

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052125\
 Data File : VN086743.D
 Acq On : 21 May 2025 19:54
 Operator : JC\MD
 Sample : Q2078-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A4-04-G

Quant Time: May 22 01:30:36 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)

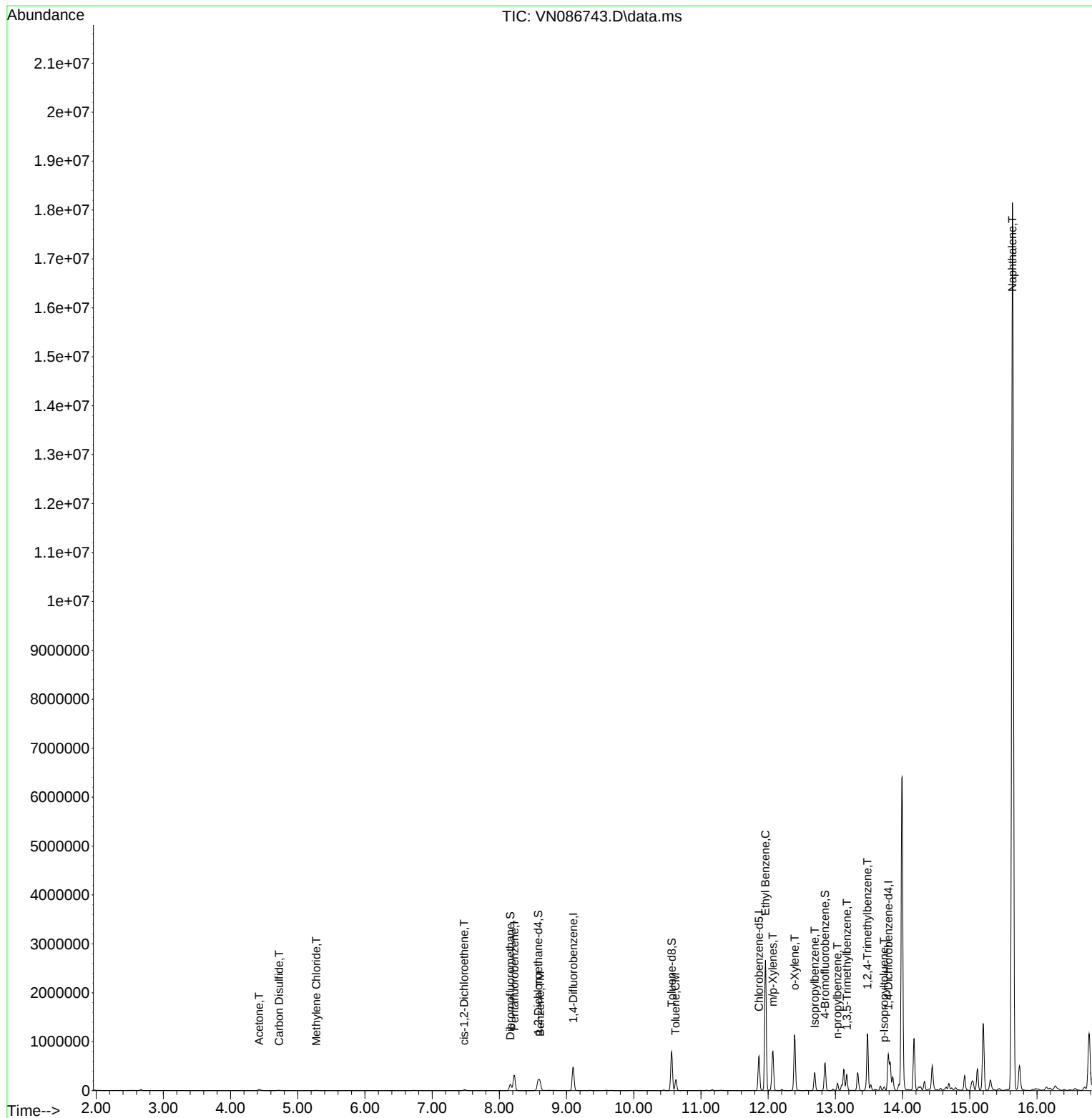
Internal Standards						
1) Pentafluorobenzene	8.224	168	250680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	459239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	442626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	207602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	152635	44.064	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	88.120%
35) Dibromofluoromethane	8.165	113	97031	35.478	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	70.960%#
50) Toluene-d8	10.565	98	584919	51.608	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.220%
62) 4-Bromofluorobenzene	12.847	95	218914	54.702	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.400%
Target Compounds						
					Qvalue	
16) Acetone	4.424	43	46027	35.522	ug/l	93
17) Carbon Disulfide	4.724	76	10531	1.360	ug/l	97
20) Methylene Chloride	5.277	84	4698	1.374	ug/l	94
27) cis-1,2-Dichloroethene	7.477	96	10798	2.976	ug/l	85
40) Benzene	8.606	78	188557	14.328	ug/l	100
52) Toluene	10.623	92	103903	12.703	ug/l	99
67) Ethyl Benzene	11.959	91	2077127	124.942	ug/l	97
68) m/p-Xylenes	12.070	106	282862	44.921	ug/l	98
69) o-Xylene	12.394	106	332235	53.071	ug/l	100
73) Isopropylbenzene	12.694	105	261578	16.314	ug/l	99
78) n-propylbenzene	13.029	91	126940	6.899	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	182641	14.218	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	690355	53.966	ug/l	100
86) p-Isopropyltoluene	13.723	119	29312	2.381	ug/l #	77
95) Naphthalene	15.635	128	17679554	1815.845	ug/l	97

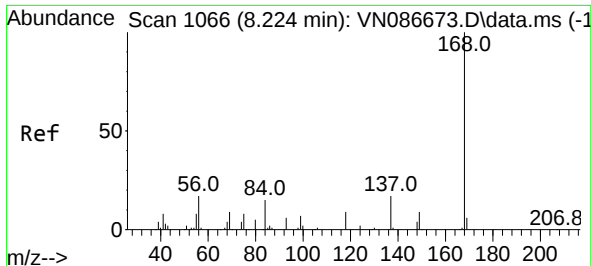
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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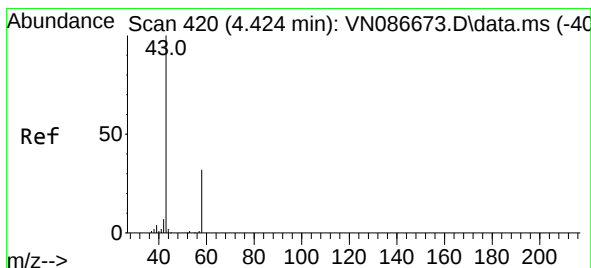
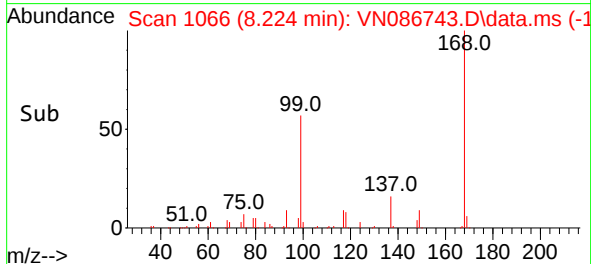
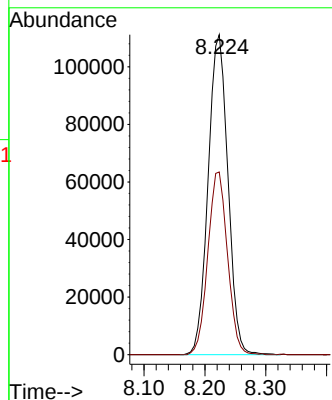
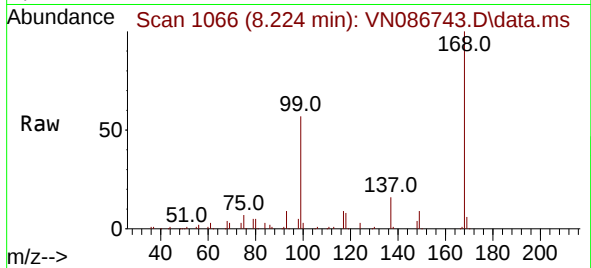




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086743.D
Acq: 21 May 2025 19:54

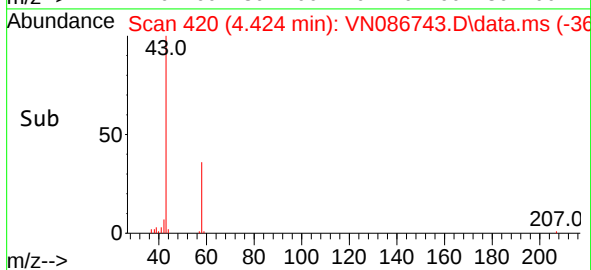
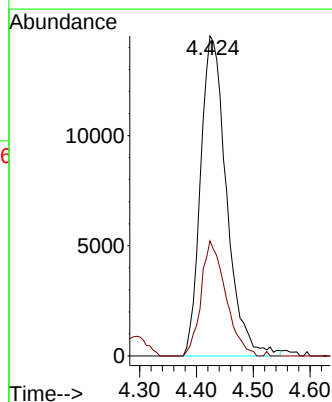
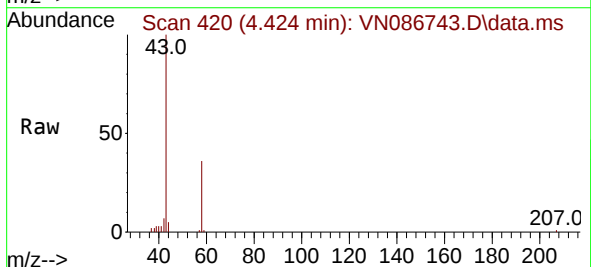
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-04-G

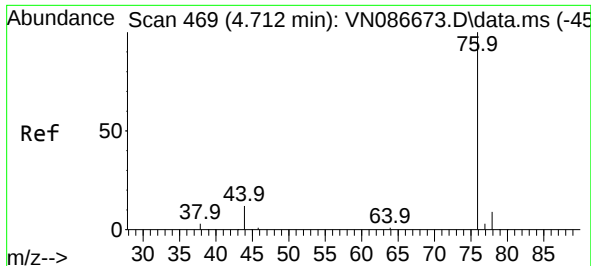
Tgt Ion:168 Resp: 250680
Ion Ratio Lower Upper
168 100
99 57.1 47.0 70.4



#16
Acetone
Concen: 35.522 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN086743.D
Acq: 21 May 2025 19:54

Tgt Ion: 43 Resp: 46027
Ion Ratio Lower Upper
43 100
58 35.9 25.8 38.6

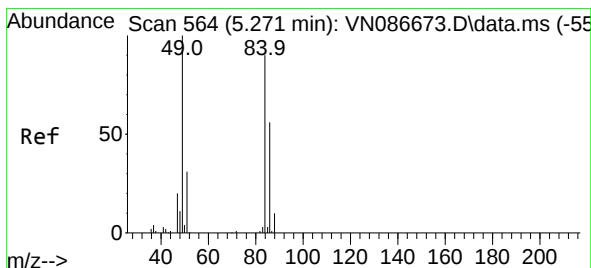
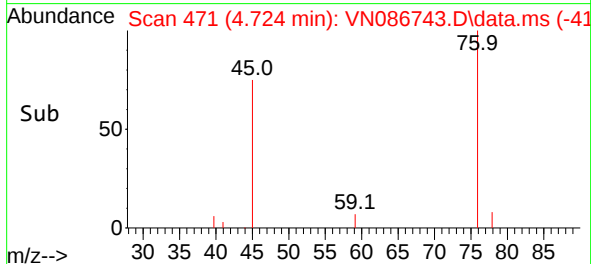
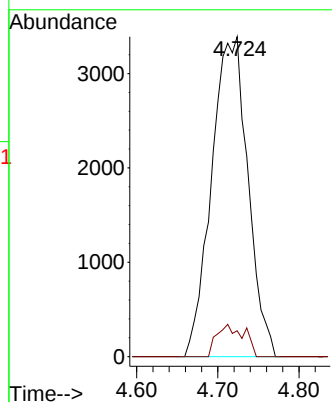
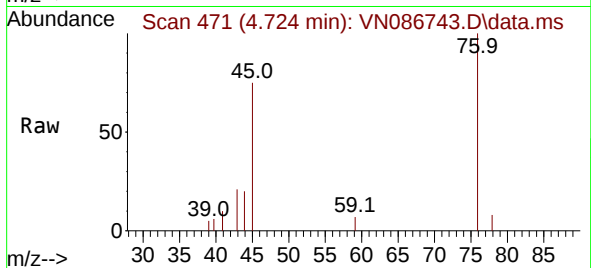




#17
Carbon Disulfide
Concen: 1.360 ug/l
RT: 4.724 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN086743.D
Acq: 21 May 2025 19:54

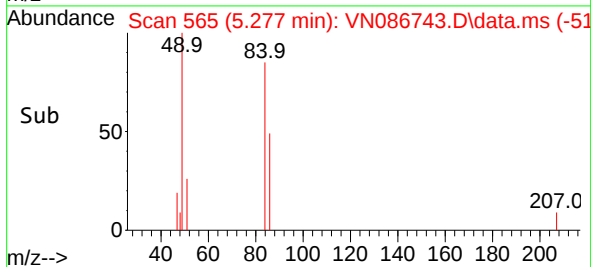
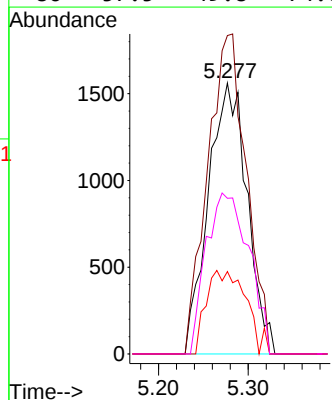
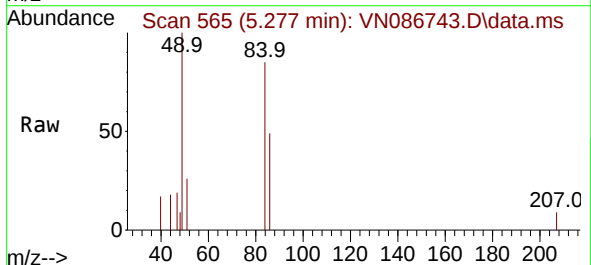
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-04-G

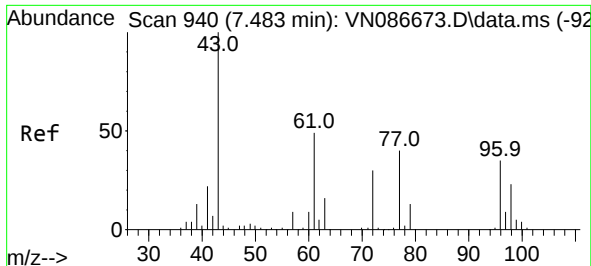
Tgt Ion: 76 Resp: 10531
Ion Ratio Lower Upper
76 100
78 8.1 7.3 10.9



#20
Methylene Chloride
Concen: 1.374 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086743.D
Acq: 21 May 2025 19:54

Tgt Ion: 84 Resp: 4698
Ion Ratio Lower Upper
84 100
49 117.6 88.8 133.2
51 30.4 27.8 41.6
86 57.5 49.8 74.6



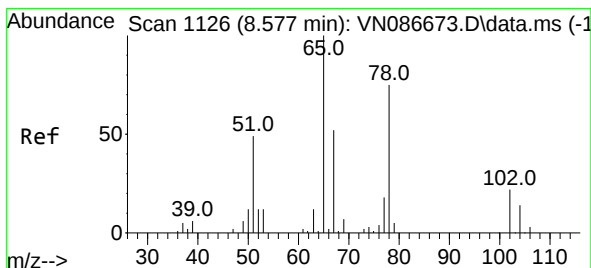
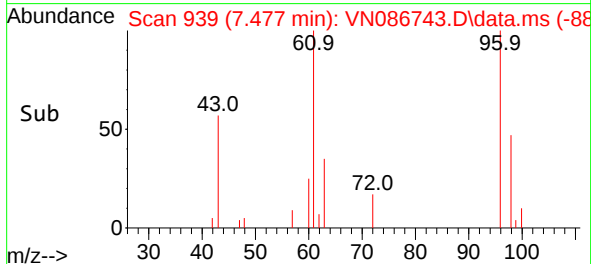
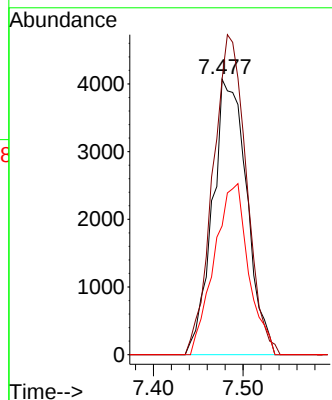
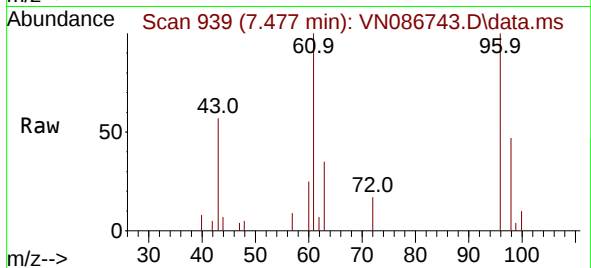


#27
 cis-1,2-Dichloroethene
 Concen: 2.976 ug/l
 RT: 7.477 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VN086743.D
 Acq: 21 May 2025 19:54

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A4-04-G

Tgt Ion: 96 Resp: 10798

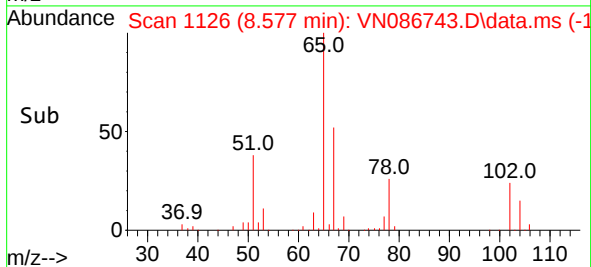
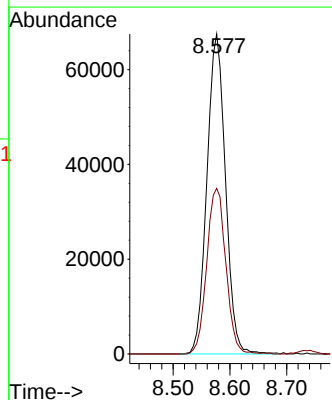
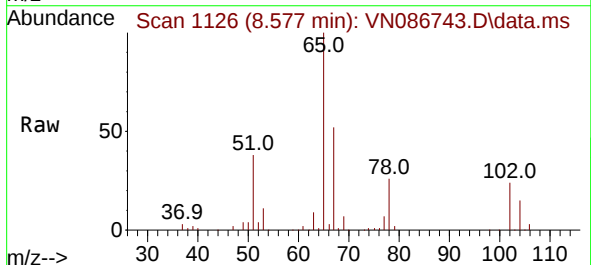
Ion	Ratio	Lower	Upper
96	100		
61	113.4	0.0	277.4
98	62.1	0.0	129.6

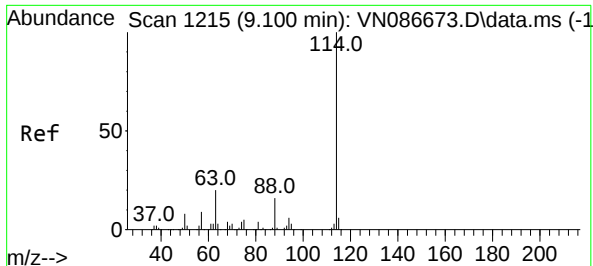


#33
 1,2-Dichloroethane-d4
 Concen: 44.064 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN086743.D
 Acq: 21 May 2025 19:54

Tgt Ion: 65 Resp: 152635

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.4

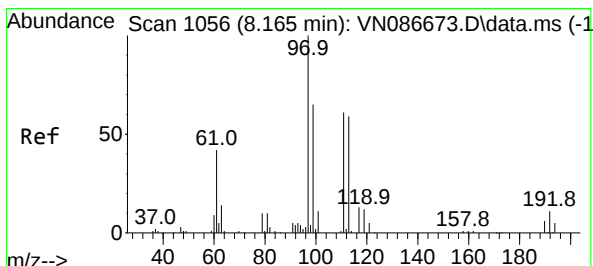
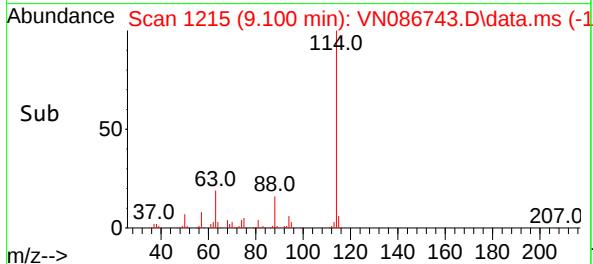
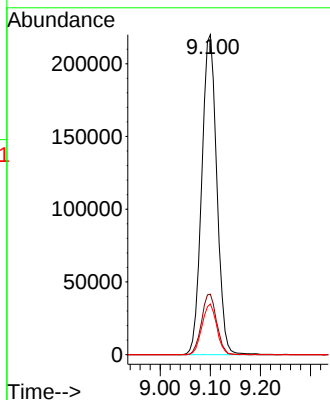
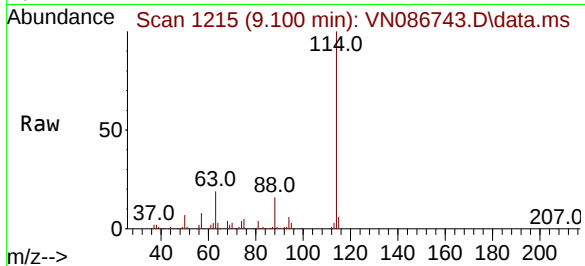




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086743.D
Acq: 21 May 2025 19:54

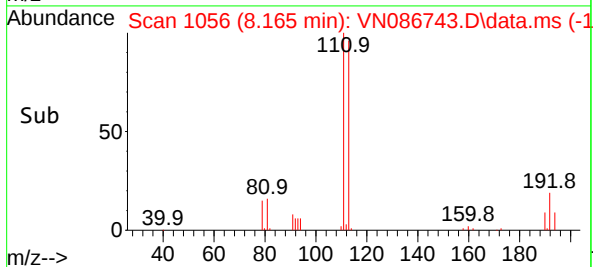
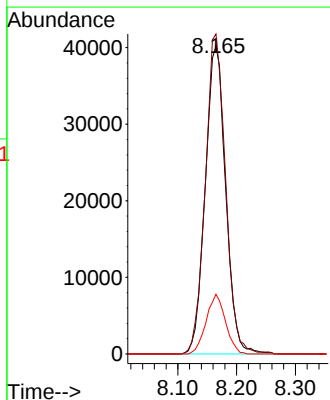
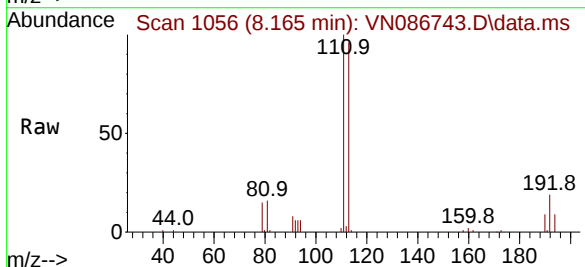
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-04-G

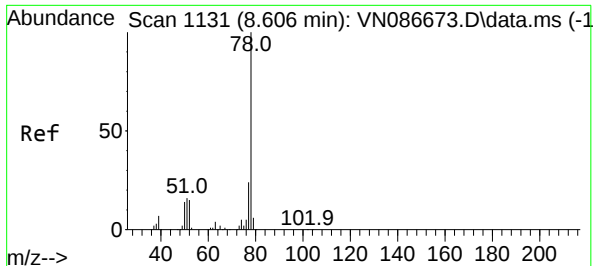
Tgt Ion:114 Resp: 459239
Ion Ratio Lower Upper
114 100
63 18.9 0.0 40.2
88 15.9 0.0 31.2



#35
Dibromofluoromethane
Concen: 35.478 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086743.D
Acq: 21 May 2025 19:54

Tgt Ion:113 Resp: 97031
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.2
192 18.3 13.8 20.8

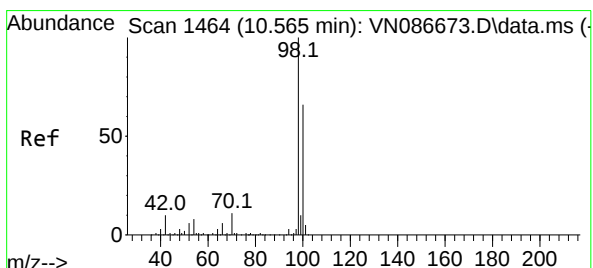
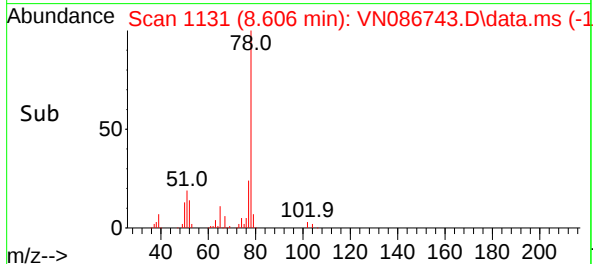
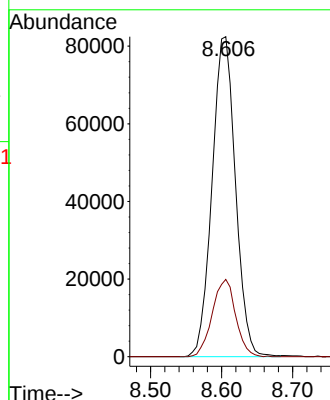
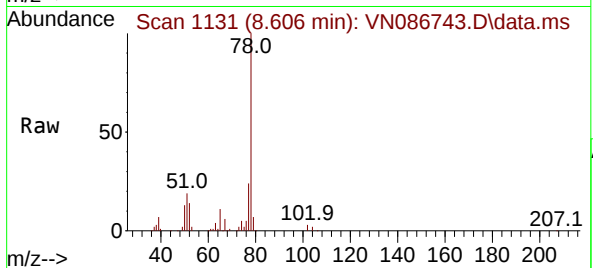




#40
Benzene
Concen: 14.328 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN086743.D
Acq: 21 May 2025 19:54

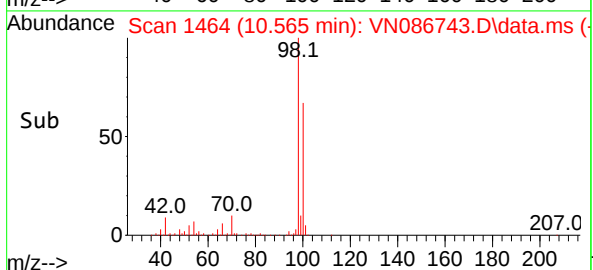
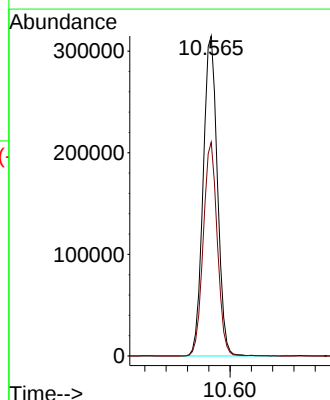
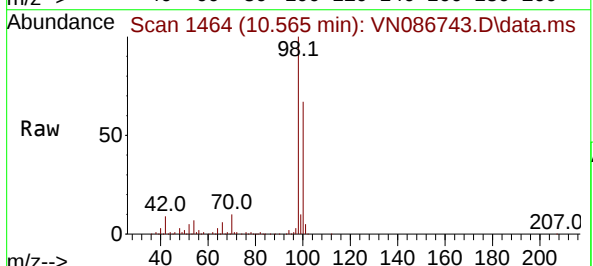
Instrument :
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ClientSampleId :
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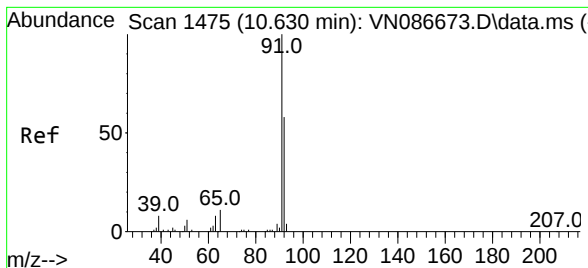
Tgt Ion: 78 Resp: 188557
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7



#50
Toluene-d8
Concen: 51.608 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086743.D
Acq: 21 May 2025 19:54

Tgt Ion: 98 Resp: 584919
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3





#52

Toluene

Concen: 12.703 ug/l

RT: 10.623 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VN086743.D

Acq: 21 May 2025 19:54

Instrument :

MSVOA_N

ClientSampleId :

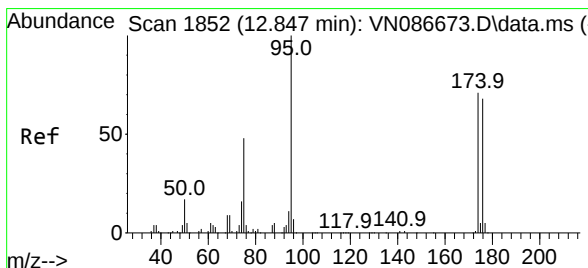
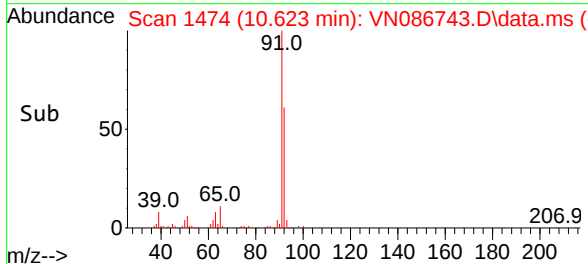
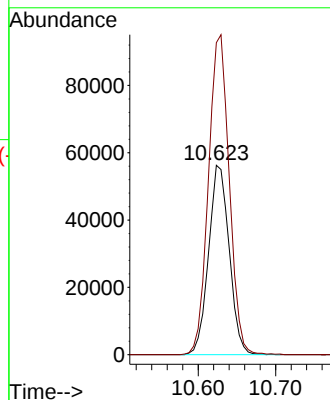
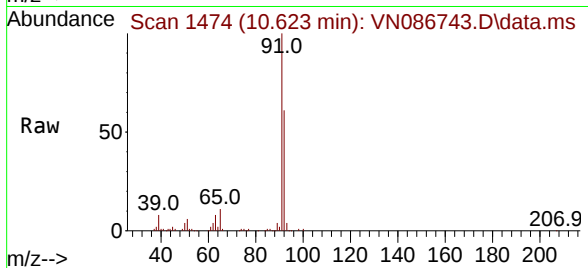
WC-A4-04-G

Tgt Ion: 92 Resp: 103903

Ion Ratio Lower Upper

92 100

91 170.5 137.8 206.8



#62

4-Bromofluorobenzene

Concen: 54.702 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN086743.D

Acq: 21 May 2025 19:54

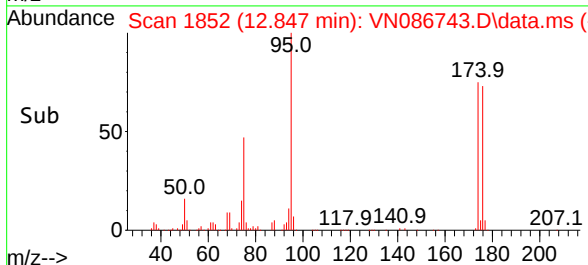
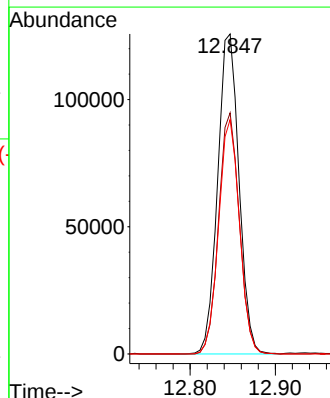
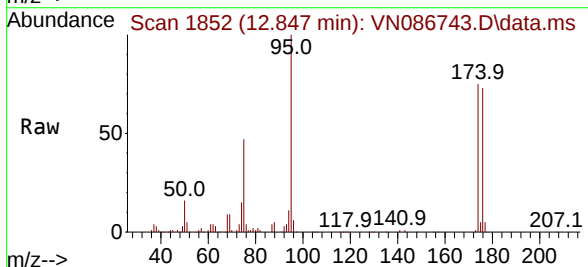
Tgt Ion: 95 Resp: 218914

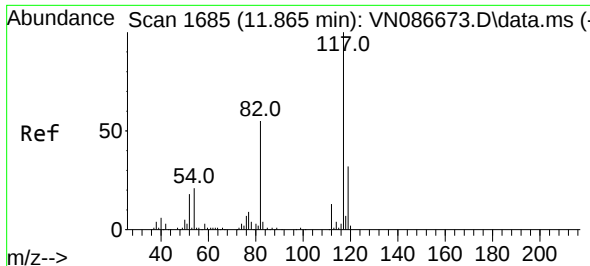
Ion Ratio Lower Upper

95 100

174 73.2 0.0 145.4

176 71.5 0.0 137.8

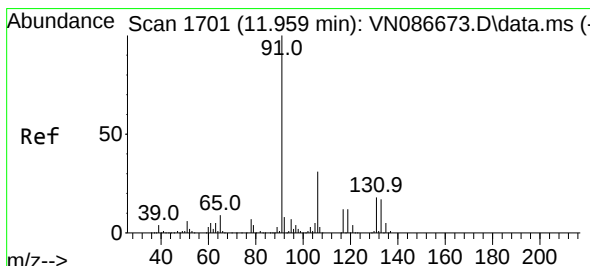
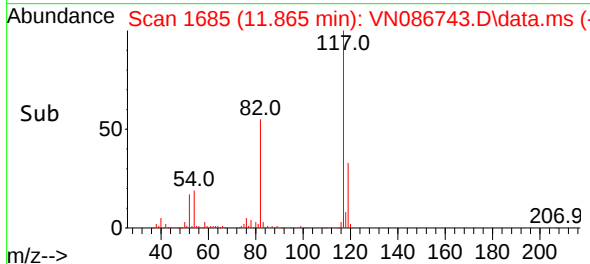
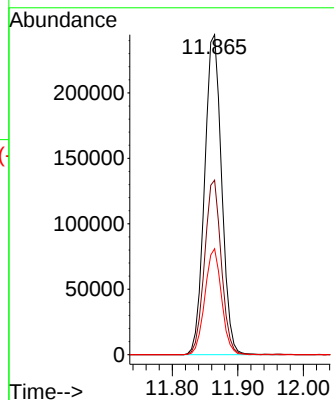
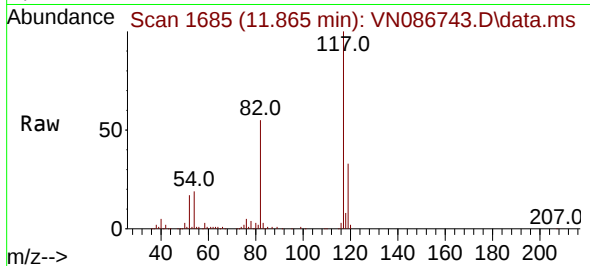




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VN086743.D
Acq: 21 May 2025 19:54

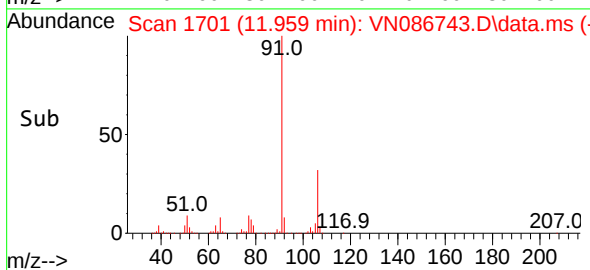
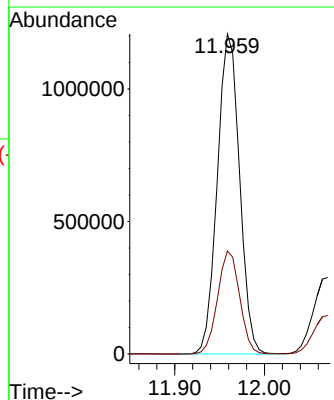
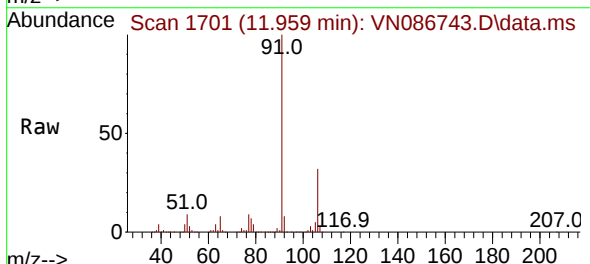
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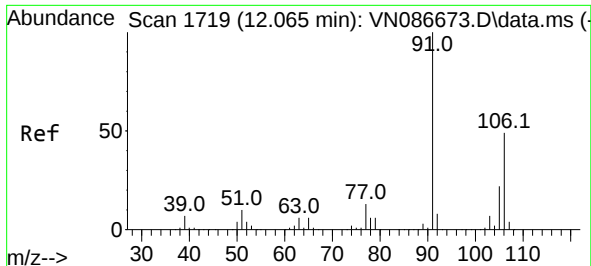
Tgt Ion:117 Resp: 442626
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 33.1 25.4 38.2



#67
Ethyl Benzene
Concen: 124.942 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086743.D
Acq: 21 May 2025 19:54

Tgt Ion: 91 Resp: 2077127
Ion Ratio Lower Upper
91 100
106 32.2 24.6 36.8

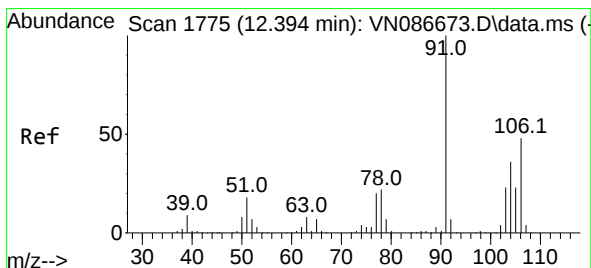
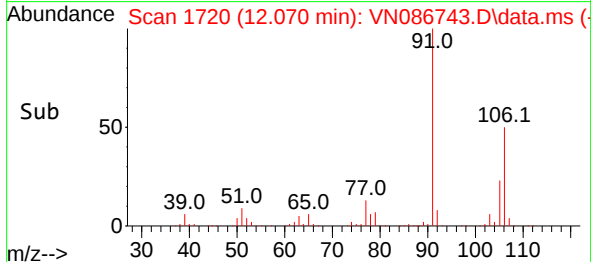
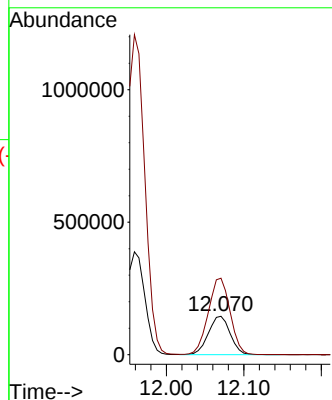
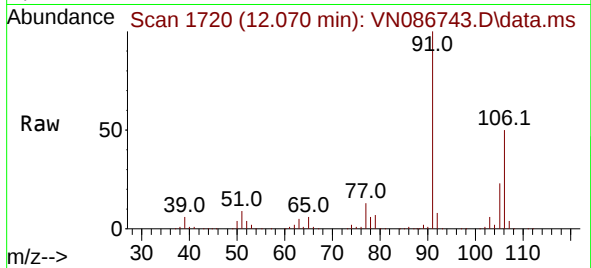




#68
m/p-Xylenes
Concen: 44.921 ug/l
RT: 12.070 min Scan# 1719
Delta R.T. 0.006 min
Lab File: VN086743.D
Acq: 21 May 2025 19:54

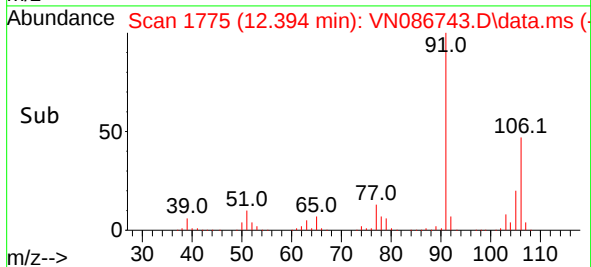
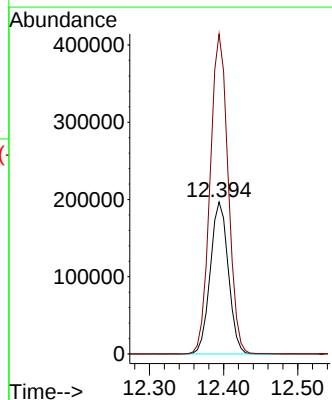
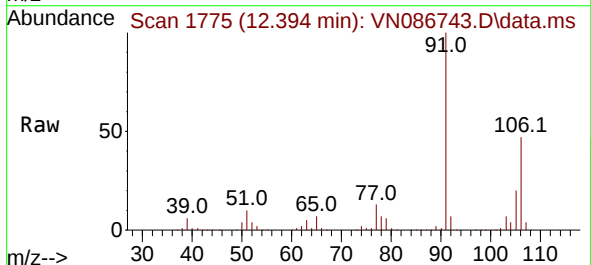
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-04-G

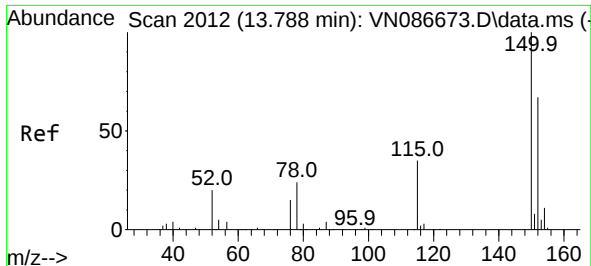
Tgt Ion:106 Resp: 282862
Ion Ratio Lower Upper
106 100
91 199.4 162.4 243.6



#69
o-Xylene
Concen: 53.071 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086743.D
Acq: 21 May 2025 19:54

Tgt Ion:106 Resp: 332235
Ion Ratio Lower Upper
106 100
91 210.5 105.1 315.1

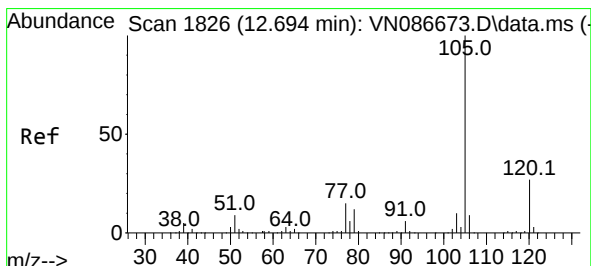
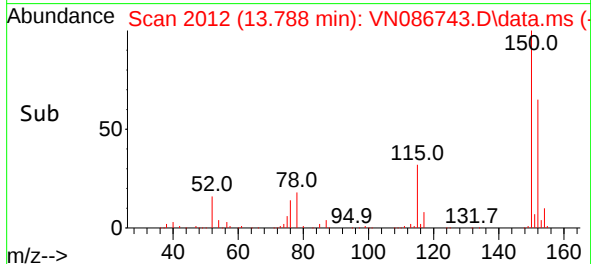
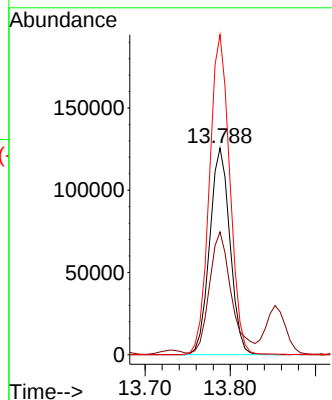
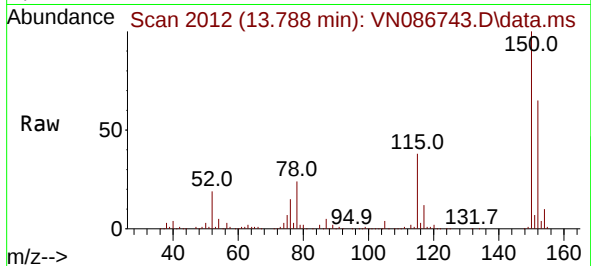




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086743.D
Acq: 21 May 2025 19:54

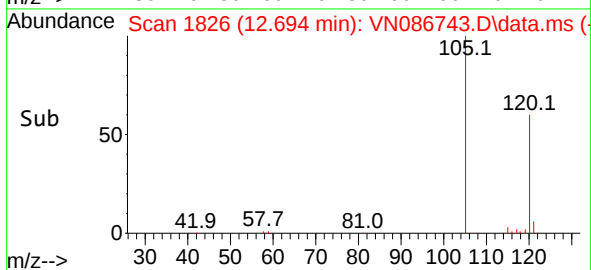
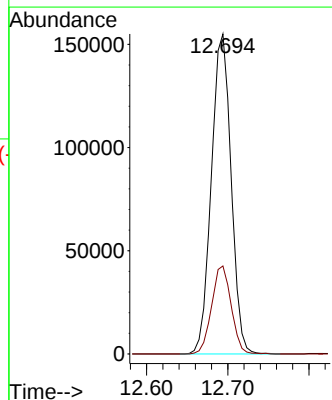
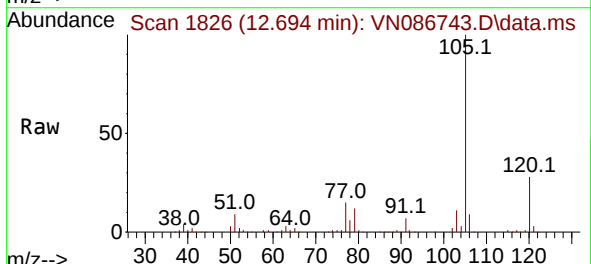
Instrument :
MSVOA_N
ClientSampleId :
WC-A4-04-G

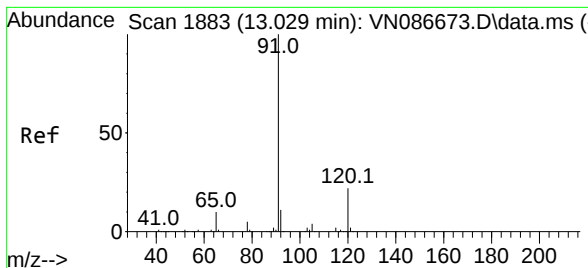
Tgt Ion:152 Resp: 207602
Ion Ratio Lower Upper
152 100
115 63.1 30.0 90.1
150 155.8 0.0 347.8



#73
Isopropylbenzene
Concen: 16.314 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086743.D
Acq: 21 May 2025 19:54

Tgt Ion:105 Resp: 261578
Ion Ratio Lower Upper
105 100
120 27.2 13.4 40.1





#78

n-propylbenzene

Concen: 6.899 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.000 min

Lab File: VN086743.D

Acq: 21 May 2025 19:54

Instrument :

MSVOA_N

ClientSampleId :

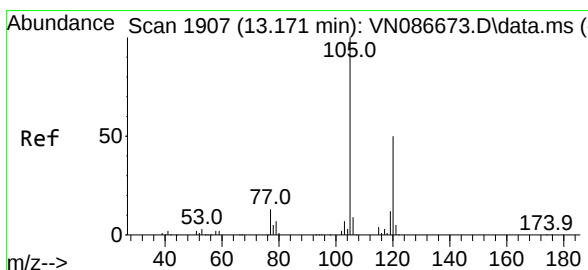
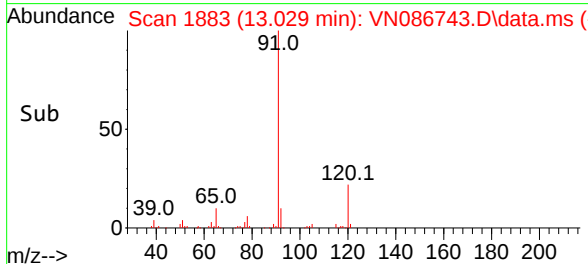
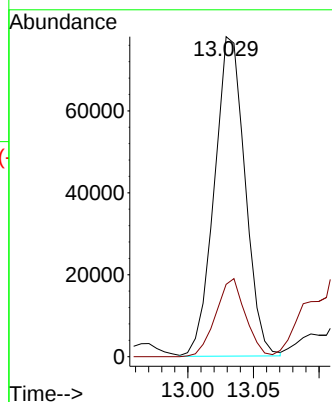
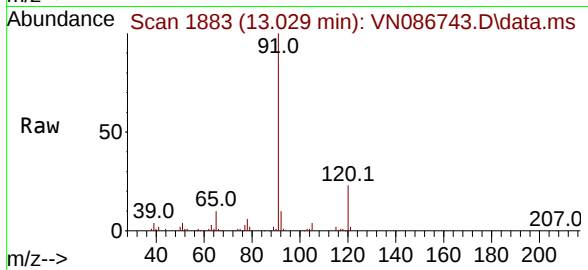
WC-A4-04-G

Tgt Ion: 91 Resp: 126940

Ion Ratio Lower Upper

91 100

120 23.6 11.4 34.1



#80

1,3,5-Trimethylbenzene

Concen: 14.218 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086743.D

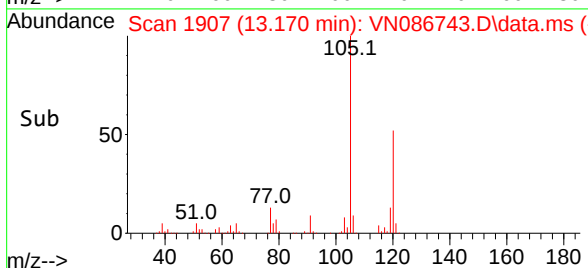
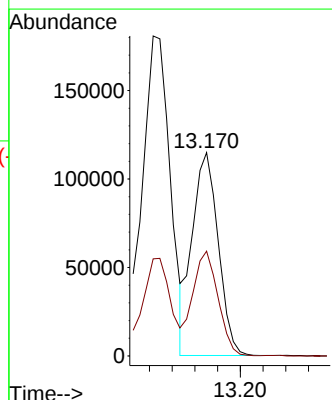
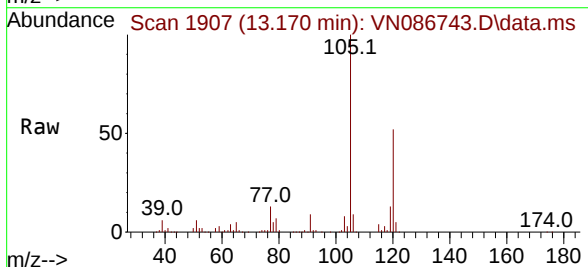
Acq: 21 May 2025 19:54

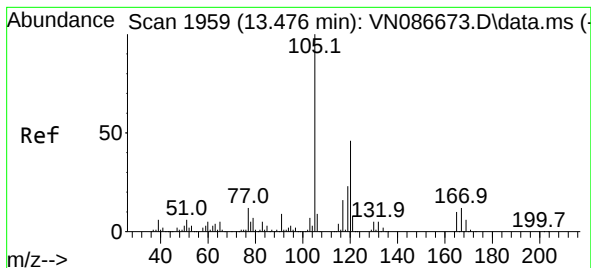
Tgt Ion:105 Resp: 182641

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.6





#84

1,2,4-Trimethylbenzene

Concen: 53.966 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN086743.D

Acq: 21 May 2025 19:54

Instrument :

MSVOA_N

ClientSampleId :

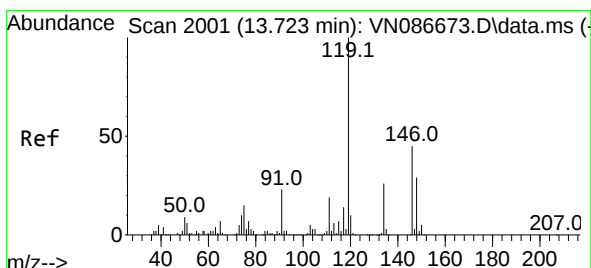
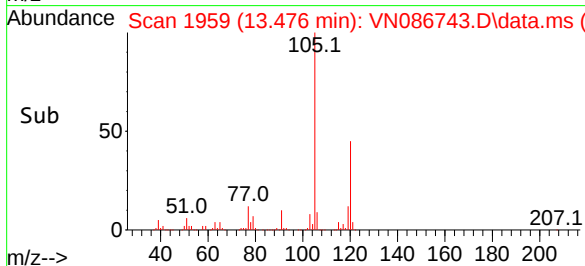
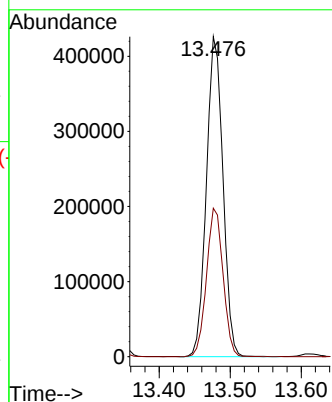
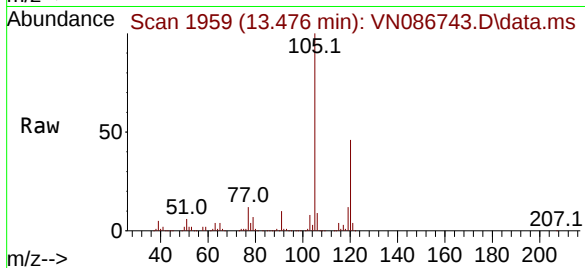
WC-A4-04-G

Tgt Ion:105 Resp: 690355

Ion Ratio Lower Upper

105 100

120 46.5 23.2 69.6



#86

p-Isopropyltoluene

Concen: 2.381 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VN086743.D

Acq: 21 May 2025 19:54

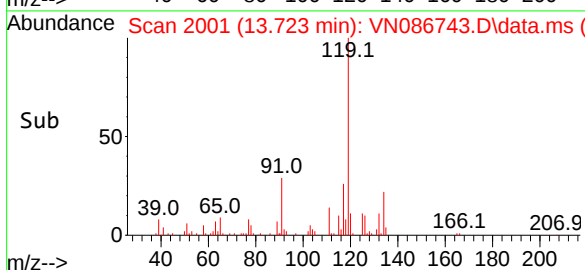
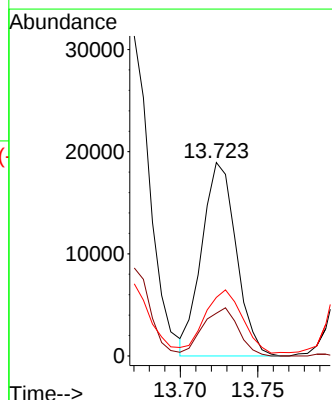
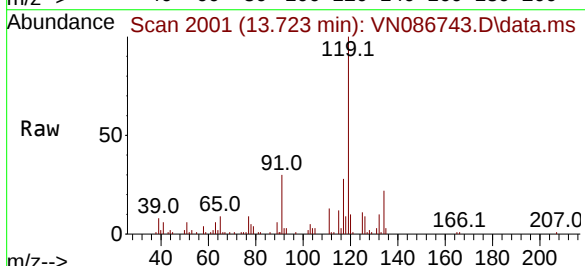
Tgt Ion:119 Resp: 29312

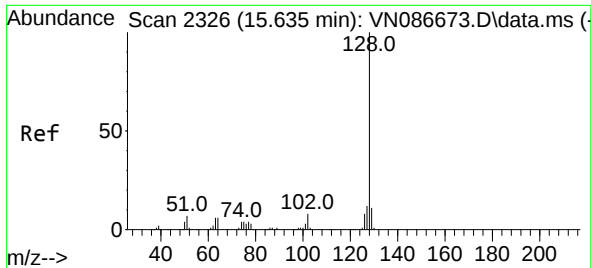
Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.1

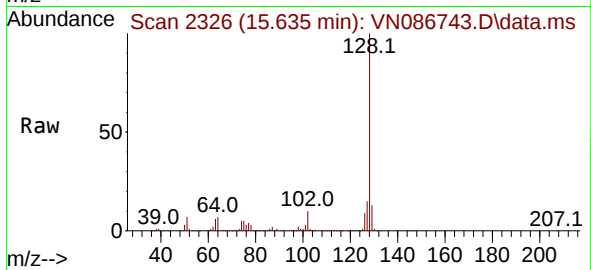
91 0.0 11.5 34.5#





#95
Naphthalene
Concen: 1815.845 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN086743.D
Acq: 21 May 2025 19:54

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-04-G



Tgt Ion:128 Resp:17679554
Ion Ratio Lower Upper
128 100
127 13.8 10.1 15.1
129 11.8 8.6 13.0

