

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086733.D
 Acq On : 21 May 2025 15:53
 Operator : JC\MD
 Sample : Q2078-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A1-07A-G

Quant Time: May 22 01:25:21 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

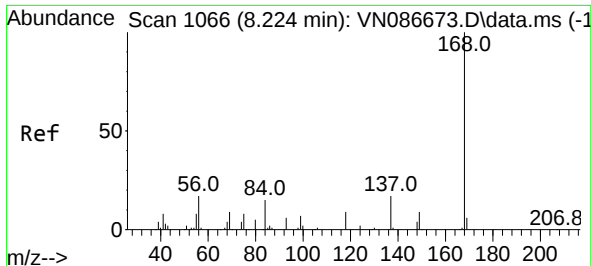
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.218	168	234416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	437534	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	418623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	203184	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	145922	45.049	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.100%		
35) Dibromofluoromethane	8.165	113	105781	40.596	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	81.200%		
50) Toluene-d8	10.565	98	554512	51.353	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.700%		
62) 4-Bromofluorobenzene	12.847	95	205416	53.876	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	107.760%		
Target Compounds					Qvalue	
16) Acetone	4.424	43	57375	47.352	ug/l	97
17) Carbon Disulfide	4.718	76	17401	2.404	ug/l #	92
20) Methylene Chloride	5.271	84	4600	1.439	ug/l #	84
25) 2-Butanone	7.483	43	11042	5.897	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	4532	1.336	ug/l	85
40) Benzene	8.600	78	152017	12.124	ug/l	99
52) Toluene	10.624	92	94262	12.096	ug/l	100
67) Ethyl Benzene	11.959	91	1538504	97.849	ug/l	98
68) m/p-Xylenes	12.065	106	263247	44.203	ug/l	97
69) o-Xylene	12.394	106	255143	43.093	ug/l	99
73) Isopropylbenzene	12.694	105	132083	8.417	ug/l	99
78) n-propylbenzene	13.029	91	45800	2.543	ug/l	95
80) 1,3,5-Trimethylbenzene	13.170	105	92994	7.396	ug/l	92
84) 1,2,4-Trimethylbenzene	13.476	105	362977	28.991	ug/l	100
86) p-Isopropyltoluene	13.723	119	19287	1.600	ug/l #	78
95) Naphthalene	15.635	128	13179325	1383.065	ug/l	98

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

Quant Time: May 22 01:25:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051625W.M
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Response via : Initial Calibration

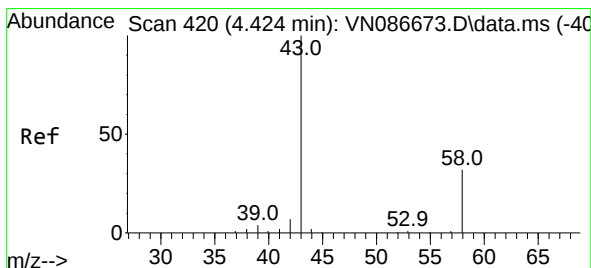
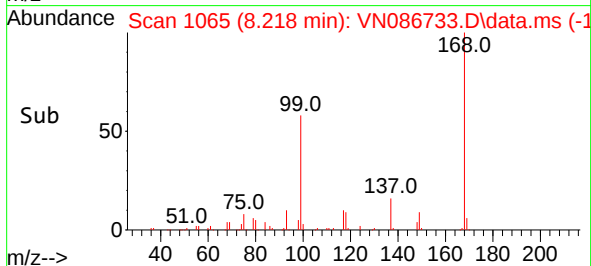
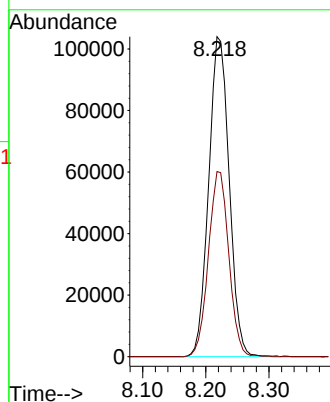
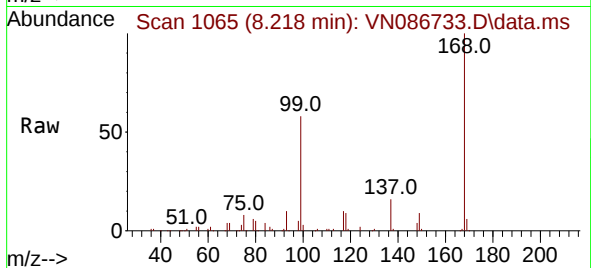




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN086733.D
Acq: 21 May 2025 15:53

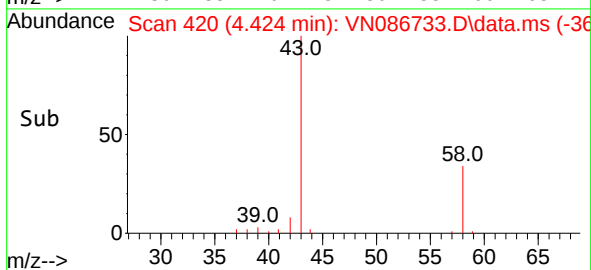
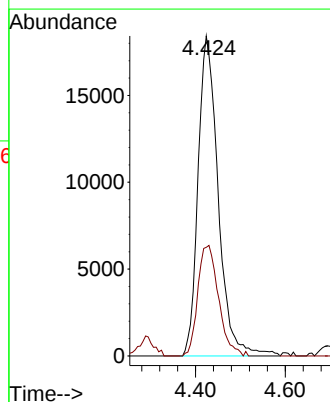
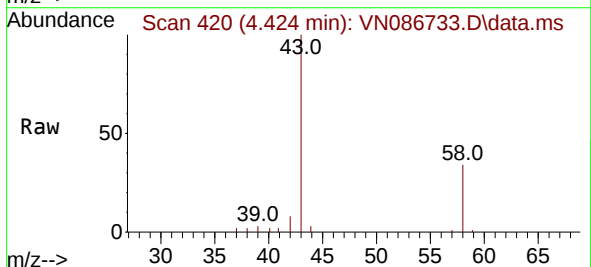
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-07A-G

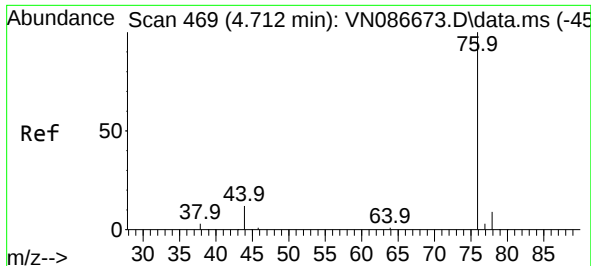
Tgt Ion:168 Resp: 234416
Ion Ratio Lower Upper
168 100
99 57.9 47.0 70.4



#16
Acetone
Concen: 47.352 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086733.D
Acq: 21 May 2025 15:53

Tgt Ion: 43 Resp: 57375
Ion Ratio Lower Upper
43 100
58 34.0 25.8 38.6

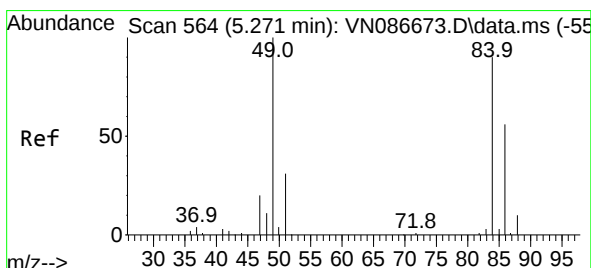
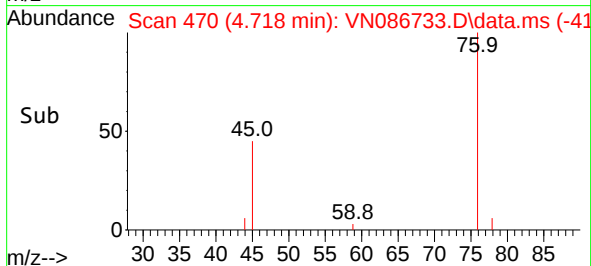
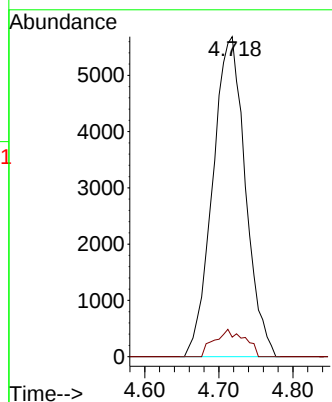
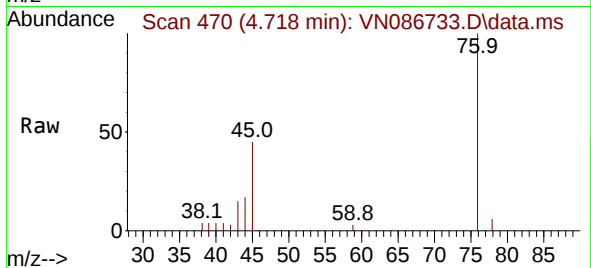




#17
Carbon Disulfide
Concen: 2.404 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086733.D
Acq: 21 May 2025 15:53

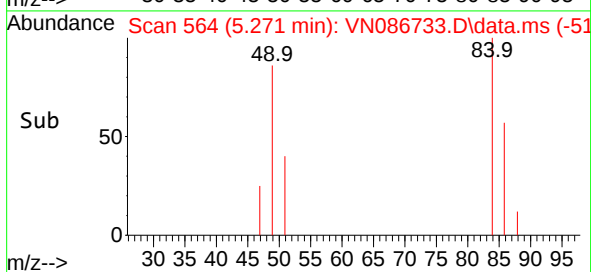
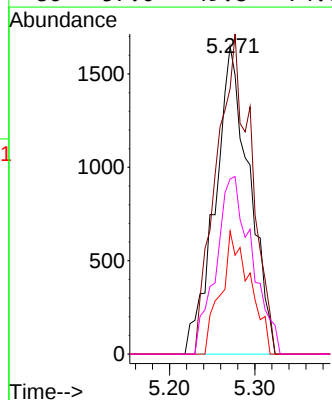
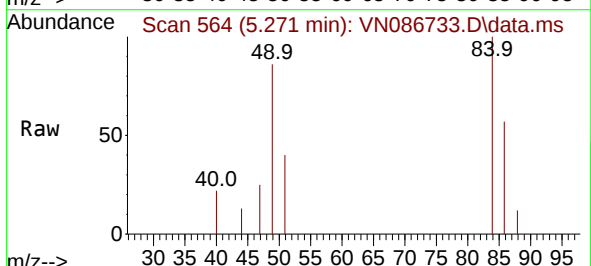
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-07A-G

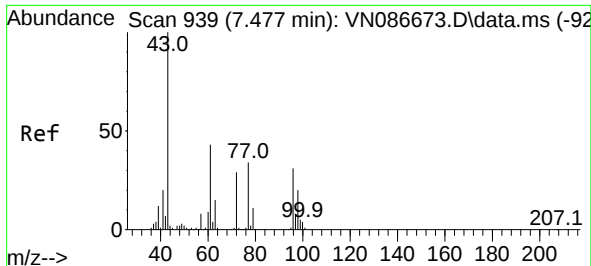
Tgt Ion: 76 Resp: 17401
Ion Ratio Lower Upper
76 100
78 6.1 7.3 10.9#



#20
Methylene Chloride
Concen: 1.439 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086733.D
Acq: 21 May 2025 15:53

Tgt Ion: 84 Resp: 4600
Ion Ratio Lower Upper
84 100
49 86.3 88.8 133.2#
51 40.0 27.8 41.6
86 57.0 49.8 74.6

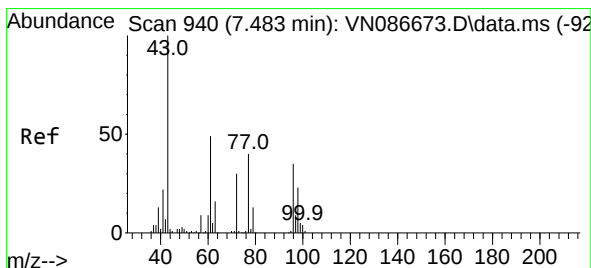
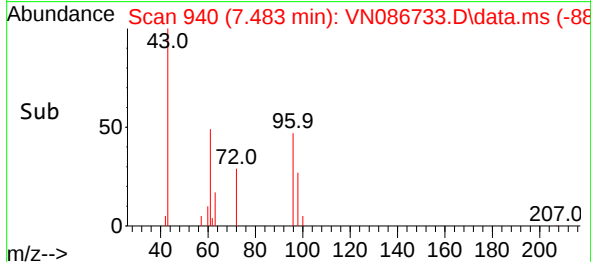
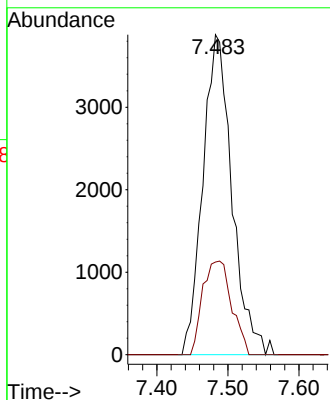
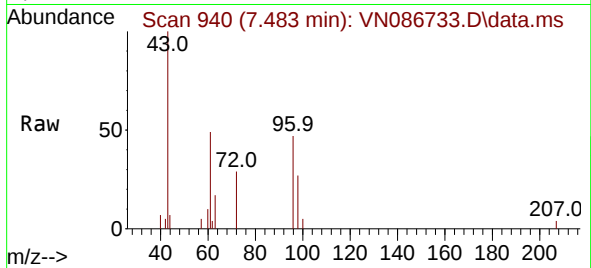




#25
2-Butanone
Concen: 5.897 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086733.D
Acq: 21 May 2025 15:53

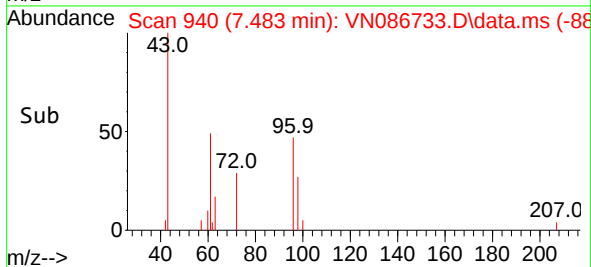
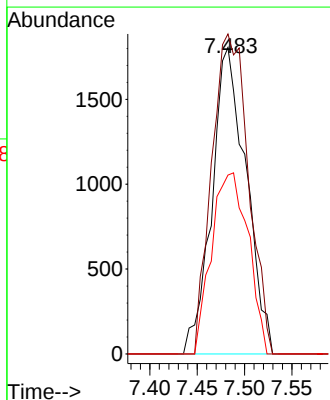
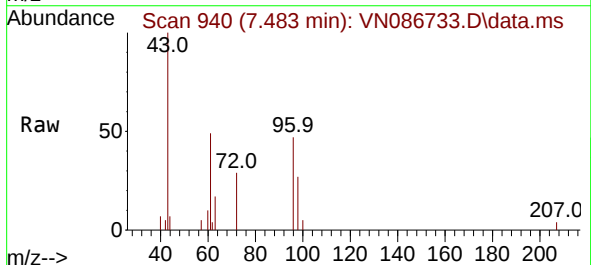
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-07A-G

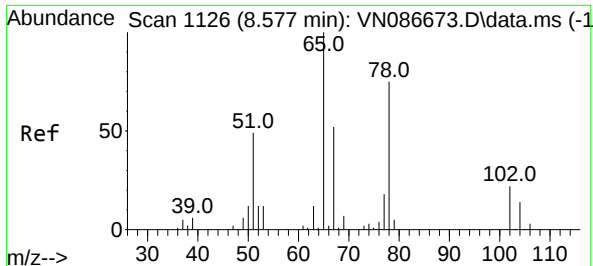
Tgt Ion: 43 Resp: 11042
Ion Ratio Lower Upper
43 100
72 29.0 23.1 34.7



#27
cis-1,2-Dichloroethene
Concen: 1.336 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086733.D
Acq: 21 May 2025 15:53

Tgt Ion: 96 Resp: 4532
Ion Ratio Lower Upper
96 100
61 112.4 0.0 277.4
98 63.5 0.0 129.6





#33

1,2-Dichloroethane-d4

Concen: 45.049 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086733.D

Acq: 21 May 2025 15:53

Instrument :

MSVOA_N

ClientSampleId :

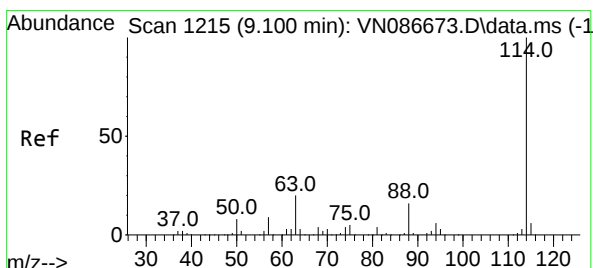
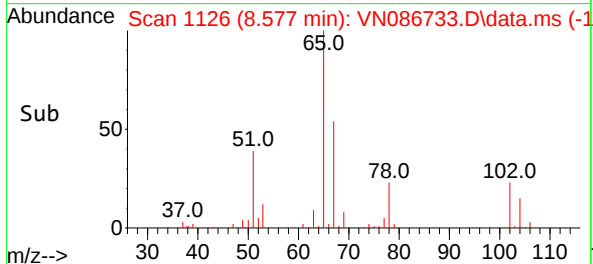
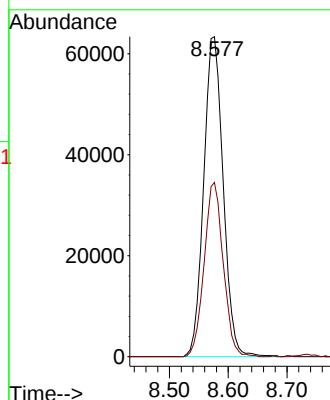
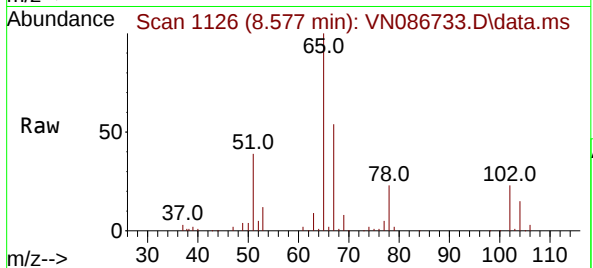
WC-A1-07A-G

Tgt Ion: 65 Resp: 145922

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# 1215

Delta R.T. -0.000 min

Lab File: VN086733.D

Acq: 21 May 2025 15:53

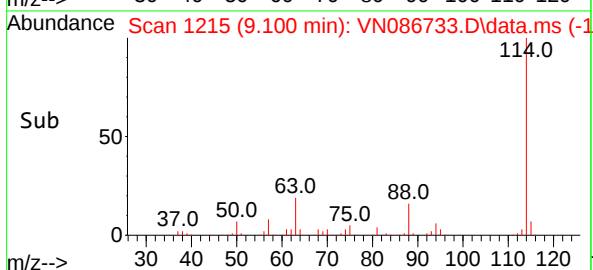
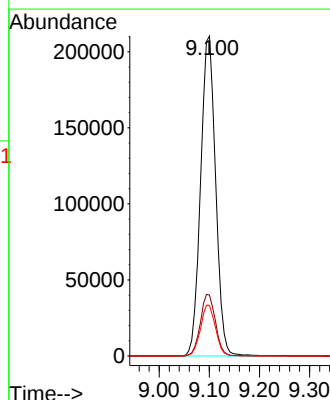
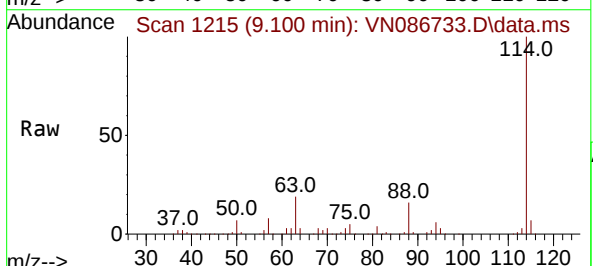
Tgt Ion: 114 Resp: 437534

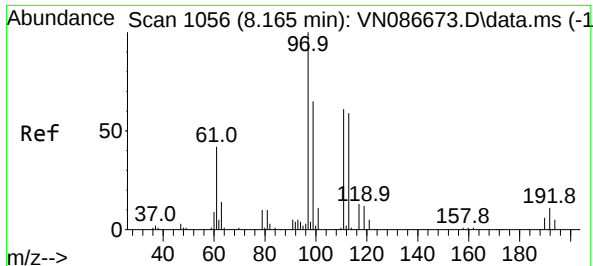
Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.2

88 15.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 40.596 ug/l

RT: 8.165 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VN086733.D

Acq: 21 May 2025 15:53

Instrument :

MSVOA_N

ClientSampleId :

WC-A1-07A-G

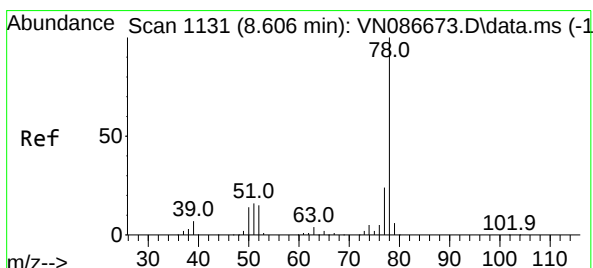
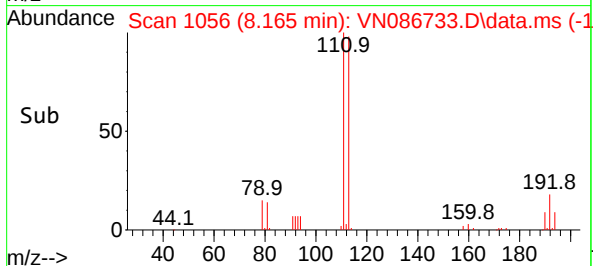
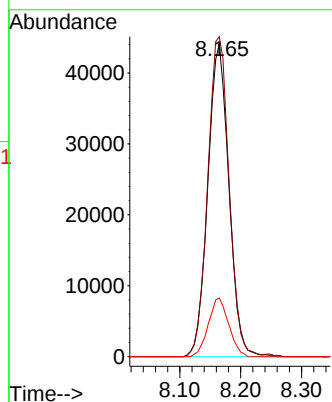
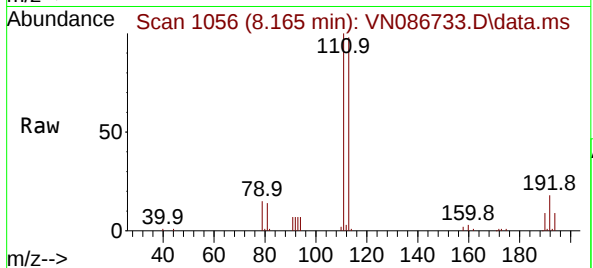
Tgt Ion:113 Resp: 105781

Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.2

192 18.2 13.8 20.8



#40

Benzene

Concen: 12.124 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN086733.D

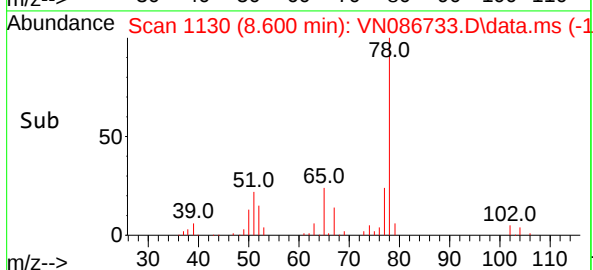
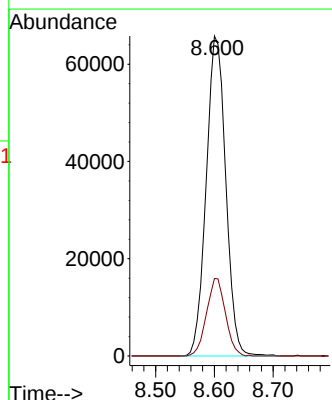
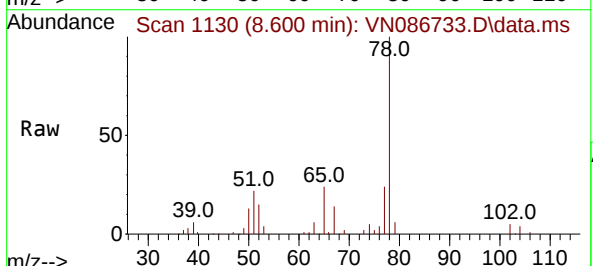
Acq: 21 May 2025 15:53

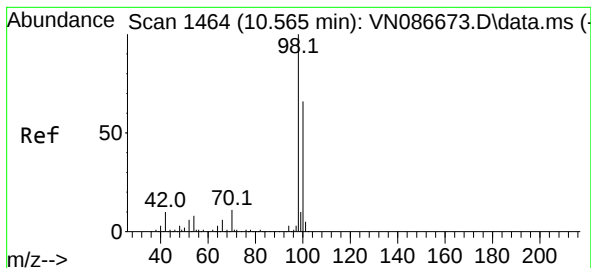
Tgt Ion: 78 Resp: 152017

Ion Ratio Lower Upper

78 100

77 24.2 19.1 28.7

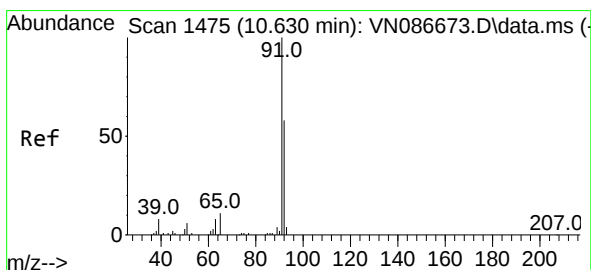
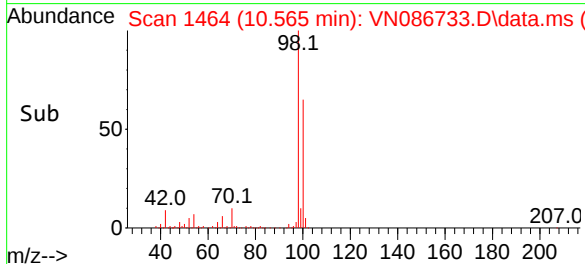
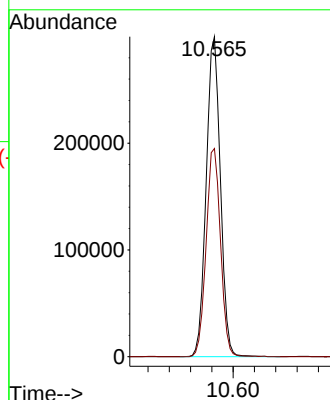
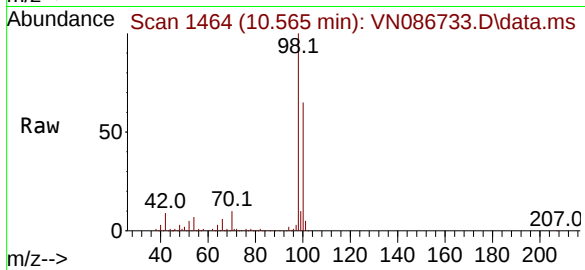




#50
Toluene-d8
Concen: 51.353 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086733.D
Acq: 21 May 2025 15:53

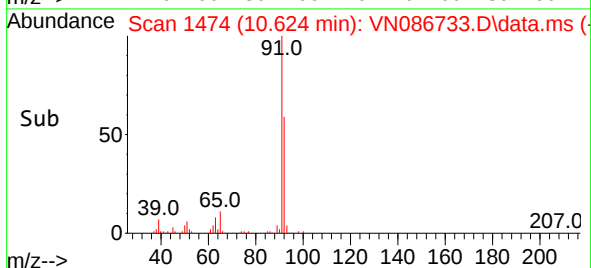
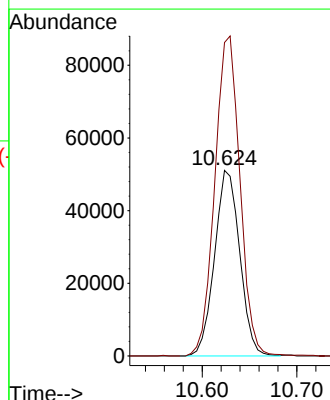
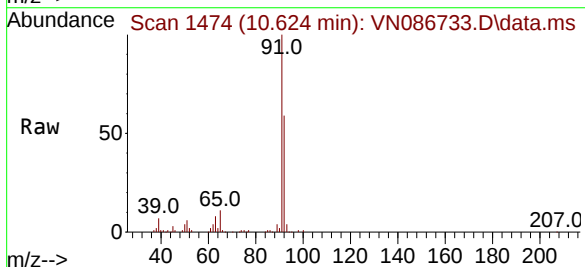
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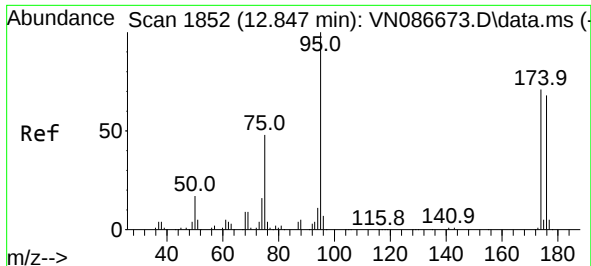
Tgt Ion: 98 Resp: 554512
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3



#52
Toluene
Concen: 12.096 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086733.D
Acq: 21 May 2025 15:53

Tgt Ion: 92 Resp: 94262
Ion Ratio Lower Upper
92 100
91 172.3 137.8 206.8





#62

4-Bromofluorobenzene

Concen: 53.876 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN086733.D

Acq: 21 May 2025 15:53

Instrument :

MSVOA_N

ClientSampleId :

WC-A1-07A-G

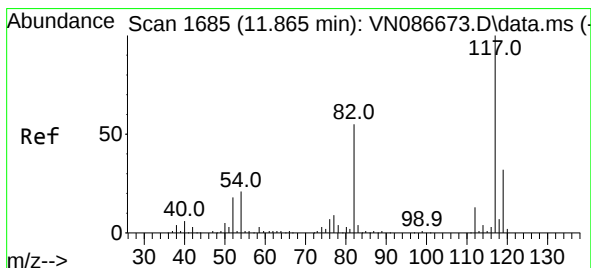
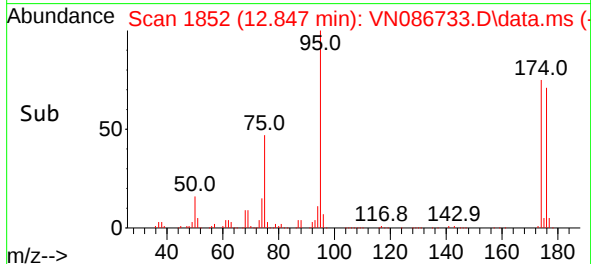
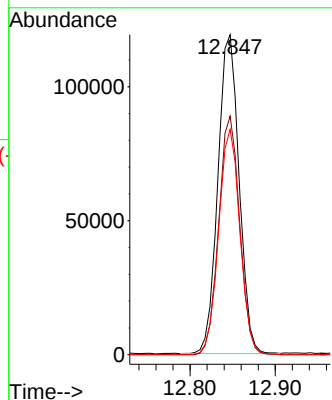
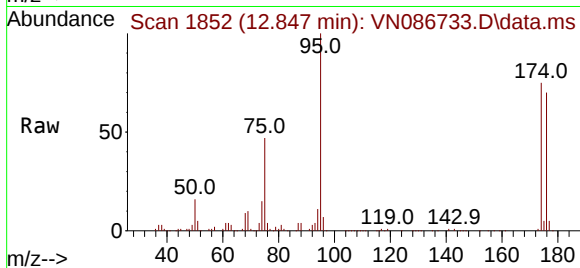
Tgt Ion: 95 Resp: 205416

Ion Ratio Lower Upper

95 100

174 74.1 0.0 145.4

176 70.7 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: VN086733.D

Acq: 21 May 2025 15:53

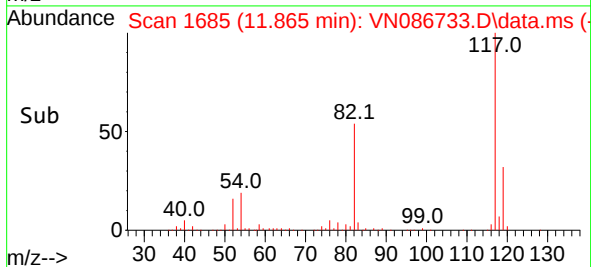
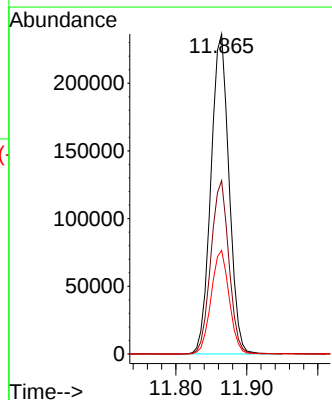
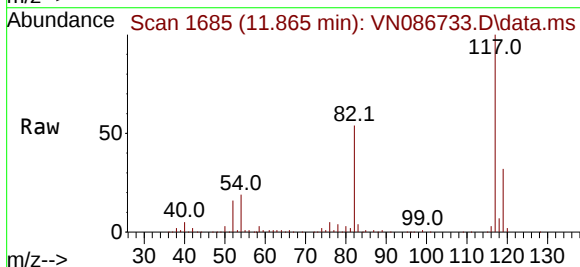
Tgt Ion: 117 Resp: 418623

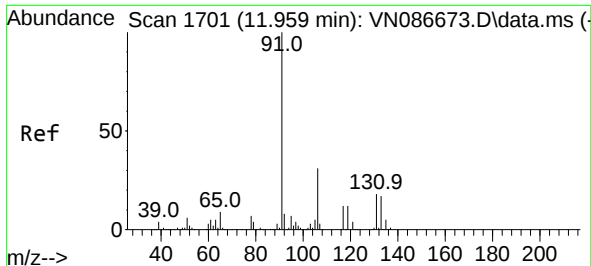
Ion Ratio Lower Upper

117 100

82 54.1 44.2 66.2

119 32.4 25.4 38.2

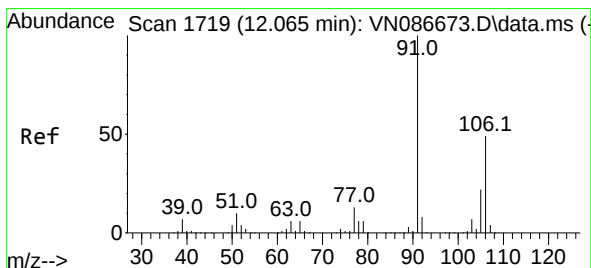
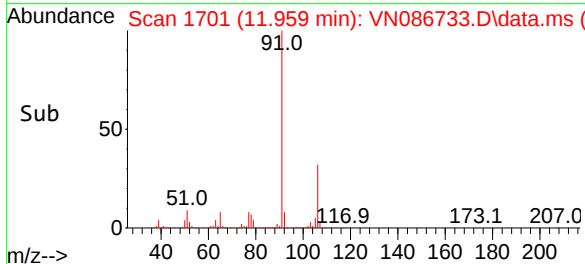
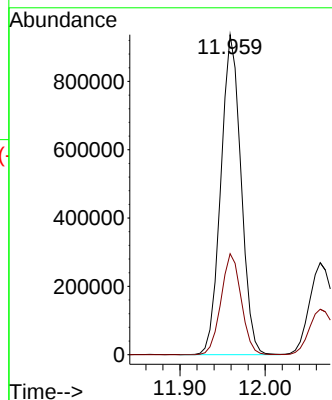
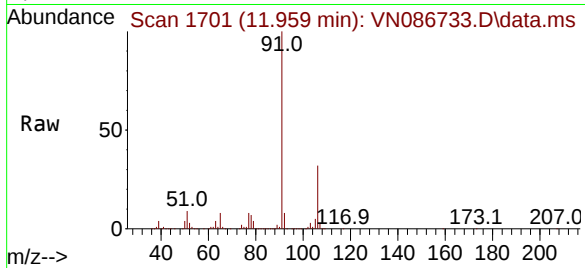




#67
Ethyl Benzene
Concen: 97.849 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086733.D
Acq: 21 May 2025 15:53

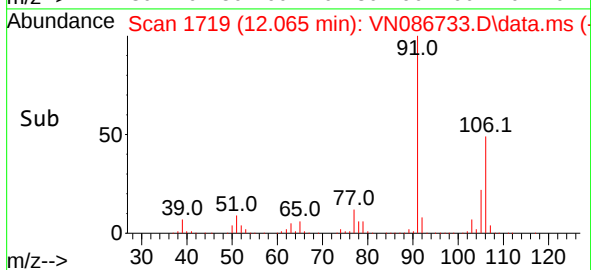
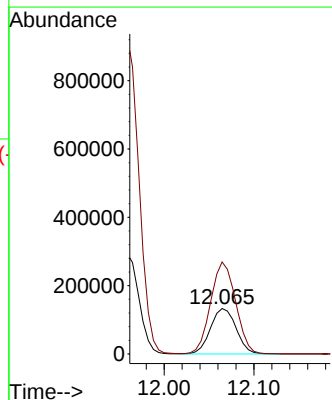
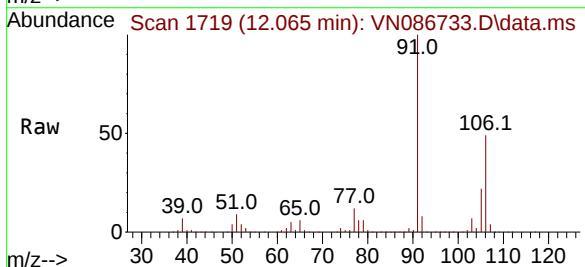
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-07A-G

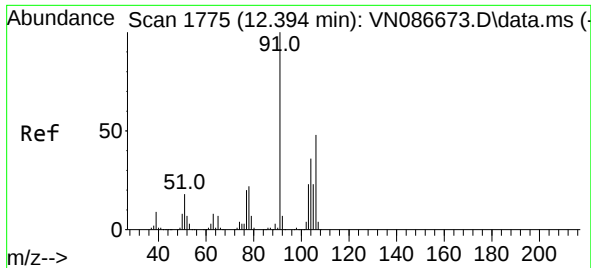
Tgt Ion: 91 Resp: 1538504
Ion Ratio Lower Upper
91 100
106 31.5 24.6 36.8



#68
m/p-Xylenes
Concen: 44.203 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086733.D
Acq: 21 May 2025 15:53

Tgt Ion:106 Resp: 263247
Ion Ratio Lower Upper
106 100
91 197.8 162.4 243.6

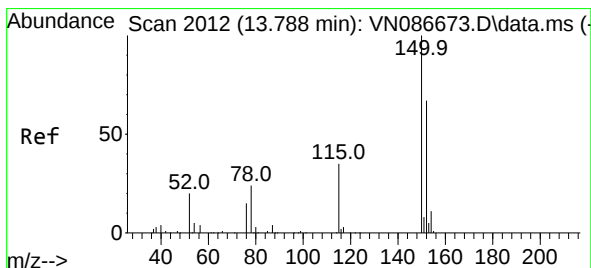
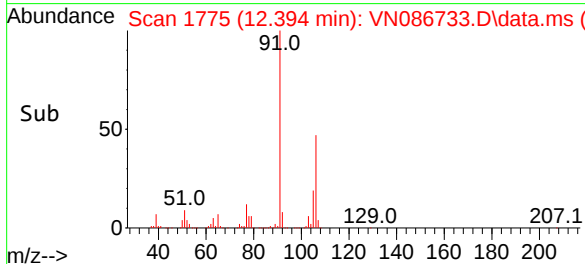
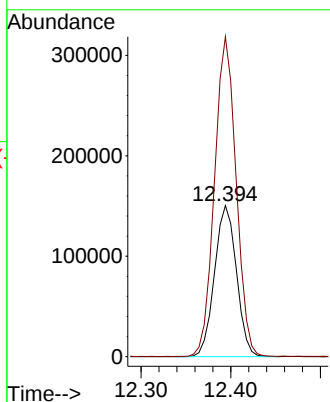
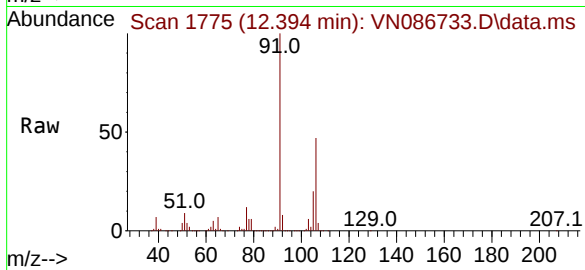




#69
o-Xylene
Concen: 43.093 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086733.D
Acq: 21 May 2025 15:53

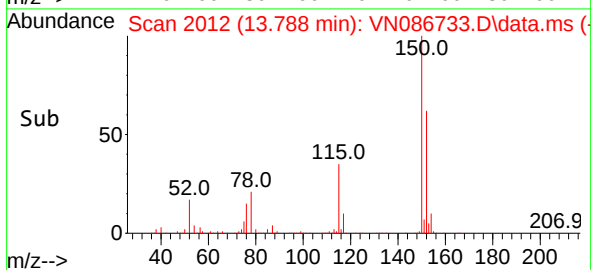
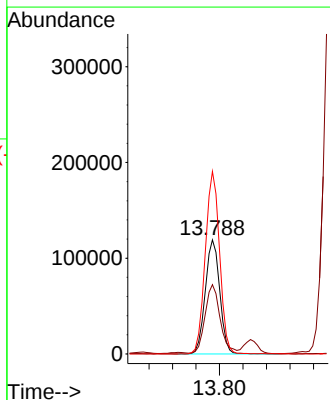
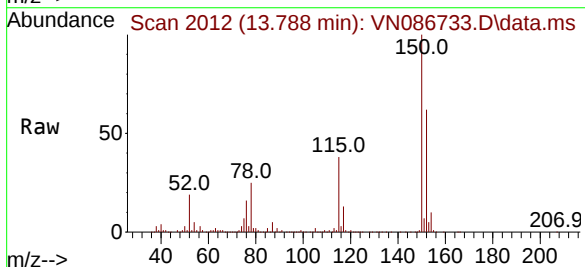
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-07A-G

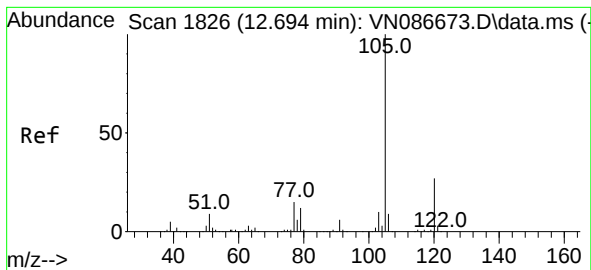
Tgt Ion:106 Resp: 255143
Ion Ratio Lower Upper
106 100
91 208.8 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086733.D
Acq: 21 May 2025 15:53

Tgt Ion:152 Resp: 203184
Ion Ratio Lower Upper
152 100
115 61.7 30.0 90.1
150 158.0 0.0 347.8





#73

Isopropylbenzene

Concen: 8.417 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN086733.D

Acq: 21 May 2025 15:53

Instrument :

MSVOA_N

ClientSampleId :

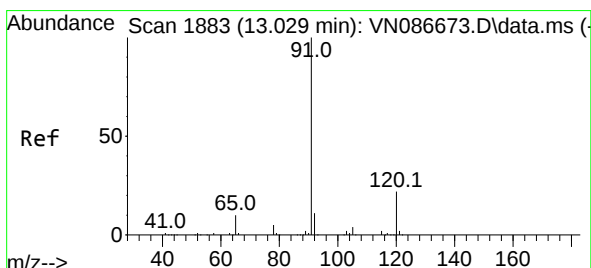
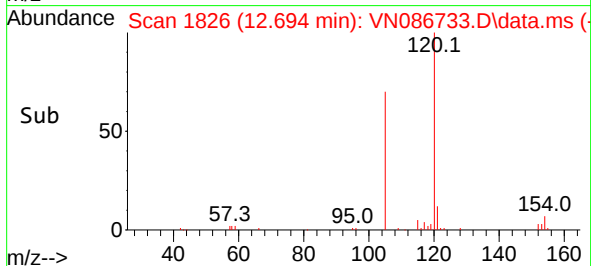
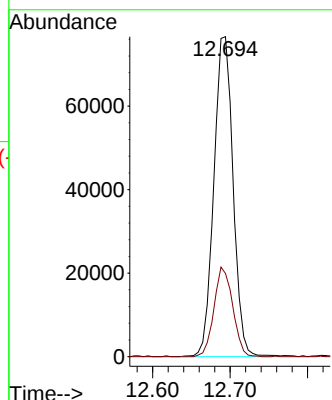
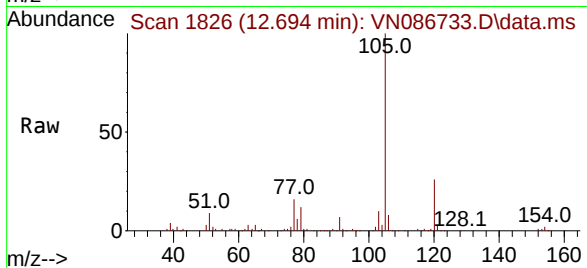
WC-A1-07A-G

Tgt Ion:105 Resp: 132083

Ion Ratio Lower Upper

105 100

120 27.3 13.4 40.1



#78

n-propylbenzene

Concen: 2.543 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.000 min

Lab File: VN086733.D

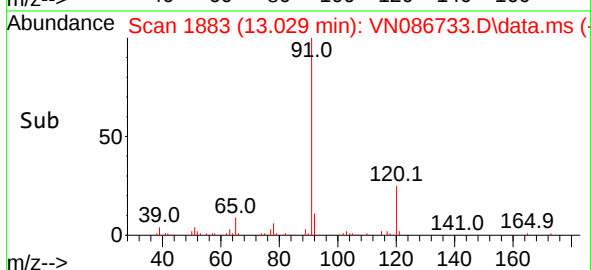
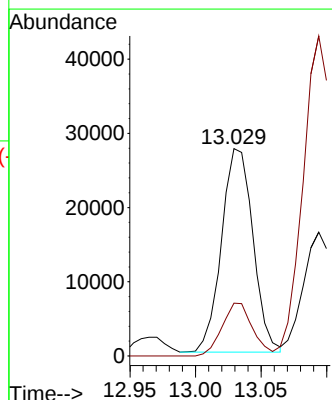
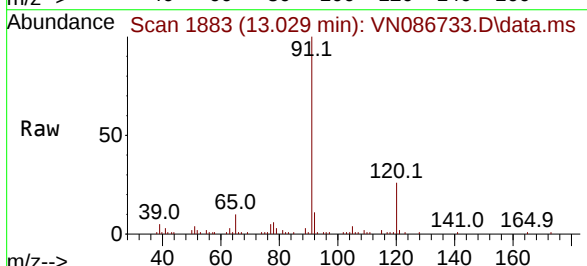
Acq: 21 May 2025 15:53

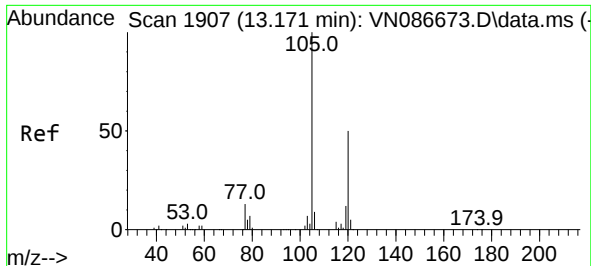
Tgt Ion: 91 Resp: 45800

Ion Ratio Lower Upper

91 100

120 25.2 11.4 34.1

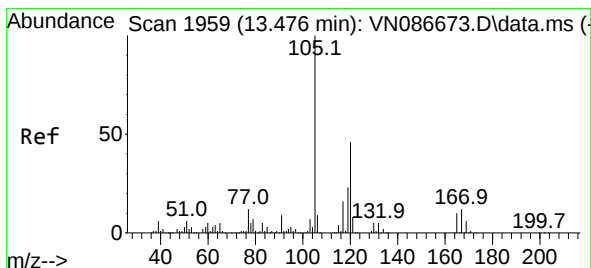
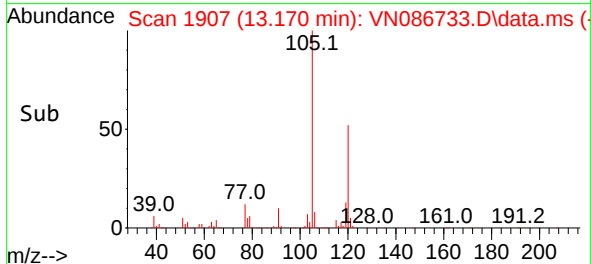
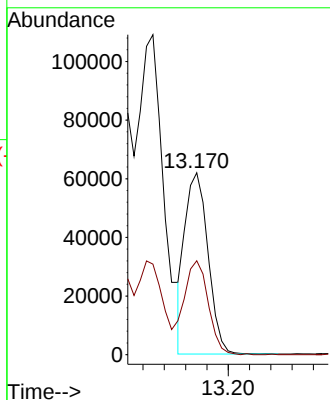
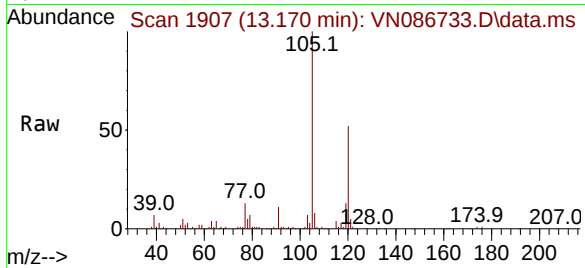




#80
 1,3,5-Trimethylbenzene
 Concen: 7.396 ug/l
 RT: 13.170 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VN086733.D
 Acq: 21 May 2025 15:53

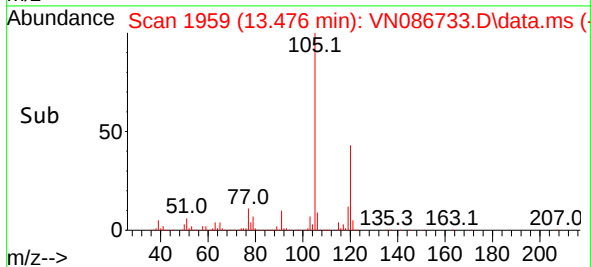
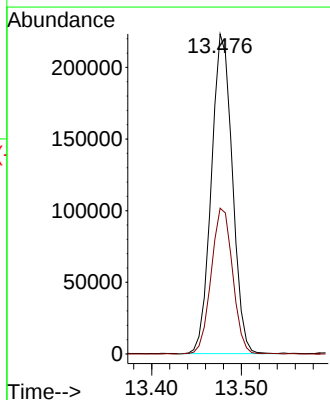
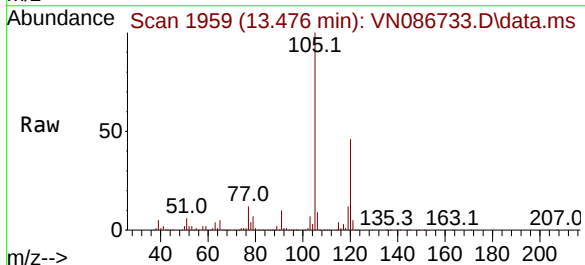
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A1-07A-G

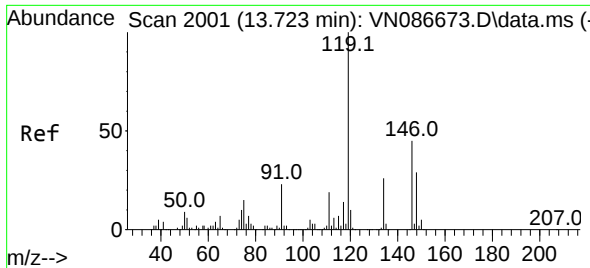
Tgt Ion:105 Resp: 92994
 Ion Ratio Lower Upper
 105 100
 120 55.3 24.9 74.6



#84
 1,2,4-Trimethylbenzene
 Concen: 28.991 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.000 min
 Lab File: VN086733.D
 Acq: 21 May 2025 15:53

Tgt Ion:105 Resp: 362977
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.2 69.6

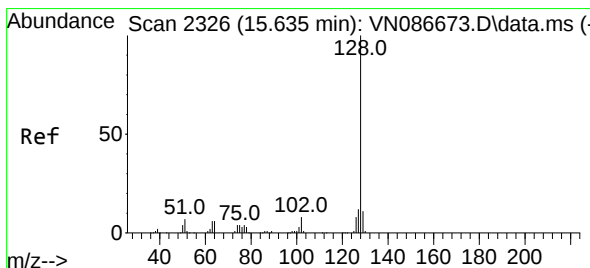
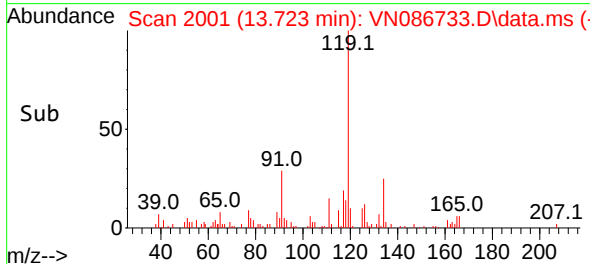
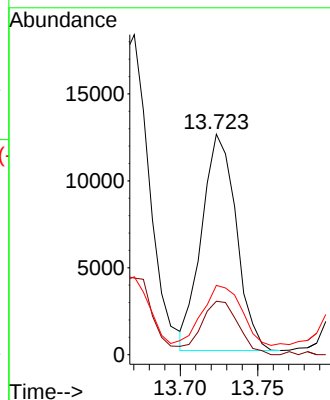
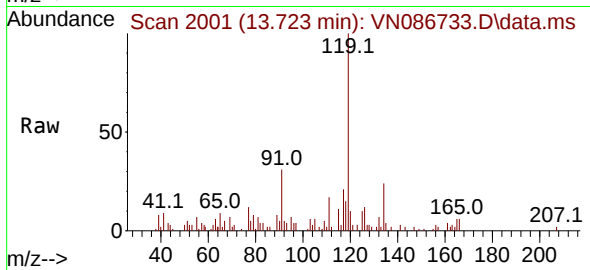




#86
 p-Isopropyltoluene
 Concen: 1.600 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.000 min
 Lab File: VN086733.D
 Acq: 21 May 2025 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A1-07A-G

Tgt Ion:119 Resp: 19287
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.1
 91 0.0 11.5 34.5#



#95
 Naphthalene
 Concen: 1383.065 ug/l
 RT: 15.635 min Scan# 2326
 Delta R.T. -0.000 min
 Lab File: VN086733.D
 Acq: 21 May 2025 15:53

Tgt Ion:128 Resp:13179325
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.1 15.1
 129 11.3 8.6 13.0

