

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052825\
 Data File : VN086795.D
 Acq On : 28 May 2025 13:23
 Operator : JC\MD
 Sample : Q2134-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW10

Quant Time: May 29 03:58:10 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

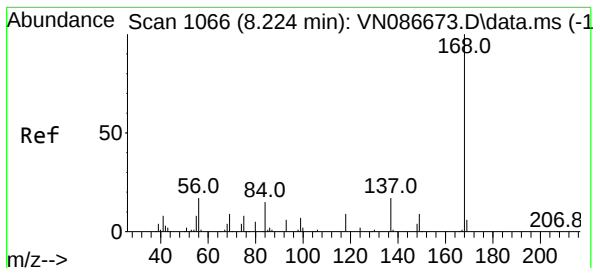
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.224	168	168502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319448	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306754	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	144822	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	108890	46.766	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.540%
35) Dibromofluoromethane	8.165	113	92033	48.376	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.760%
50) Toluene-d8	10.565	98	410709	52.095	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.200%
62) 4-Bromofluorobenzene	12.847	95	153686	55.208	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	110.420%
Target Compounds						
					Qvalue	
31) Cyclohexane	8.253	56	103401	29.589	ug/l #	84
39) Methylcyclohexane	9.600	83	125619	41.361	ug/l	98
40) Benzene	8.606	78	18211	1.989	ug/l	99
52) Toluene	10.623	92	6900	1.213	ug/l	96
65) Chlorobenzene	11.888	112	17693	2.630	ug/l	98
67) Ethyl Benzene	11.959	91	967835	84.003	ug/l	99
68) m/p-Xylenes	12.070	106	214005	49.040	ug/l	96
69) o-Xylene	12.394	106	22132	5.101	ug/l	98
73) Isopropylbenzene	12.694	105	369887	33.069	ug/l	99
78) n-propylbenzene	13.029	91	776536	60.496	ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	34947	3.900	ug/l	89
83) tert-Butylbenzene	13.429	119	24242	3.102	ug/l	91
84) 1,2,4-Trimethylbenzene	13.476	105	1060722	118.863	ug/l	100
85) sec-Butylbenzene	13.611	105	82516	7.874	ug/l #	63
86) p-Isopropyltoluene	13.723	119	18536	2.158	ug/l	99
89) n-Butylbenzene	14.053	91	85147	11.958	ug/l #	73

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

Quant Time: May 29 03:58:10 2025
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Quant Title : SW846 8260
QLast Update : Sat May 17 00:46:13 2025
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.224 min Scan# 1

Delta R.T. -0.000 min

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Instrument :

MSVOA_N

ClientSampleId :

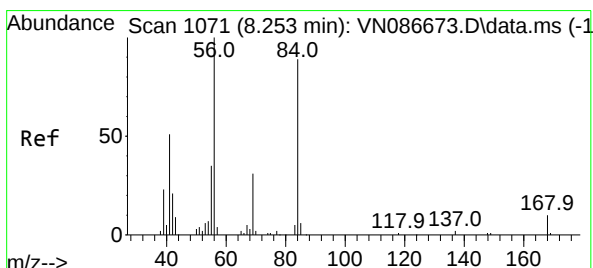
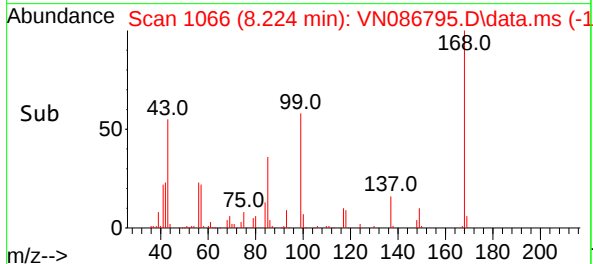
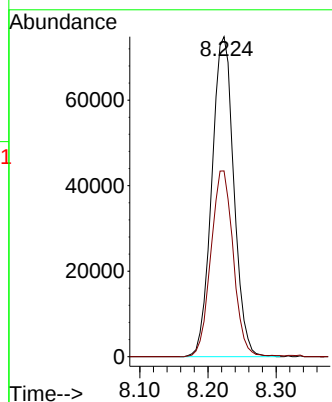
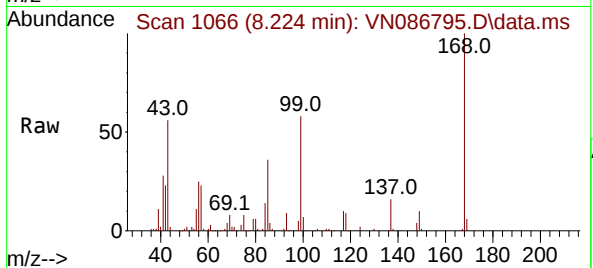
MW10

Tgt Ion:168 Resp: 168502

Ion Ratio Lower Upper

168 100

99 58.1 47.0 70.4



#31

Cyclohexane

Concen: 29.589 ug/l

RT: 8.253 min Scan# 1071

Delta R.T. -0.000 min

Lab File: VN086795.D

Acq: 28 May 2025 13:23

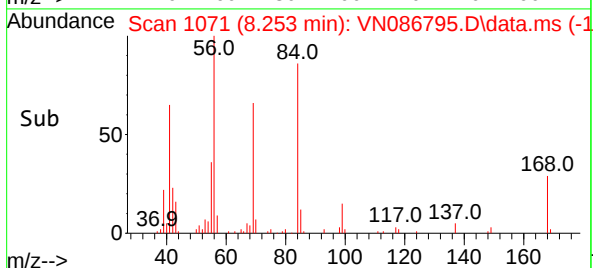
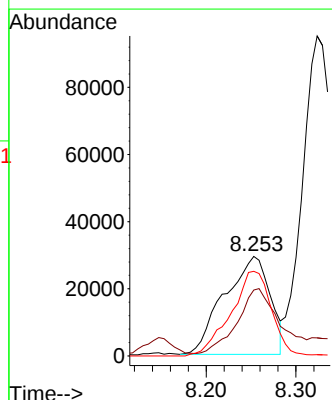
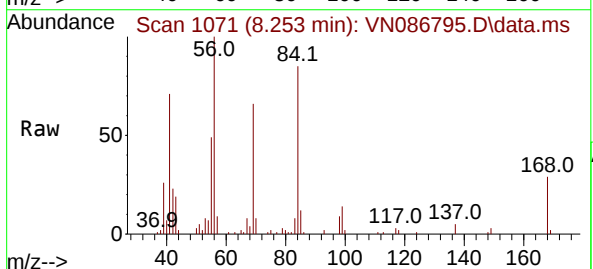
Tgt Ion: 56 Resp: 103401

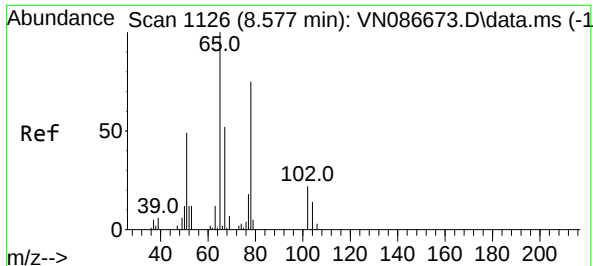
Ion Ratio Lower Upper

56 100

69 61.1 25.0 37.6#

84 86.5 71.0 106.4

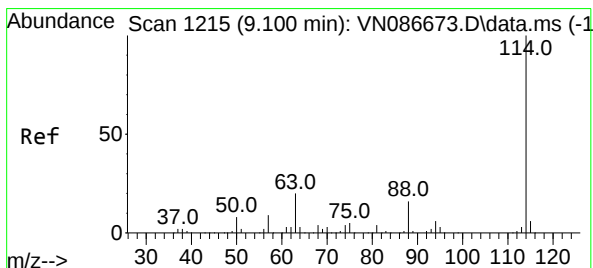
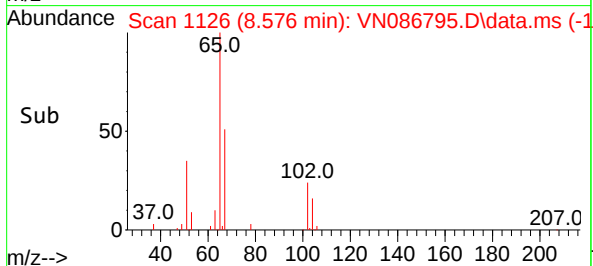
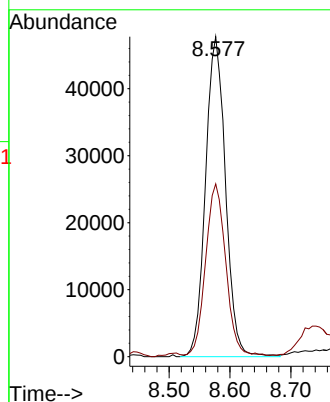
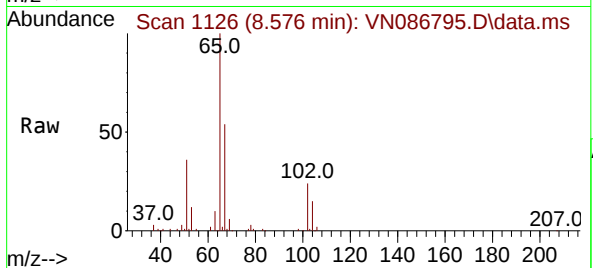




#33
1,2-Dichloroethane-d4
Concen: 46.766 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086795.D
Acq: 28 May 2025 13:23

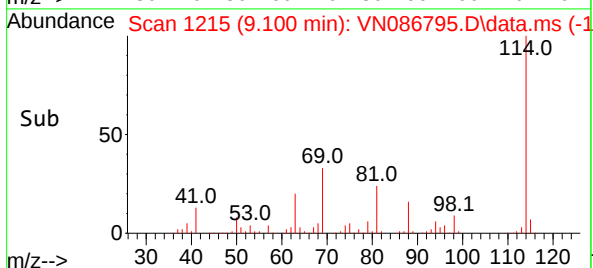
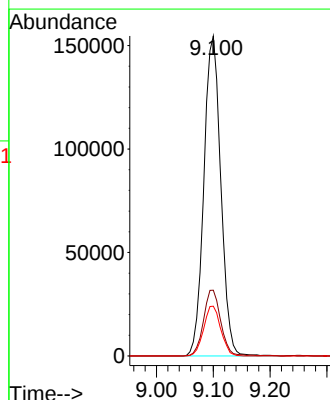
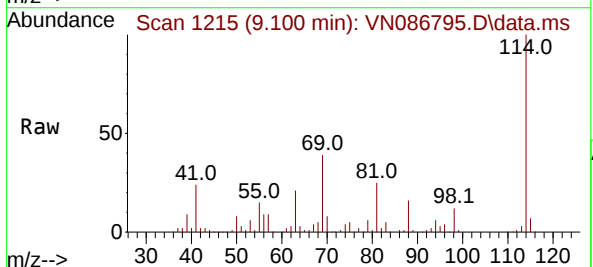
Instrument :
MSVOA_N
ClientSampleId :
MW10

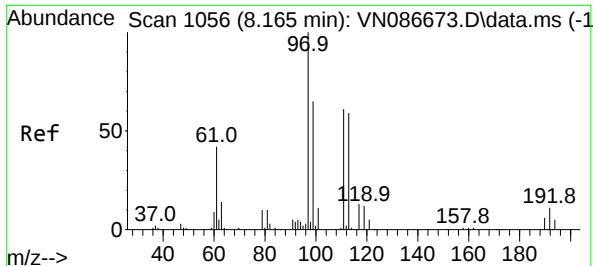
Tgt Ion: 65 Resp: 108890
Ion Ratio Lower Upper
65 100
67 54.1 0.0 106.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN086795.D
Acq: 28 May 2025 13:23

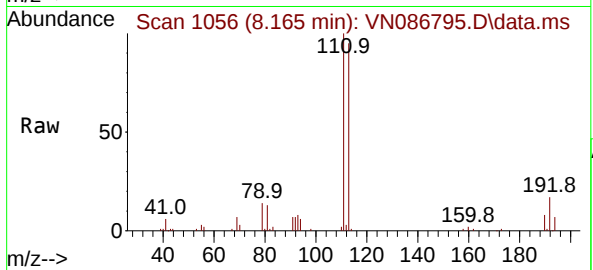
Tgt Ion: 114 Resp: 319448
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.2
88 15.6 0.0 31.2



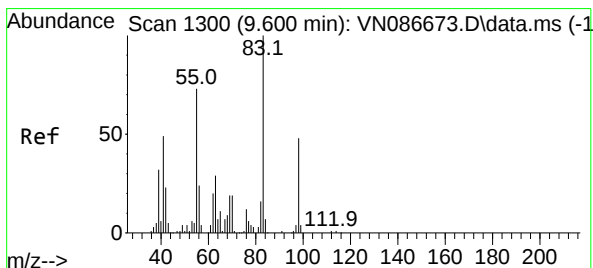
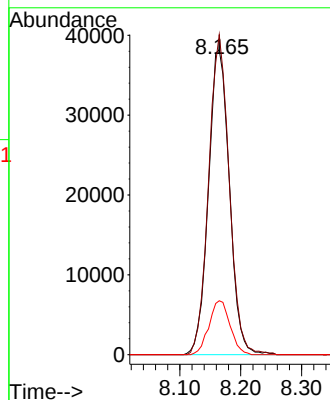
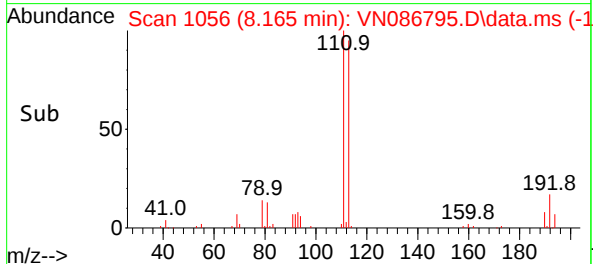


#35
Dibromofluoromethane
Concen: 48.376 ug/l
RT: 8.165 min Scan# 110
Delta R.T. -0.000 min
Lab File: VN086795.D
Acq: 28 May 2025 13:23

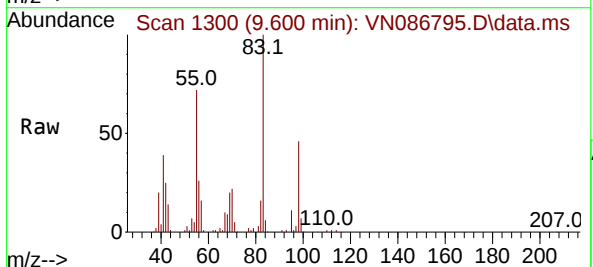
Instrument :
MSVOA_N
ClientSampleId :
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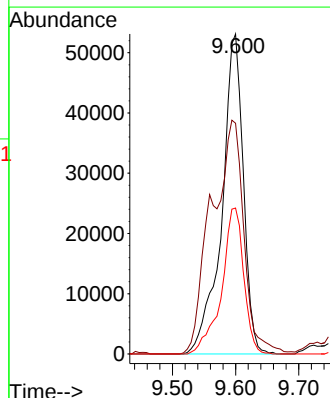
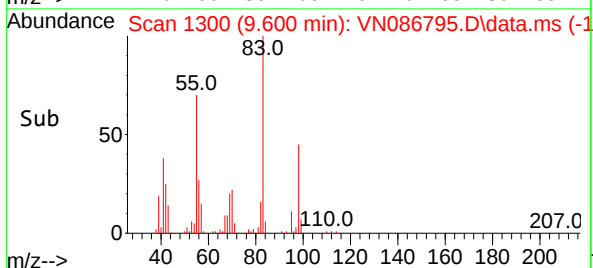
Tgt Ion:113 Resp: 92033
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.2
192 17.6 13.8 20.8

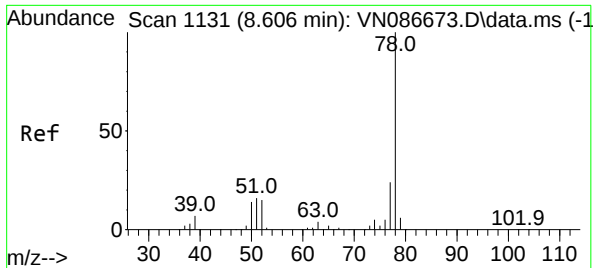


#39
Methylcyclohexane
Concen: 41.361 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.000 min
Lab File: VN086795.D
Acq: 28 May 2025 13:23



Tgt Ion: 83 Resp: 125619
Ion Ratio Lower Upper
83 100
55 72.1 58.2 87.4
98 45.6 38.4 57.6

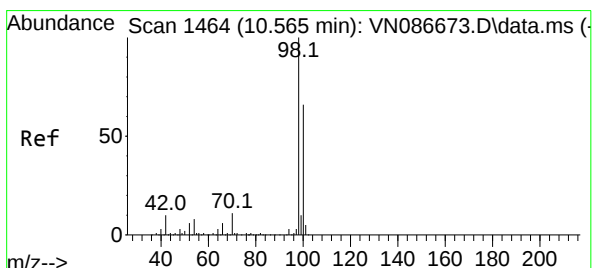
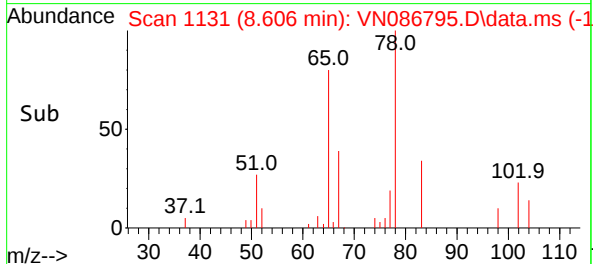
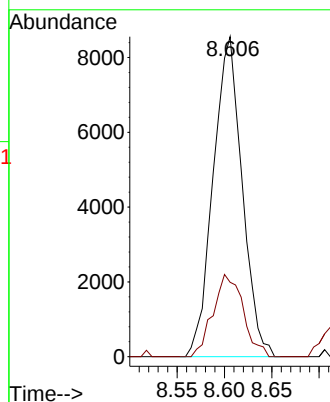
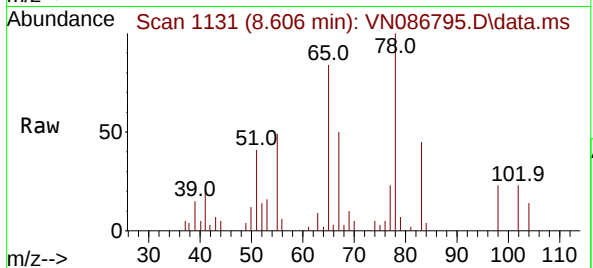




#40
Benzene
Concen: 1.989 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN086795.D
Acq: 28 May 2025 13:23

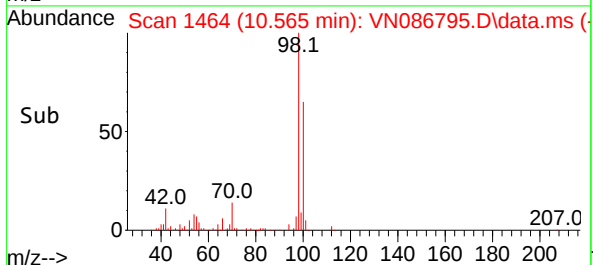
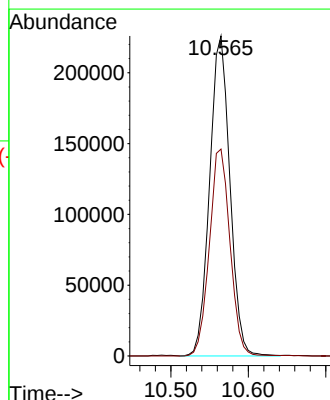
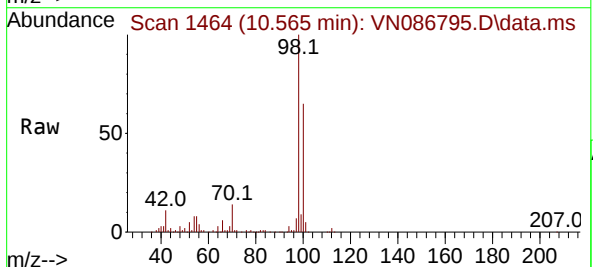
Instrument :
MSVOA_N
ClientSampleId :
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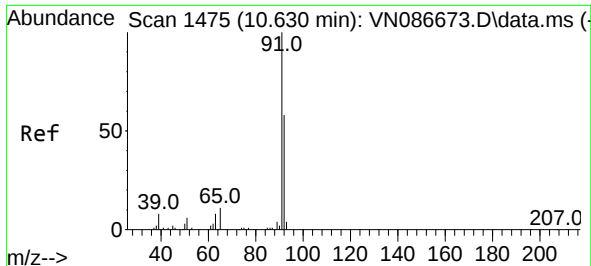
Tgt Ion: 78 Resp: 18211
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7



#50
Toluene-d8
Concen: 52.095 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086795.D
Acq: 28 May 2025 13:23

Tgt Ion: 98 Resp: 410709
Ion Ratio Lower Upper
98 100
100 65.8 52.9 79.3

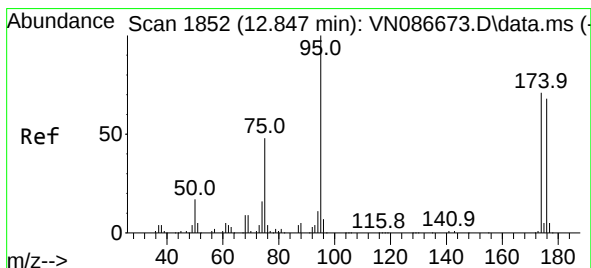
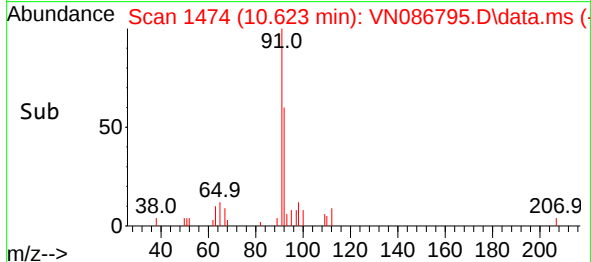
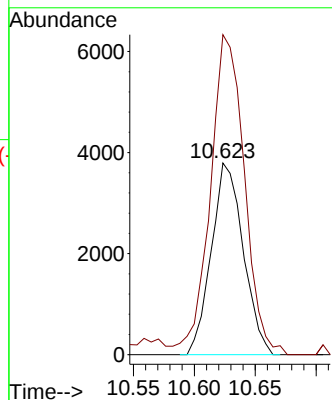
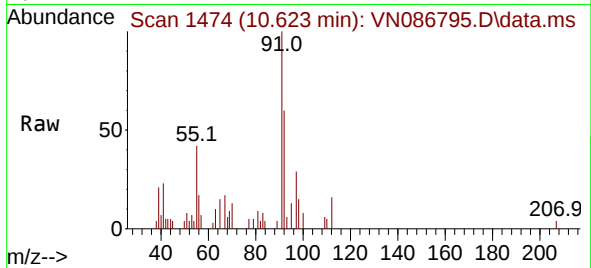




#52
Toluene
Concen: 1.213 ug/l
RT: 10.623 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086795.D
Acq: 28 May 2025 13:23

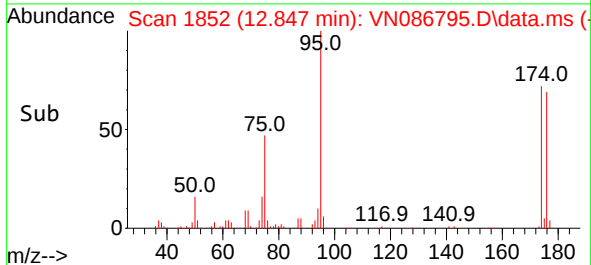
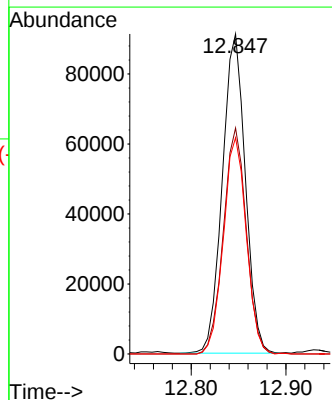
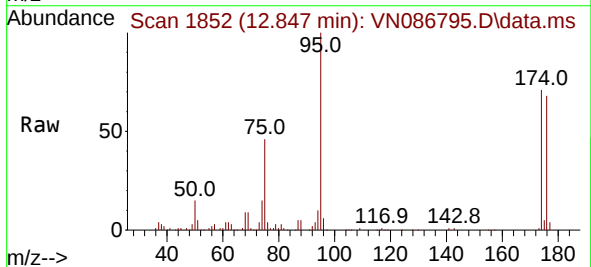
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ClientSampleId :
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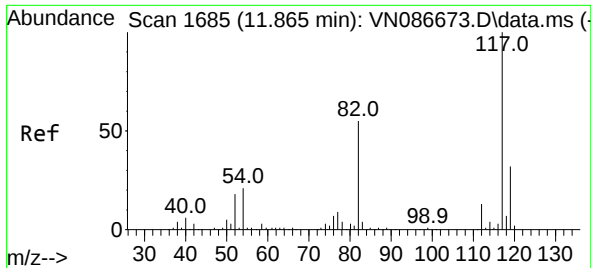
Tgt Ion: 92 Resp: 6900
Ion Ratio Lower Upper
92 100
91 178.2 137.8 206.8



#62
4-Bromofluorobenzene
Concen: 55.208 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086795.D
Acq: 28 May 2025 13:23

Tgt Ion: 95 Resp: 153686
Ion Ratio Lower Upper
95 100
174 70.5 0.0 145.4
176 67.6 0.0 137.8

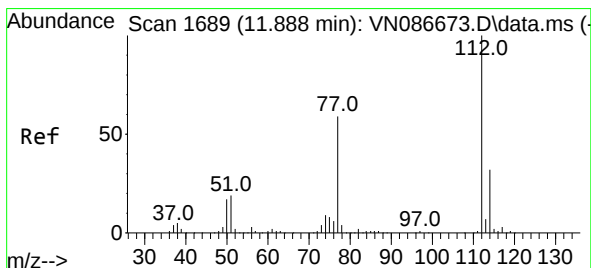
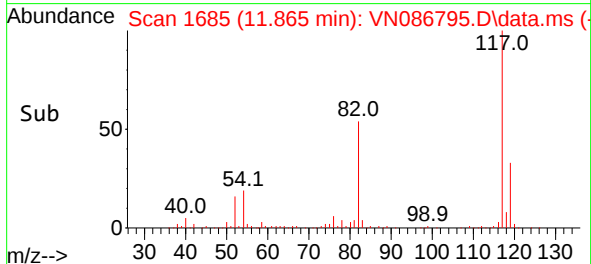
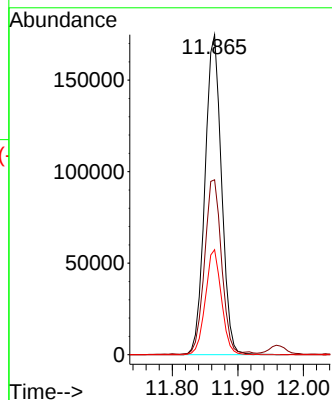
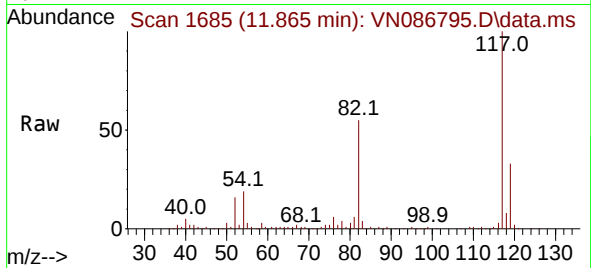




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086795.D
Acq: 28 May 2025 13:23

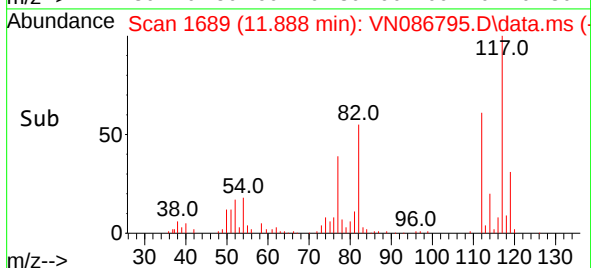
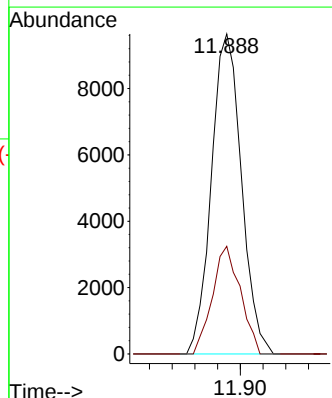
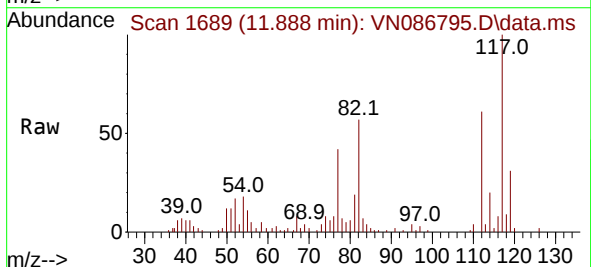
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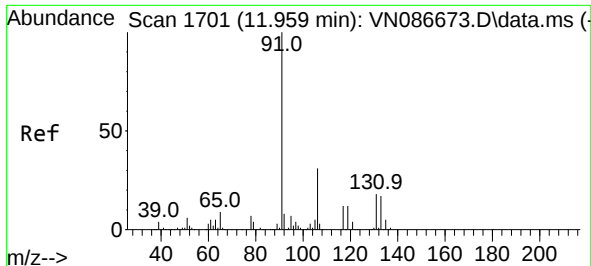
Tgt Ion:117 Resp: 306754
Ion Ratio Lower Upper
117 100
82 54.5 44.2 66.2
119 32.8 25.4 38.2



#65
Chlorobenzene
Concen: 2.630 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN086795.D
Acq: 28 May 2025 13:23

Tgt Ion:112 Resp: 17693
Ion Ratio Lower Upper
112 100
114 33.6 25.9 38.9





#67

Ethyl Benzene

Concen: 84.003 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VN086795.D

Acq: 28 May 2025 13:23

Instrument :

MSVOA_N

ClientSampleId :

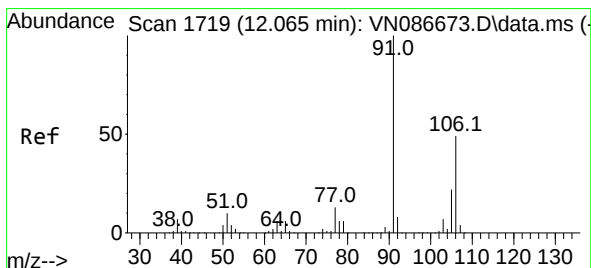
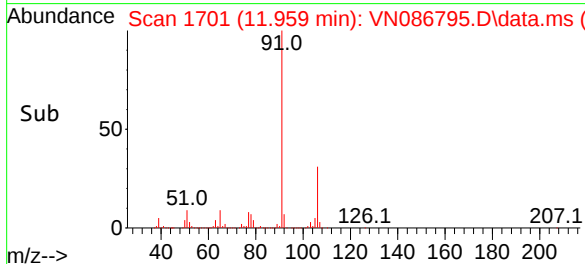
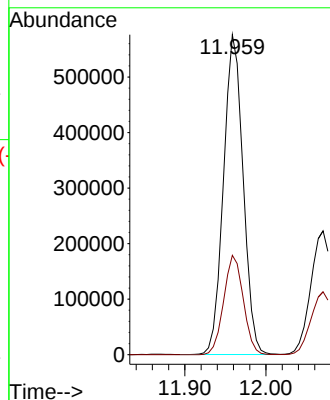
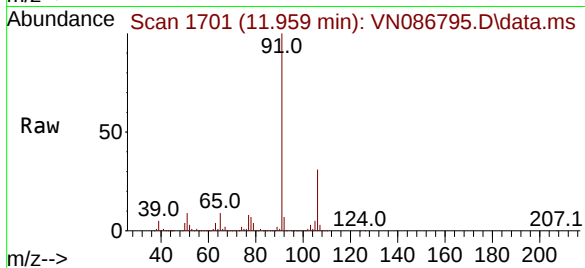
MW10

Tgt Ion: 91 Resp: 967835

Ion Ratio Lower Upper

91 100

106 31.0 24.6 36.8



#68

m/p-Xylenes

Concen: 49.040 ug/l

RT: 12.070 min Scan# 1720

Delta R.T. 0.006 min

Lab File: VN086795.D

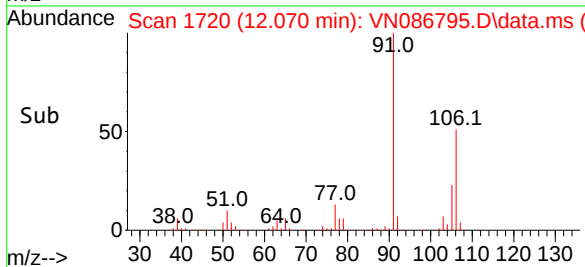
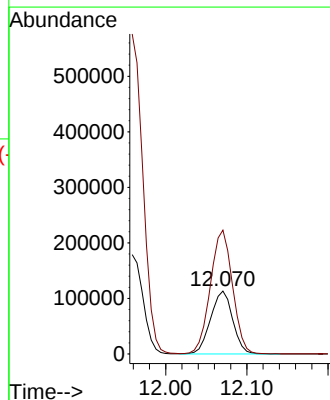
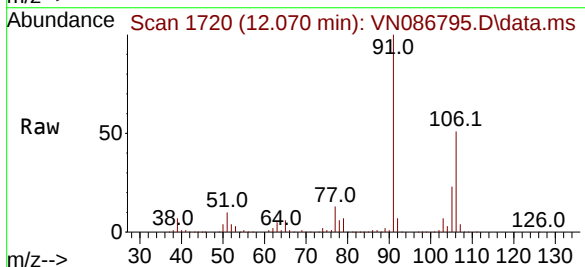
Acq: 28 May 2025 13:23

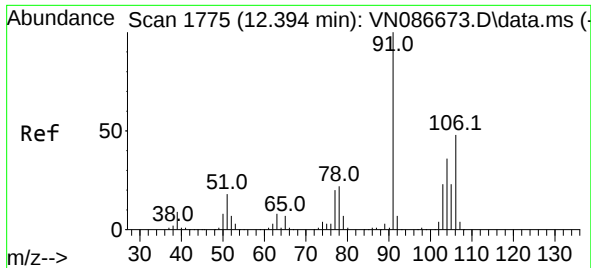
Tgt Ion:106 Resp: 214005

Ion Ratio Lower Upper

106 100

91 197.3 162.4 243.6

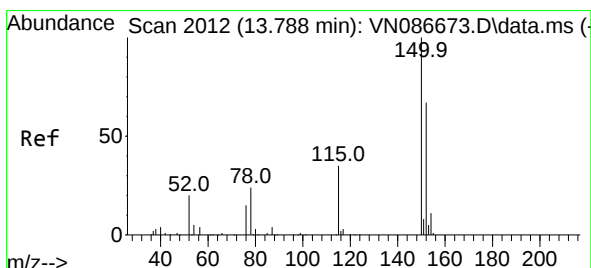
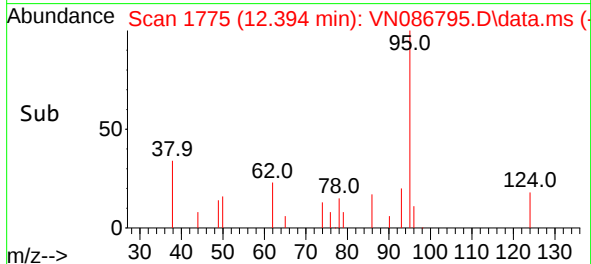
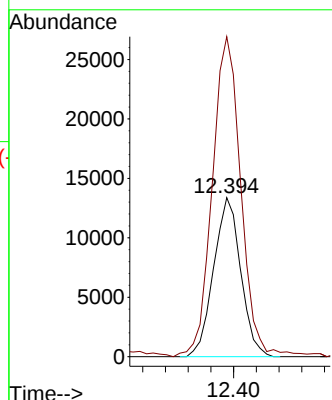
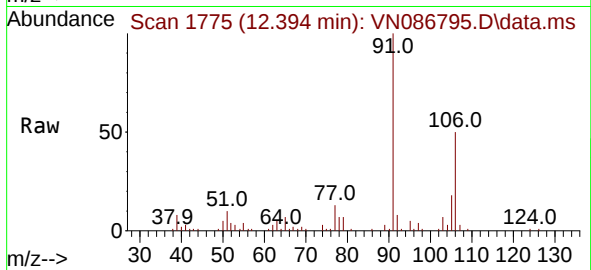




#69
o-Xylene
Concen: 5.101 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086795.D
Acq: 28 May 2025 13:23

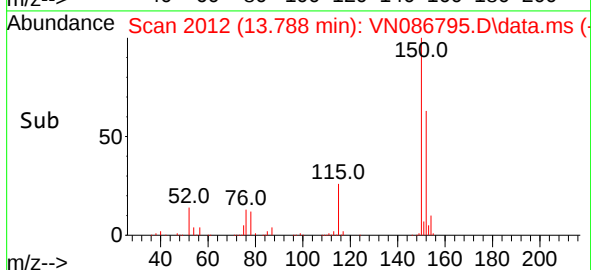
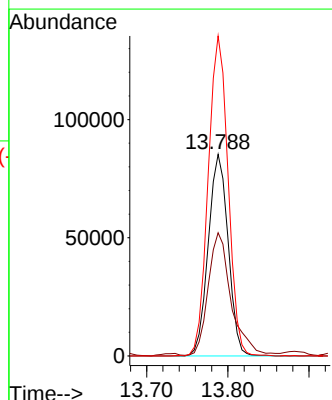
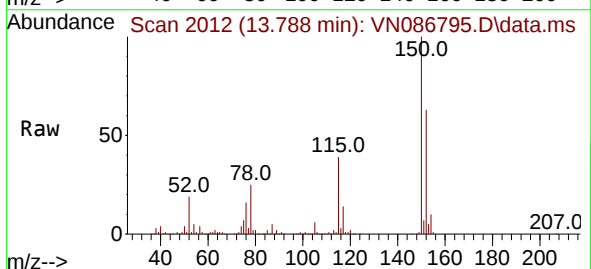
Instrument :
MSVOA_N
ClientSampleId :
MW10

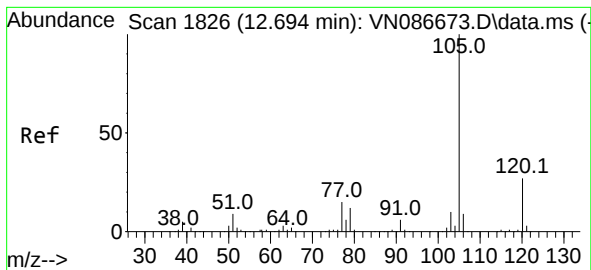
Tgt Ion:106 Resp: 22132
Ion Ratio Lower Upper
106 100
91 213.4 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086795.D
Acq: 28 May 2025 13:23

Tgt Ion:152 Resp: 144822
Ion Ratio Lower Upper
152 100
115 69.9 30.0 90.1
150 158.9 0.0 347.8





#73

Isopropylbenzene

Concen: 33.069 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN086795.D

Acq: 28 May 2025 13:23

Instrument :

MSVOA_N

ClientSampleId :

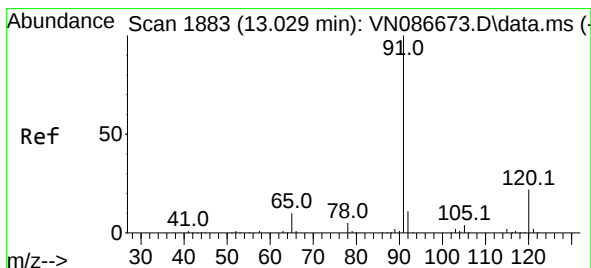
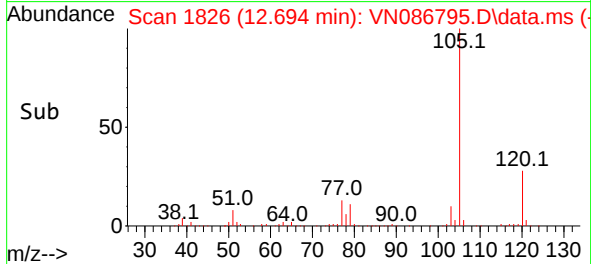
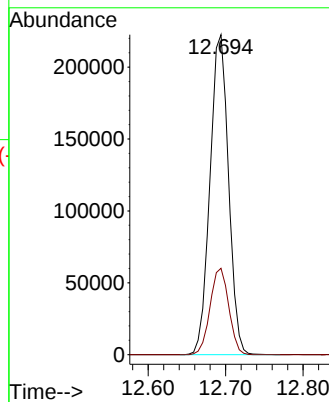
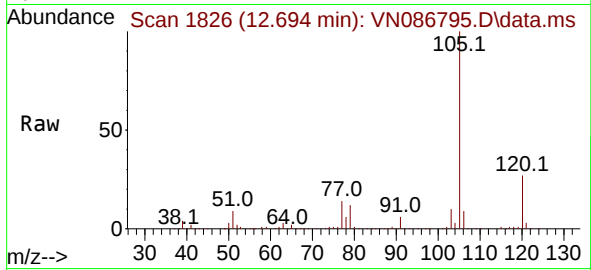
MW10

Tgt Ion:105 Resp: 369887

Ion Ratio Lower Upper

105 100

120 27.2 13.4 40.1



#78

n-propylbenzene

Concen: 60.496 ug/l

RT: 13.029 min Scan# 1883

Delta R.T. -0.000 min

Lab File: VN086795.D

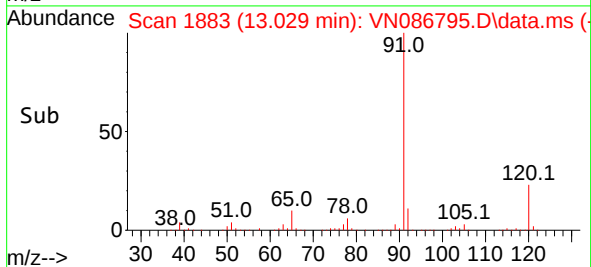
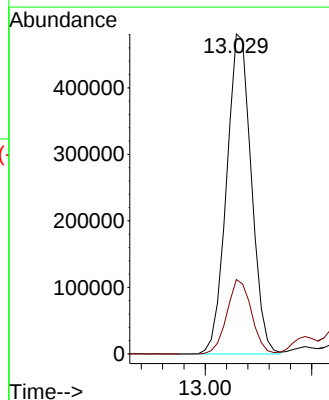
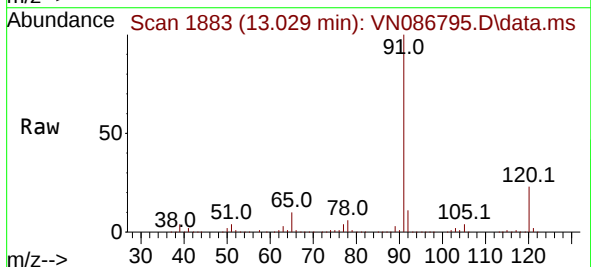
Acq: 28 May 2025 13:23

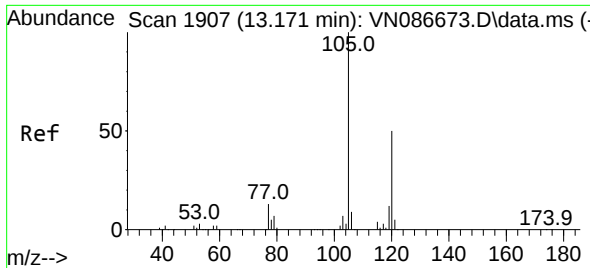
Tgt Ion: 91 Resp: 776536

Ion Ratio Lower Upper

91 100

120 23.0 11.4 34.1

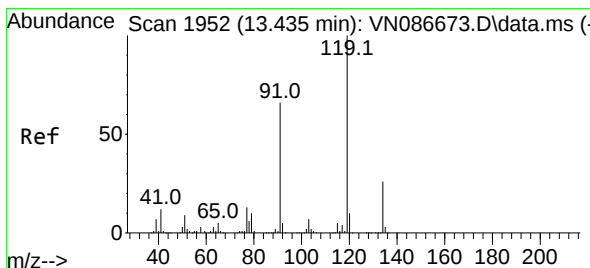
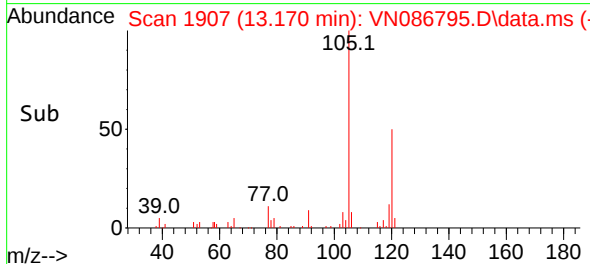
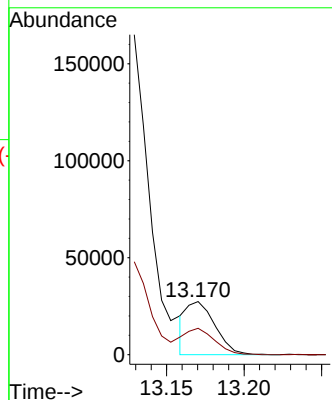
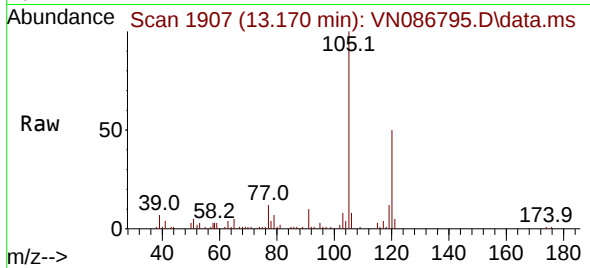




#80
1,3,5-Trimethylbenzene
Concen: 3.900 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086795.D
Acq: 28 May 2025 13:23

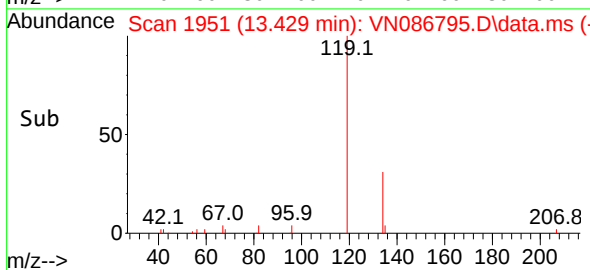
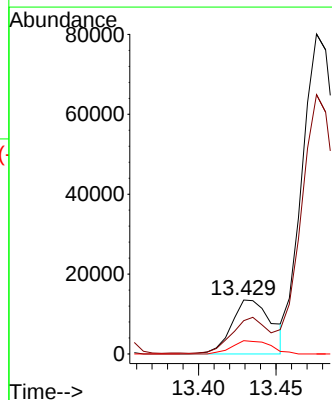
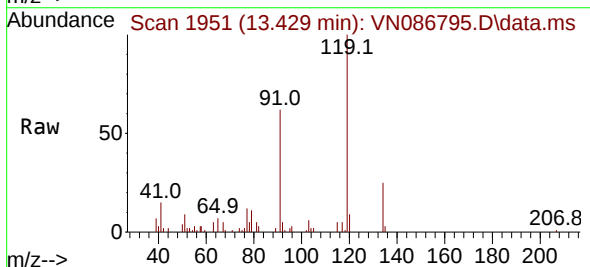
Instrument :
MSVOA_N
ClientSampleId :
MW10

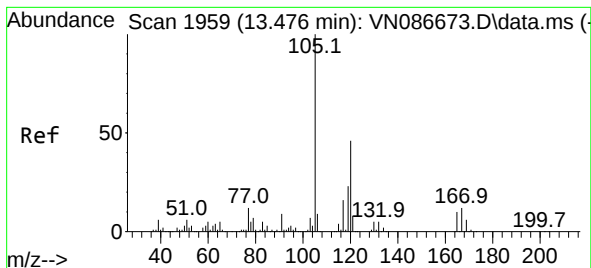
Tgt Ion:105 Resp: 34947
Ion Ratio Lower Upper
105 100
120 57.5 24.9 74.6



#83
tert-Butylbenzene
Concen: 3.102 ug/l
RT: 13.429 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VN086795.D
Acq: 28 May 2025 13:23

Tgt Ion:119 Resp: 24242
Ion Ratio Lower Upper
119 100
91 58.1 32.9 98.7
134 23.6 13.4 40.1





#84

1,2,4-Trimethylbenzene

Concen: 118.863 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN086795.D

Acq: 28 May 2025 13:23

Instrument :

MSVOA_N

ClientSampleId :

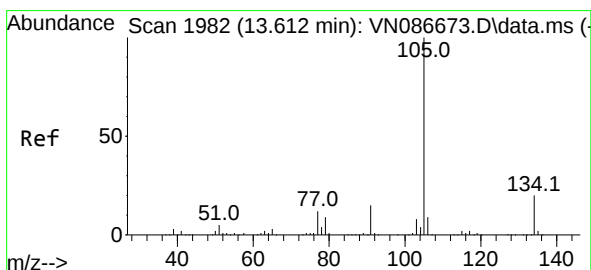
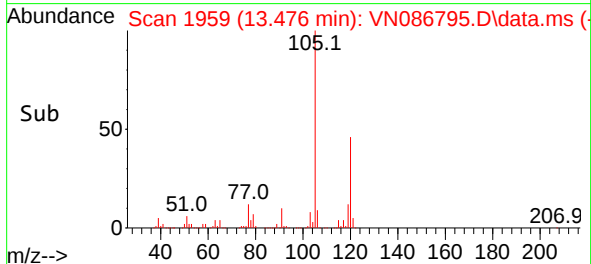
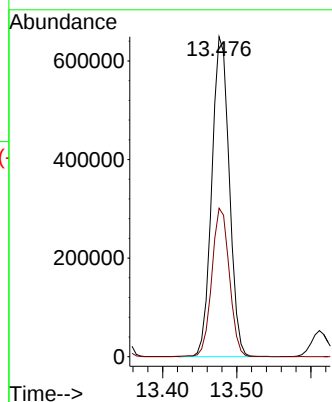
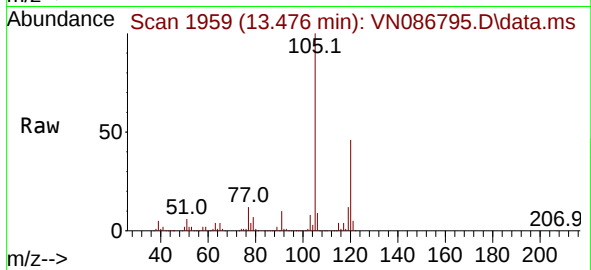
MW10

Tgt Ion:105 Resp: 1060722

Ion Ratio Lower Upper

105 100

120 46.7 23.2 69.6



#85

sec-Butylbenzene

Concen: 7.874 ug/l

RT: 13.611 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN086795.D

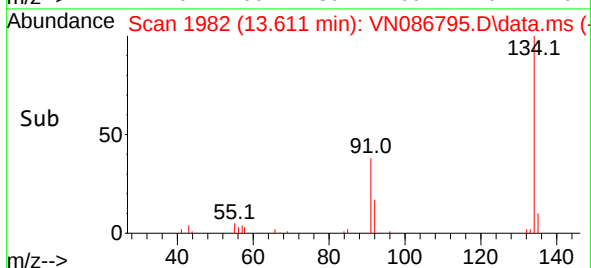
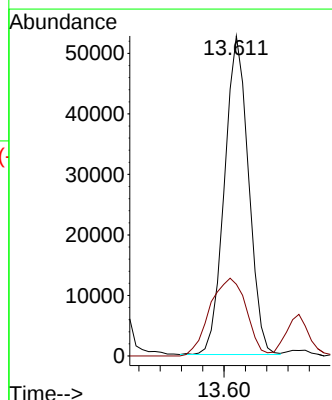
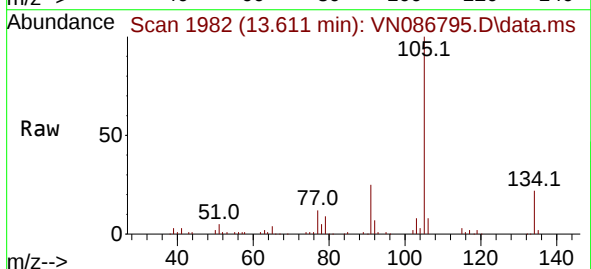
Acq: 28 May 2025 13:23

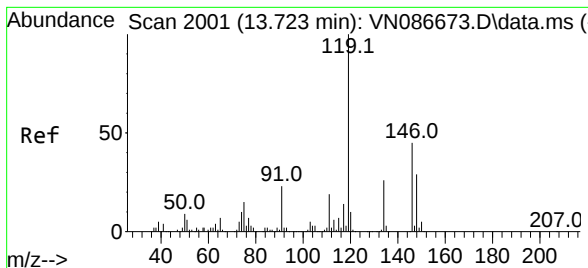
Tgt Ion:105 Resp: 82516

Ion Ratio Lower Upper

105 100

134 37.0 10.1 30.1#





#86

p-Isopropyltoluene

Concen: 2.158 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. -0.000 min

Lab File: VN086795.D

Acq: 28 May 2025 13:23

Instrument :

MSVOA_N

ClientSampleId :

MW10

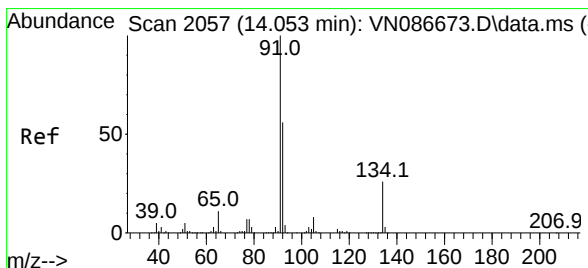
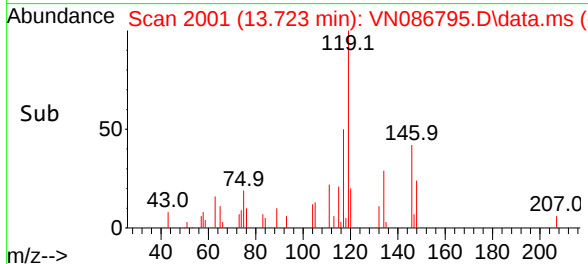
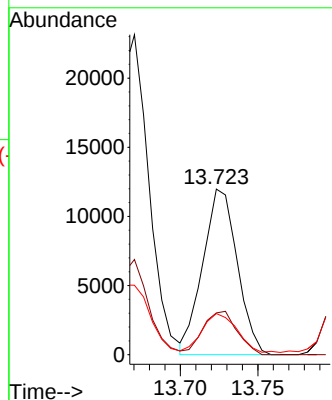
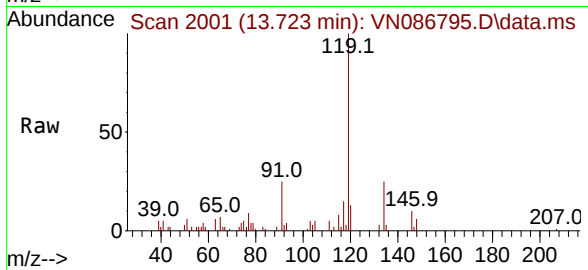
Tgt Ion:119 Resp: 18536

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.1

91 23.5 11.5 34.5



#89

n-Butylbenzene

Concen: 11.958 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086795.D

Acq: 28 May 2025 13:23

Tgt Ion: 91 Resp: 85147

Ion Ratio Lower Upper

91 100

92 43.1 27.4 82.0

134 0.0 12.8 38.4#

