

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086734.D
 Acq On : 21 May 2025 16:18
 Operator : JC\MD
 Sample : Q2078-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A4-06-G

Quant Time: May 22 01:25:55 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)

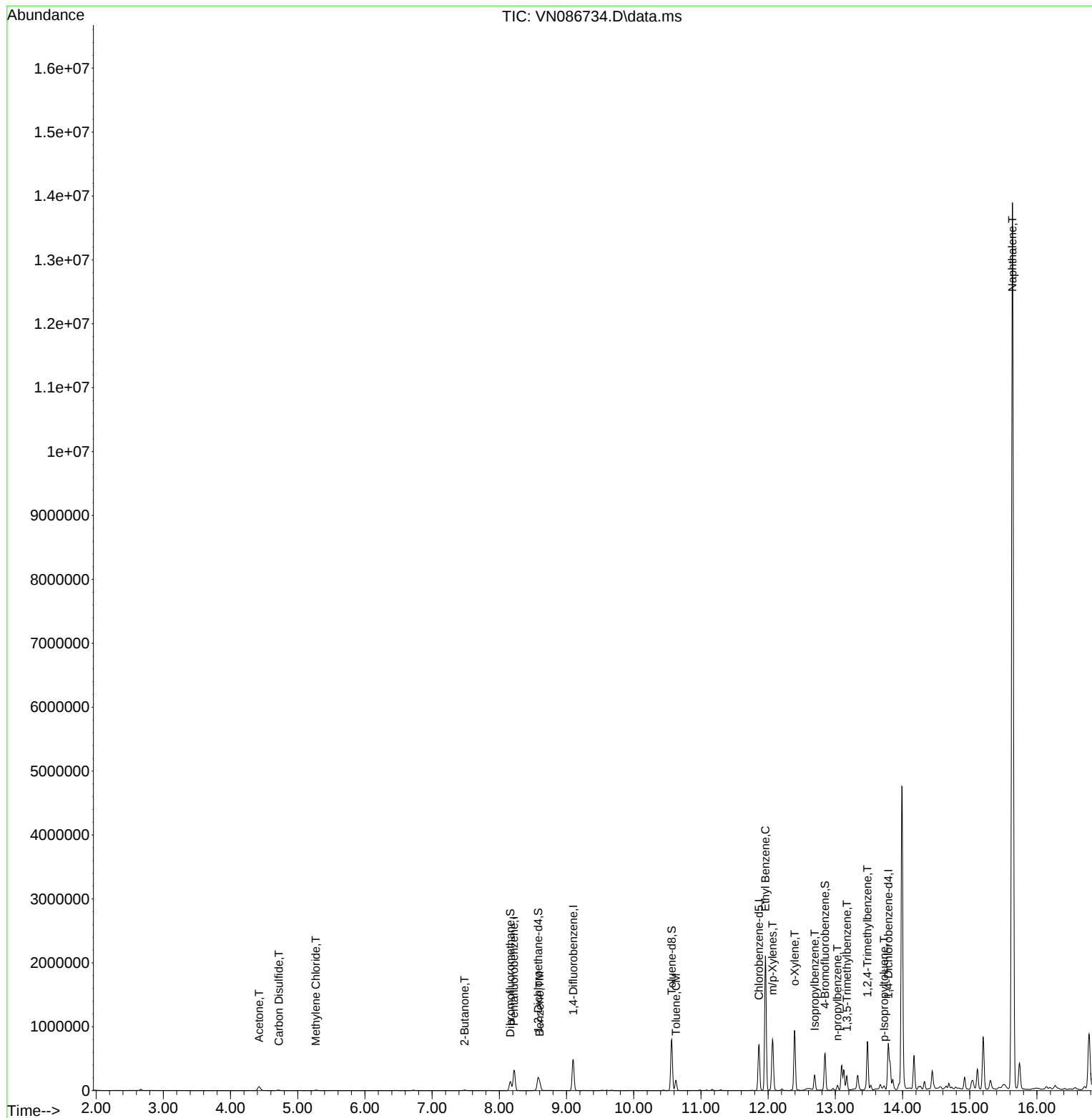
Internal Standards						
1) Pentafluorobenzene	8.218	168	249102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	459397	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	453774	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	206737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	150892	43.837	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.680%		
35) Dibromofluoromethane	8.165	113	107917	39.445	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	78.880%		
50) Toluene-d8	10.565	98	592185	52.231	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	104.460%		
62) 4-Bromofluorobenzene	12.847	95	227383	56.799	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	113.600%		
Target Compounds					Qvalue	
16) Acetone	4.424	43	119456	92.775	ug/l	93
17) Carbon Disulfide	4.718	76	10627	1.381	ug/l	97
20) Methylene Chloride	5.271	84	7603	2.238	ug/l #	86
25) 2-Butanone	7.483	43	10751	5.403	ug/l	95
40) Benzene	8.600	78	111354	8.459	ug/l	100
52) Toluene	10.630	92	75465	9.223	ug/l	99
67) Ethyl Benzene	11.959	91	1620965	95.108	ug/l	98
68) m/p-Xylenes	12.065	106	281343	43.582	ug/l	97
69) o-Xylene	12.394	106	280832	43.758	ug/l	100
73) Isopropylbenzene	12.694	105	170793	10.697	ug/l	100
78) n-propylbenzene	13.029	91	63231	3.451	ug/l	97
80) 1,3,5-Trimethylbenzene	13.171	105	123067	9.620	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	448970	35.244	ug/l	100
86) p-Isopropyltoluene	13.723	119	21555	1.758	ug/l #	77
95) Naphthalene	15.635	128	13622770	1405.032	ug/l	98

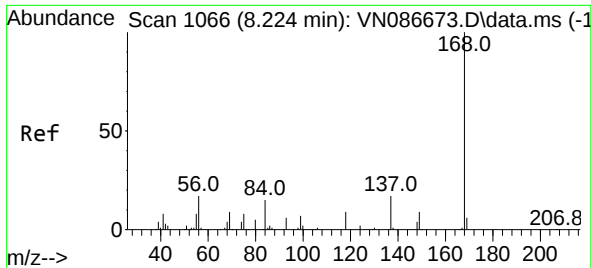
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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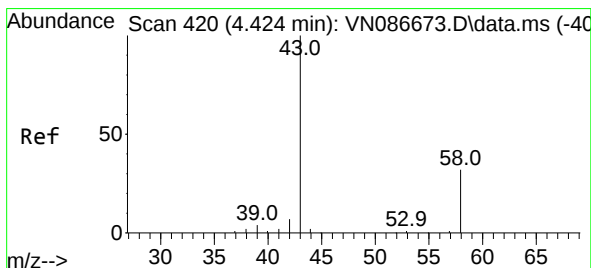
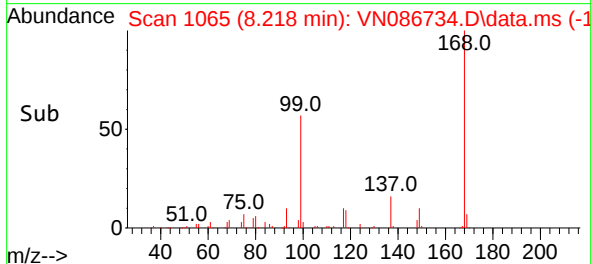
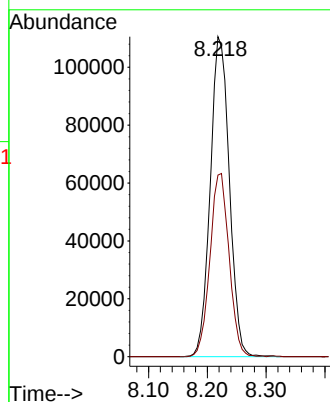
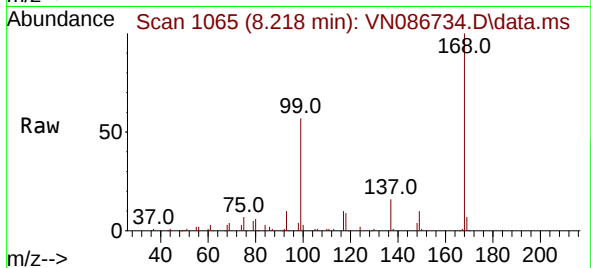




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

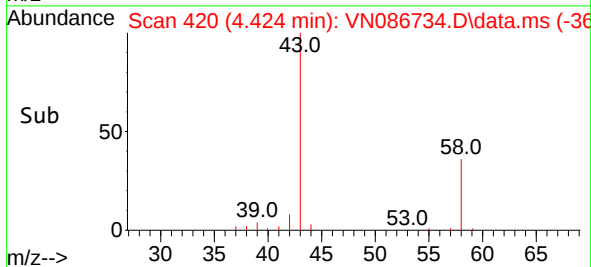
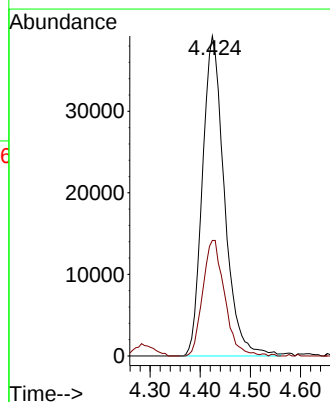
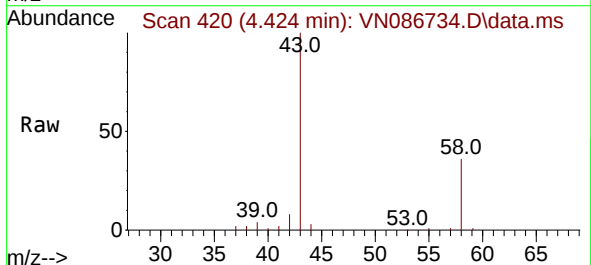
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-06-G

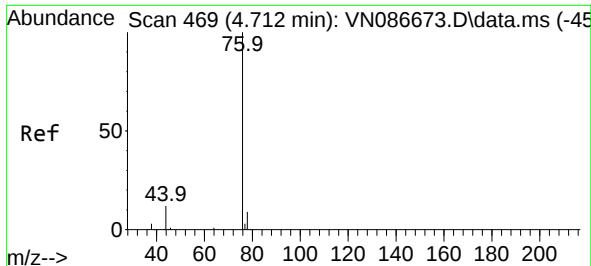
Tgt Ion:168 Resp: 249102
Ion Ratio Lower Upper
168 100
99 56.8 47.0 70.4



#16
Acetone
Concen: 92.775 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

Tgt Ion: 43 Resp: 119456
Ion Ratio Lower Upper
43 100
58 36.1 25.8 38.6

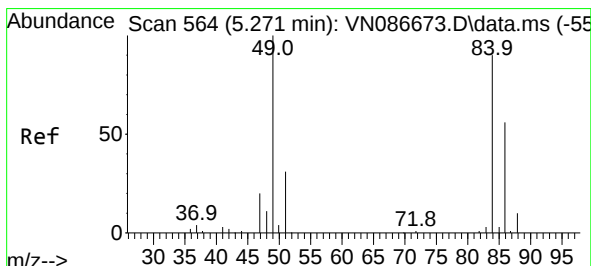
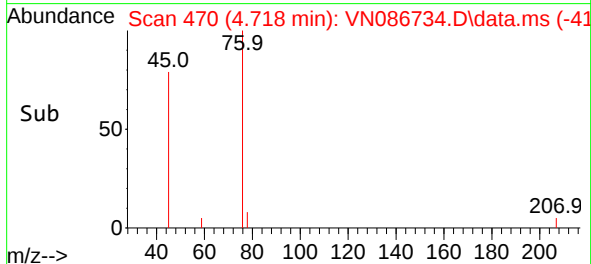
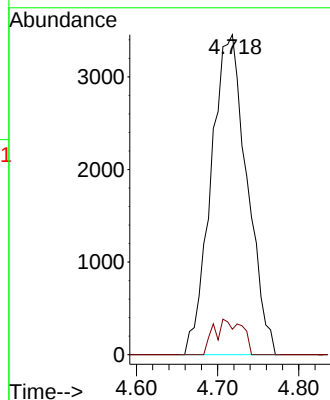
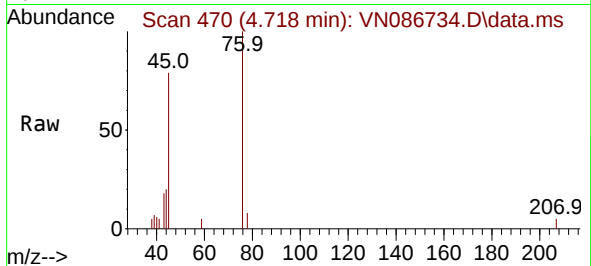




#17
Carbon Disulfide
Concen: 1.381 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

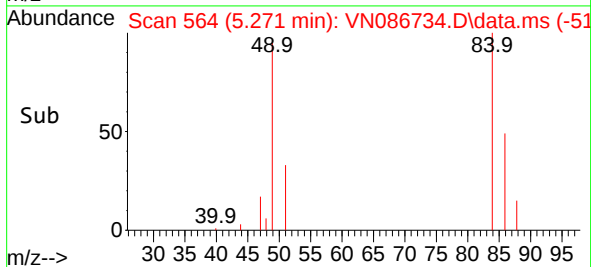
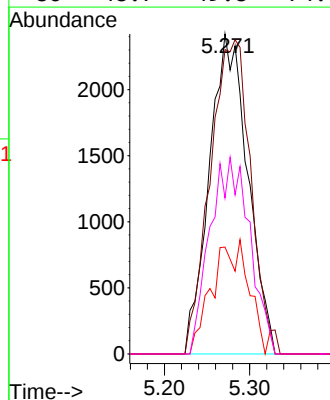
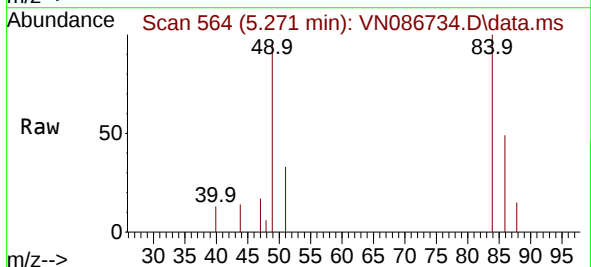
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-06-G

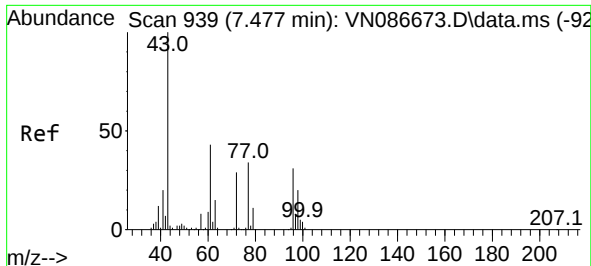
Tgt Ion: 76 Resp: 10627
Ion Ratio Lower Upper
76 100
78 8.0 7.3 10.9



#20
Methylene Chloride
Concen: 2.238 ug/l
RT: 5.271 min Scan# 564
Delta R.T. 0.000 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

Tgt Ion: 84 Resp: 7603
Ion Ratio Lower Upper
84 100
49 95.1 88.8 133.2
51 33.4 27.8 41.6
86 48.7 49.8 74.6#

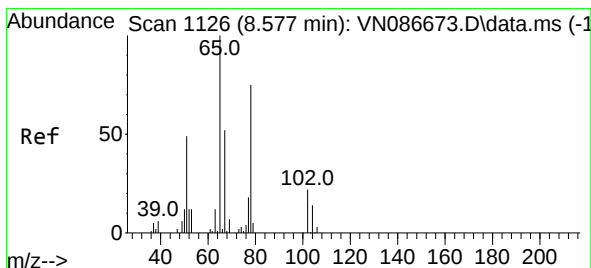
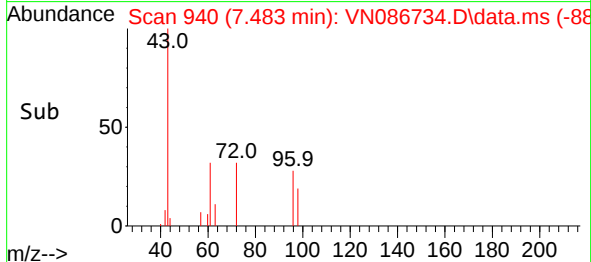
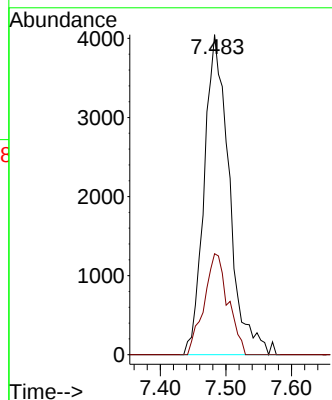
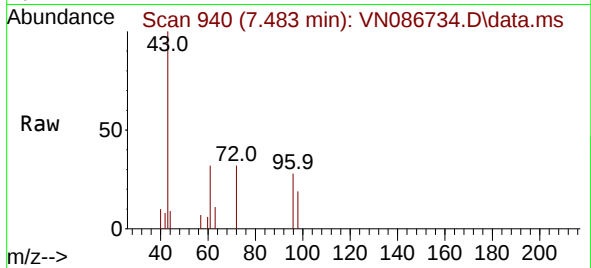




#25
2-Butanone
Concen: 5.403 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

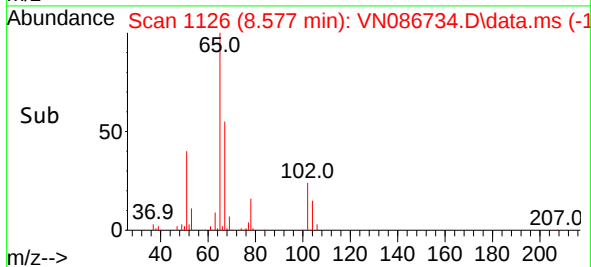
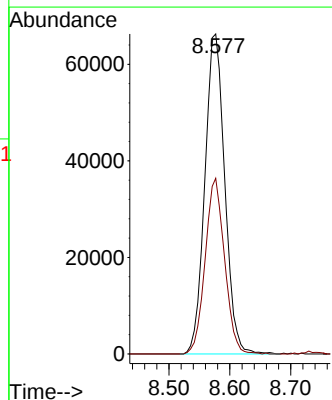
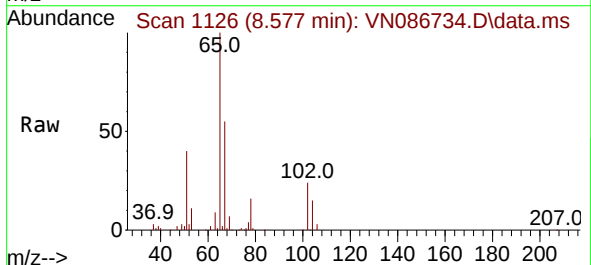
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-06-G

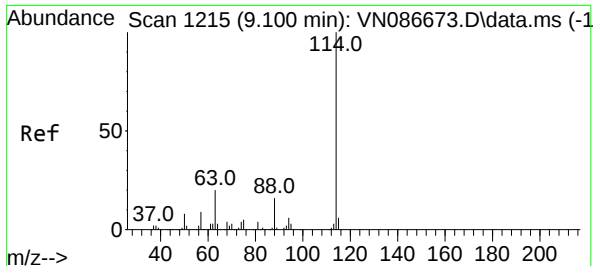
Tgt Ion: 43 Resp: 10751
Ion Ratio Lower Upper
43 100
72 31.6 23.1 34.7



#33
1,2-Dichloroethane-d4
Concen: 43.837 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

Tgt Ion: 65 Resp: 150892
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# 1

Delta R.T. 0.000 min

Lab File: VN086734.D

Acq: 21 May 2025 16:18

Instrument :

MSVOA_N

ClientSampleId :

WC-A4-06-G

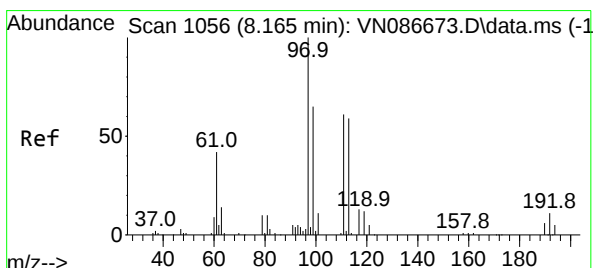
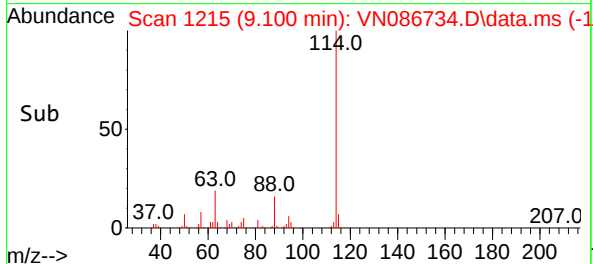
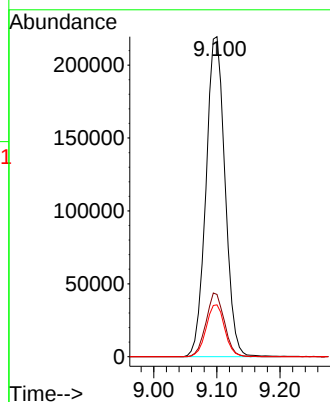
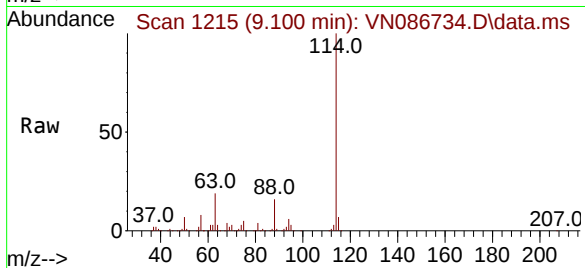
Tgt Ion:114 Resp: 459397

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.2

88 16.2 0.0 31.2



#35

Dibromofluoromethane

Concen: 39.445 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086734.D

Acq: 21 May 2025 16:18

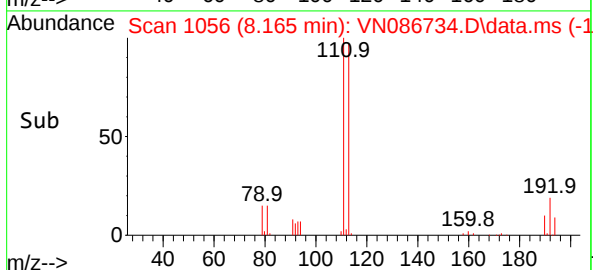
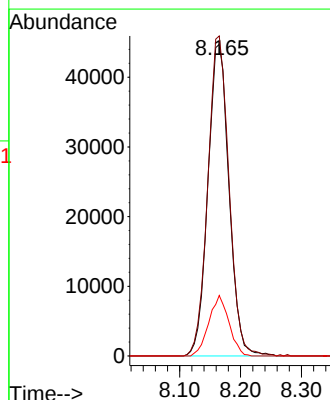
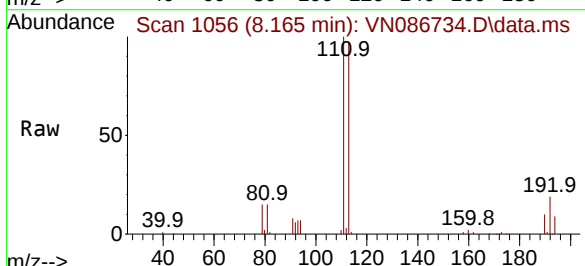
Tgt Ion:113 Resp: 107917

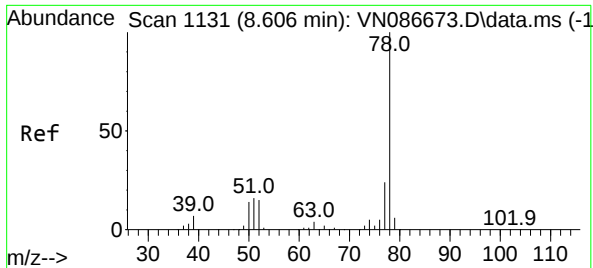
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.2

192 18.5 13.8 20.8

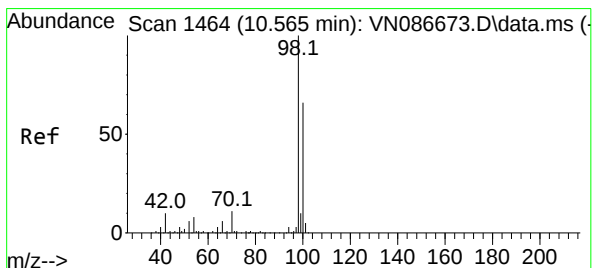
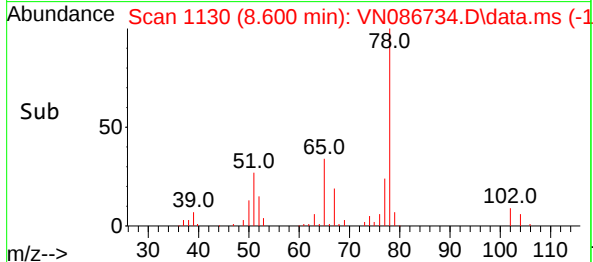
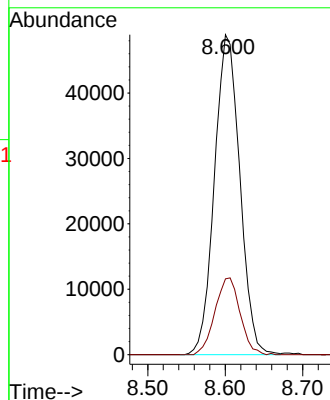
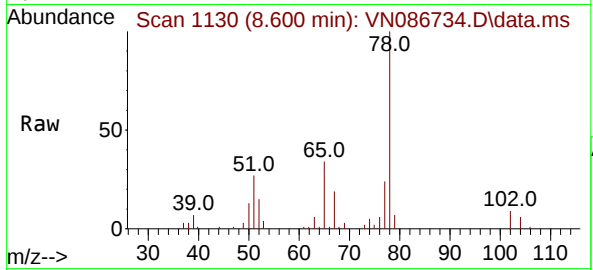




#40
Benzene
Concen: 8.459 ug/l
RT: 8.600 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

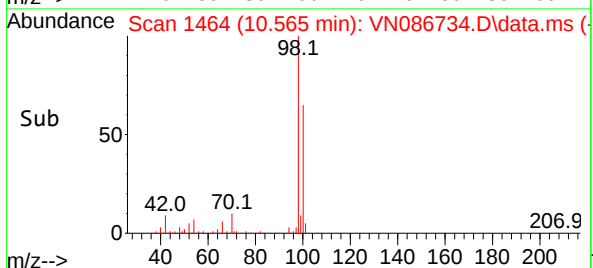
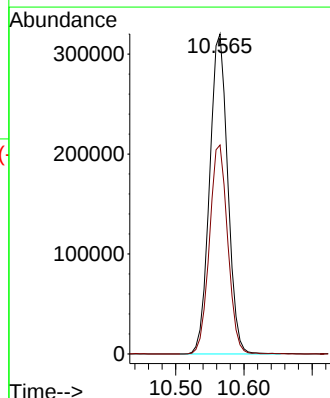
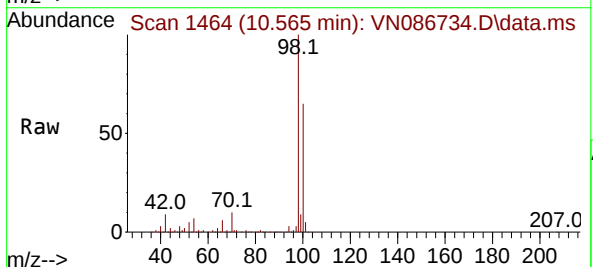
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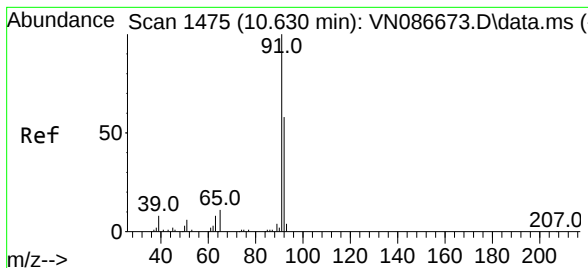
Tgt Ion: 78 Resp: 111354
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7



#50
Toluene-d8
Concen: 52.231 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

Tgt Ion: 98 Resp: 592185
Ion Ratio Lower Upper
98 100
100 65.7 52.9 79.3





#52

Toluene

Concen: 9.223 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN086734.D

Acq: 21 May 2025 16:18

Instrument :

MSVOA_N

ClientSampleId :

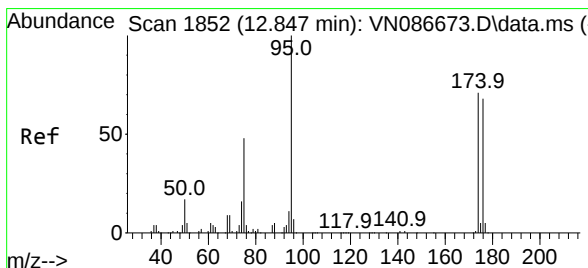
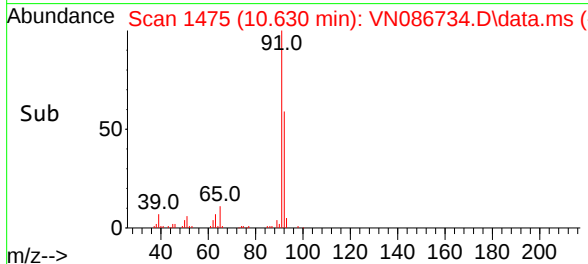
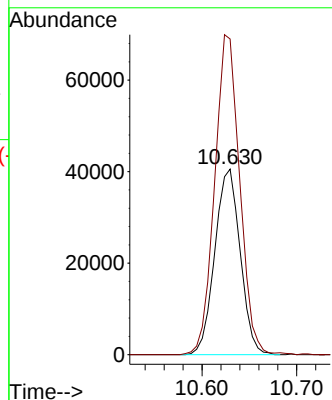
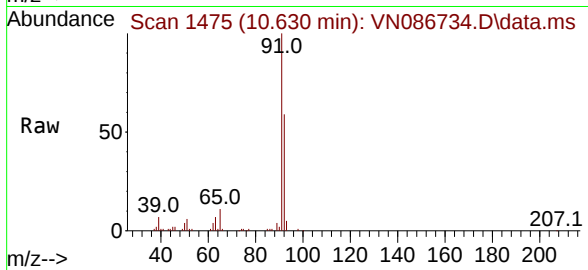
WC-A4-06-G

Tgt Ion: 92 Resp: 75465

Ion Ratio Lower Upper

92 100

91 170.4 137.8 206.8



#62

4-Bromofluorobenzene

Concen: 56.799 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN086734.D

Acq: 21 May 2025 16:18

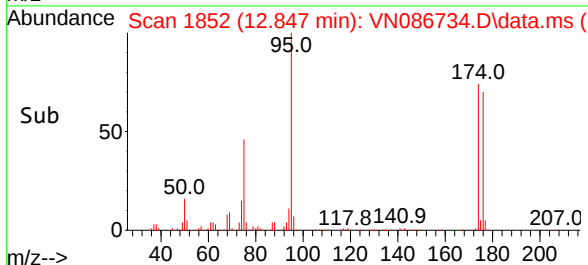
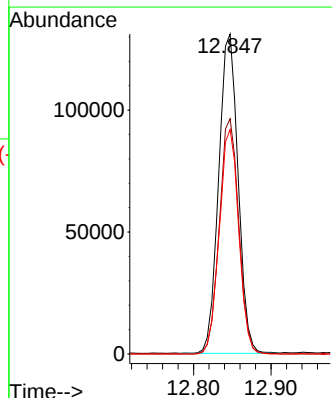
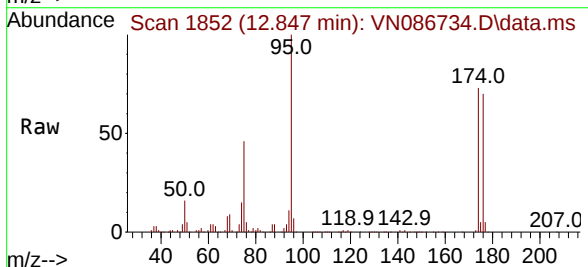
Tgt Ion: 95 Resp: 227383

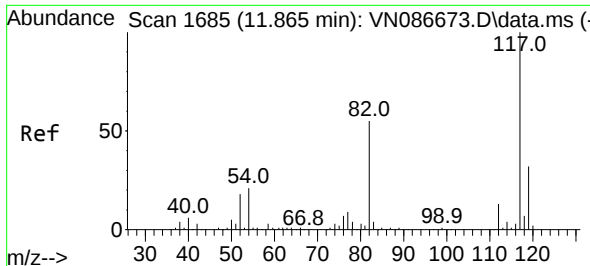
Ion Ratio Lower Upper

95 100

174 73.6 0.0 145.4

176 70.3 0.0 137.8

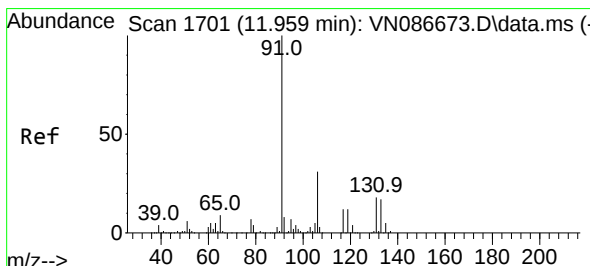
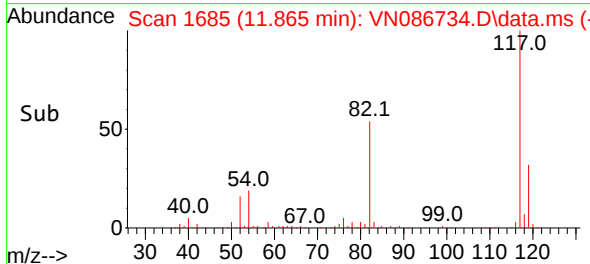
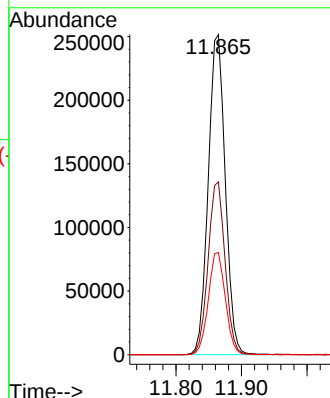
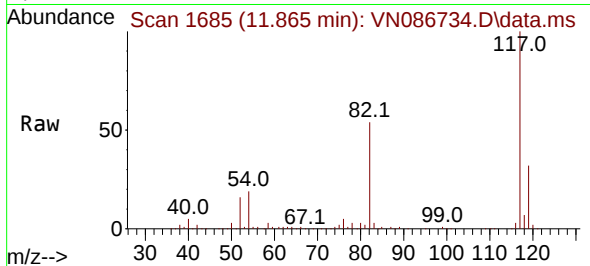




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

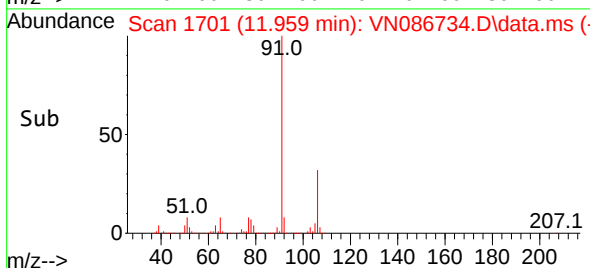
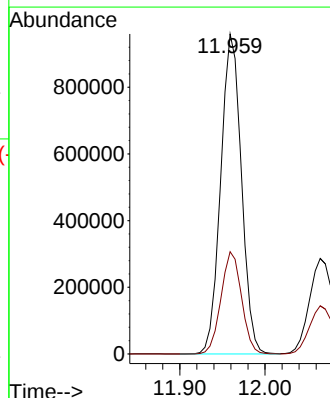
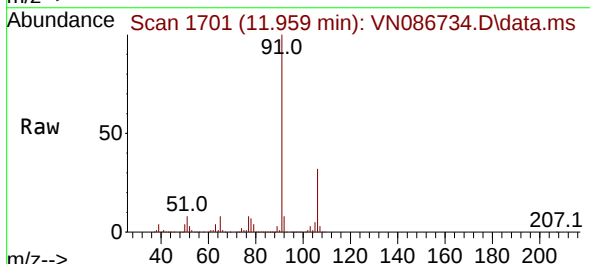
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-06-G

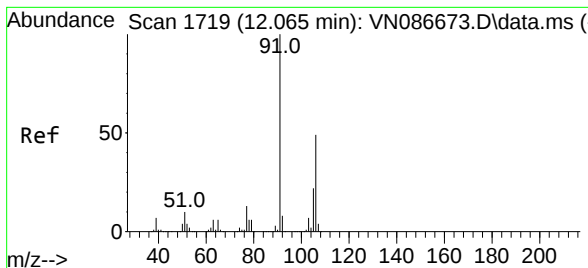
Tgt Ion:117 Resp: 453774
Ion Ratio Lower Upper
117 100
82 54.0 44.2 66.2
119 32.0 25.4 38.2



#67
Ethyl Benzene
Concen: 95.108 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

Tgt Ion: 91 Resp: 1620965
Ion Ratio Lower Upper
91 100
106 31.9 24.6 36.8

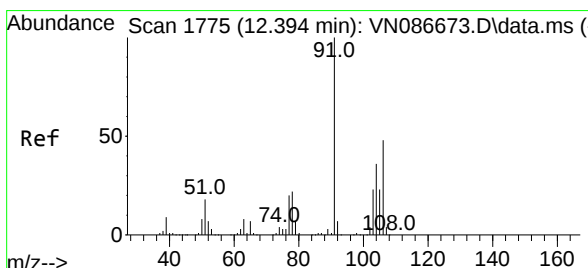
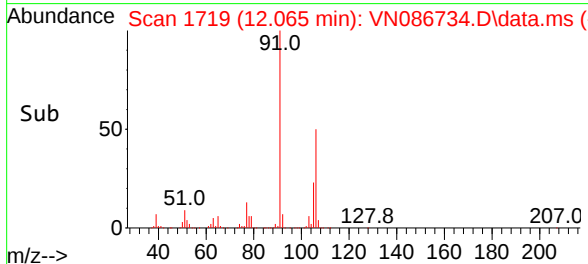
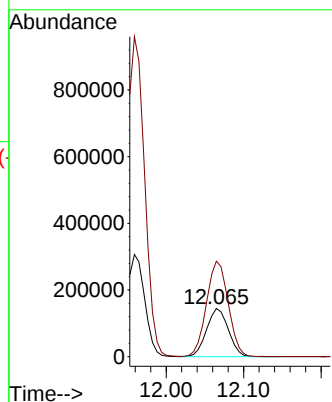
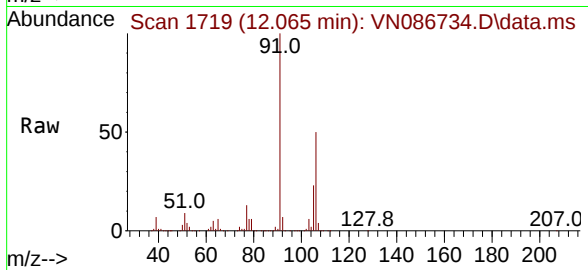




#68
m/p-Xylenes
Concen: 43.582 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

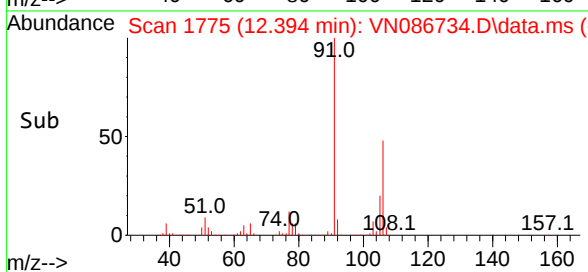
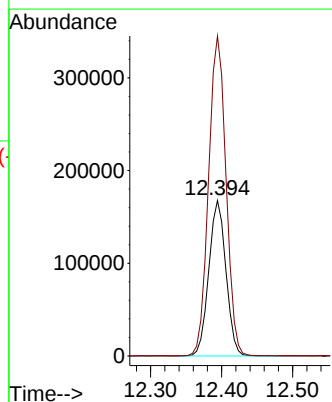
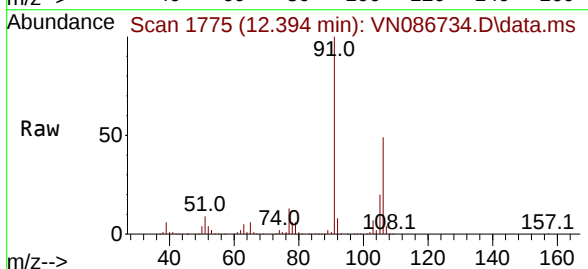
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-06-G

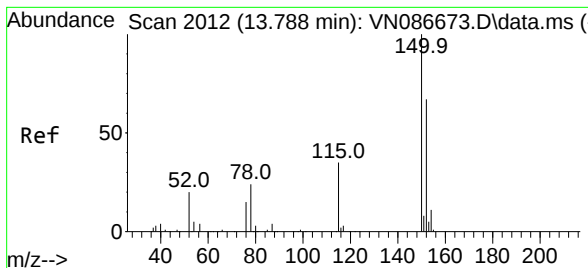
Tgt Ion:106 Resp: 281343
Ion Ratio Lower Upper
106 100
91 198.3 162.4 243.6



#69
o-Xylene
Concen: 43.758 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

Tgt Ion:106 Resp: 280832
Ion Ratio Lower Upper
106 100
91 209.4 105.1 315.1

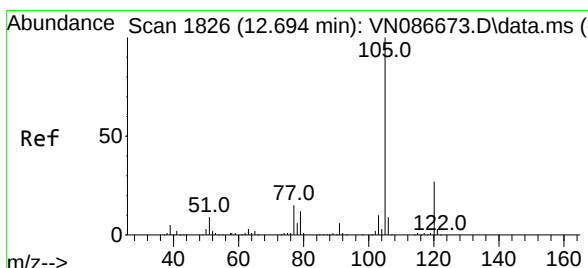
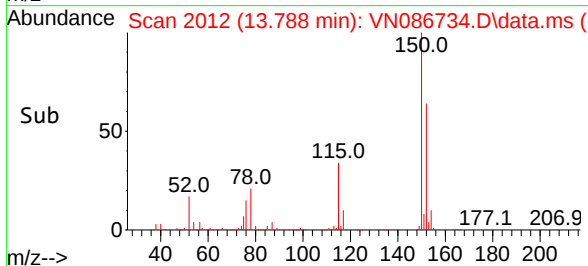
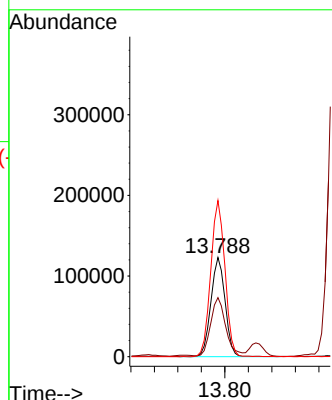
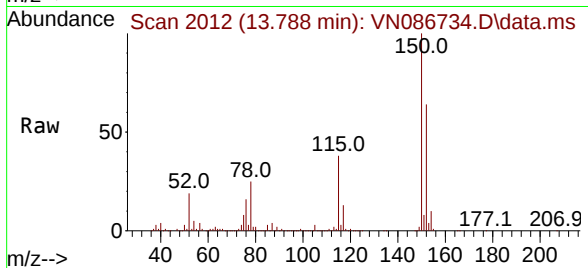




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

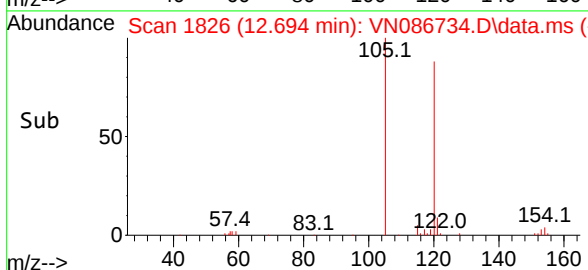
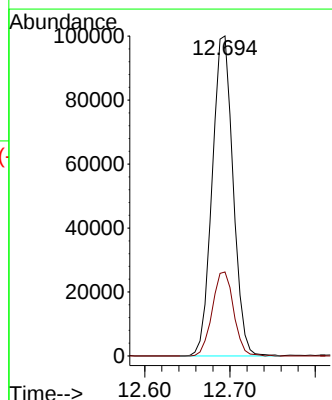
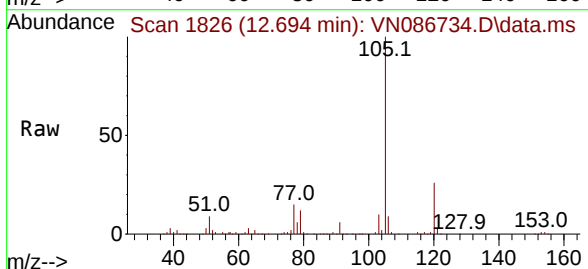
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-06-G

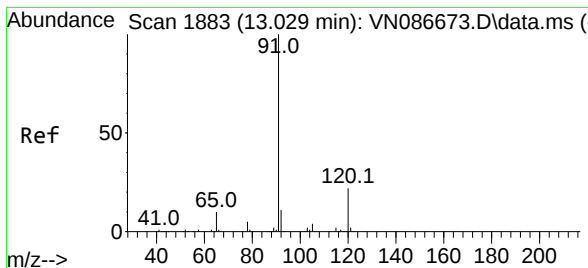
Tgt Ion:152 Resp: 206737
Ion Ratio Lower Upper
152 100
115 61.3 30.0 90.1
150 156.9 0.0 347.8



#73
Isopropylbenzene
Concen: 10.697 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

Tgt Ion:105 Resp: 170793
Ion Ratio Lower Upper
105 100
120 26.8 13.4 40.1

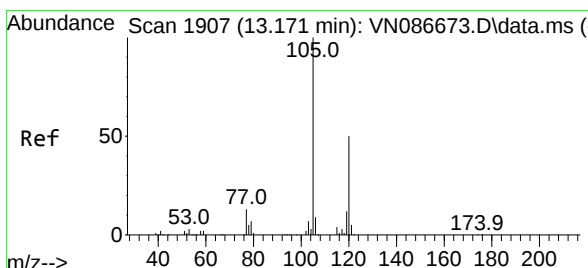
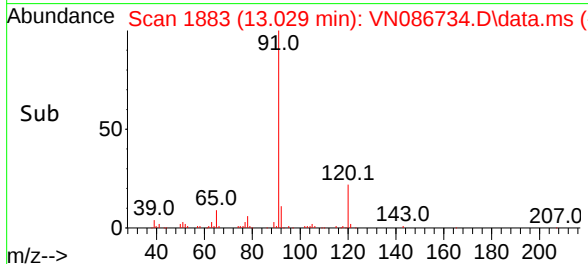
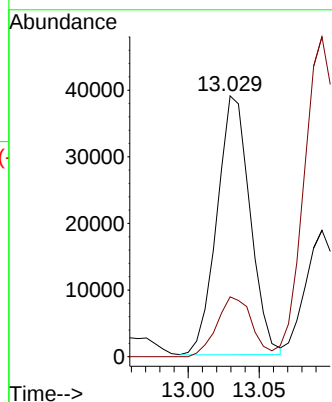
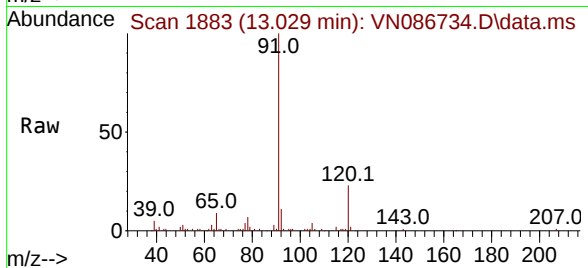




#78
n-propylbenzene
Concen: 3.451 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. 0.000 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

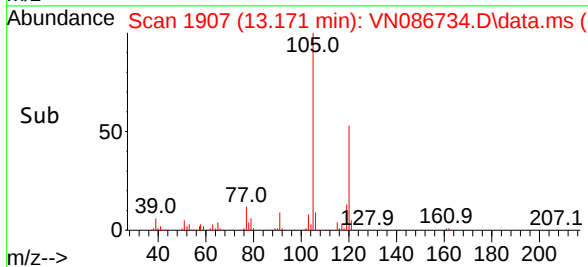
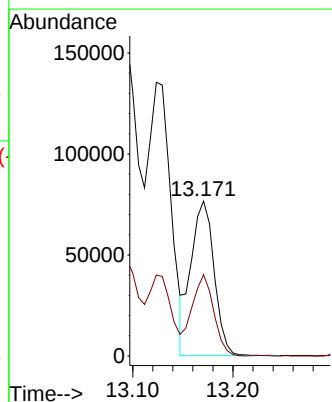
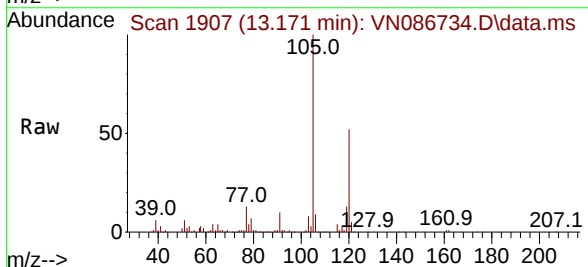
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-06-G

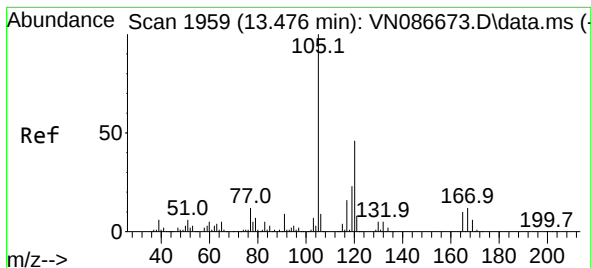
Tgt Ion: 91 Resp: 63231
Ion Ratio Lower Upper
91 100
120 24.3 11.4 34.1



#80
1,3,5-Trimethylbenzene
Concen: 9.620 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

Tgt Ion: 105 Resp: 123067
Ion Ratio Lower Upper
105 100
120 49.9 24.9 74.6





#84

1,2,4-Trimethylbenzene

Concen: 35.244 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. 0.000 min

Lab File: VN086734.D

Acq: 21 May 2025 16:18

Instrument :

MSVOA_N

ClientSampleId :

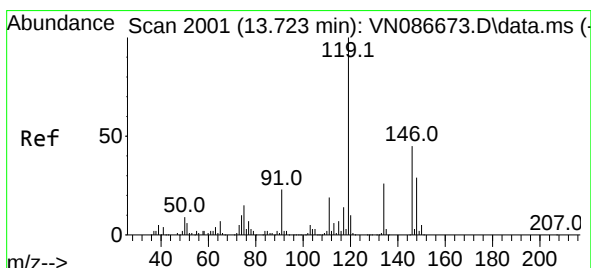
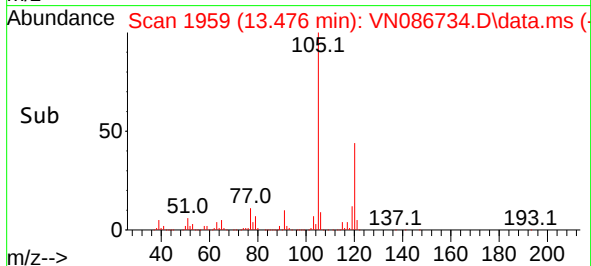
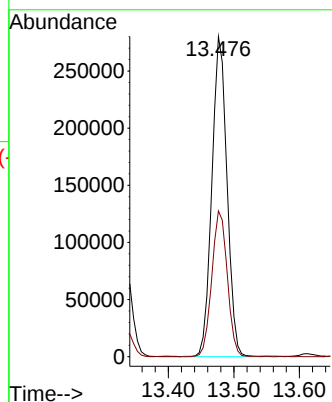
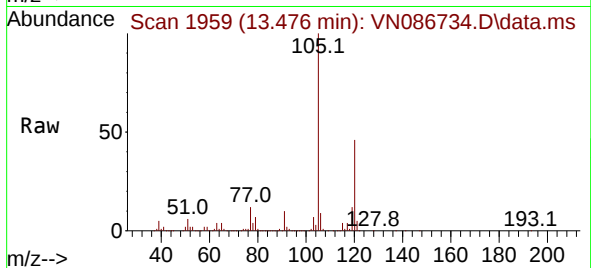
WC-A4-06-G

Tgt Ion:105 Resp: 448970

Ion Ratio Lower Upper

105 100

120 46.5 23.2 69.6



#86

p-Isopropyltoluene

Concen: 1.758 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VN086734.D

Acq: 21 May 2025 16:18

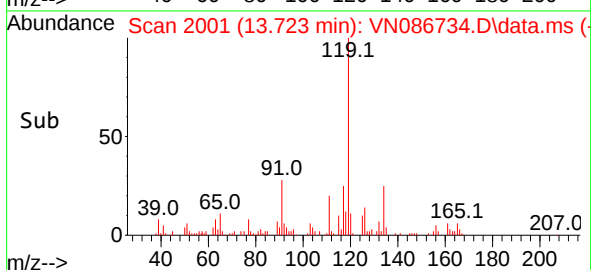
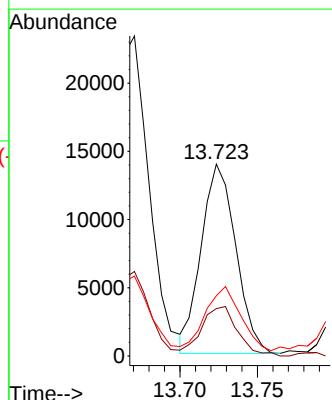
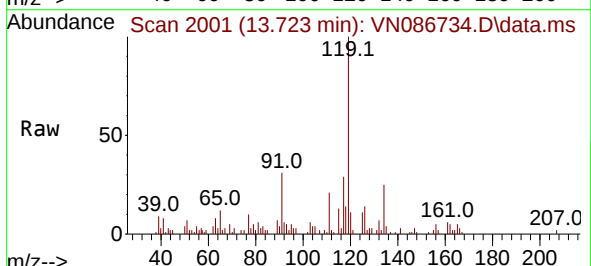
Tgt Ion:119 Resp: 21555

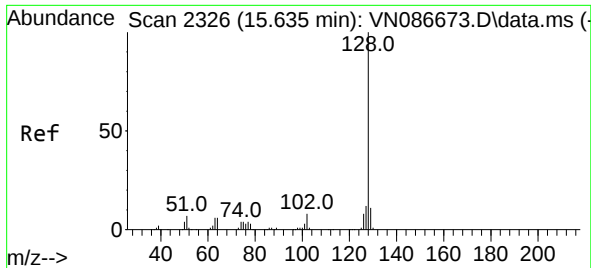
Ion Ratio Lower Upper

119 100

134 27.1 13.1 39.1

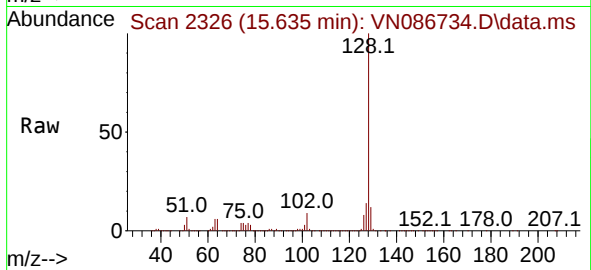
91 0.0 11.5 34.5#





#95
Naphthalene
Concen: 1405.032 ug/l
RT: 15.635 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN086734.D
Acq: 21 May 2025 16:18

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-06-G



Tgt Ion:128 Resp:13622770
Ion Ratio Lower Upper
128 100
127 13.3 10.1 15.1
129 11.3 8.6 13.0

