

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052225\
 Data File : VN086758.D
 Acq On : 22 May 2025 11:55
 Operator : JC\MD
 Sample : Q2079-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A2-01-GRE

Quant Time: May 23 01:34:58 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)

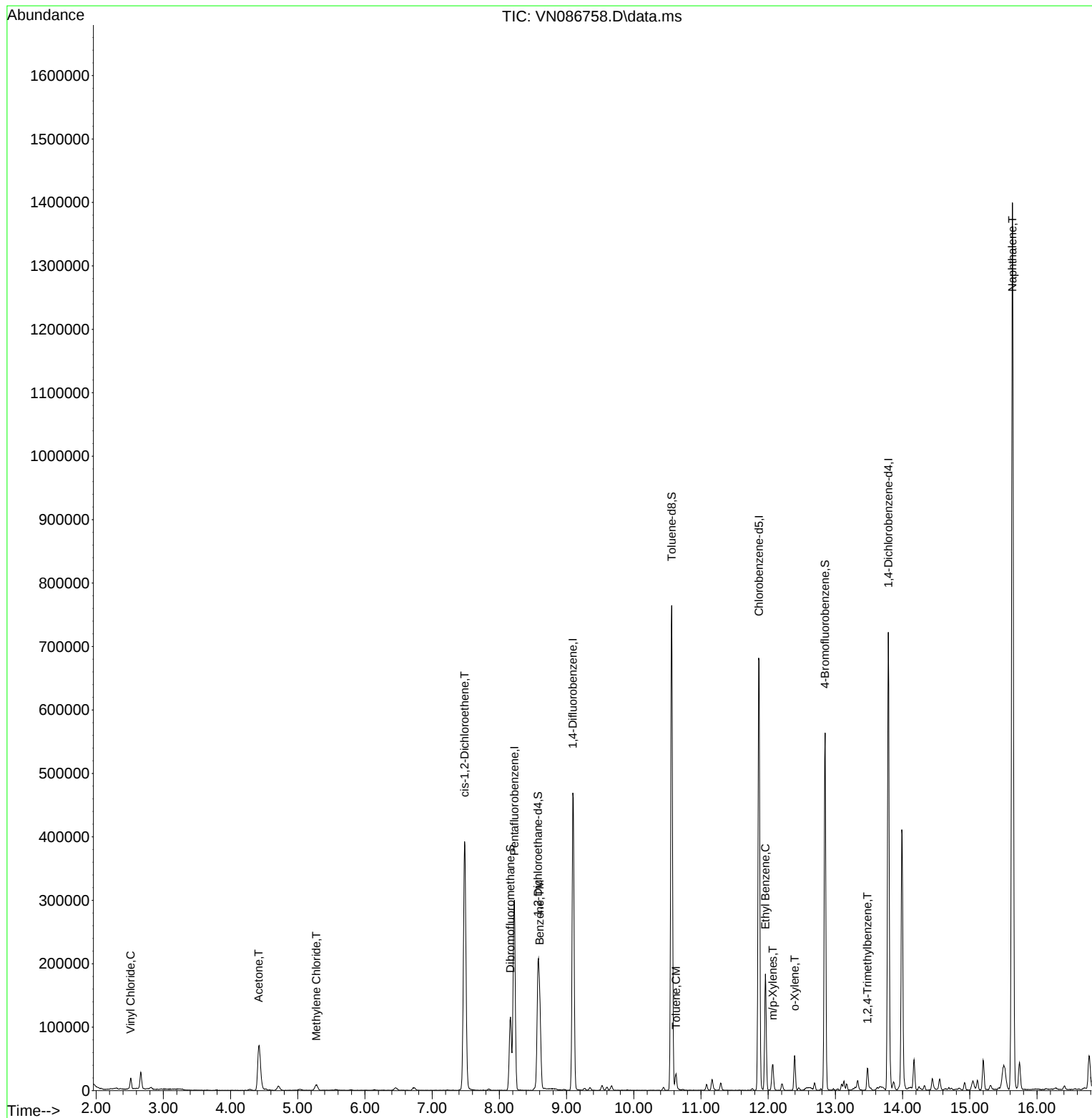
Internal Standards						
1) Pentafluorobenzene	8.224	168	240765	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	441543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	433303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	210369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146696	44.093	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.180%
35) Dibromofluoromethane	8.165	113	88600	33.694	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	67.380%#
50) Toluene-d8	10.565	98	564748	51.826	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.660%
62) 4-Bromofluorobenzene	12.847	95	212391	55.199	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.400%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.512	62	16258	4.603	ug/l	95
16) Acetone	4.418	43	137928	110.831	ug/l	97
20) Methylene Chloride	5.277	84	7697	2.344	ug/l	96
27) cis-1,2-Dichloroethene	7.483	96	255789	73.397	ug/l	87
40) Benzene	8.600	78	126638	10.008	ug/l	96
52) Toluene	10.629	92	11187	1.423	ug/l	98
67) Ethyl Benzene	11.959	91	140377	8.626	ug/l	97
68) m/p-Xylenes	12.071	106	14895	2.416	ug/l	96
69) o-Xylene	12.394	106	15631	2.551	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	21489	1.658	ug/l	98
95) Naphthalene	15.635	128	1365634	138.418	ug/l	100

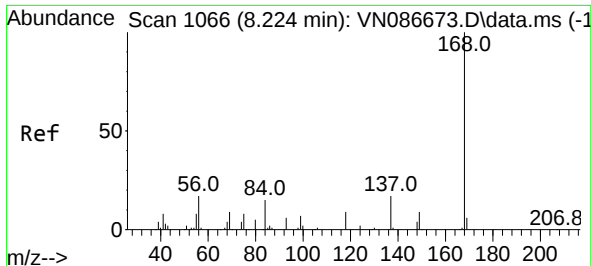
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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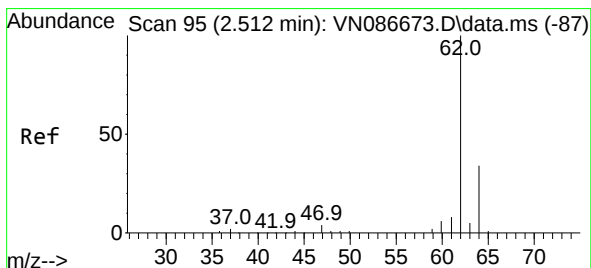
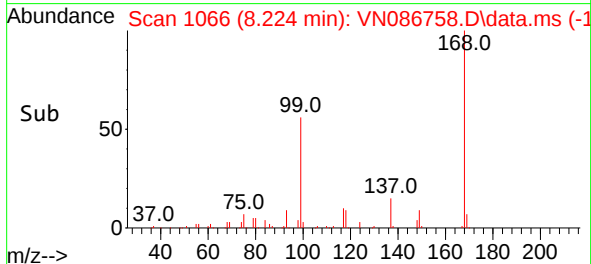
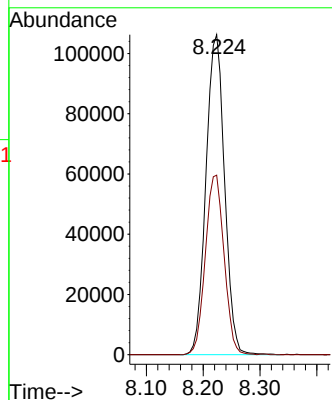
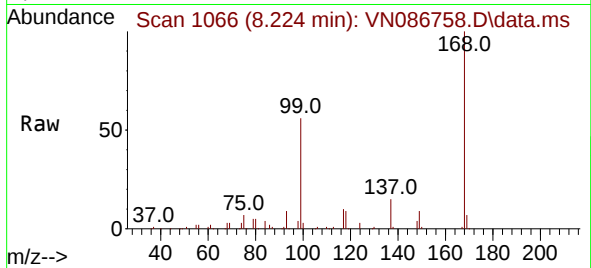




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

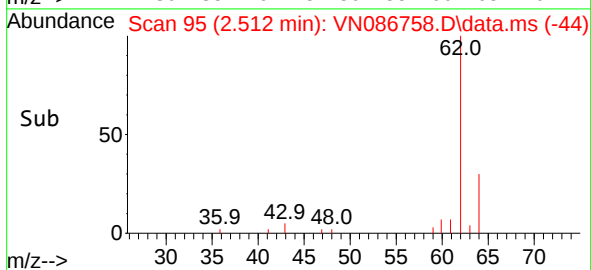
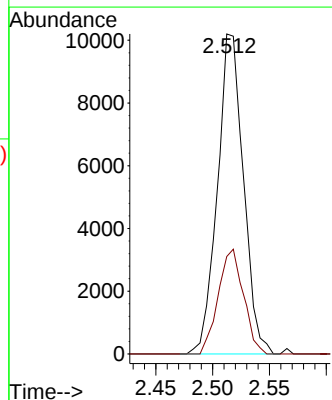
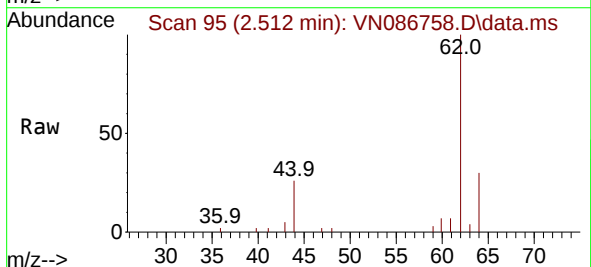
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-GRE

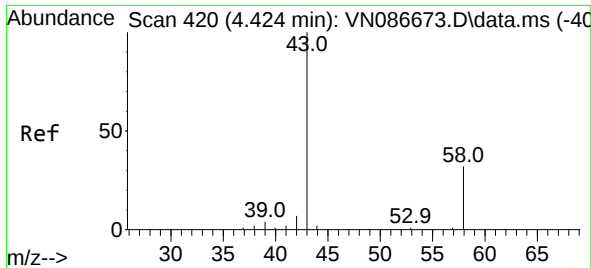
Tgt Ion:168 Resp: 240765
Ion Ratio Lower Upper
168 100
99 56.1 47.0 70.4



#4
Vinyl Chloride
Concen: 4.603 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

Tgt Ion: 62 Resp: 16258
Ion Ratio Lower Upper
62 100
64 30.5 26.9 40.3

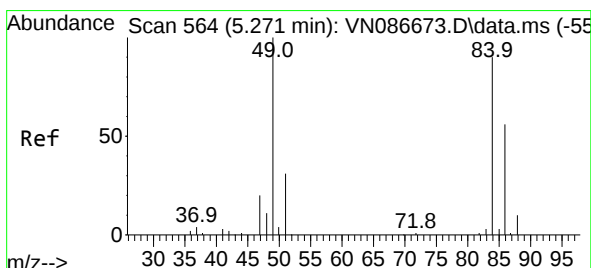
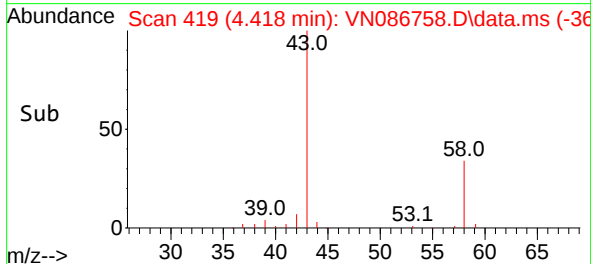
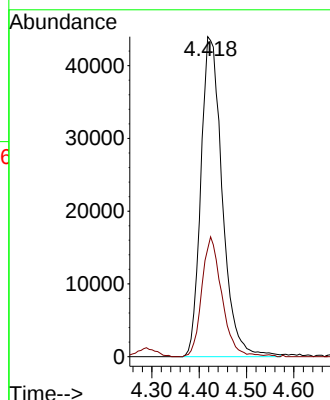
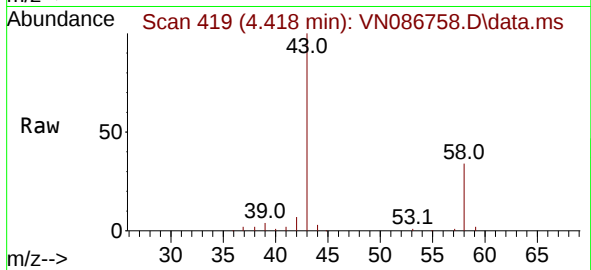




#16
Acetone
Concen: 110.831 ug/l
RT: 4.418 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

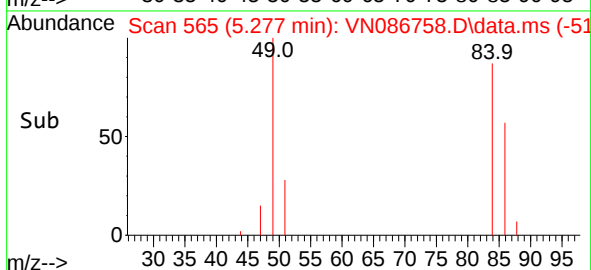
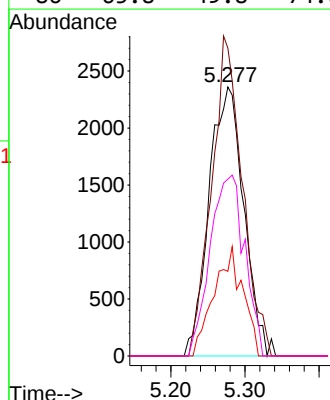
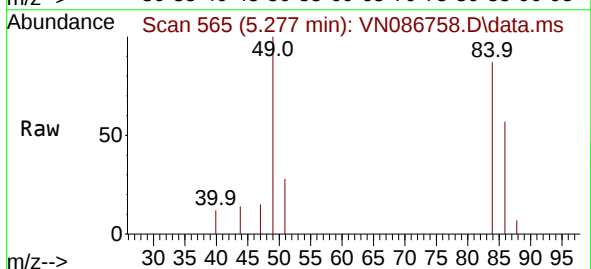
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-GRE

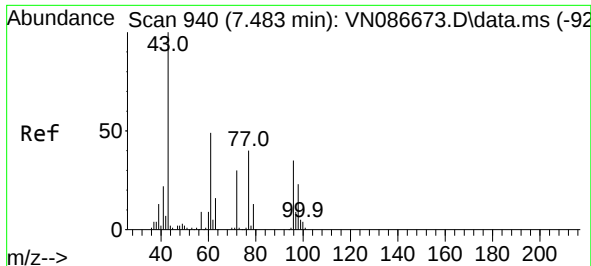
Tgt Ion: 43 Resp: 137928
Ion Ratio Lower Upper
43 100
58 33.7 25.8 38.6



#20
Methylene Chloride
Concen: 2.344 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

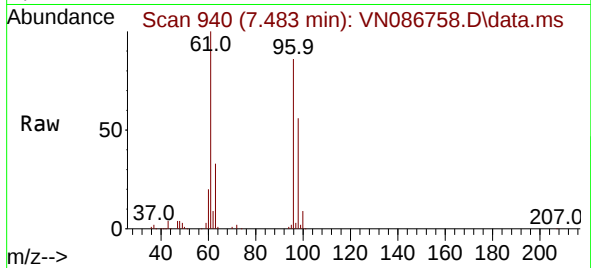
Tgt Ion: 84 Resp: 7697
Ion Ratio Lower Upper
84 100
49 114.4 88.8 133.2
51 31.5 27.8 41.6
86 65.8 49.8 74.6



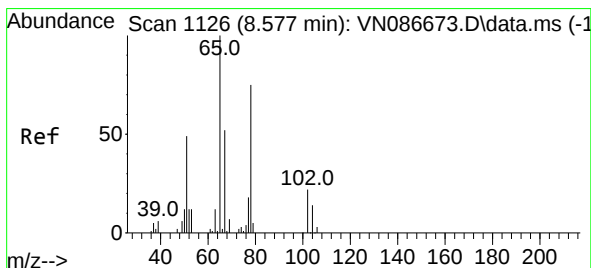
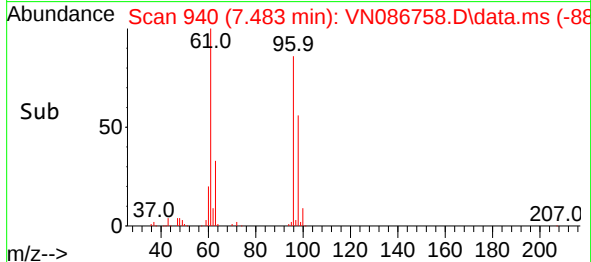
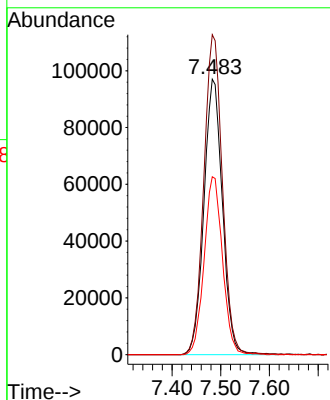


#27
cis-1,2-Dichloroethene
Concen: 73.397 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-GRE

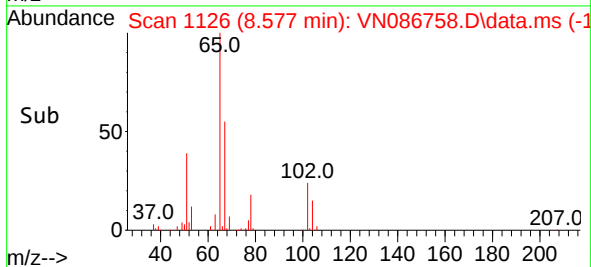
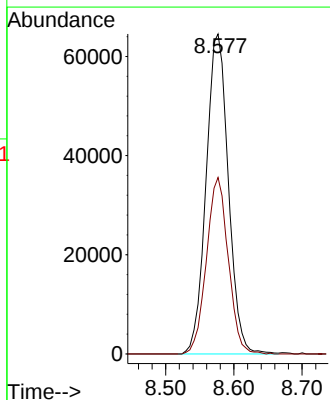
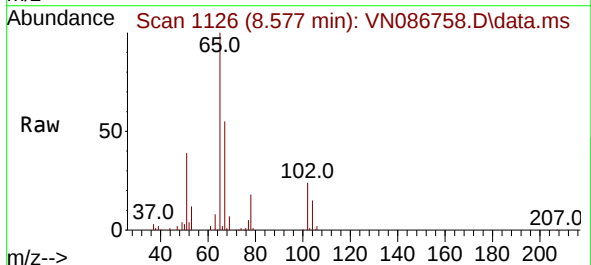


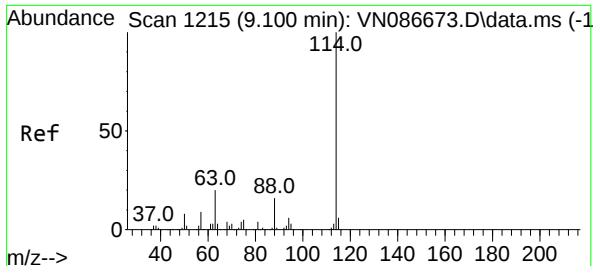
Tgt Ion: 96 Resp: 255789
Ion Ratio Lower Upper
96 100
61 116.7 0.0 277.4
98 64.0 0.0 129.6



#33
1,2-Dichloroethane-d4
Concen: 44.093 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

Tgt Ion: 65 Resp: 146696
Ion Ratio Lower Upper
65 100
67 54.0 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: VN086758.D

Acq: 22 May 2025 11:55

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-01-GRE

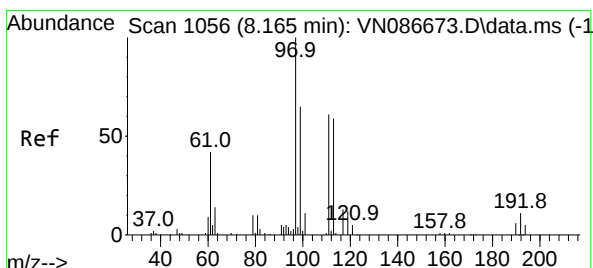
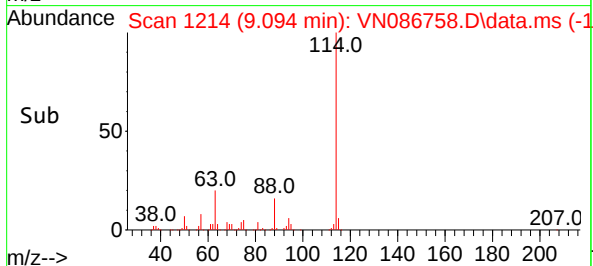
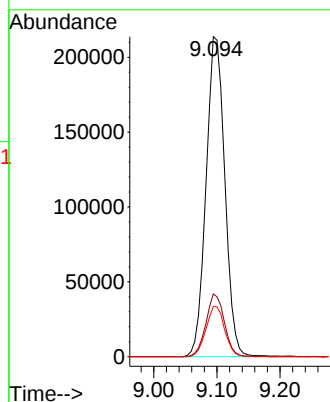
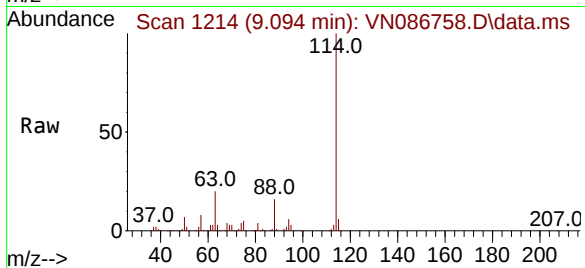
Tgt Ion:114 Resp: 441543

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.2

88 15.6 0.0 31.2



#35

Dibromofluoromethane

Concen: 33.694 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086758.D

Acq: 22 May 2025 11:55

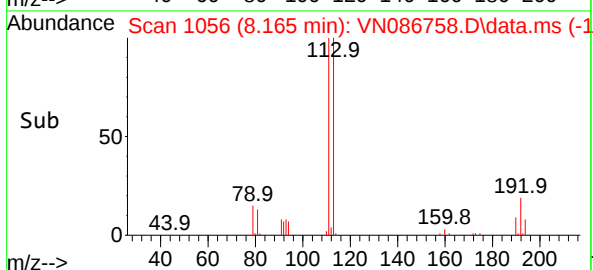
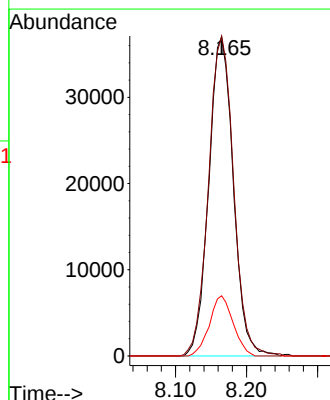
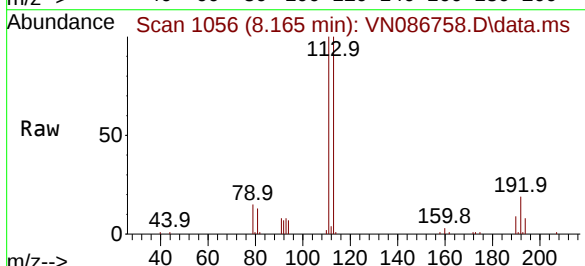
Tgt Ion:113 Resp: 88600

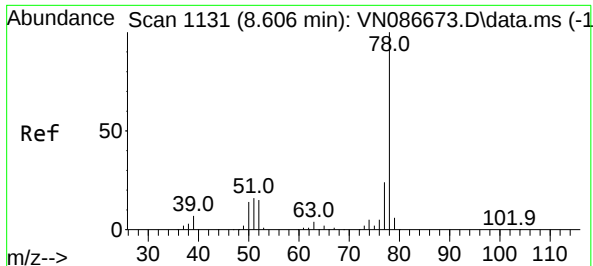
Ion Ratio Lower Upper

113 100

111 102.6 82.2 123.2

192 18.2 13.8 20.8

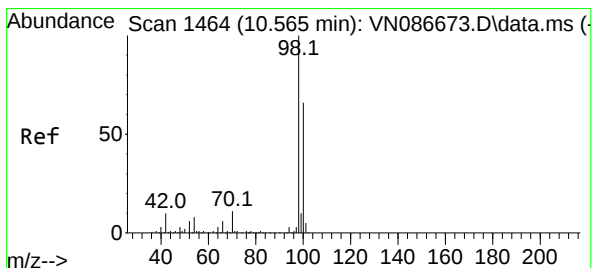
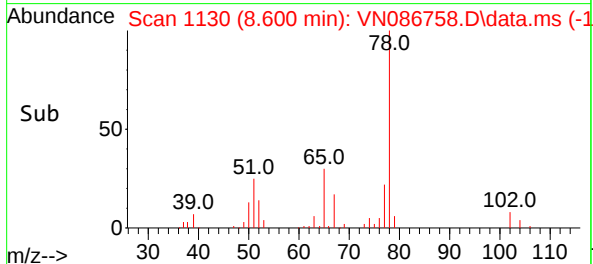
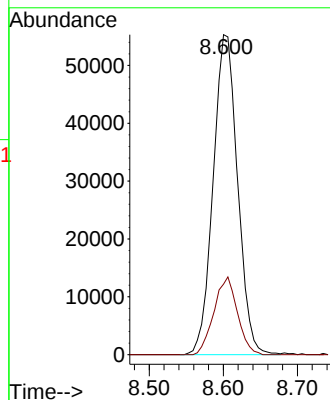
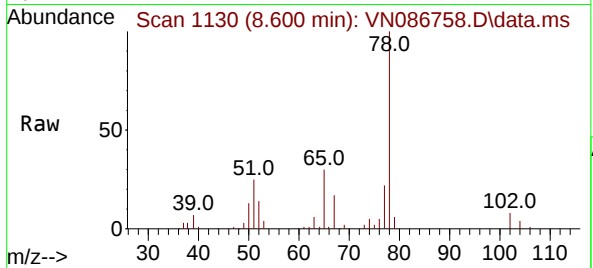




#40
Benzene
Concen: 10.008 ug/l
RT: 8.600 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

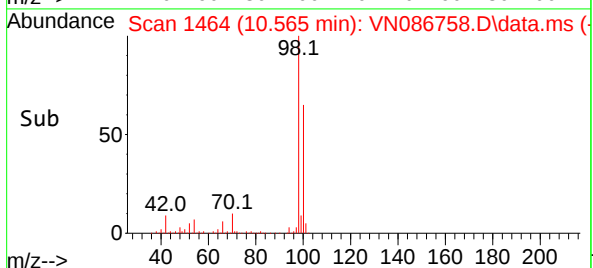
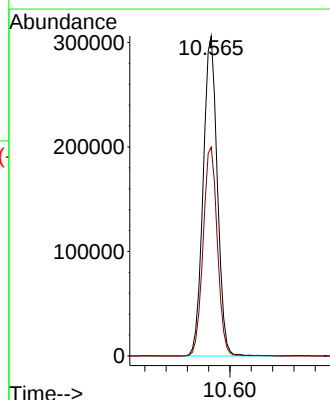
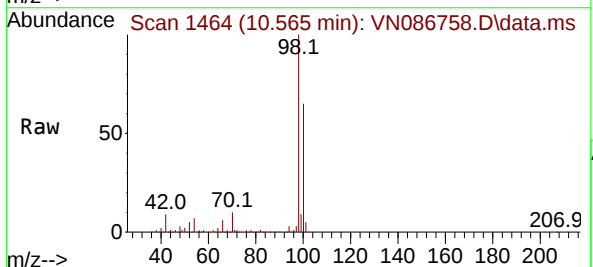
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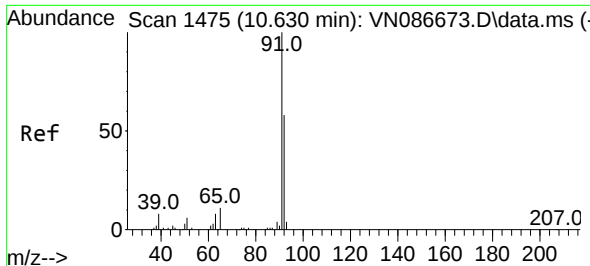
Tgt Ion: 78 Resp: 126638
Ion Ratio Lower Upper
78 100
77 22.0 19.1 28.7



#50
Toluene-d8
Concen: 51.826 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

Tgt Ion: 98 Resp: 564748
Ion Ratio Lower Upper
98 100
100 65.5 52.9 79.3

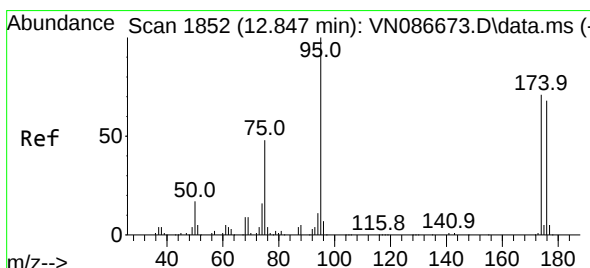
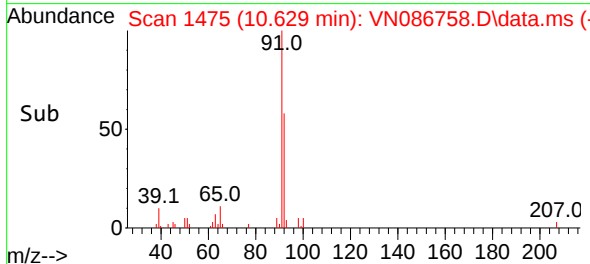
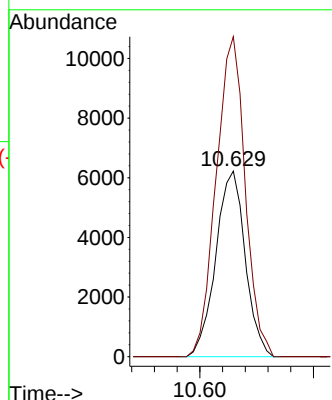
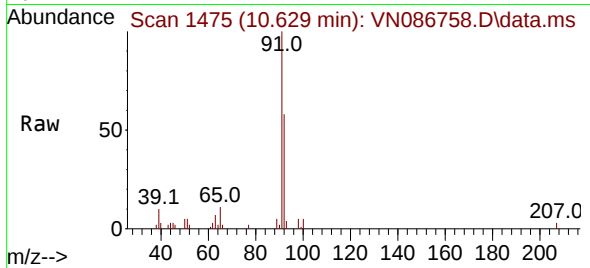




#52
Toluene
Concen: 1.423 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

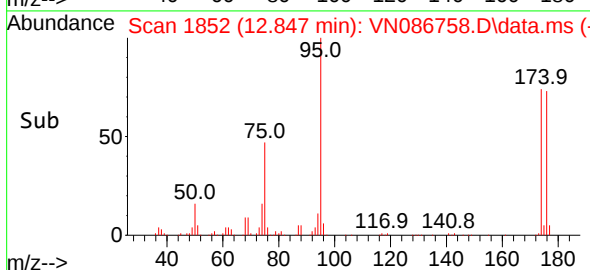
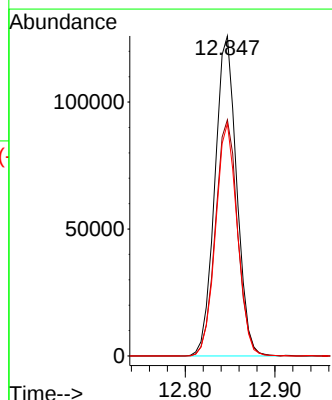
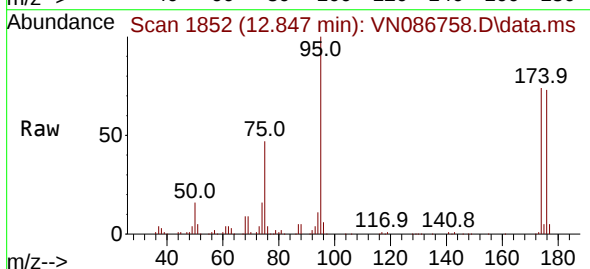
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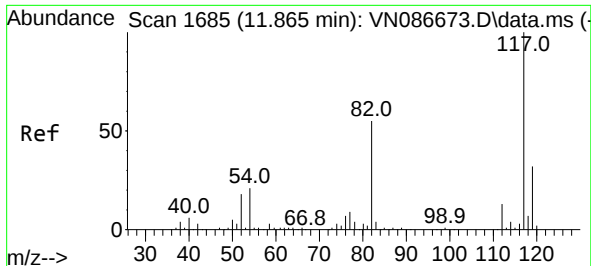
Tgt Ion: 92 Resp: 11187
Ion Ratio Lower Upper
92 100
91 170.1 137.8 206.8



#62
4-Bromofluorobenzene
Concen: 55.199 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

Tgt Ion: 95 Resp: 212391
Ion Ratio Lower Upper
95 100
174 75.0 0.0 145.4
176 72.4 0.0 137.8

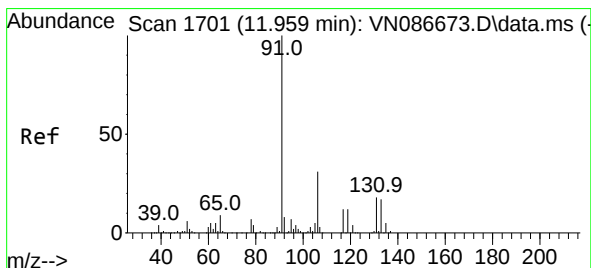
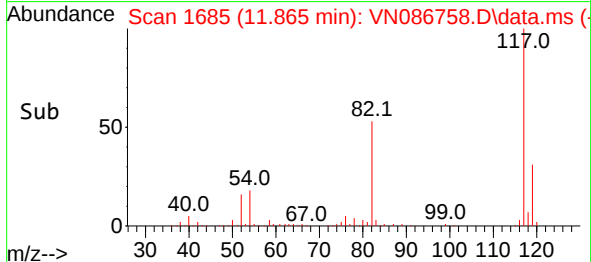
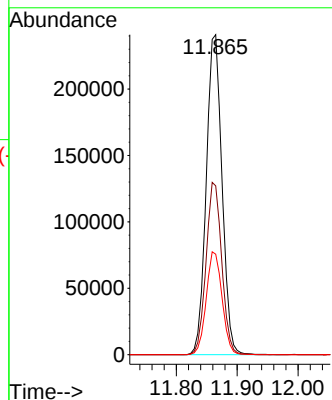
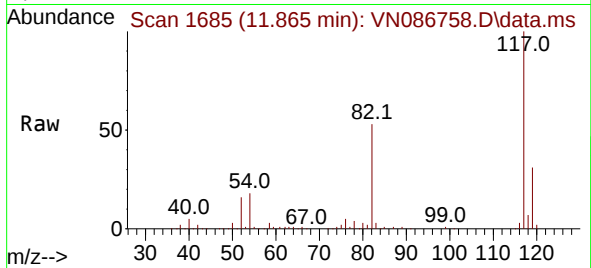




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

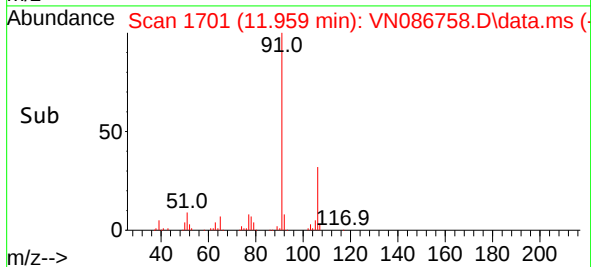
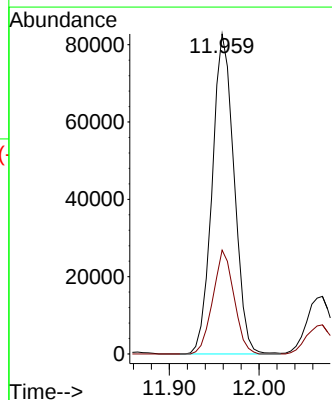
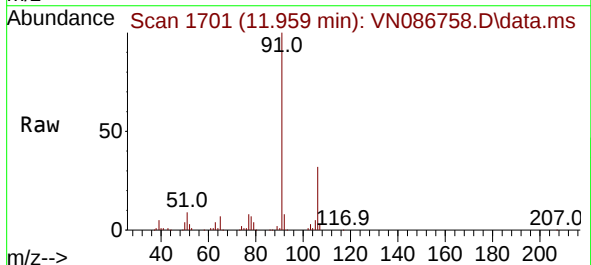
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-GRE

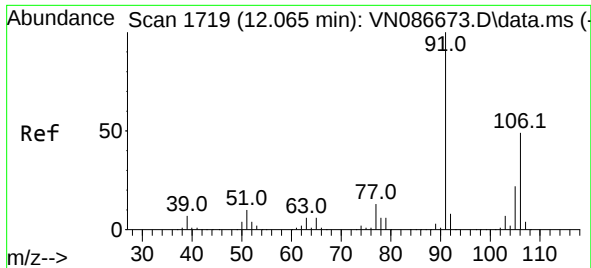
Tgt Ion:117 Resp: 433303
Ion Ratio Lower Upper
117 100
82 52.8 44.2 66.2
119 31.4 25.4 38.2



#67
Ethyl Benzene
Concen: 8.626 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

Tgt Ion: 91 Resp: 140377
Ion Ratio Lower Upper
91 100
106 32.5 24.6 36.8

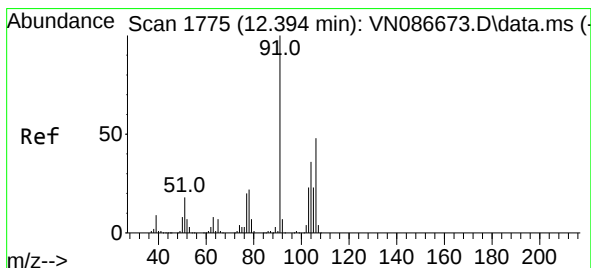
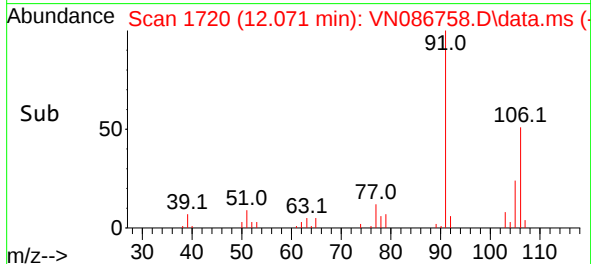
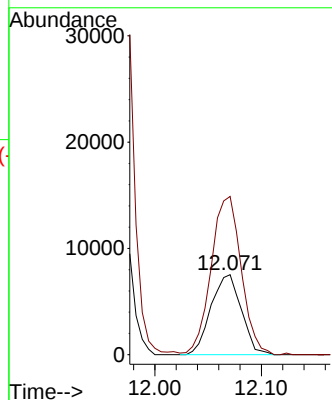
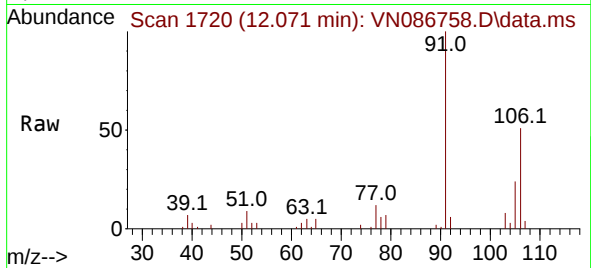




#68
m/p-Xylenes
Concen: 2.416 ug/l
RT: 12.071 min Scan# 1719
Delta R.T. 0.006 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

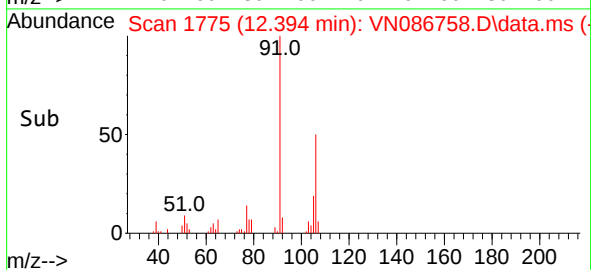
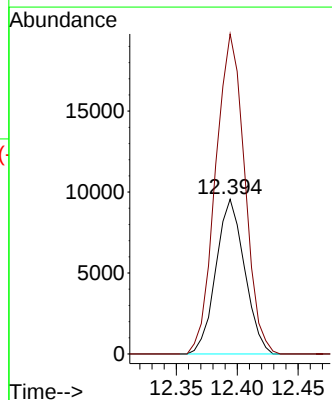
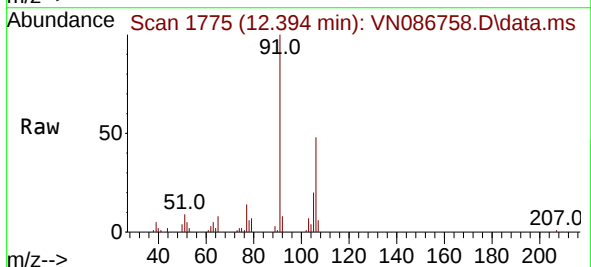
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-01-GRE

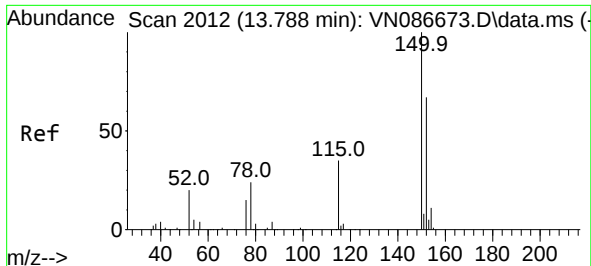
Tgt Ion:106 Resp: 14895
Ion Ratio Lower Upper
106 100
91 196.2 162.4 243.6



#69
o-Xylene
Concen: 2.551 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086758.D
Acq: 22 May 2025 11:55

Tgt Ion:106 Resp: 15631
Ion Ratio Lower Upper
106 100
91 210.4 105.1 315.1

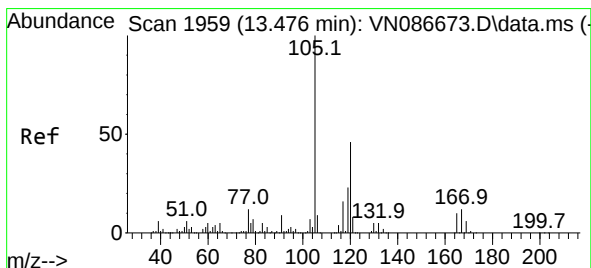
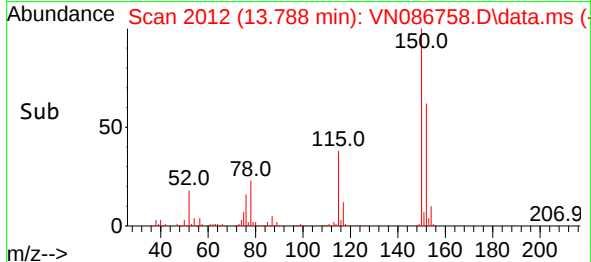
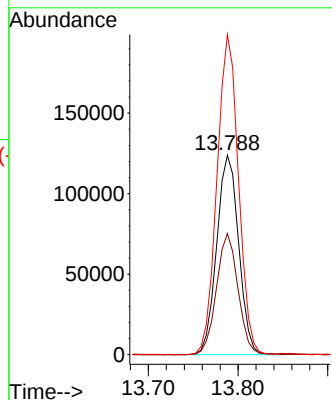
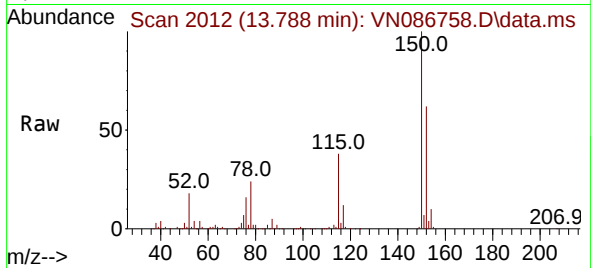




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VN086758.D
 Acq: 22 May 2025 11:55

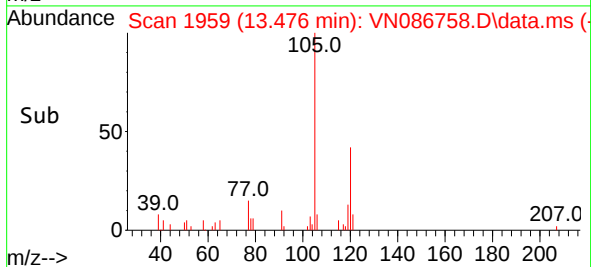
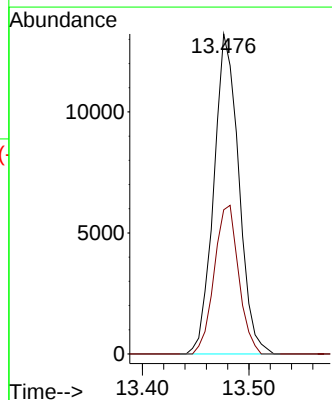
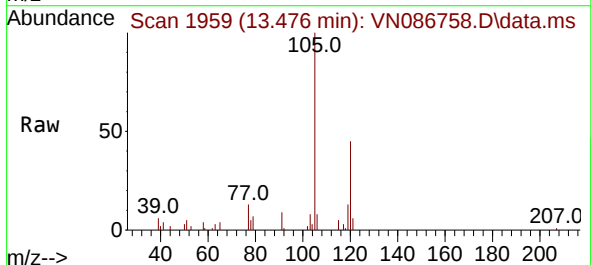
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A2-01-GRE

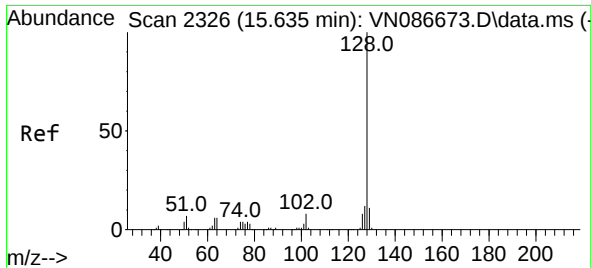
Tgt Ion:152 Resp: 210369
 Ion Ratio Lower Upper
 152 100
 115 59.6 30.0 90.1
 150 157.3 0.0 347.8



#84
 1,2,4-Trimethylbenzene
 Concen: 1.658 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.000 min
 Lab File: VN086758.D
 Acq: 22 May 2025 11:55

Tgt Ion:105 Resp: 21489
 Ion Ratio Lower Upper
 105 100
 120 45.3 23.2 69.6





#95

Naphthalene

Concen: 138.418 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN086758.D

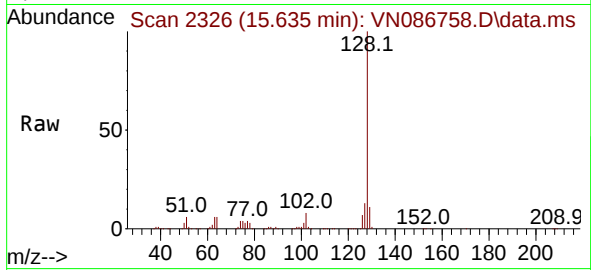
Acq: 22 May 2025 11:55

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-01-GRE



Tgt Ion:128 Resp: 1365634

Ion Ratio Lower Upper

128 100

127 12.7 10.1 15.1

129 11.0 8.6 13.0

