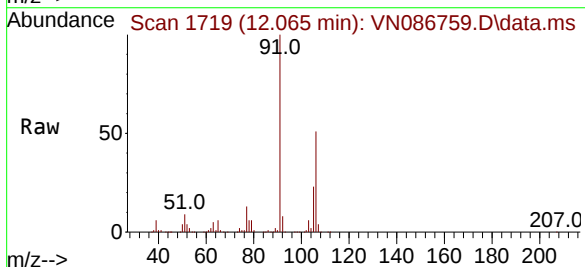
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-02-GRE

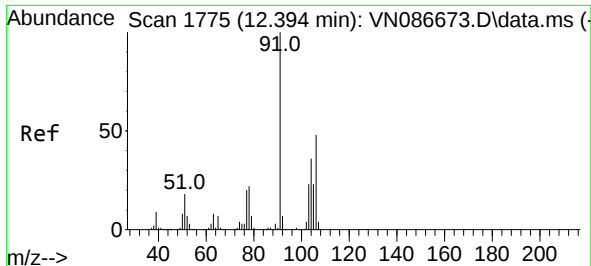
Tgt Ion: 91 Resp: 2008953
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8



#68
m/p-Xylenes
Concen: 54.078 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

Tgt Ion:106 Resp: 330474
Ion Ratio Lower Upper
106 100
91 196.7 162.4 243.6

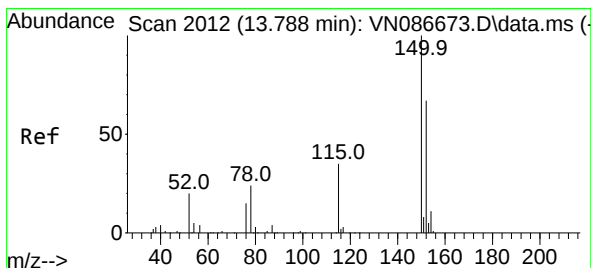
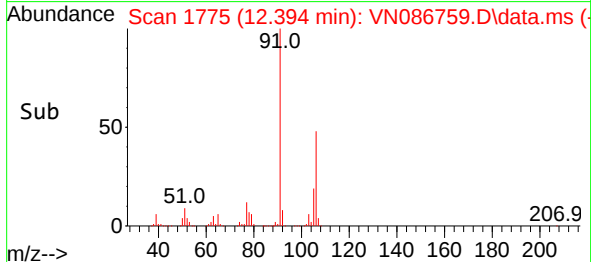
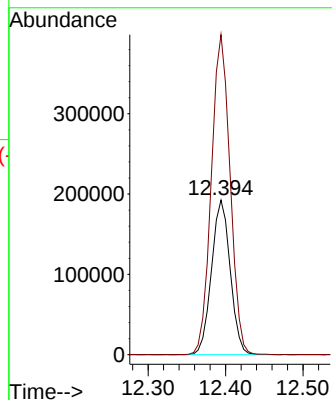
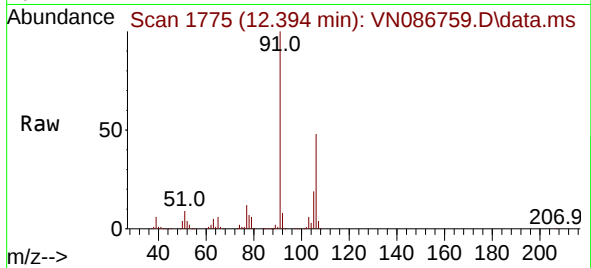




#69
o-Xylene
Concen: 53.034 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

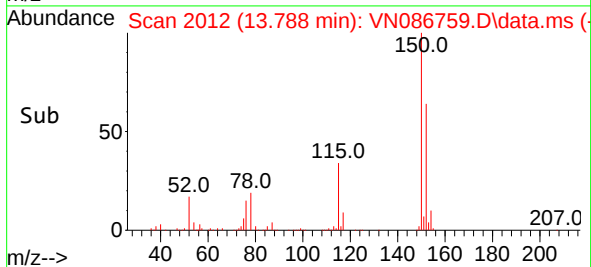
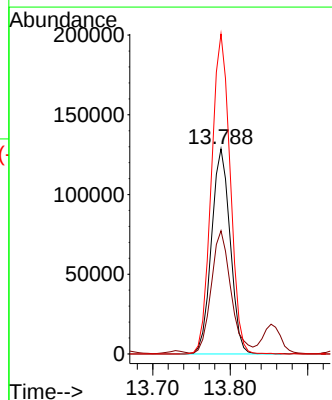
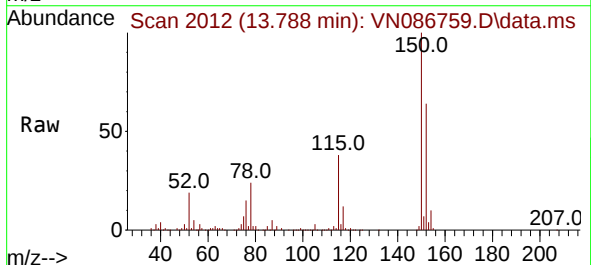
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MSVOA_N
ClientSampleId :
WC-A2-02-GRE

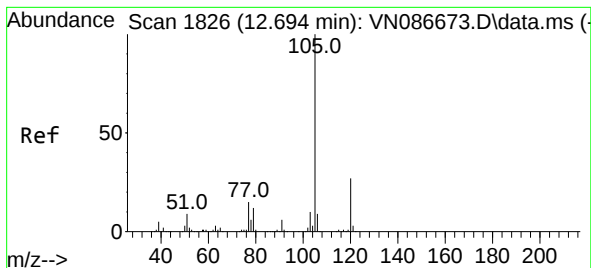
Tgt Ion:106 Resp: 322205
Ion Ratio Lower Upper
106 100
91 208.5 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN086759.D
Acq: 22 May 2025 12:19

Tgt Ion:152 Resp: 215128
Ion Ratio Lower Upper
152 100
115 62.7 30.0 90.1
150 157.0 0.0 347.8





#73

Isopropylbenzene

Concen: 9.705 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN086759.D

Acq: 22 May 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

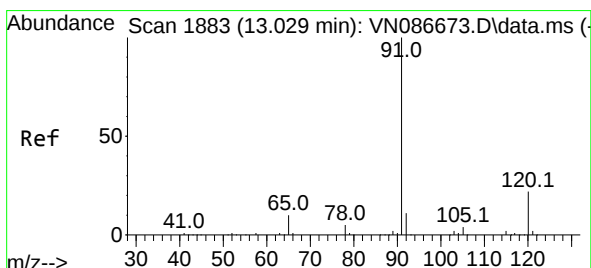
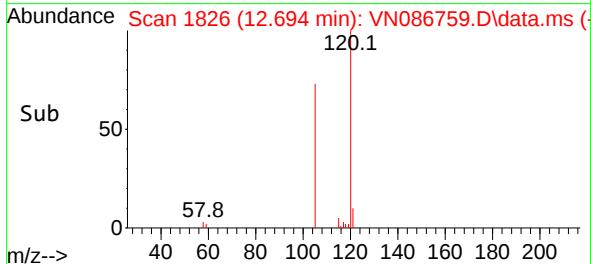
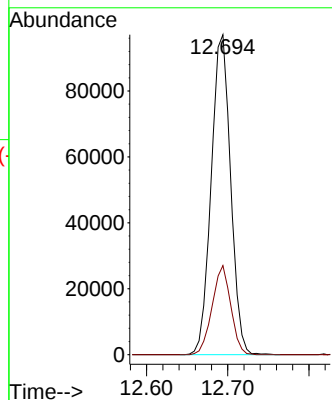
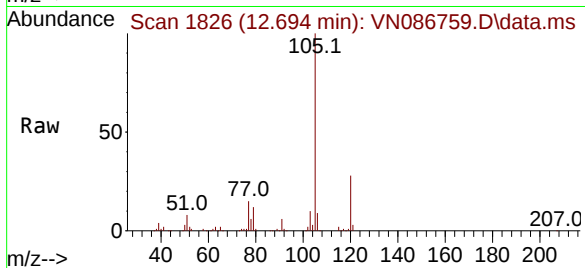
WC-A2-02-GRE

Tgt Ion:105 Resp: 161244

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1



#78

n-propylbenzene

Concen: 2.876 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.000 min

Lab File: VN086759.D

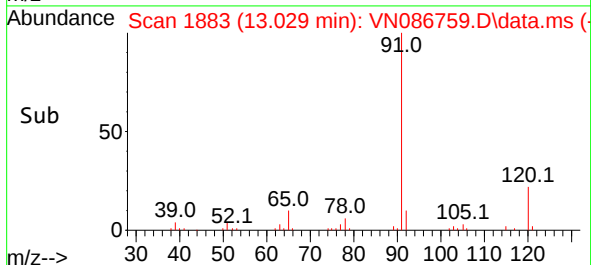
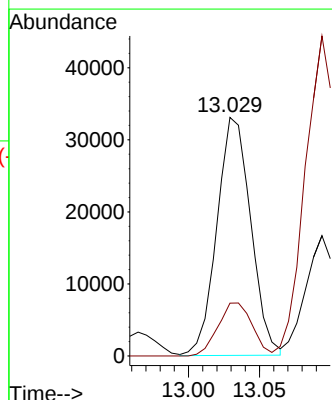
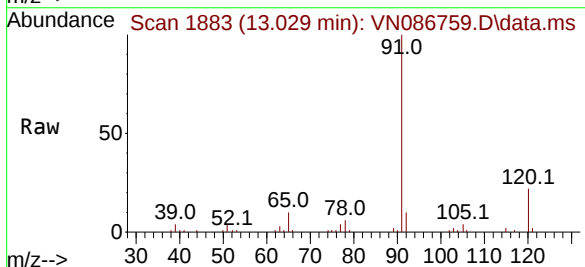
Acq: 22 May 2025 12:19

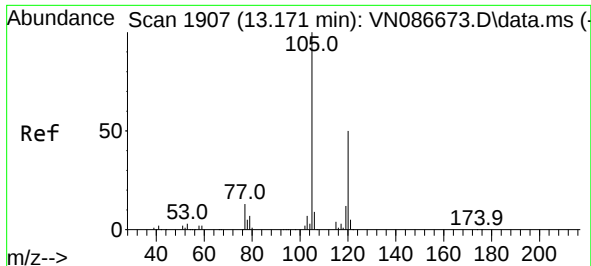
Tgt Ion: 91 Resp: 54831

Ion Ratio Lower Upper

91 100

120 22.6 11.4 34.1

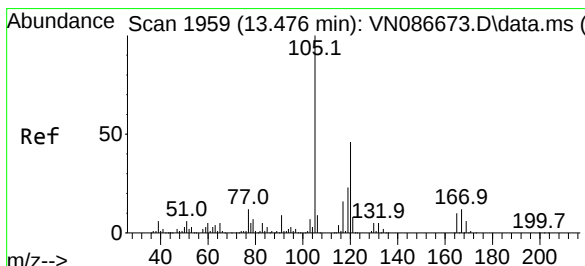
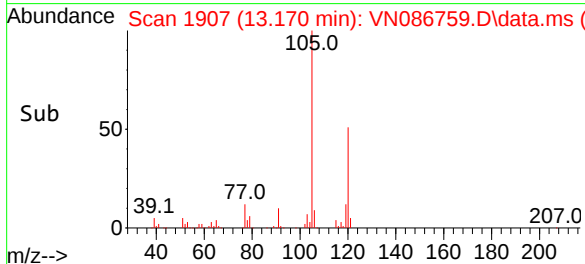
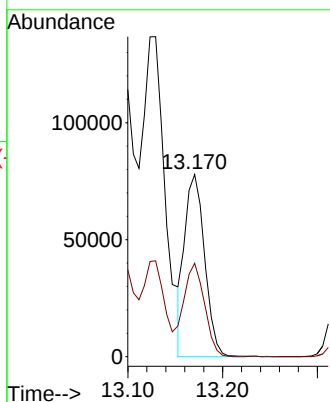
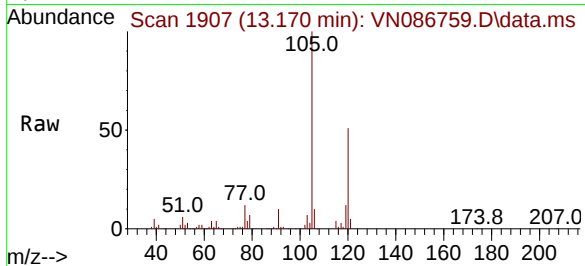




#80
 1,3,5-Trimethylbenzene
 Concen: 8.558 ug/l
 RT: 13.170 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VN086759.D
 Acq: 22 May 2025 12:19

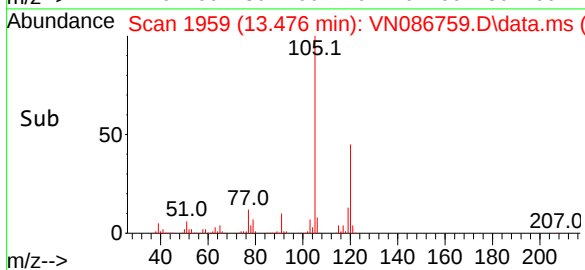
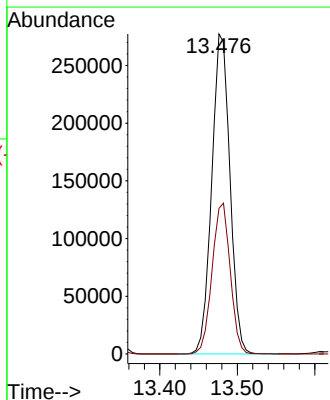
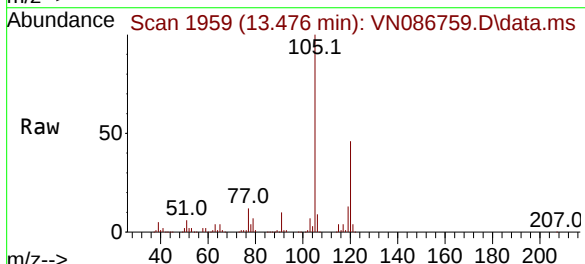
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A2-02-GRE

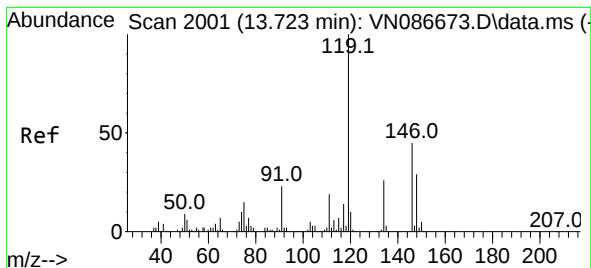
Tgt Ion:105 Resp: 113920
 Ion Ratio Lower Upper
 105 100
 120 54.5 24.9 74.6



#84
 1,2,4-Trimethylbenzene
 Concen: 34.146 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.000 min
 Lab File: VN086759.D
 Acq: 22 May 2025 12:19

Tgt Ion:105 Resp: 452648
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.2 69.6





#86

p-Isopropyltoluene

Concen: 1.500 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VN086759.D

Acq: 22 May 2025 12:19

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-02-GRE

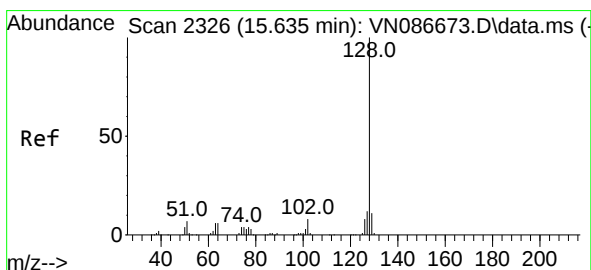
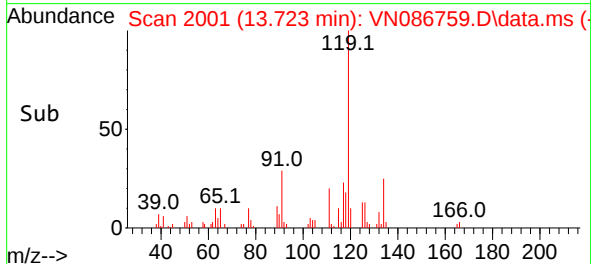
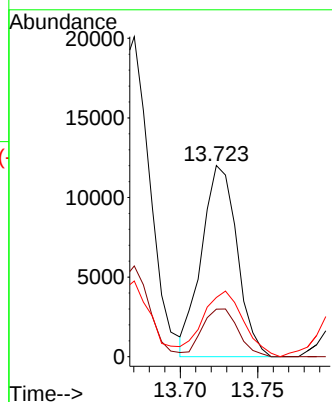
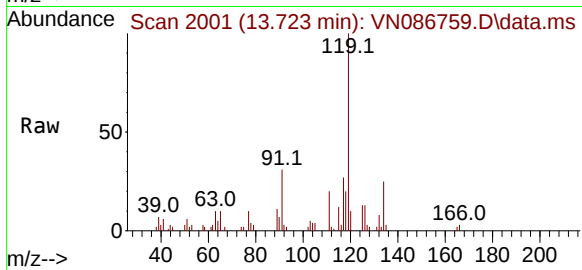
Tgt Ion:119 Resp: 19133

Ion Ratio Lower Upper

119 100

134 25.3 13.1 39.1

91 0.0 11.5 34.5#



#95

Naphthalene

Concen: 1777.983 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. -0.000 min

Lab File: VN086759.D

Acq: 22 May 2025 12:19

Tgt Ion:128 Resp:17938476

Ion Ratio Lower Upper

128 100

127 14.0 10.1 15.1

129 12.0 8.6 13.0

