

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050525\
 Data File : VN086490.D
 Acq On : 05 May 2025 16:49
 Operator : JC\MD
 Sample : Q1929-09RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A1-04-GRE

Quant Time: May 06 01:46:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

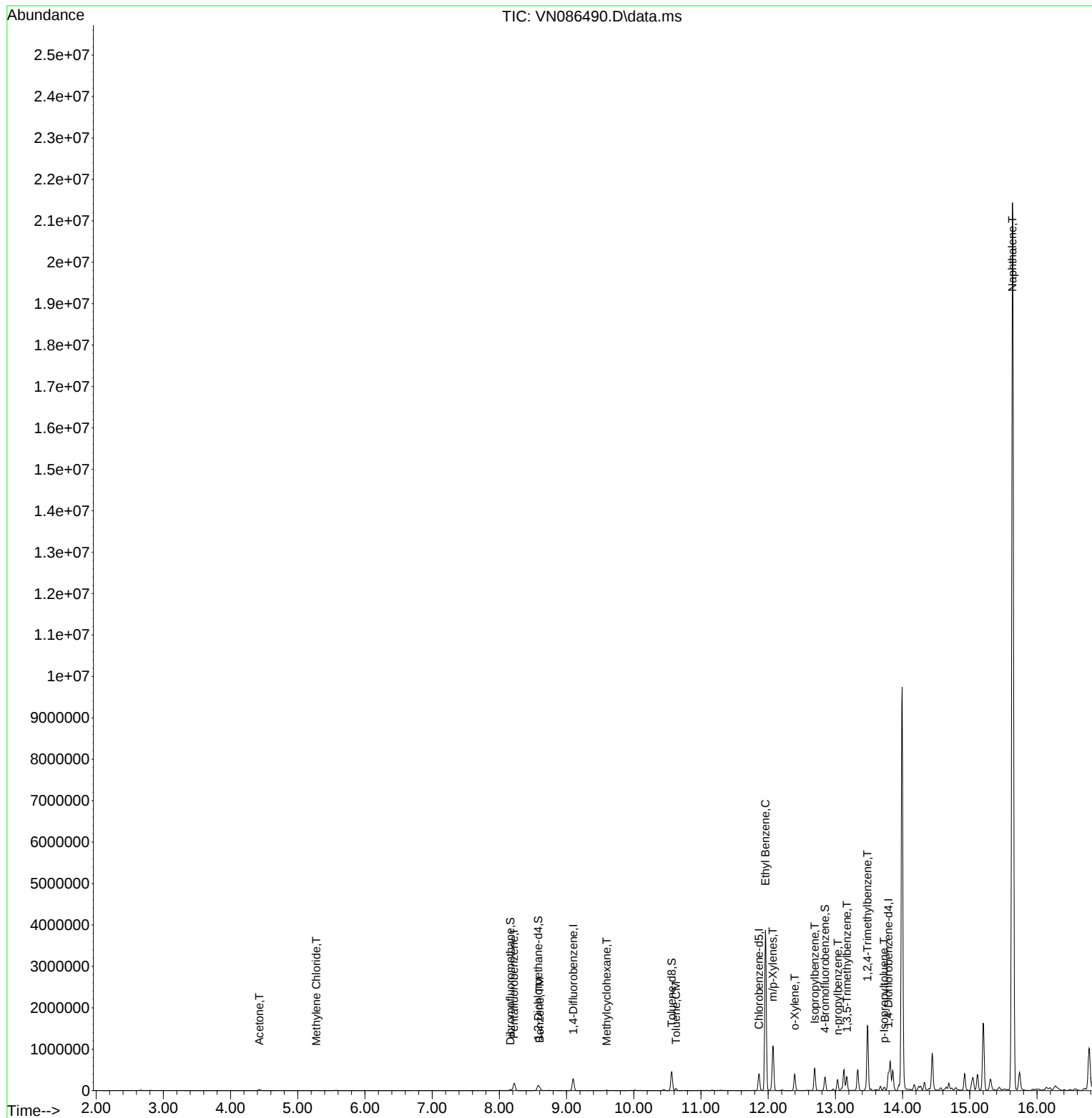
Internal Standards						
1) Pentafluorobenzene	8.218	168	131562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	251143	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	237065	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	109954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	95097	49.847	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.700%		
35) Dibromofluoromethane	8.165	113	19073	16.363	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	32.720%#		
50) Toluene-d8	10.565	98	320992	51.528	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.060%		
62) 4-Bromofluorobenzene	12.847	95	117322	51.635	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	103.260%		
Target Compounds					Qvalue	
16) Acetone	4.430	43	42074	59.438	ug/l	99
20) Methylene Chloride	5.277	84	4418	2.505	ug/l	91
39) Methylcyclohexane	9.594	83	4401	1.590	ug/l	95
40) Benzene	8.600	78	55452	7.434	ug/l	100
52) Toluene	10.630	92	22107	4.750	ug/l	97
67) Ethyl Benzene	11.959	91	2860567	299.636	ug/l	99
68) m/p-Xylenes	12.071	106	336282	94.008	ug/l	98
69) o-Xylene	12.394	106	109632	30.991	ug/l	99
73) Isopropylbenzene	12.694	105	368163	40.932	ug/l	99
78) n-propylbenzene	13.035	91	216866	20.461	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	170901	23.215	ug/l	93
84) 1,2,4-Trimethylbenzene	13.476	105	899772	120.073	ug/l	98
86) p-Isopropyltoluene	13.723	119	30969	4.247	ug/l #	77
95) Naphthalene	15.635	128	18328056	2972.686	ug/l	95

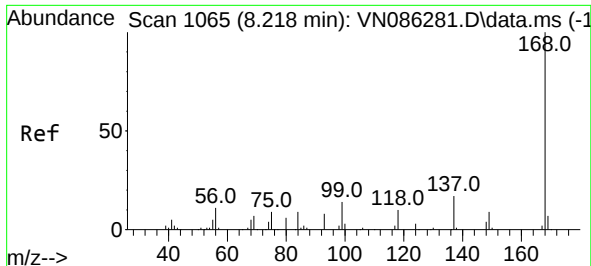
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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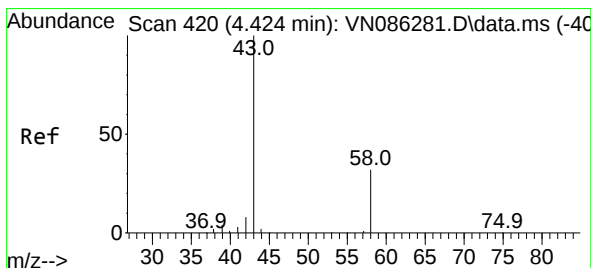
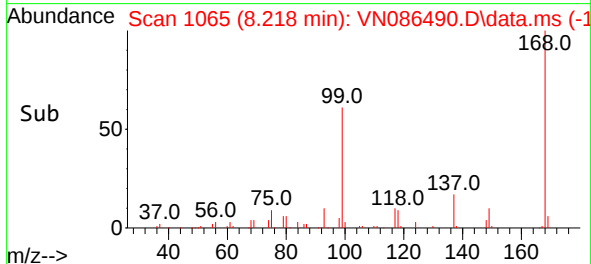
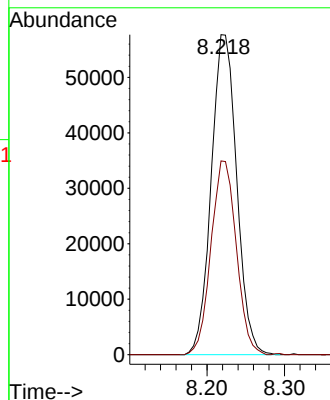
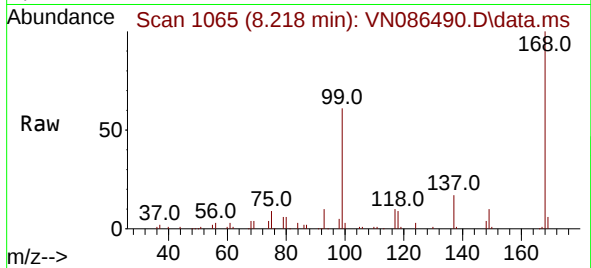




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

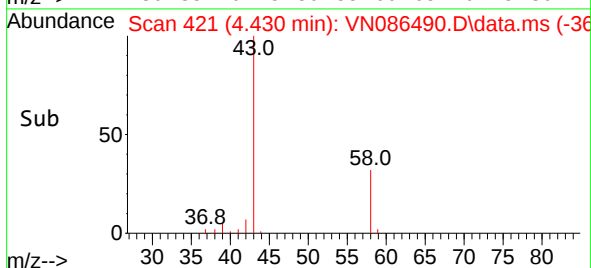
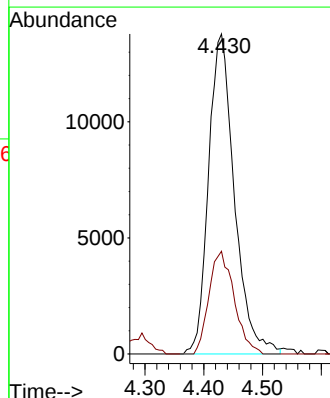
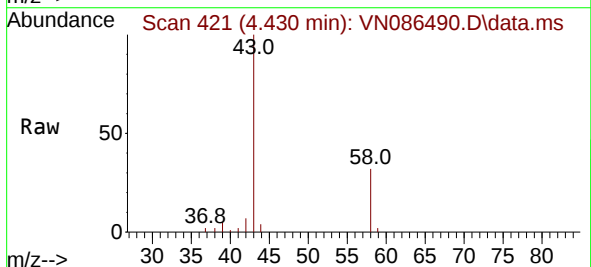
Instrument :
MSVOA_N
ClientSampleId :
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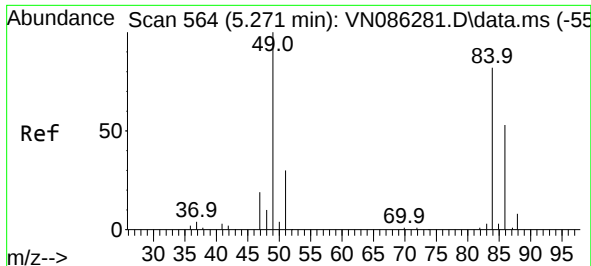
Tgt Ion:168 Resp: 131562
Ion Ratio Lower Upper
168 100
99 60.5 52.5 78.7



#16
Acetone
Concen: 59.438 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

Tgt Ion: 43 Resp: 42074
Ion Ratio Lower Upper
43 100
58 32.1 25.3 37.9

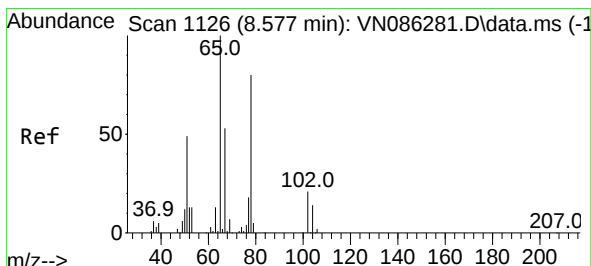
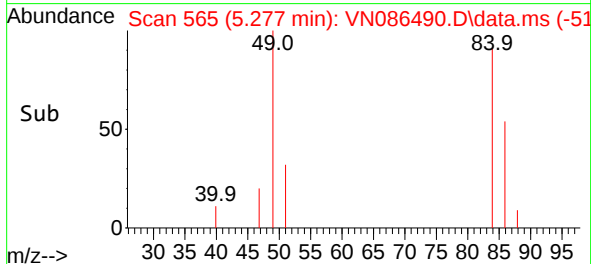
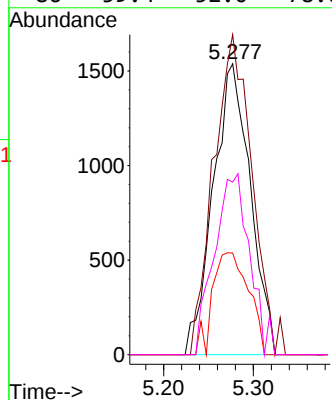
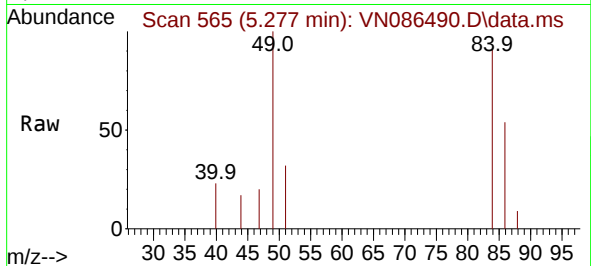




#20
Methylene Chloride
Concen: 2.505 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

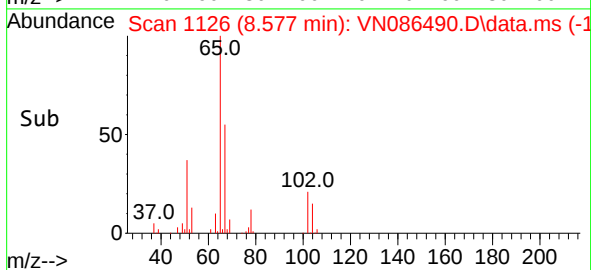
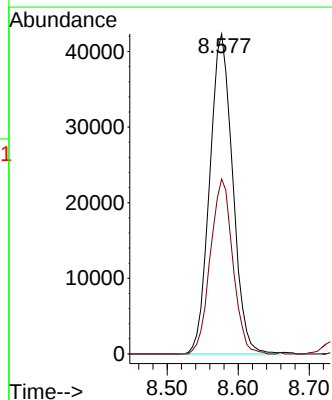
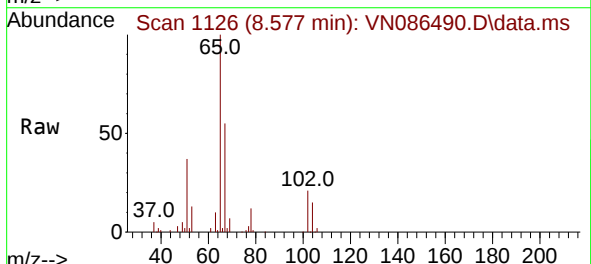
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-04-GRE

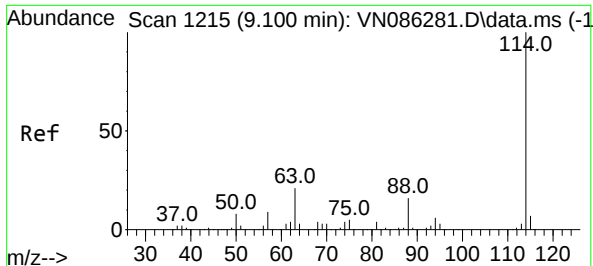
Tgt Ion:	84	Resp:	4418
Ion	Ratio	Lower	Upper
84	100		
49	110.0	98.2	147.2
51	34.9	29.8	44.6
86	59.4	52.0	78.0



#33
1,2-Dichloroethane-d4
Concen: 49.847 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

Tgt Ion:	65	Resp:	95097
Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086490.D

Acq: 05 May 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

WC-A1-04-GRE

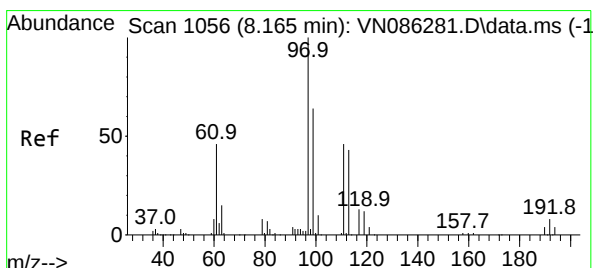
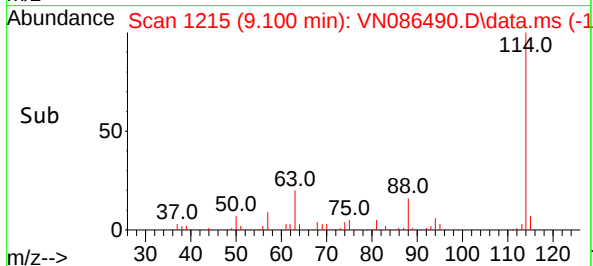
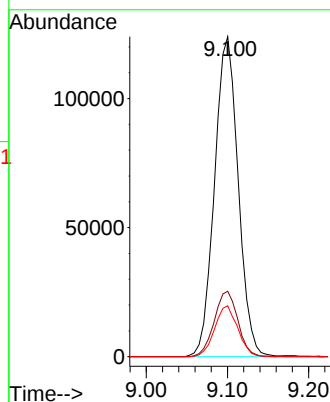
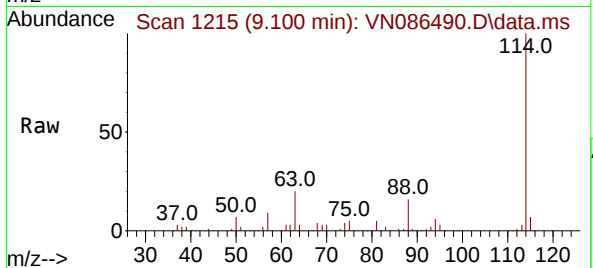
Tgt Ion:114 Resp: 251143

Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.6

88 15.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 16.363 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086490.D

Acq: 05 May 2025 16:49

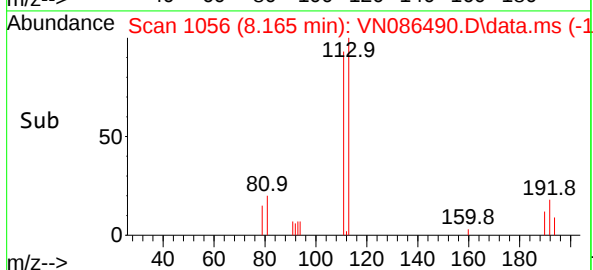
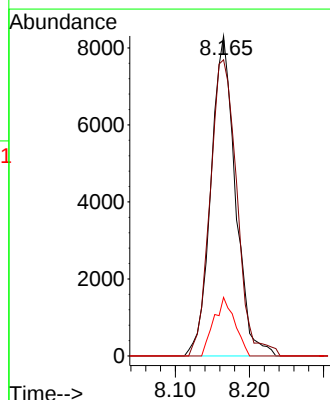
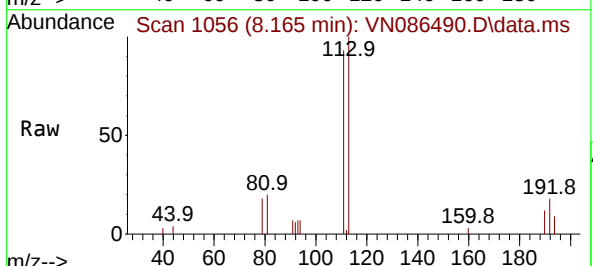
Tgt Ion:113 Resp: 19073

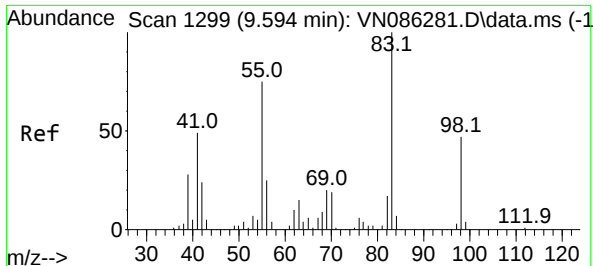
Ion Ratio Lower Upper

113 100

111 101.0 83.4 125.0

192 15.7 13.7 20.5





#39

Methylcyclohexane

Concen: 1.590 ug/l

RT: 9.594 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN086490.D

Acq: 05 May 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

WC-A1-04-GRE

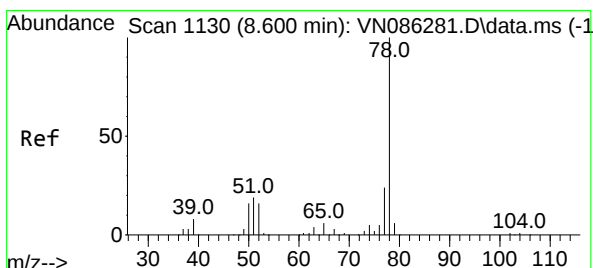
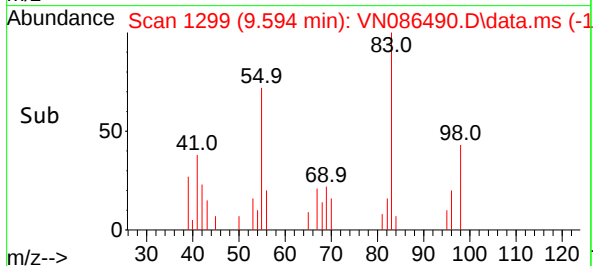
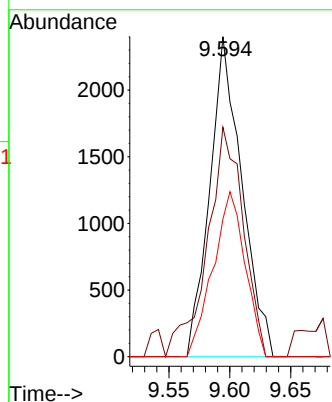
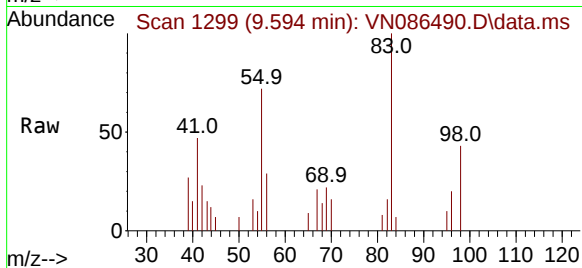
Tgt Ion: 83 Resp: 4401

Ion Ratio Lower Upper

83 100

55 71.7 59.8 89.8

98 43.0 37.9 56.9



#40

Benzene

Concen: 7.434 ug/l

RT: 8.600 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN086490.D

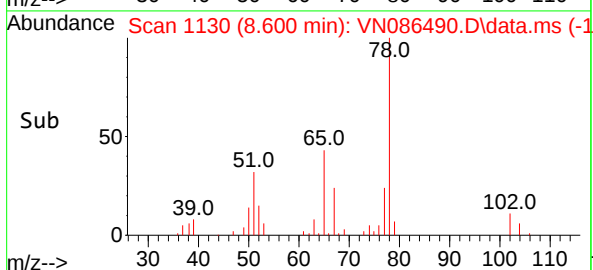
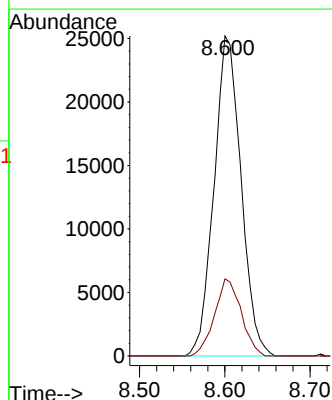
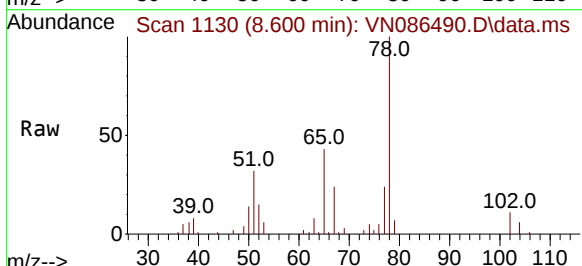
Acq: 05 May 2025 16:49

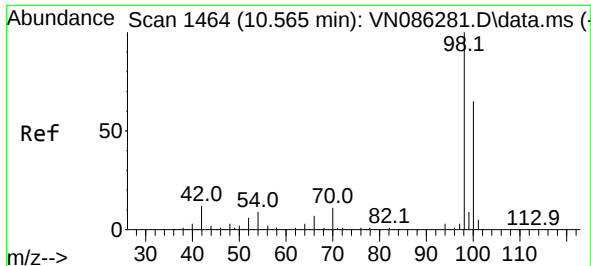
Tgt Ion: 78 Resp: 55452

Ion Ratio Lower Upper

78 100

77 24.1 19.4 29.2

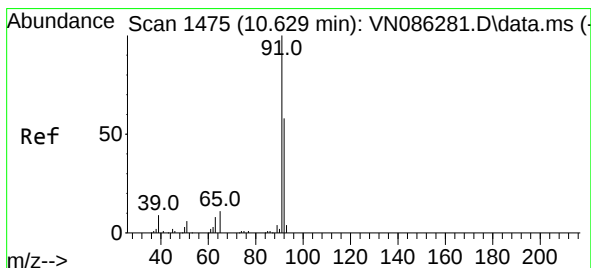
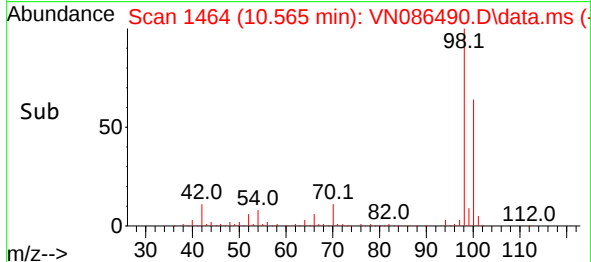
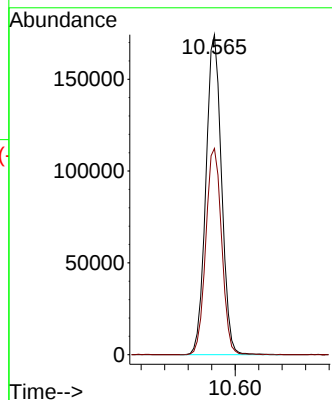
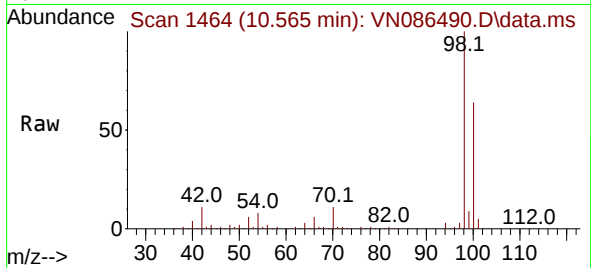




#50
Toluene-d8
Concen: 51.528 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

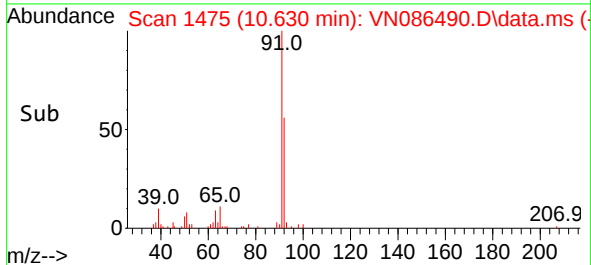
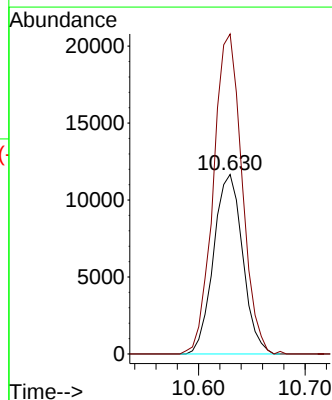
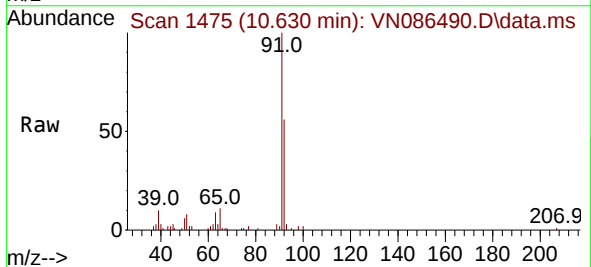
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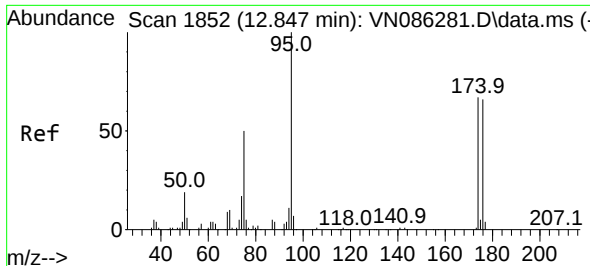
Tgt Ion: 98 Resp: 320992
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#52
Toluene
Concen: 4.750 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

Tgt Ion: 92 Resp: 22107
Ion Ratio Lower Upper
92 100
91 175.7 137.3 205.9

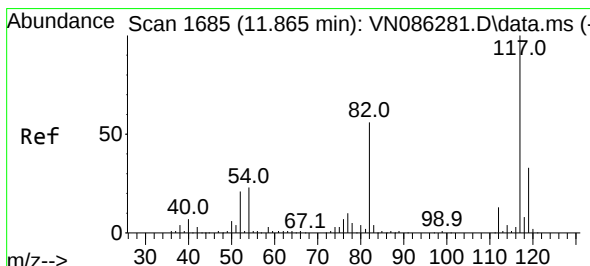
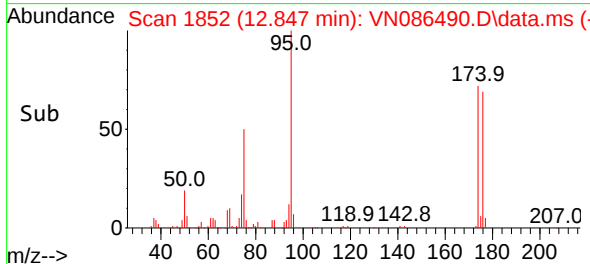
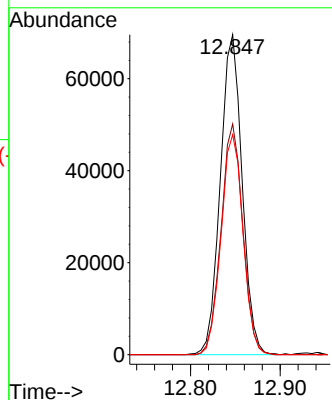
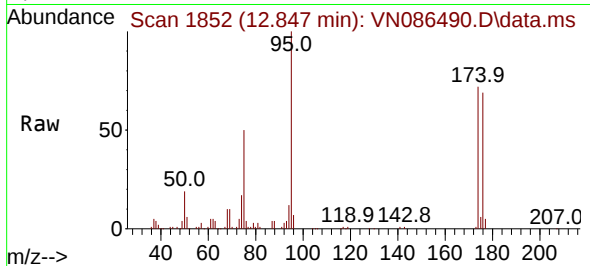




#62
4-Bromofluorobenzene
Concen: 51.635 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

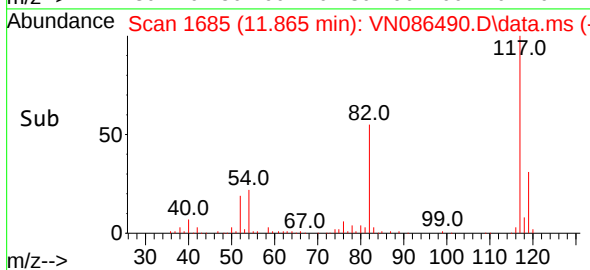
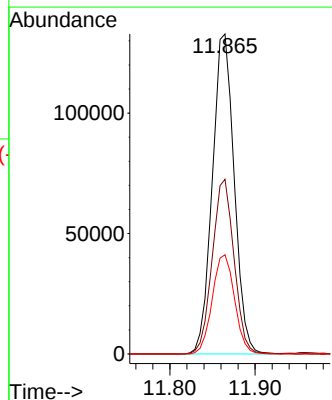
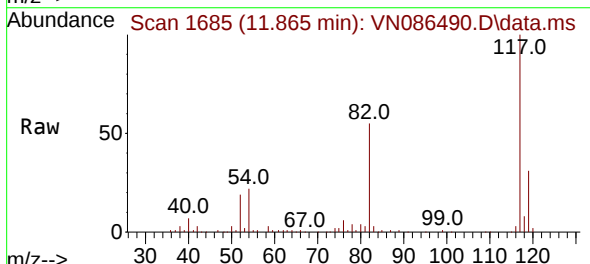
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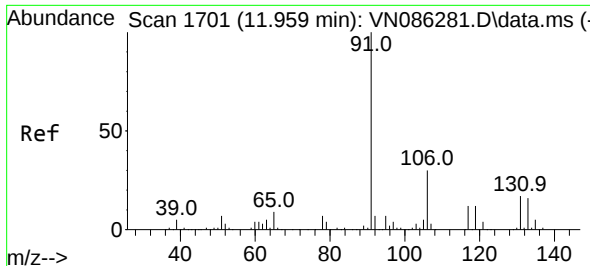
Tgt Ion: 95 Resp: 117322
Ion Ratio Lower Upper
95 100
174 72.0 0.0 133.4
176 69.2 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

Tgt Ion: 117 Resp: 237065
Ion Ratio Lower Upper
117 100
82 54.6 44.7 67.1
119 31.0 26.4 39.6

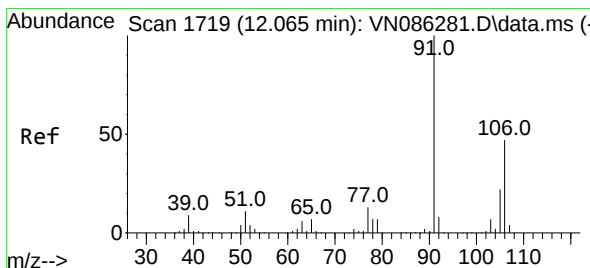
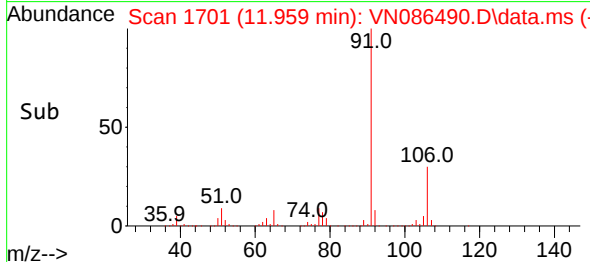
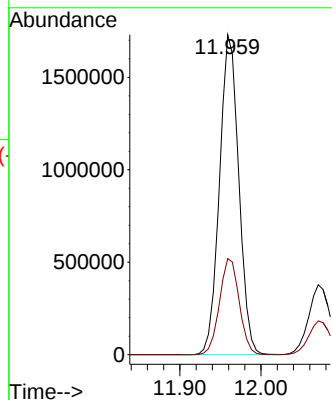
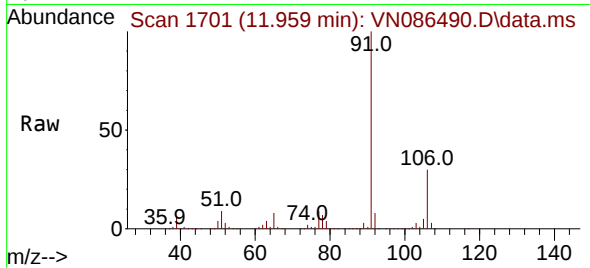




#67
Ethyl Benzene
Concen: 299.636 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

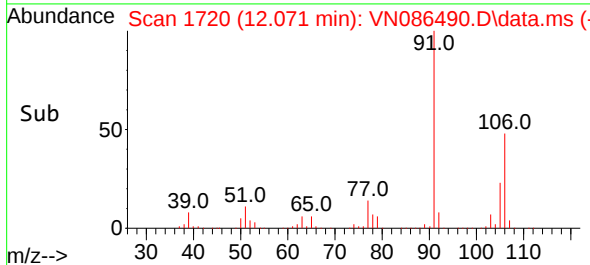
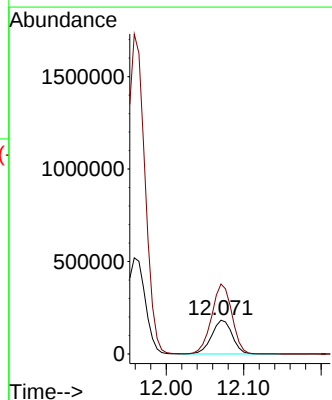
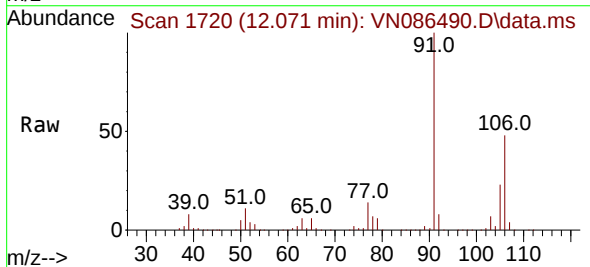
Instrument :
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WC-A1-04-GRE

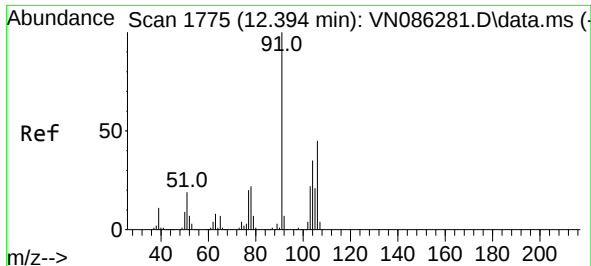
Tgt Ion: 91 Resp: 2860567
Ion Ratio Lower Upper
91 100
106 30.1 24.3 36.5



#68
m/p-Xylenes
Concen: 94.008 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.006 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

Tgt Ion:106 Resp: 336282
Ion Ratio Lower Upper
106 100
91 205.0 166.5 249.7

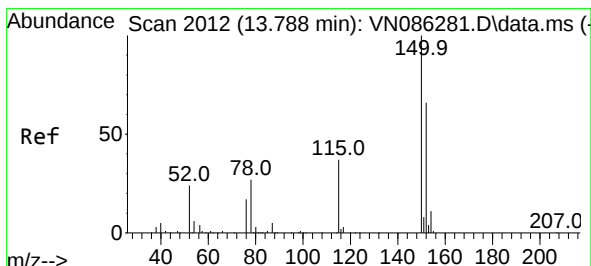
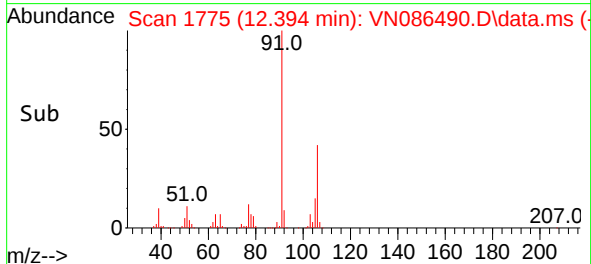
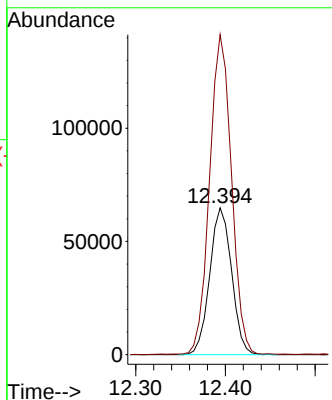
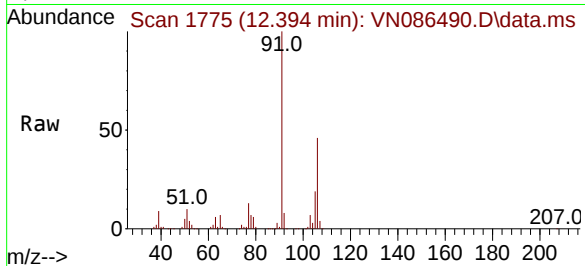




#69
o-Xylene
Concen: 30.991 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

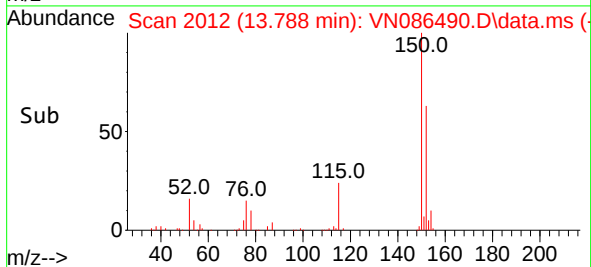
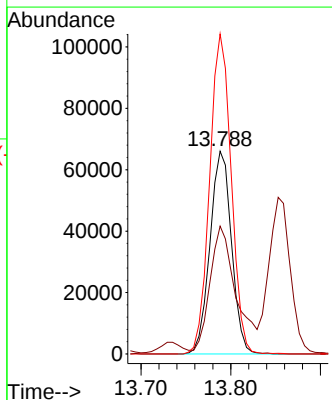
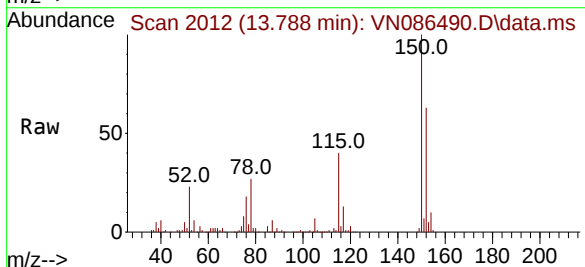
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-04-GRE

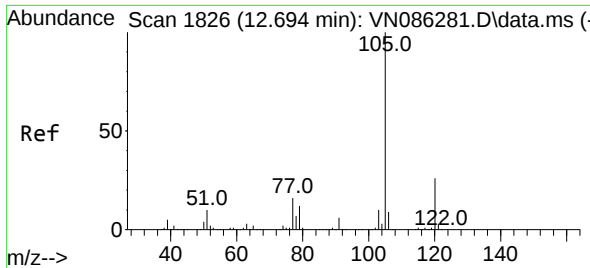
Tgt Ion:106 Resp: 109632
Ion Ratio Lower Upper
106 100
91 217.8 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

Tgt Ion:152 Resp: 109954
Ion Ratio Lower Upper
152 100
115 72.6 31.9 95.9
150 157.9 0.0 352.0

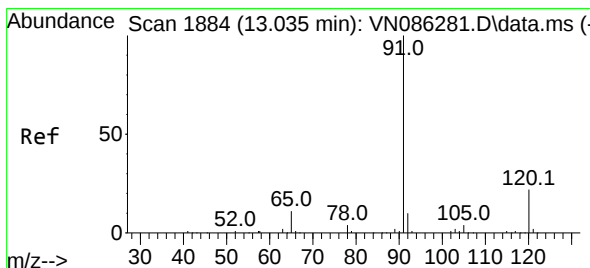
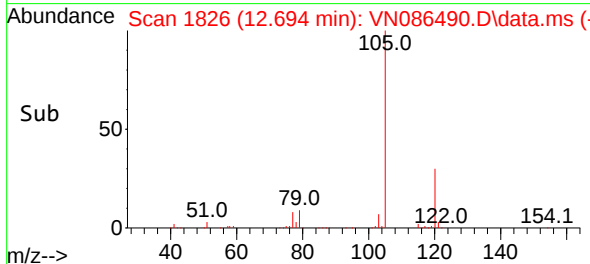
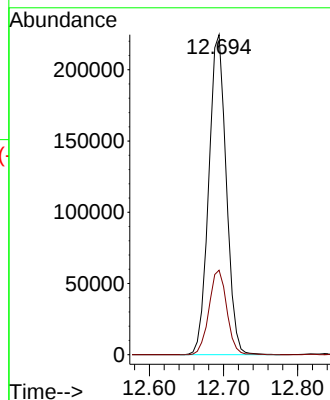
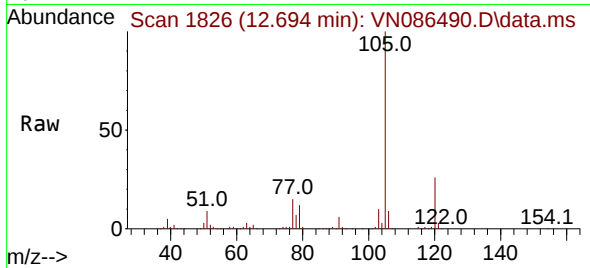




#73
Isopropylbenzene
Concen: 40.932 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

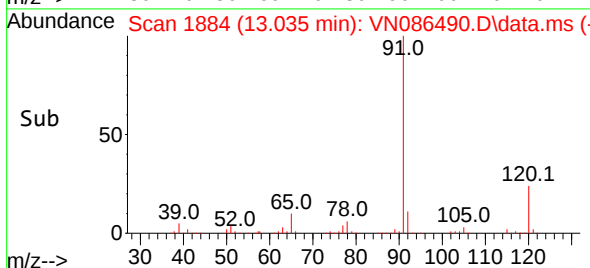
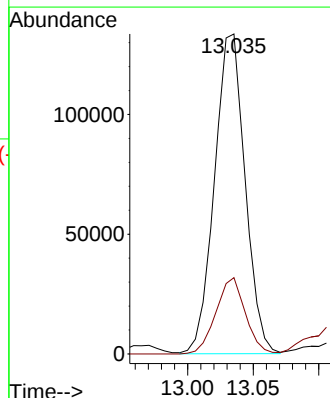
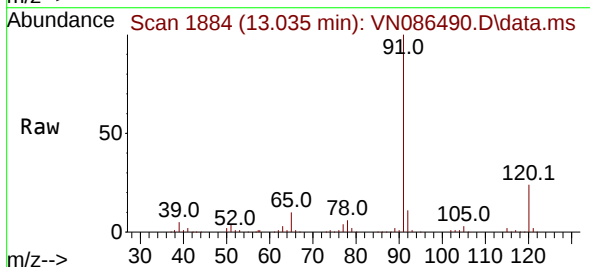
Instrument :
MSVOA_N
ClientSampleId :
WC-A1-04-GRE

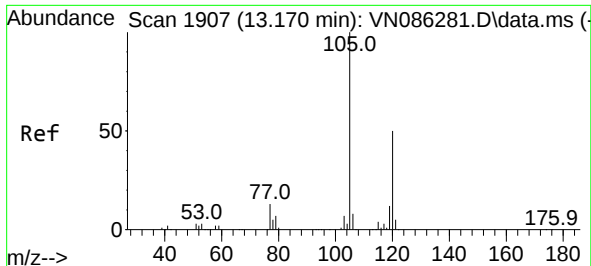
Tgt Ion:105 Resp: 368163
Ion Ratio Lower Upper
105 100
120 26.9 13.1 39.3



#78
n-propylbenzene
Concen: 20.461 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN086490.D
Acq: 05 May 2025 16:49

Tgt Ion: 91 Resp: 216866
Ion Ratio Lower Upper
91 100
120 23.0 11.1 33.3

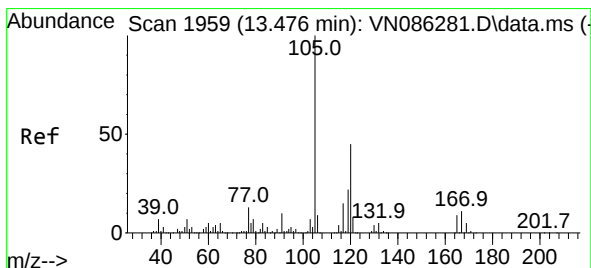
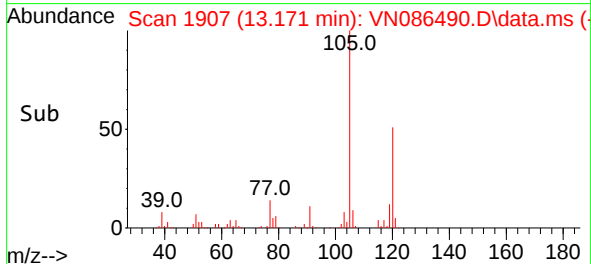
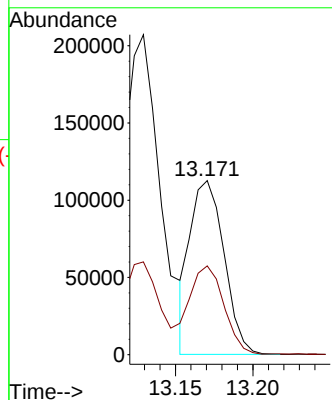
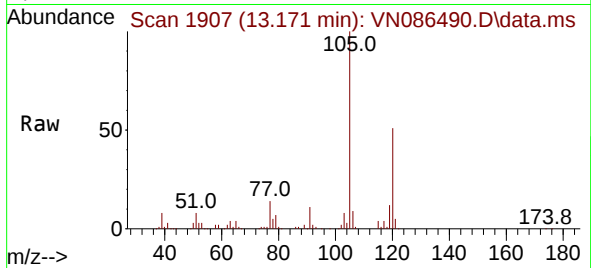




#80
 1,3,5-Trimethylbenzene
 Concen: 23.215 ug/l
 RT: 13.171 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VN086490.D
 Acq: 05 May 2025 16:49

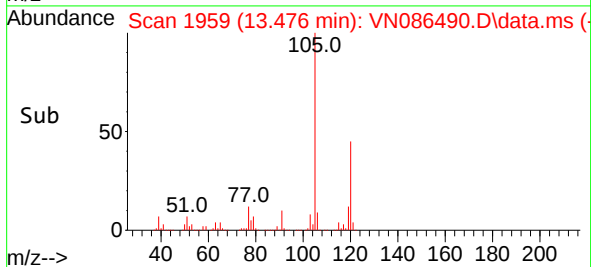
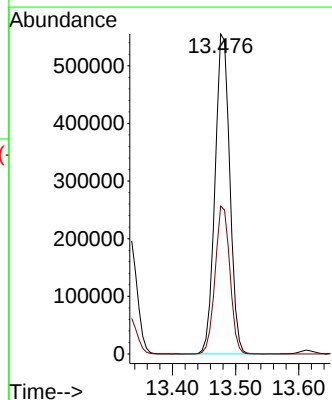
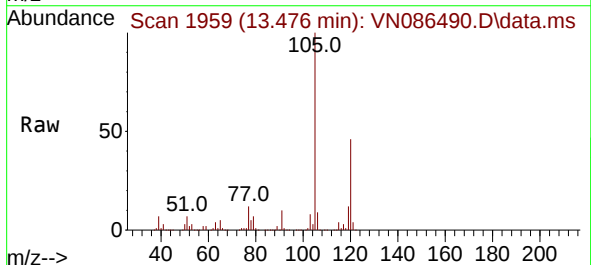
Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A1-04-GRE

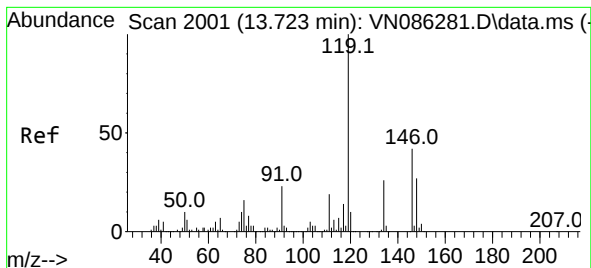
Tgt Ion:105 Resp: 170901
 Ion Ratio Lower Upper
 105 100
 120 53.5 24.5 73.5



#84
 1,2,4-Trimethylbenzene
 Concen: 120.073 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. 0.000 min
 Lab File: VN086490.D
 Acq: 05 May 2025 16:49

Tgt Ion:105 Resp: 899772
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.4 67.3





#86

p-Isopropyltoluene

Concen: 4.247 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VN086490.D

Acq: 05 May 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

WC-A1-04-GRE

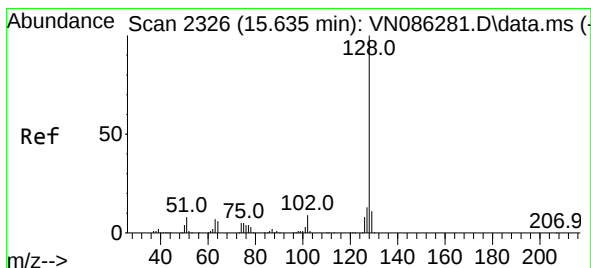
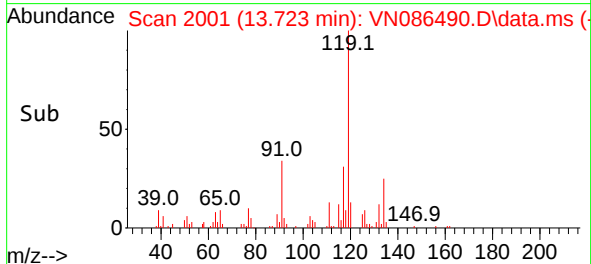
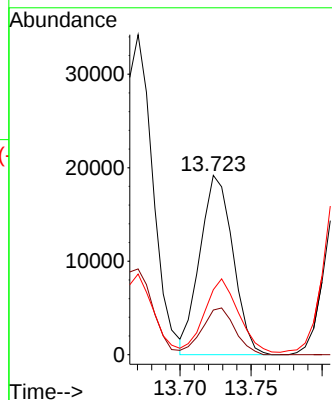
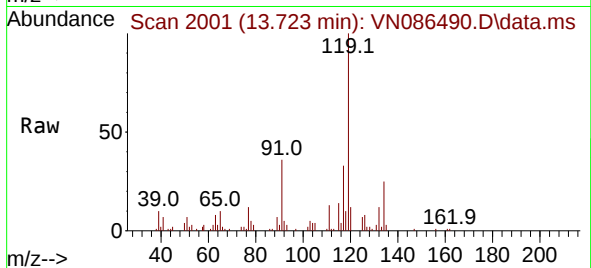
Tgt Ion:119 Resp: 30969

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

91 0.0 11.9 35.9#



#95

Naphthalene

Concen: 2972.686 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN086490.D

Acq: 05 May 2025 16:49

Tgt Ion:128 Resp:18328056

Ion Ratio Lower Upper

128 100

127 14.9 10.2 15.4

129 12.6 8.6 13.0

