

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
 Data File : VN086900.D
 Acq On : 09 Jun 2025 13:21
 Operator : JC\MD
 Sample : Q2236-17RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A2-07-GRE

Quant Time: Jun 10 03:31:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

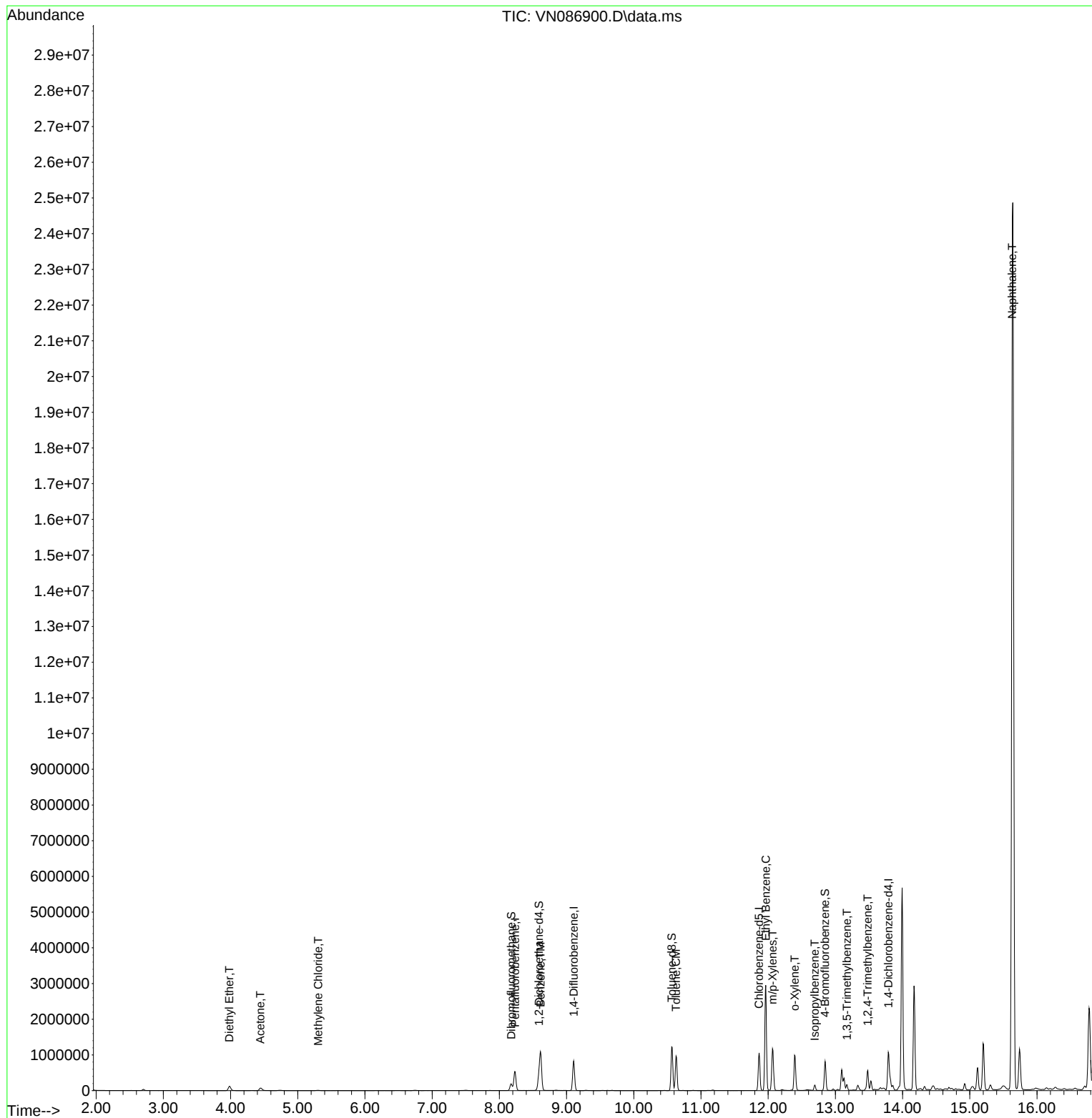
Internal Standards						
1) Pentafluorobenzene	8.235	168	440181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	778135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	670848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	315094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	252339	42.816	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.640%
35) Dibromofluoromethane	8.177	113	146751	31.823	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	63.640%#
50) Toluene-d8	10.565	98	923534	50.590	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.180%
62) 4-Bromofluorobenzene	12.847	95	323959	47.765	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	95.520%
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.983	74	84139	25.282	ug/l	93
16) Acetone	4.442	43	140182	44.853	ug/l	100
20) Methylene Chloride	5.306	84	6945	1.187	ug/l	91
40) Benzene	8.612	78	1148530	51.114	ug/l	100
52) Toluene	10.629	92	467084	34.014	ug/l	100
67) Ethyl Benzene	11.965	91	2299298	90.220	ug/l	99
68) m/p-Xylenes	12.065	106	419226	42.972	ug/l	98
69) o-Xylene	12.394	106	297633	31.854	ug/l	97
73) Isopropylbenzene	12.694	105	108193	4.713	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	90895	4.796	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	340049	17.893	ug/l	99
95) Naphthalene	15.629	128	21764312	920.202	ug/l #	91

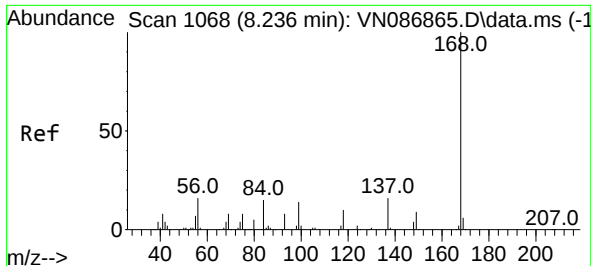
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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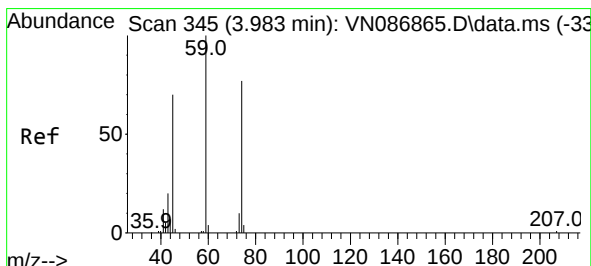
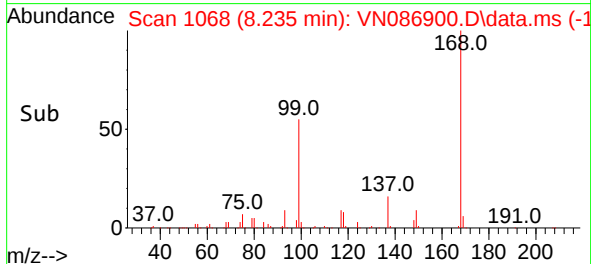
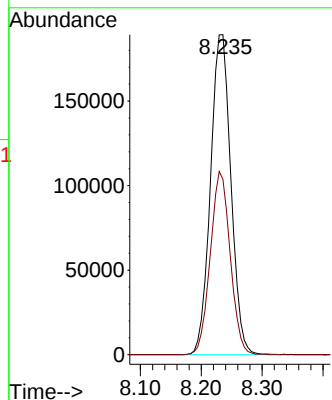
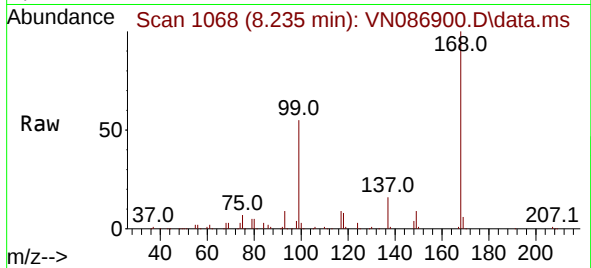




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

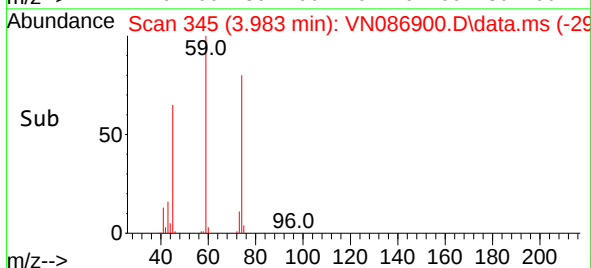
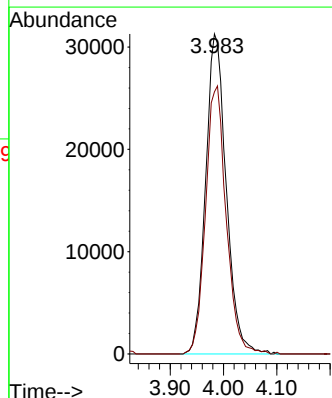
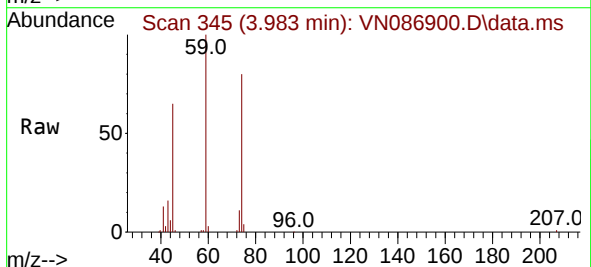
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

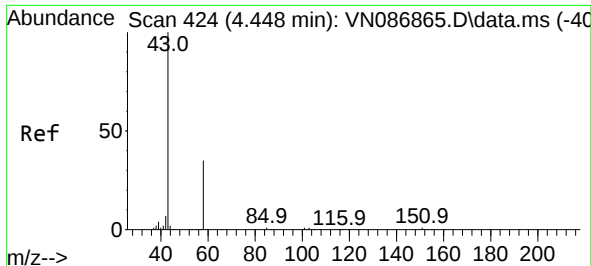
Tgt Ion:168 Resp: 440181
Ion Ratio Lower Upper
168 100
99 54.8 49.1 73.7



#8
Diethyl Ether
Concen: 25.282 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion: 74 Resp: 84139
Ion Ratio Lower Upper
74 100
45 83.9 45.5 136.5

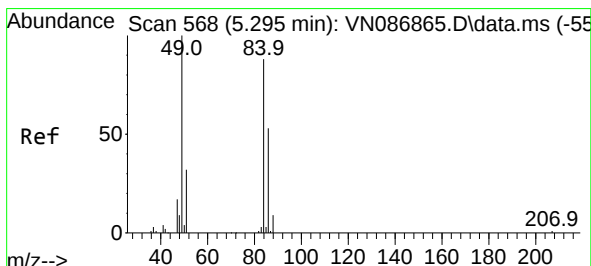
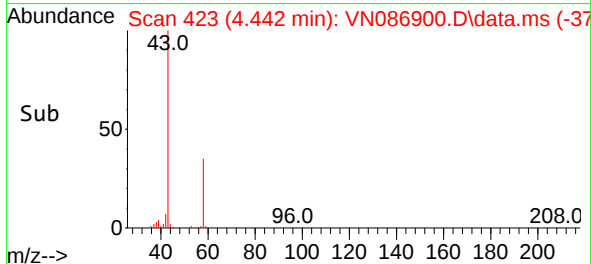
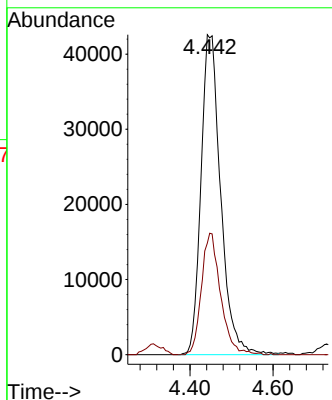
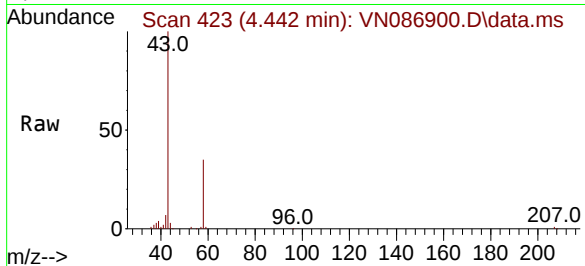




#16
Acetone
Concen: 44.853 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

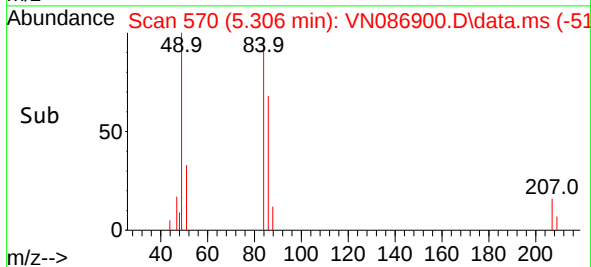
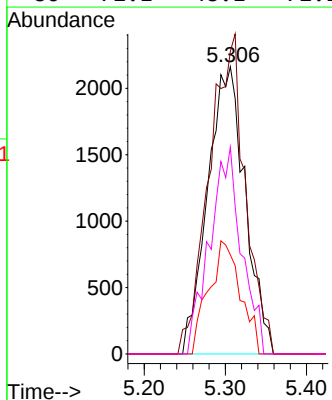
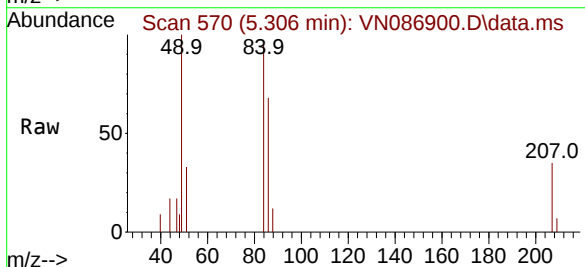
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

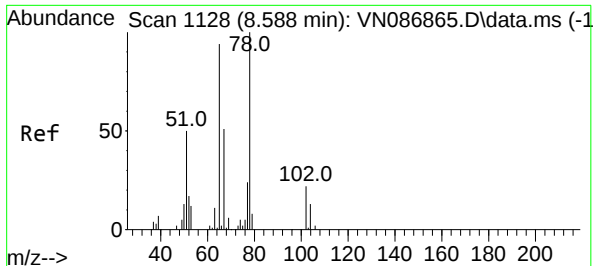
Tgt Ion: 43 Resp: 140182
Ion Ratio Lower Upper
43 100
58 34.9 28.0 42.0



#20
Methylene Chloride
Concen: 1.187 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion: 84 Resp: 6945
Ion Ratio Lower Upper
84 100
49 105.4 90.5 135.7
51 34.5 28.5 42.7
86 72.1 48.1 72.1





#33

1,2-Dichloroethane-d4

Concen: 42.816 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086900.D

Acq: 09 Jun 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

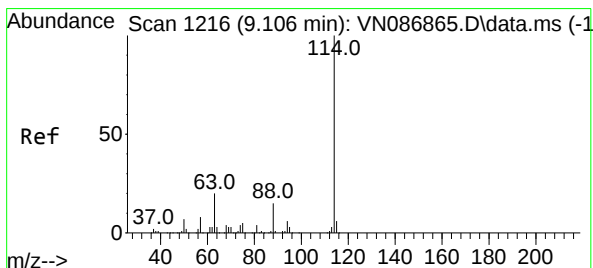
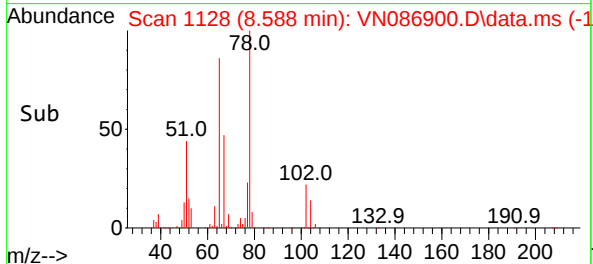
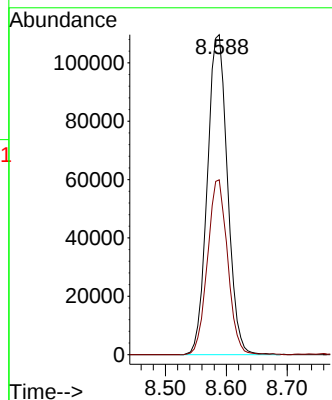
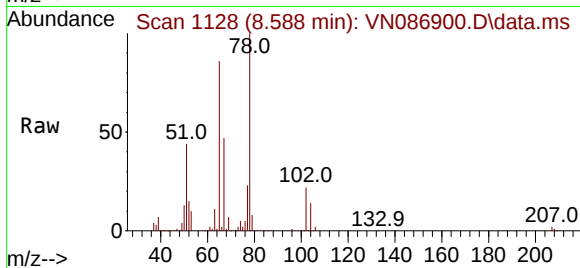
WC-A2-07-GRE

Tgt Ion: 65 Resp: 252339

Ion Ratio Lower Upper

65 100

67 54.4 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086900.D

Acq: 09 Jun 2025 13:21

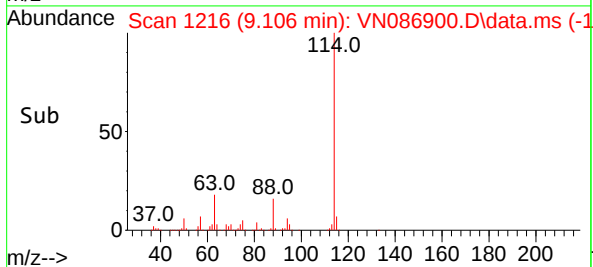
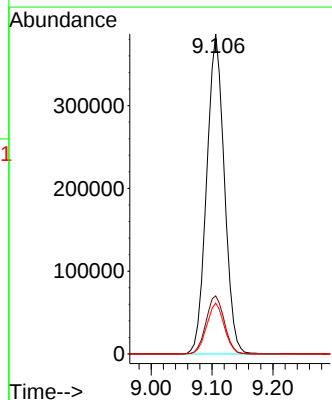
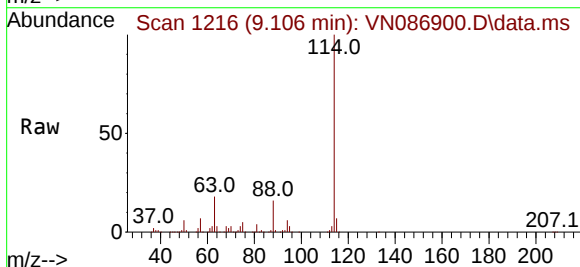
Tgt Ion: 114 Resp: 778135

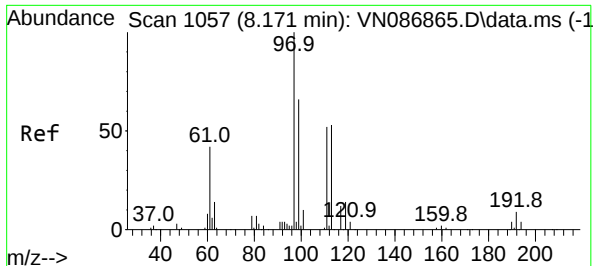
Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 31.823 ug/l

RT: 8.177 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VN086900.D

Acq: 09 Jun 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-07-GRE

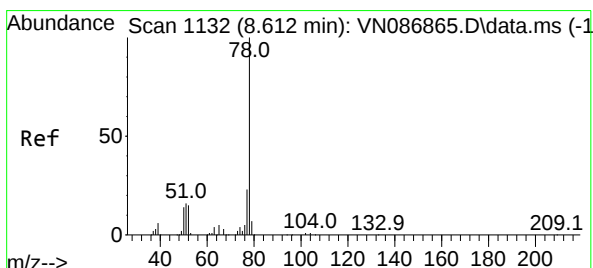
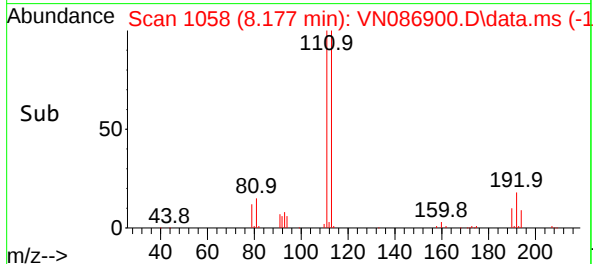
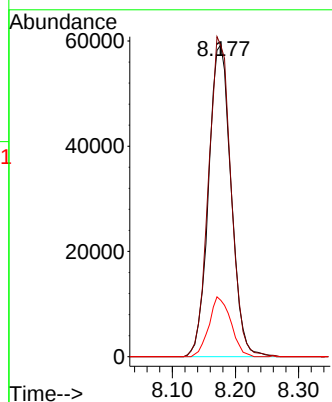
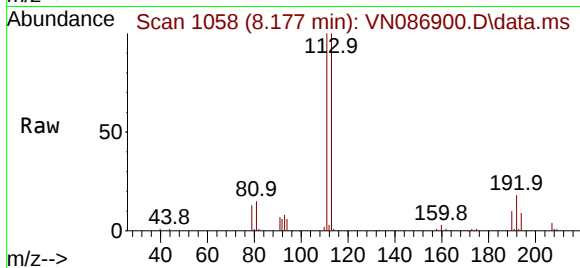
Tgt Ion:113 Resp: 146751

Ion Ratio Lower Upper

113 100

111 102.1 84.2 126.2

192 18.6 14.2 21.4



#40

Benzene

Concen: 51.114 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VN086900.D

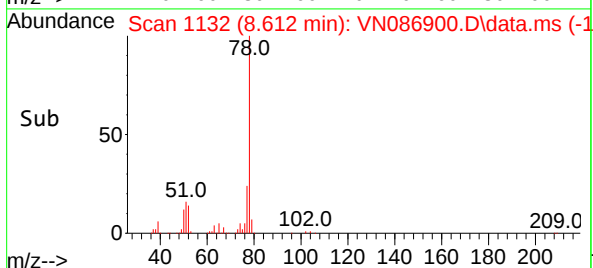
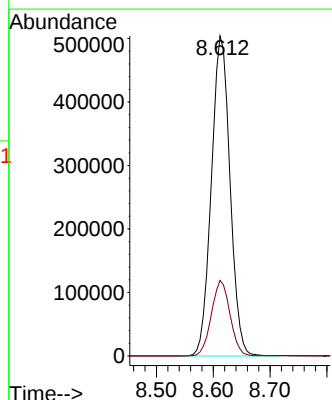
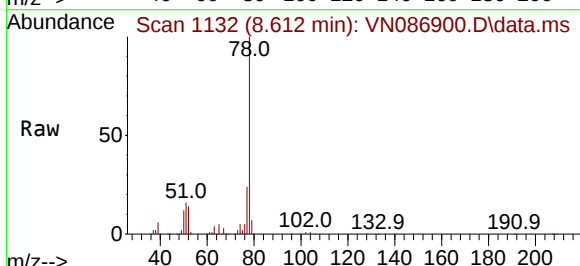
Acq: 09 Jun 2025 13:21

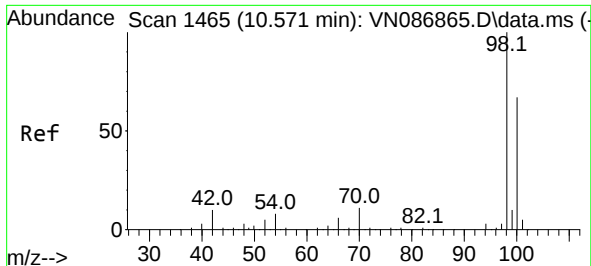
Tgt Ion: 78 Resp: 1148530

Ion Ratio Lower Upper

78 100

77 23.6 18.7 28.1

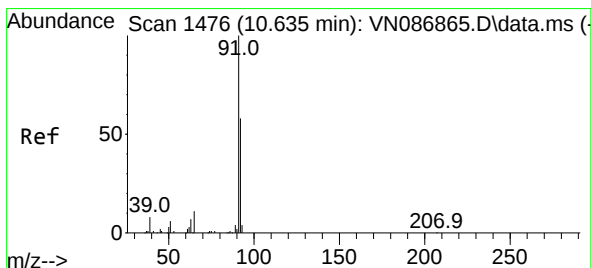
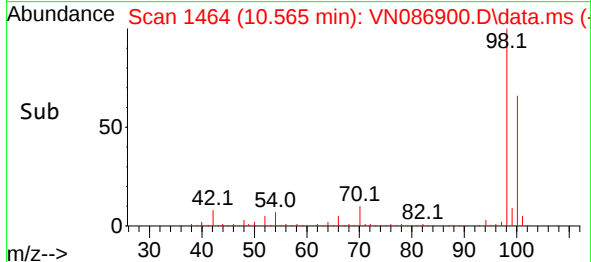
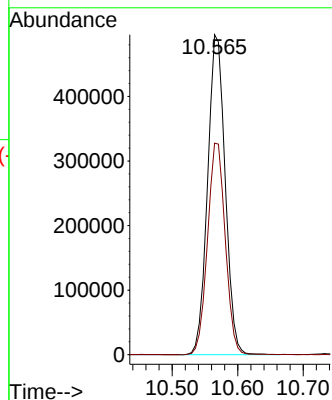
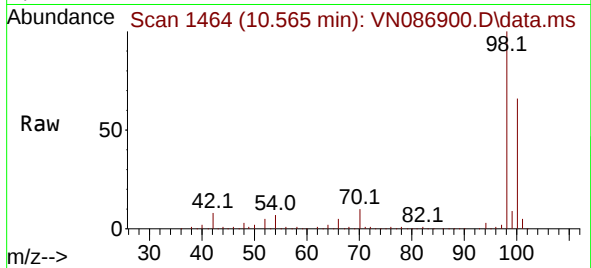




#50
Toluene-d8
Concen: 50.590 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

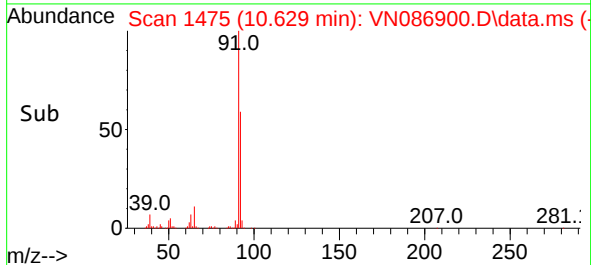
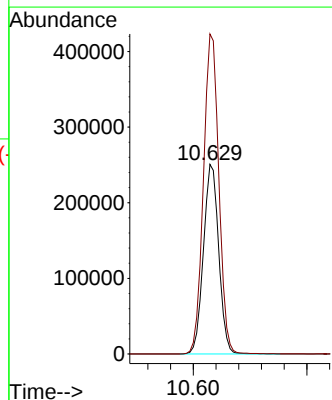
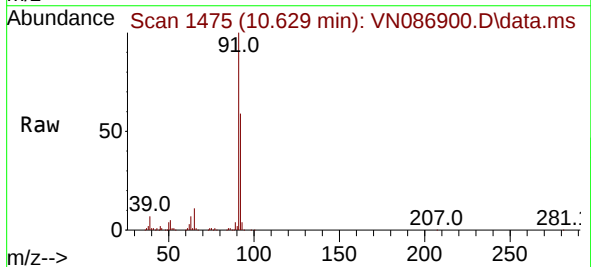
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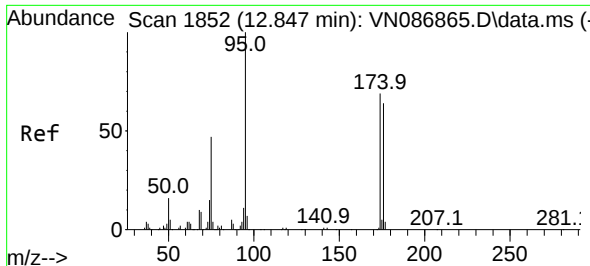
Tgt Ion: 98 Resp: 923534
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.0



#52
Toluene
Concen: 34.014 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion: 92 Resp: 467084
Ion Ratio Lower Upper
92 100
91 170.1 136.5 204.7

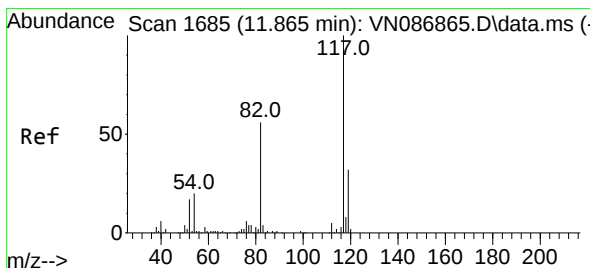
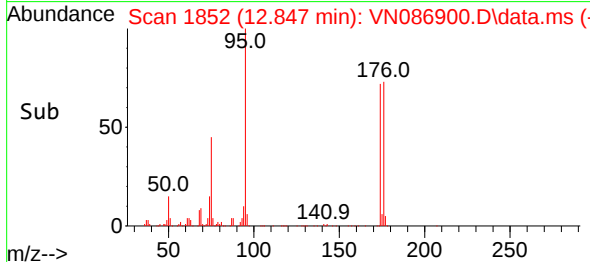
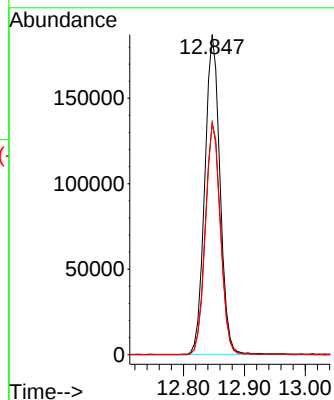
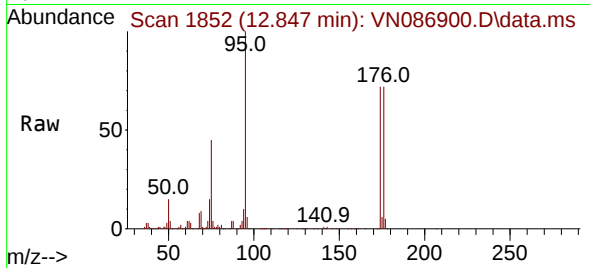




#62
4-Bromofluorobenzene
Concen: 47.765 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

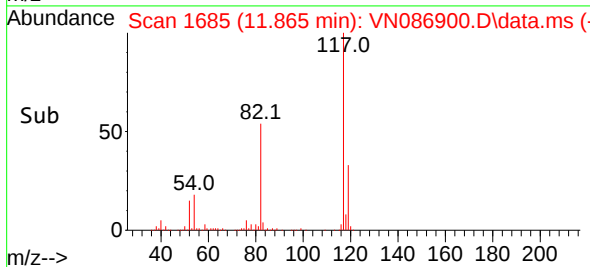
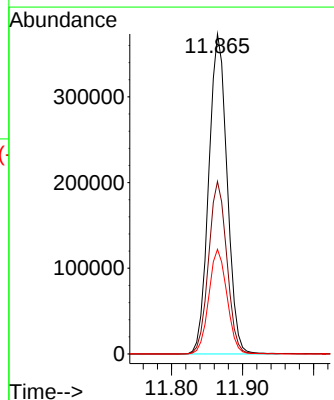
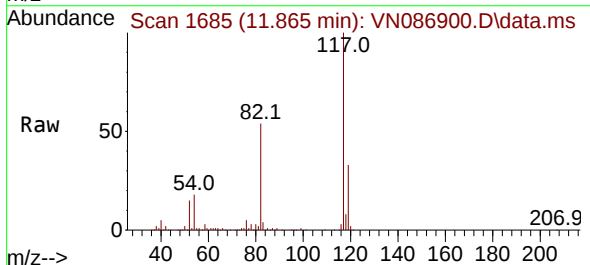
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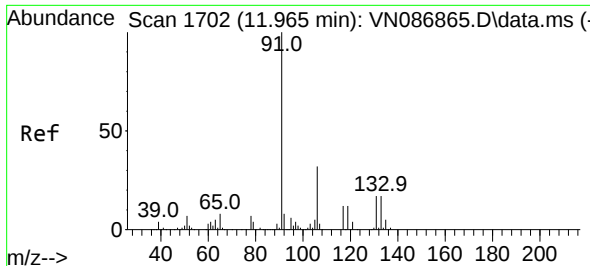
Tgt Ion: 95 Resp: 323959
Ion Ratio Lower Upper
95 100
174 73.1 0.0 141.8
176 71.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion: 117 Resp: 670848
Ion Ratio Lower Upper
117 100
82 53.9 44.6 67.0
119 32.7 25.5 38.3

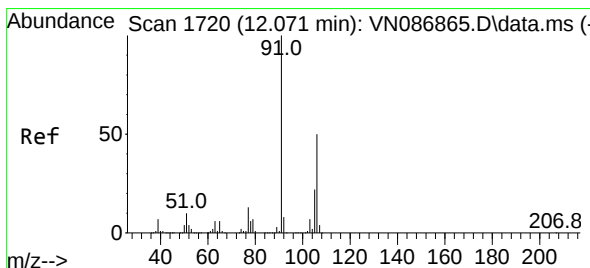
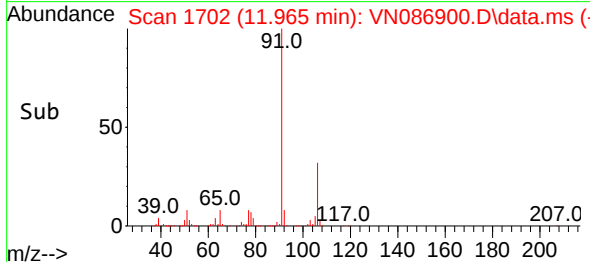
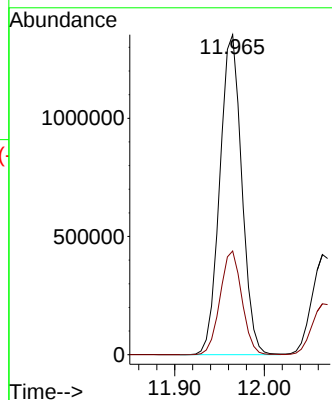
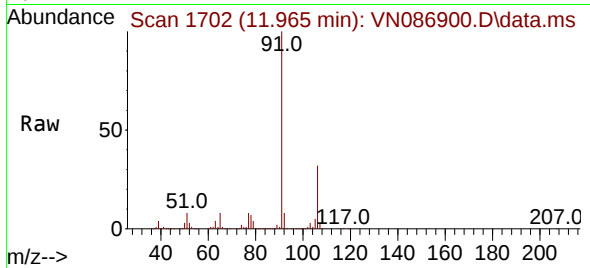




#67
Ethyl Benzene
Concen: 90.220 ug/l
RT: 11.965 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

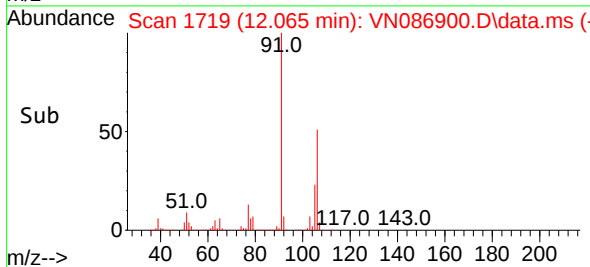
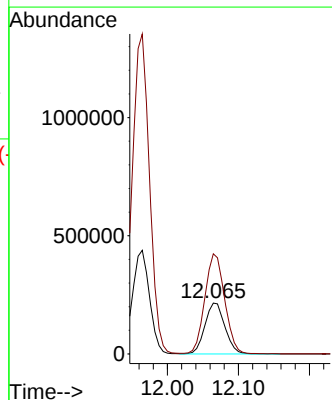
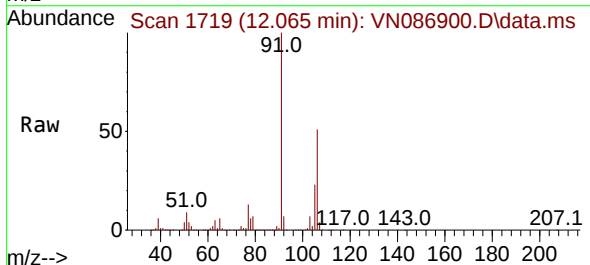
Instrument :
MSVOA_N
ClientSampleId :
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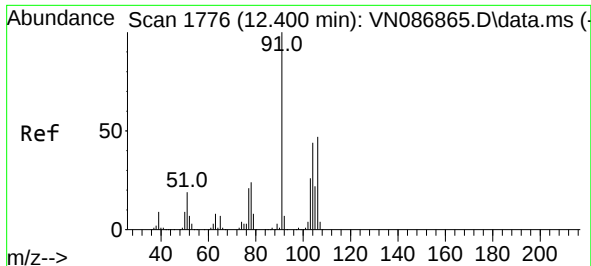
Tgt Ion: 91 Resp: 2299298
Ion Ratio Lower Upper
91 100
106 32.4 25.4 38.2



#68
m/p-Xylenes
Concen: 42.972 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion:106 Resp: 419226
Ion Ratio Lower Upper
106 100
91 196.4 159.4 239.0

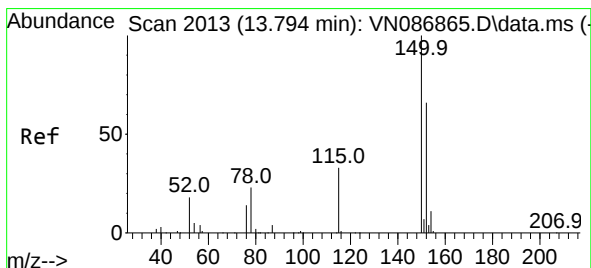
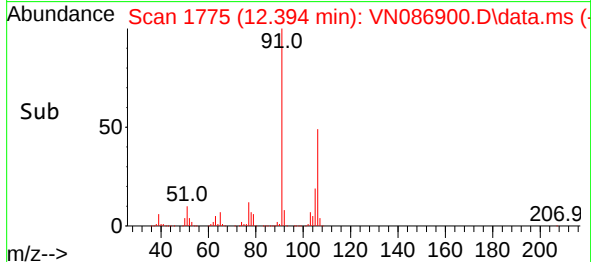
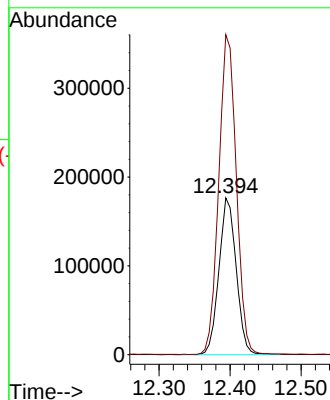
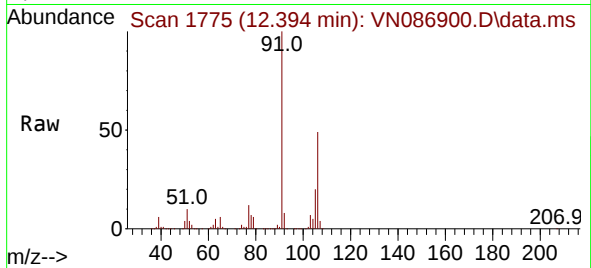




#69
o-Xylene
Concen: 31.854 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

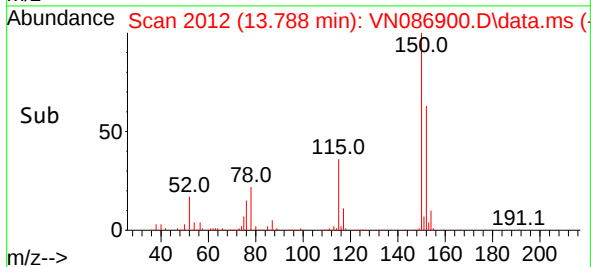
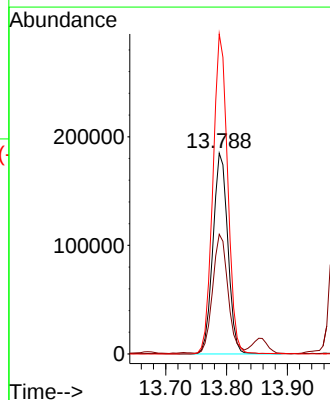
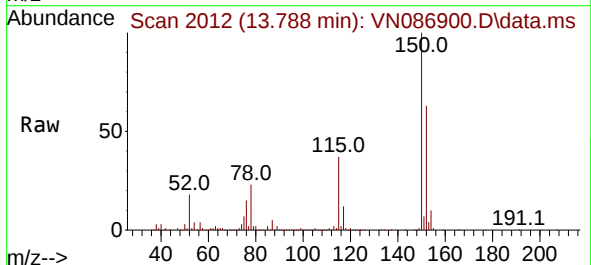
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

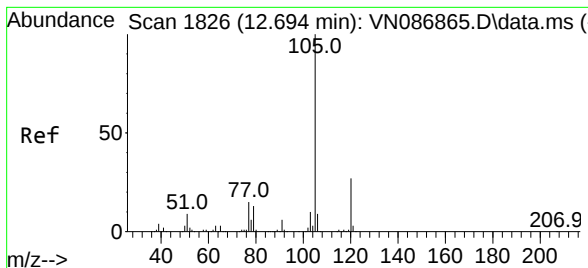
Tgt Ion:106 Resp: 297633
Ion Ratio Lower Upper
106 100
91 207.3 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion:152 Resp: 315094
Ion Ratio Lower Upper
152 100
115 60.4 30.1 90.5
150 157.5 0.0 345.0





#73

Isopropylbenzene

Concen: 4.713 ug/l

RT: 12.694 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN086900.D

Acq: 09 Jun 2025 13:21

Instrument :

MSVOA_N

ClientSampleId :

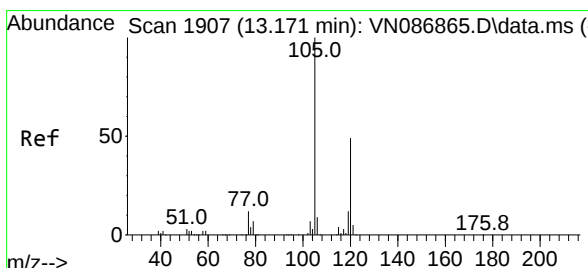
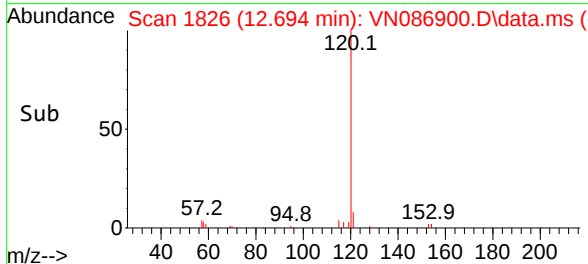
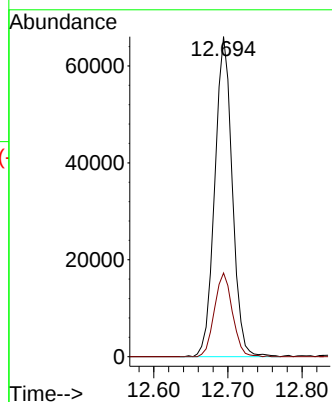
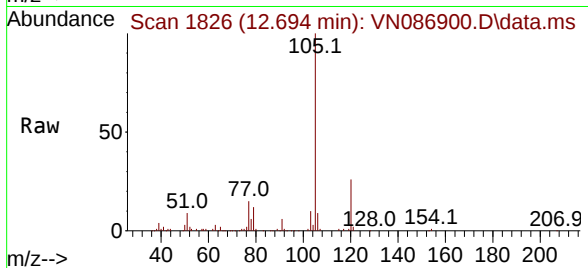
WC-A2-07-GRE

Tgt Ion:105 Resp: 108193

Ion Ratio Lower Upper

105 100

120 26.9 13.5 40.4



#80

1,3,5-Trimethylbenzene

Concen: 4.796 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086900.D

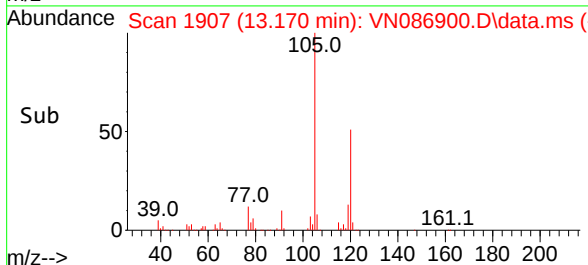
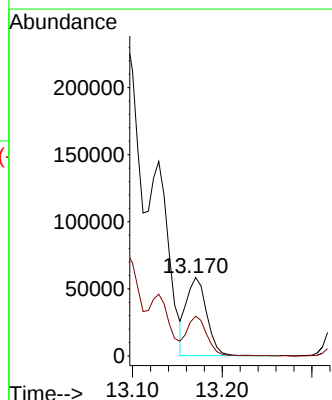
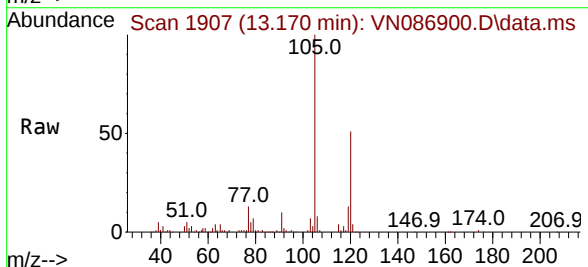
Acq: 09 Jun 2025 13:21

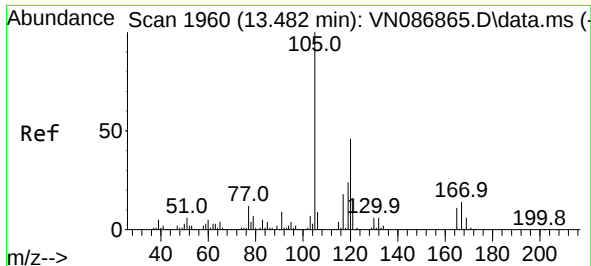
Tgt Ion:105 Resp: 90895

Ion Ratio Lower Upper

105 100

120 49.1 24.9 74.6

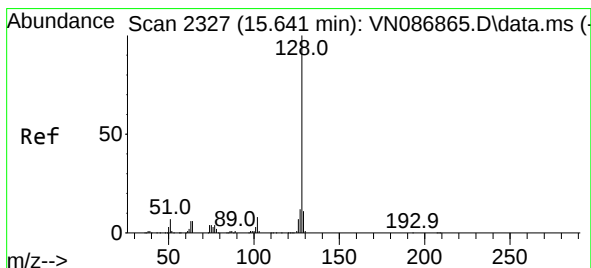
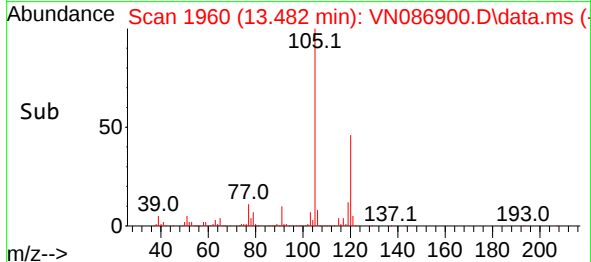
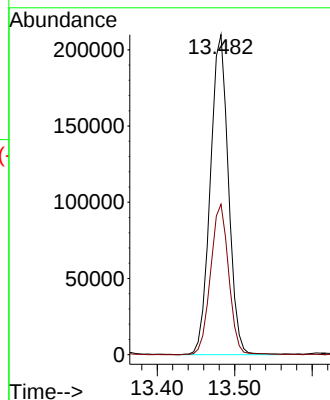
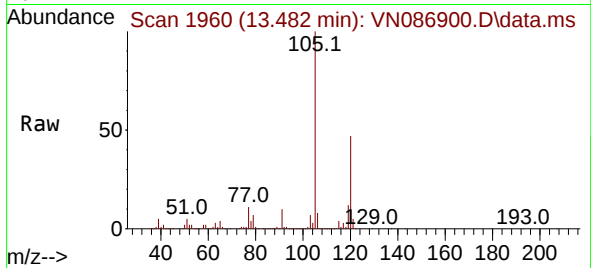




#84
1,2,4-Trimethylbenzene
Concen: 17.893 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

Tgt Ion:105 Resp: 340049
Ion Ratio Lower Upper
105 100
120 47.2 23.2 69.6



#95
Naphthalene
Concen: 920.202 ug/l
RT: 15.629 min Scan# 2325
Delta R.T. -0.012 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion:128 Resp:21764312
Ion Ratio Lower Upper
128 100
127 16.6 10.2 15.2#
129 14.2 8.8 13.2#

