

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050625\
 Data File : VN086521.D
 Acq On : 06 May 2025 17:48
 Operator : JC\MD
 Sample : Q1914-09ME
 Misc : 8.00g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SS-8ME

Quant Time: May 07 02:57:24 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)

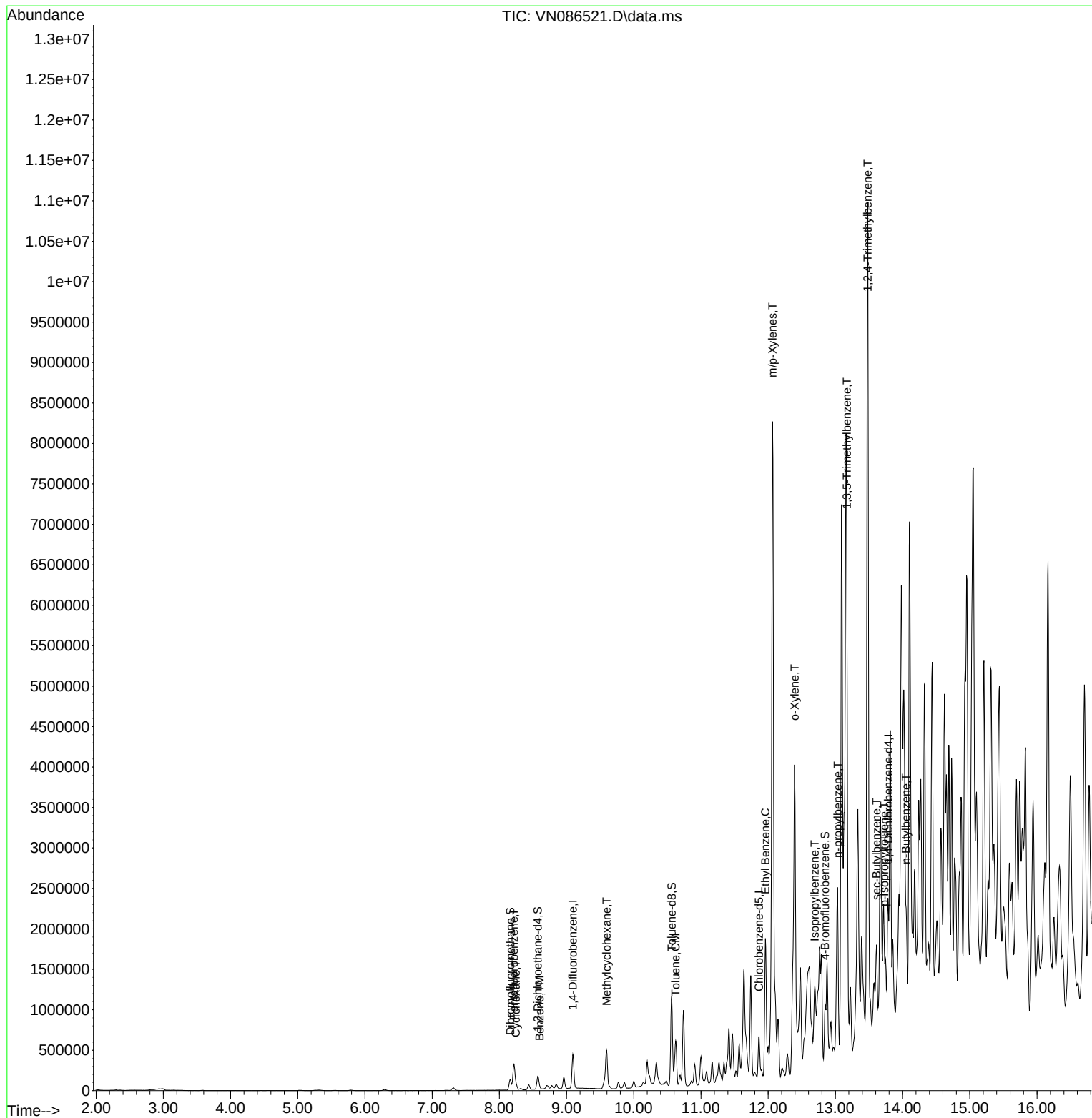
Internal Standards						
1) Pentafluorobenzene	8.218	168	202938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	380050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	349216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	134777	45.799	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.600%		
35) Dibromofluoromethane	8.165	113	96495	54.707	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.420%		
50) Toluene-d8	10.565	98	496637	52.683	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	105.360%		
62) 4-Bromofluorobenzene	12.847	95	181138	52.681	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	105.360%		
Target Compounds					Qvalue	
31) Cyclohexane	8.247	56	46558	9.763	ug/l	97
39) Methylcyclohexane	9.594	83	222725	53.188	ug/l	98
40) Benzene	8.600	78	20484	1.815	ug/l	99
52) Toluene	10.624	92	248064	35.221	ug/l	99
67) Ethyl Benzene	11.959	91	1193226	84.847	ug/l	98
68) m/p-Xylenes	12.065	106	1669102	316.751	ug/l	94
69) o-Xylene	12.394	106	924644	177.435	ug/l	99
73) Isopropylbenzene	12.694	105	398999	29.143	ug/l	98
78) n-propylbenzene	13.035	91	1412818	87.574	ug/l	94
80) 1,3,5-Trimethylbenzene	13.171	105	1689446	150.768	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	6179823	541.792	ug/l	97
85) sec-Butylbenzene	13.612	105	518186	38.477	ug/l	83
86) p-Isopropyltoluene	13.729	119	307625	27.712	ug/l	98
89) n-Butylbenzene	14.053	91	705374	71.689	ug/l #	83

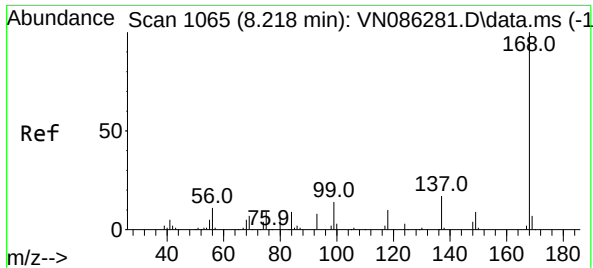
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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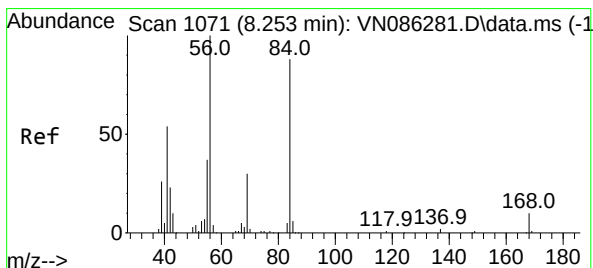
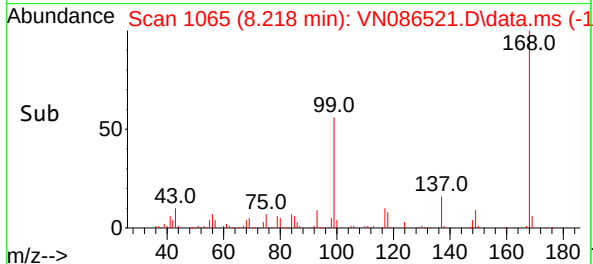
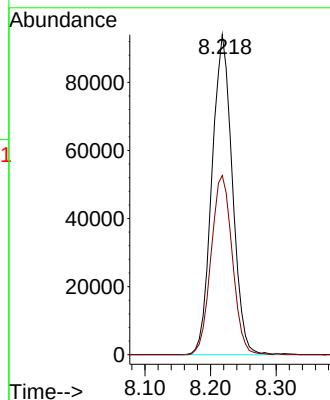
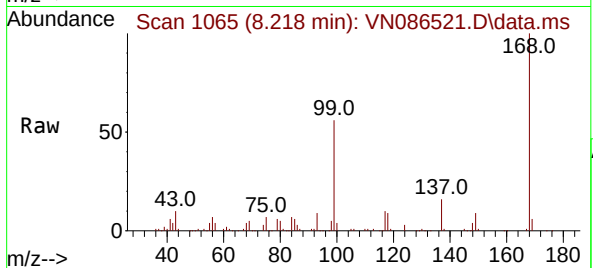




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086521.D
Acq: 06 May 2025 17:48

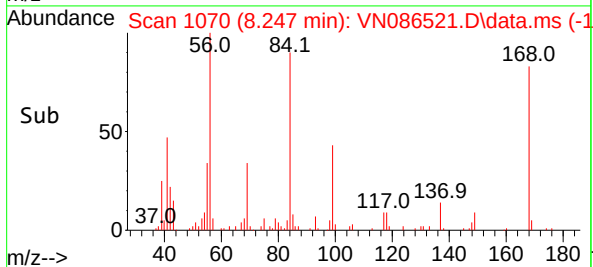
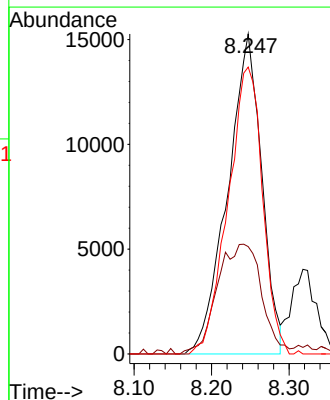
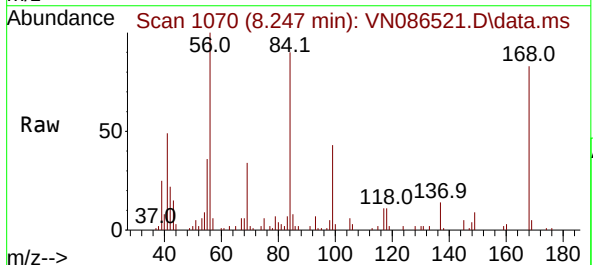
Instrument :
MSVOA_N
ClientSampleId :
SS-8ME

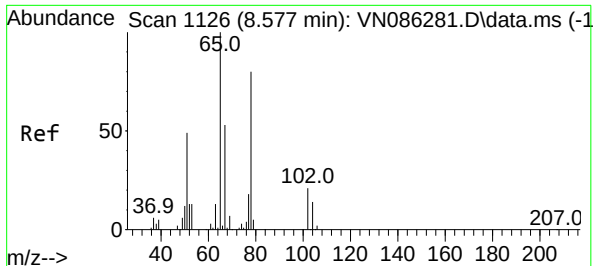
Tgt Ion:168 Resp: 202938
Ion Ratio Lower Upper
168 100
99 56.0 52.5 78.7



#31
Cyclohexane
Concen: 9.763 ug/l
RT: 8.247 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VN086521.D
Acq: 06 May 2025 17:48

Tgt Ion: 56 Resp: 46558
Ion Ratio Lower Upper
56 100
69 33.6 24.2 36.2
84 89.7 70.3 105.5





#33

1,2-Dichloroethane-d4

Concen: 45.799 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN086521.D

Acq: 06 May 2025 17:48

Instrument :

MSVOA_N

ClientSampleId :

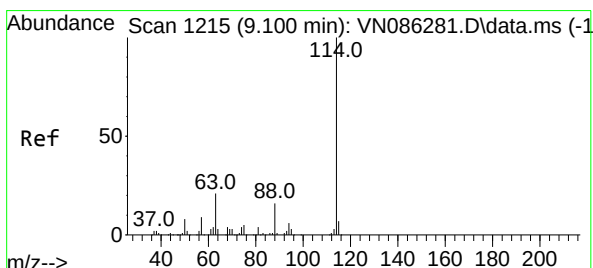
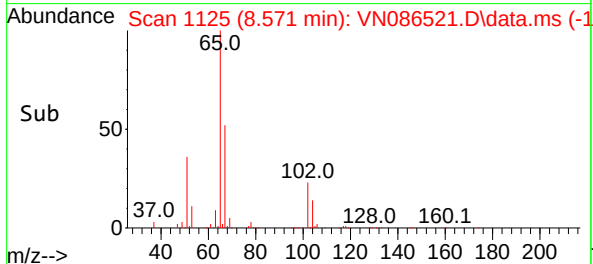
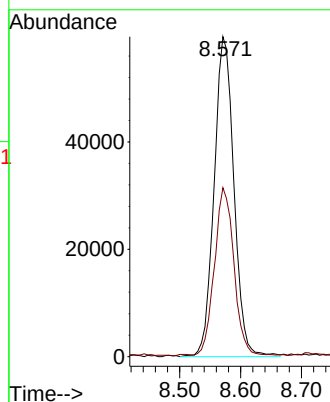
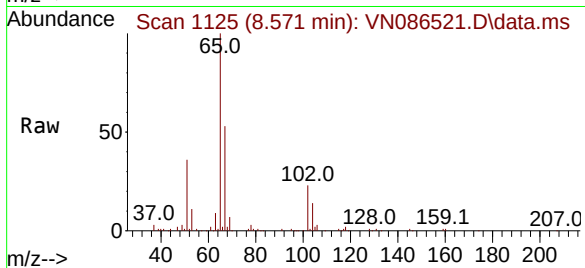
SS-8ME

Tgt Ion: 65 Resp: 134777

Ion Ratio Lower Upper

65 100

67 51.0 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086521.D

Acq: 06 May 2025 17:48

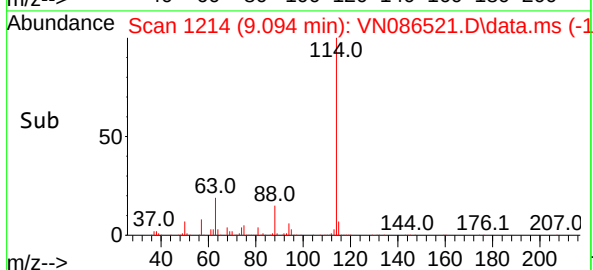
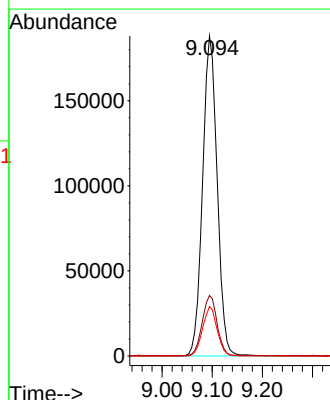
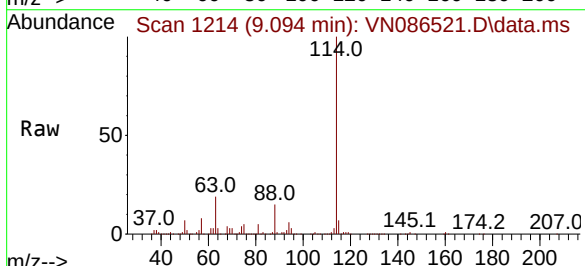
Tgt Ion: 114 Resp: 380050

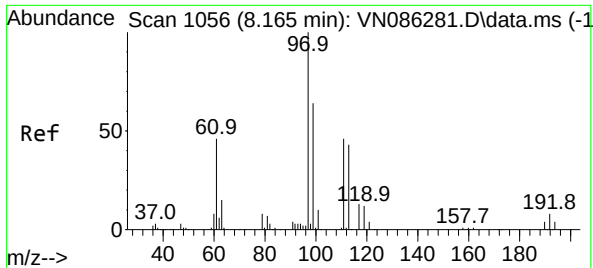
Ion Ratio Lower Upper

114 100

63 18.8 0.0 42.6

88 15.4 0.0 31.8

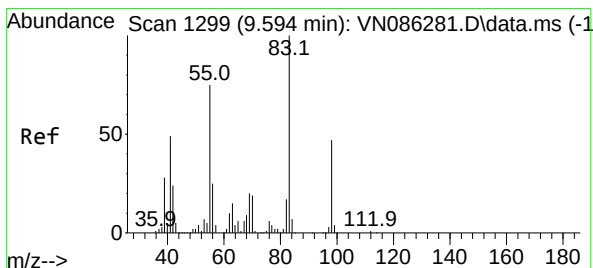
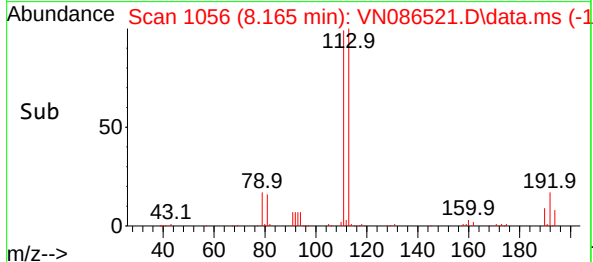
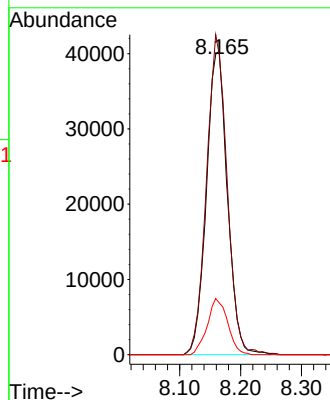
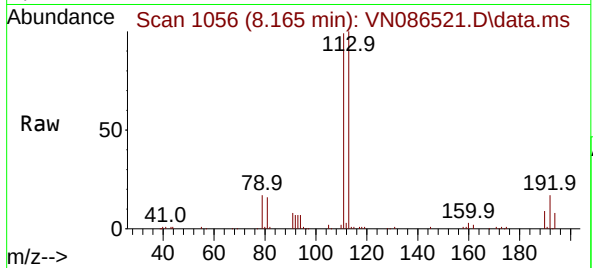




#35
Dibromofluoromethane
Concen: 54.707 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086521.D
Acq: 06 May 2025 17:48

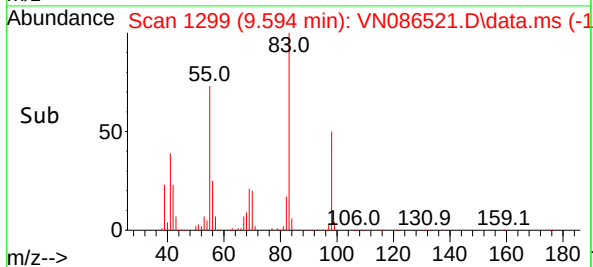
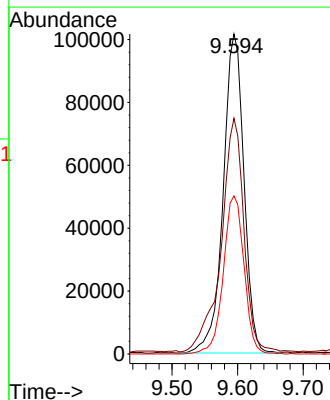
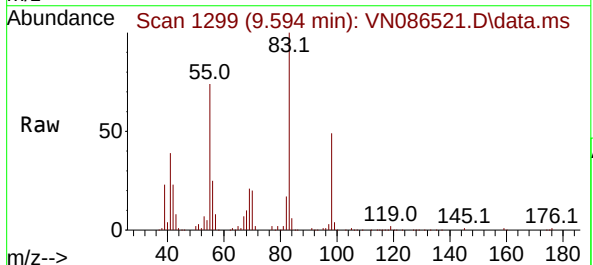
Instrument :
MSVOA_N
ClientSampleId :
SS-8ME

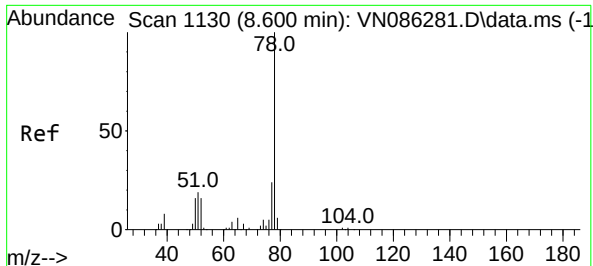
Tgt Ion:113 Resp: 96495
Ion Ratio Lower Upper
113 100
111 103.3 83.4 125.0
192 18.0 13.7 20.5



#39
Methylcyclohexane
Concen: 53.188 ug/l
RT: 9.594 min Scan# 1299
Delta R.T. 0.000 min
Lab File: VN086521.D
Acq: 06 May 2025 17:48

Tgt Ion: 83 Resp: 222725
Ion Ratio Lower Upper
83 100
55 73.2 59.8 89.8
98 49.5 37.9 56.9

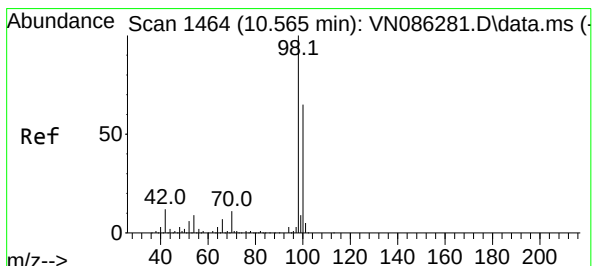
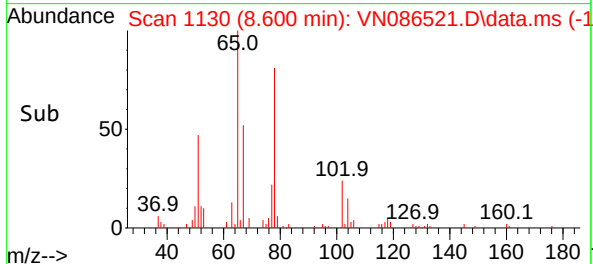
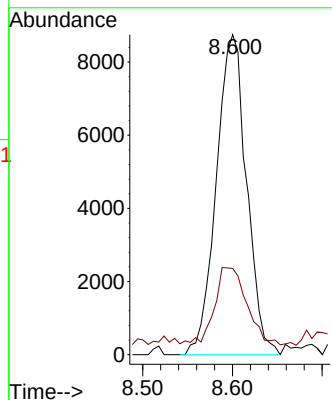
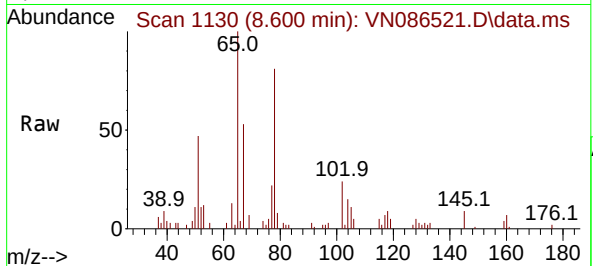




#40
Benzene
Concen: 1.815 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VN086521.D
Acq: 06 May 2025 17:48

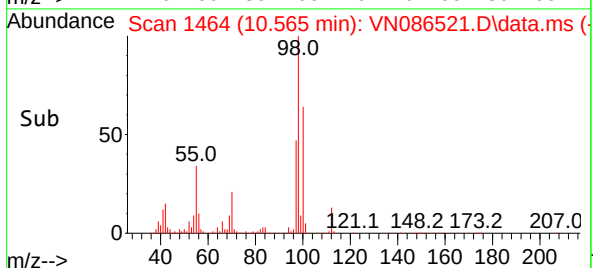
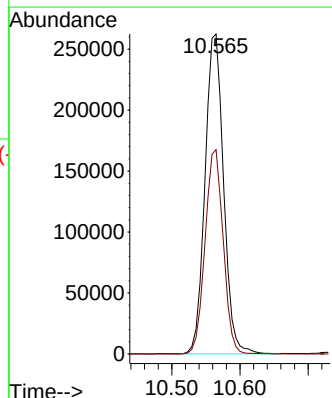
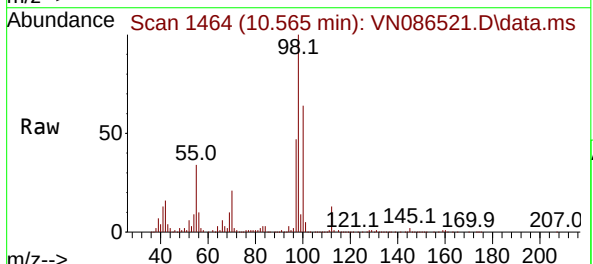
Instrument :
MSVOA_N
ClientSampleId :
SS-8ME

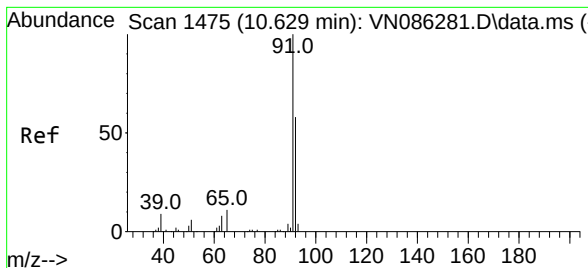
Tgt Ion: 78 Resp: 20484
Ion Ratio Lower Upper
78 100
77 23.8 19.4 29.2



#50
Toluene-d8
Concen: 52.683 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086521.D
Acq: 06 May 2025 17:48

Tgt Ion: 98 Resp: 496637
Ion Ratio Lower Upper
98 100
100 62.4 52.5 78.7





#52

Toluene

Concen: 35.221 ug/l

RT: 10.624 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN086521.D

Acq: 06 May 2025 17:48

Instrument :

MSVOA_N

ClientSampleId :

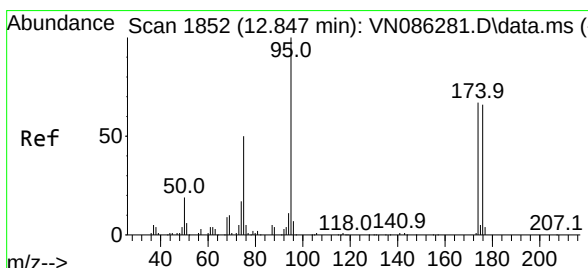
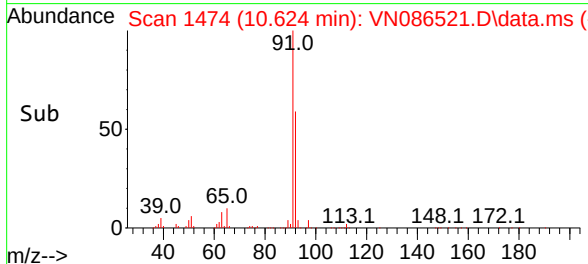
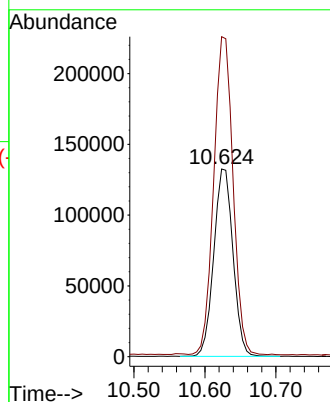
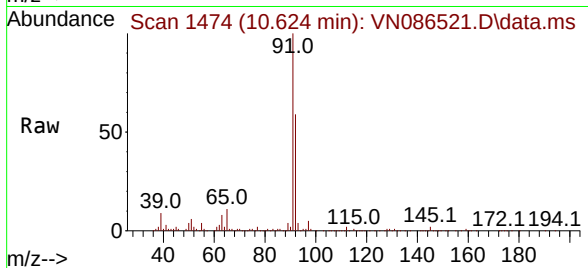
SS-8ME

Tgt Ion: 92 Resp: 248064

Ion Ratio Lower Upper

92 100

91 170.5 137.3 205.9



#62

4-Bromofluorobenzene

Concen: 52.681 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN086521.D

Acq: 06 May 2025 17:48

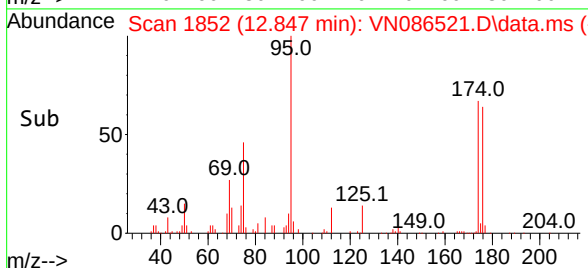
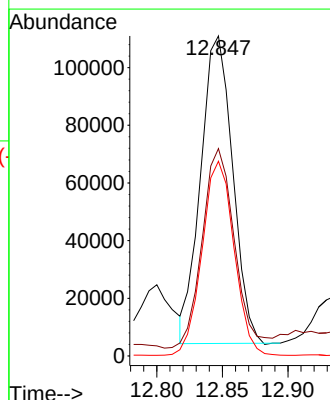
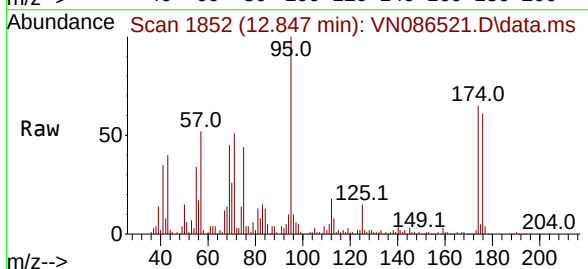
Tgt Ion: 95 Resp: 181138

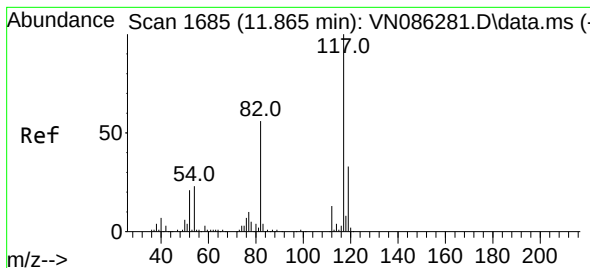
Ion Ratio Lower Upper

95 100

174 65.9 0.0 133.4

176 63.0 0.0 129.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086521.D

Acq: 06 May 2025 17:48

Instrument :

MSVOA_N

ClientSampleId :

SS-8ME

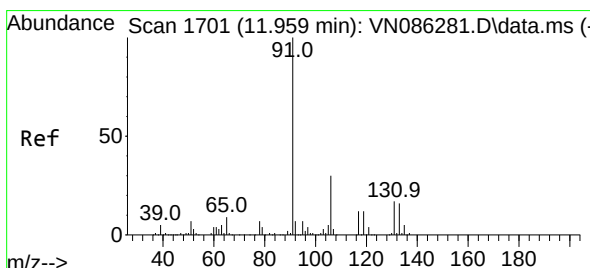
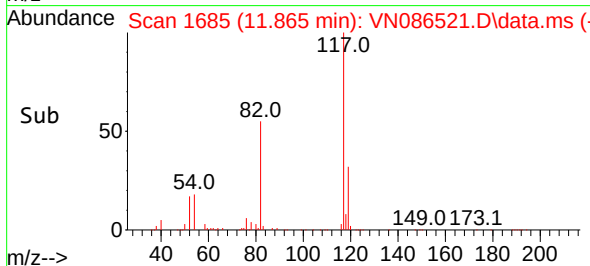
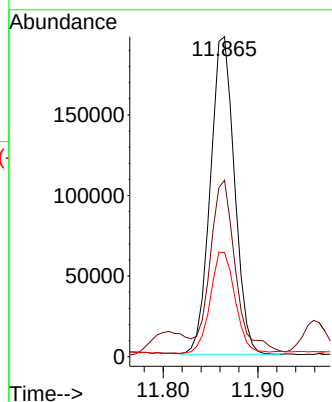
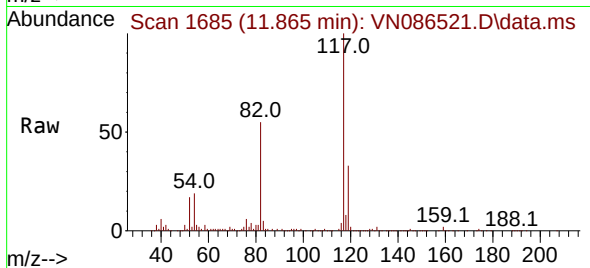
Tgt Ion:117 Resp: 349216

Ion Ratio Lower Upper

117 100

82 53.8 44.7 67.1

119 31.8 26.4 39.6



#67

Ethyl Benzene

Concen: 84.847 ug/l

RT: 11.959 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN086521.D

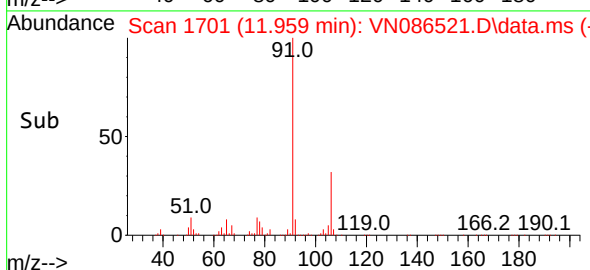
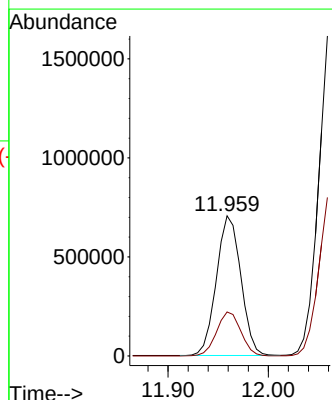
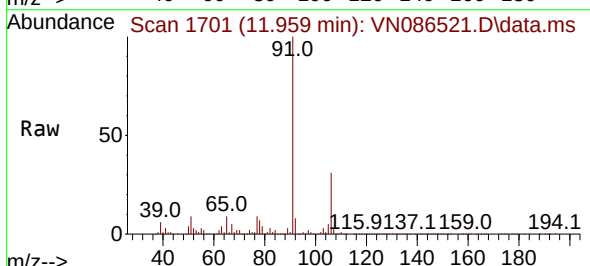
Acq: 06 May 2025 17:48

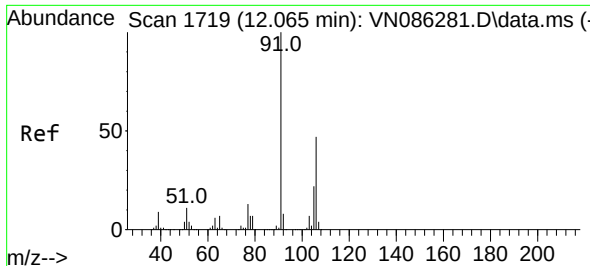
Tgt Ion: 91 Resp: 1193226

Ion Ratio Lower Upper

91 100

106 31.5 24.3 36.5

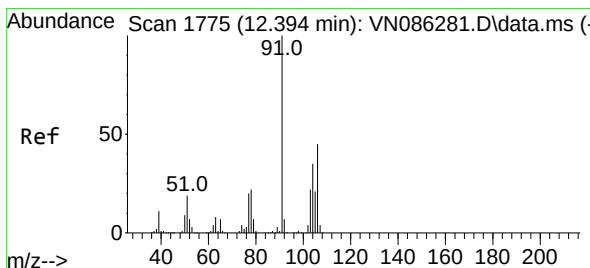
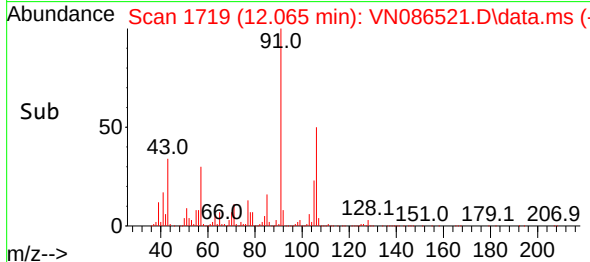
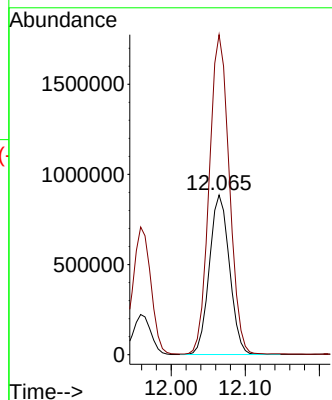
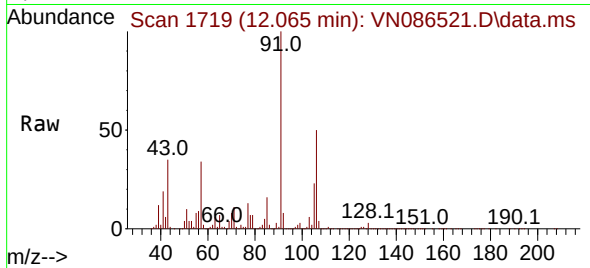




#68
m/p-Xylenes
Concen: 316.751 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086521.D
Acq: 06 May 2025 17:48

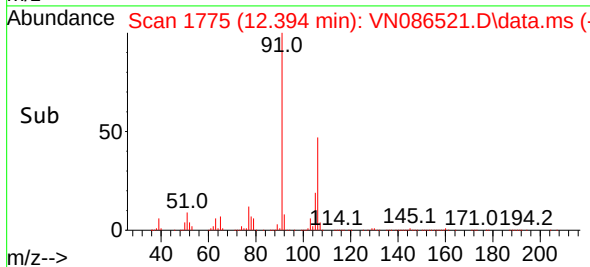
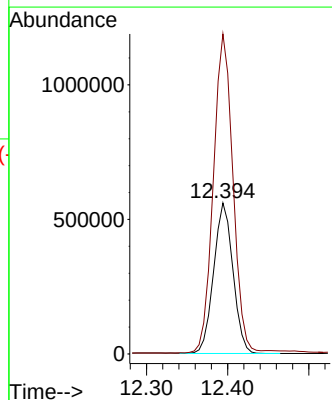
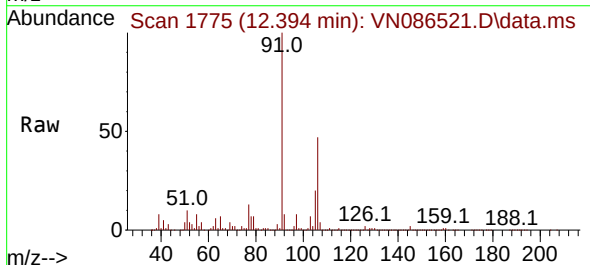
Instrument :
MSVOA_N
ClientSampleId :
SS-8ME

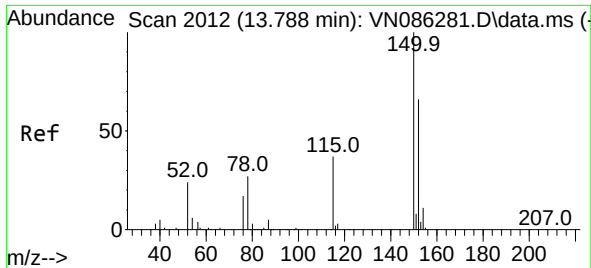
Tgt Ion:106 Resp: 1669102
Ion Ratio Lower Upper
106 100
91 199.5 166.5 249.7



#69
o-Xylene
Concen: 177.435 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086521.D
Acq: 06 May 2025 17:48

Tgt Ion:106 Resp: 924644
Ion Ratio Lower Upper
106 100
91 218.4 109.7 329.0

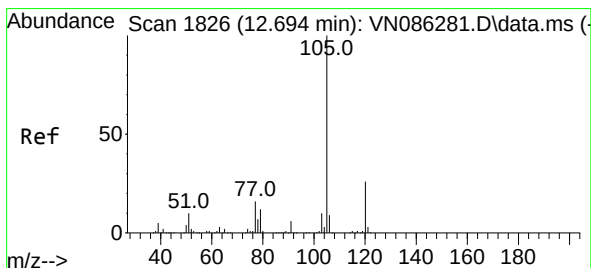
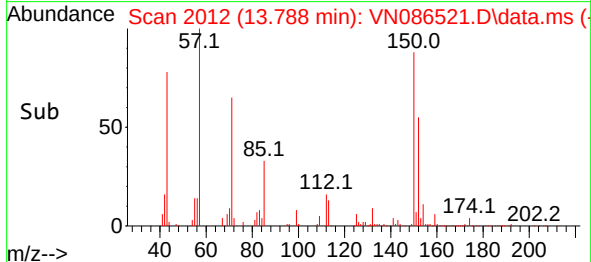
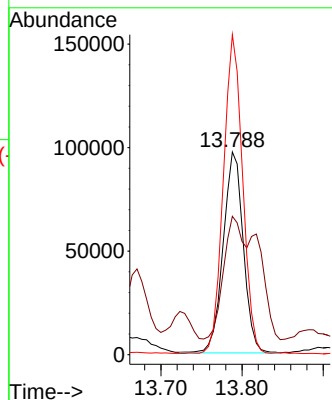
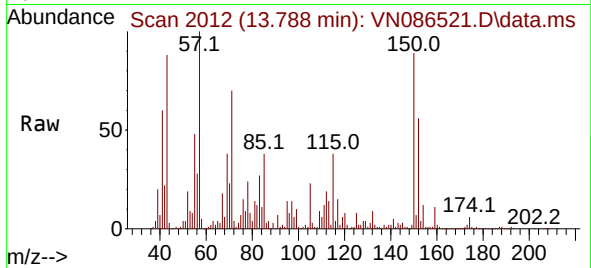




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN086521.D
 Acq: 06 May 2025 17:48

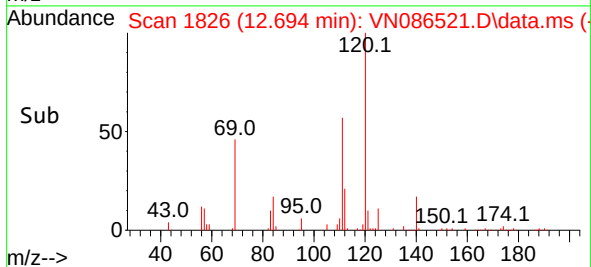
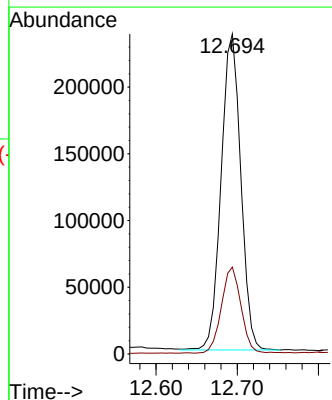
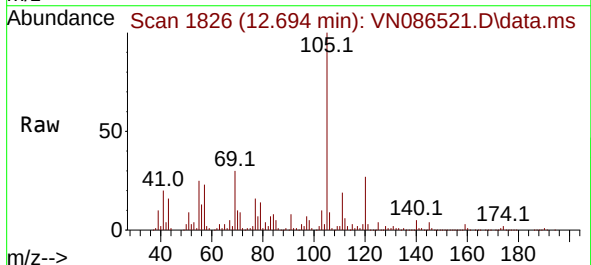
Instrument :
 MSVOA_N
 ClientSampleId :
 SS-8ME

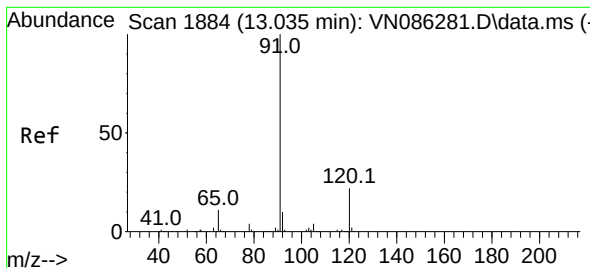
Tgt Ion:152 Resp: 167366
 Ion Ratio Lower Upper
 152 100
 115 64.7 31.9 95.9
 150 151.0 0.0 352.0



#73
 Isopropylbenzene
 Concen: 29.143 ug/l
 RT: 12.694 min Scan# 1826
 Delta R.T. 0.000 min
 Lab File: VN086521.D
 Acq: 06 May 2025 17:48

Tgt Ion:105 Resp: 398999
 Ion Ratio Lower Upper
 105 100
 120 27.2 13.1 39.3





#78

n-propylbenzene

Concen: 87.574 ug/l

RT: 13.035 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN086521.D

Acq: 06 May 2025 17:48

Instrument :

MSVOA_N

ClientSampleId :

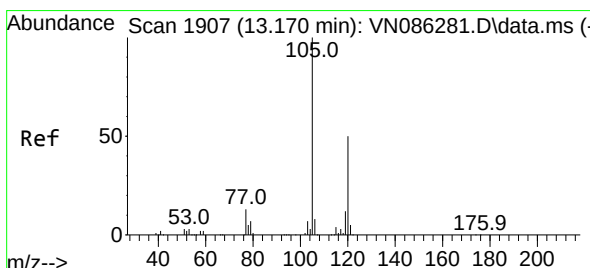
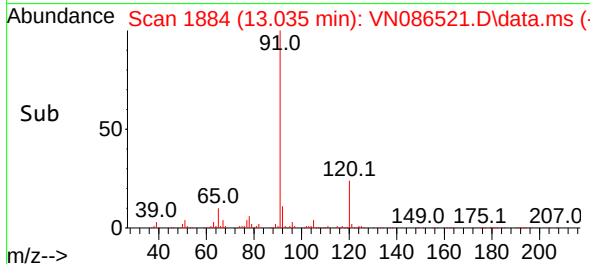
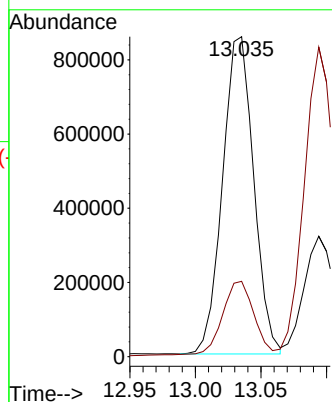
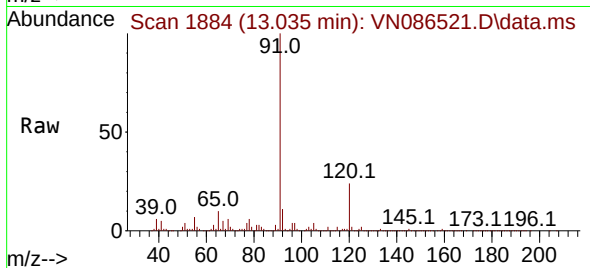
SS-8ME

Tgt Ion: 91 Resp: 1412818

Ion Ratio Lower Upper

91 100

120 25.0 11.1 33.3



#80

1,3,5-Trimethylbenzene

Concen: 150.768 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VN086521.D

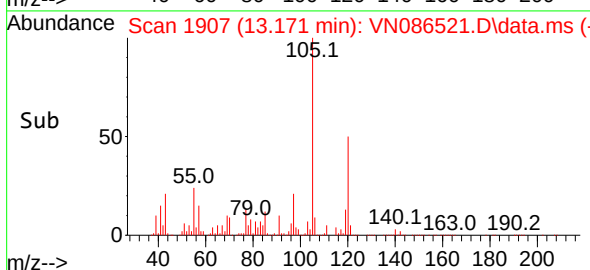
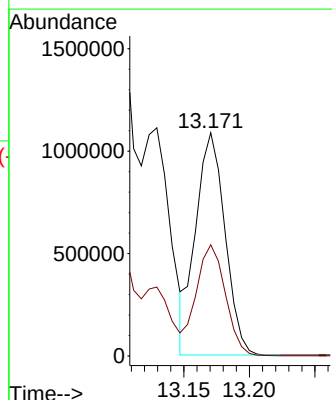
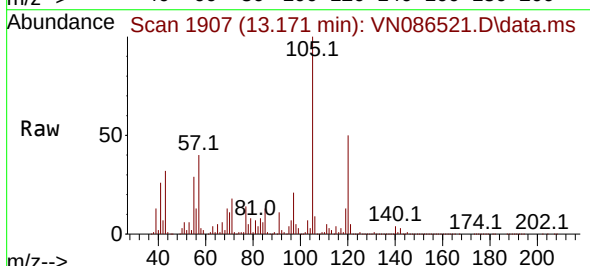
Acq: 06 May 2025 17:48

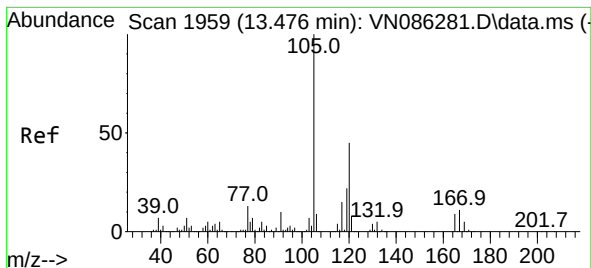
Tgt Ion:105 Resp: 1689446

Ion Ratio Lower Upper

105 100

120 50.0 24.5 73.5





#84

1,2,4-Trimethylbenzene

Concen: 541.792 ug/l

RT: 13.482 min Scan# 1959

Delta R.T. 0.006 min

Lab File: VN086521.D

Acq: 06 May 2025 17:48

Instrument :

MSVOA_N

ClientSampleId :

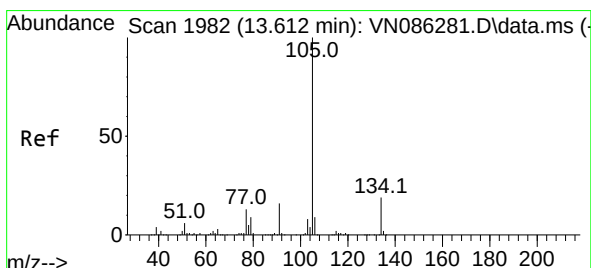
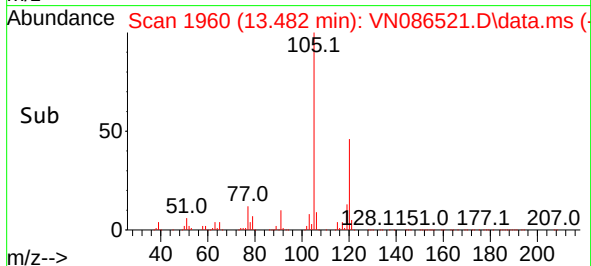
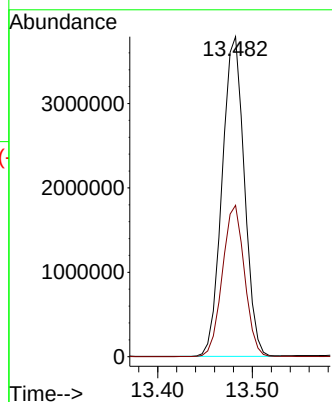
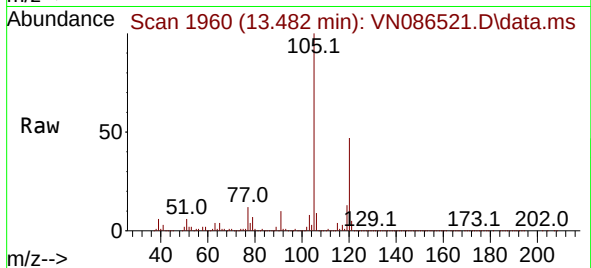
SS-8ME

Tgt Ion:105 Resp: 6179823

Ion Ratio Lower Upper

105 100

120 47.2 22.4 67.3



#85

sec-Butylbenzene

Concen: 38.477 ug/l

RT: 13.612 min Scan# 1982

Delta R.T. 0.000 min

Lab File: VN086521.D

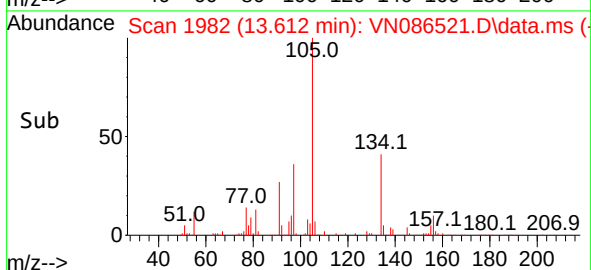
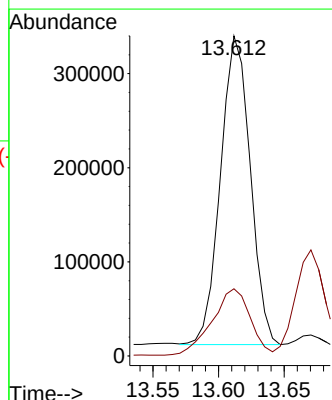
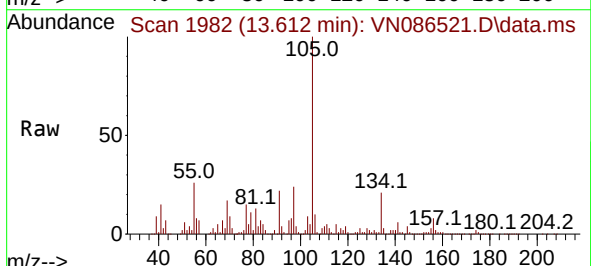
Acq: 06 May 2025 17:48

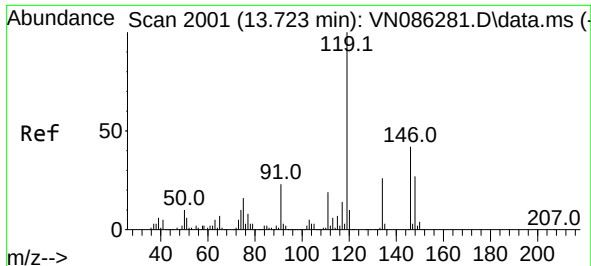
Tgt Ion:105 Resp: 518186

Ion Ratio Lower Upper

105 100

134 27.3 9.7 29.1

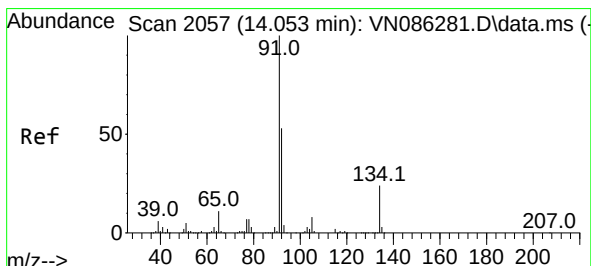
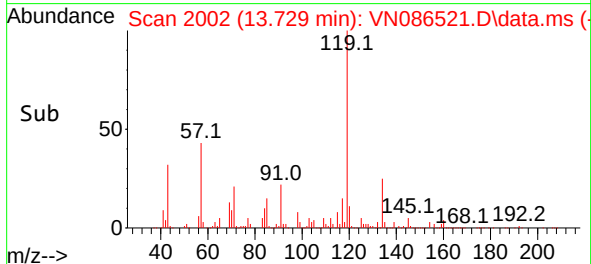
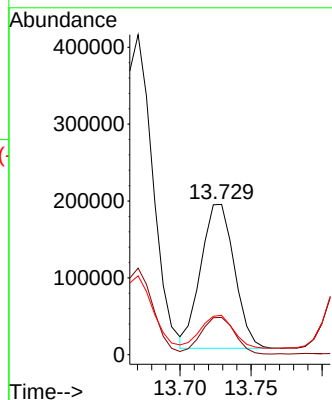
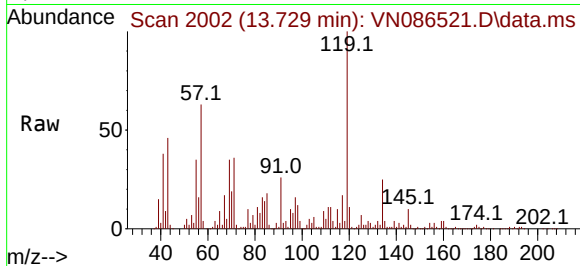




#86
p-Isopropyltoluene
Concen: 27.712 ug/l
RT: 13.729 min Scan# 2001
Delta R.T. 0.006 min
Lab File: VN086521.D
Acq: 06 May 2025 17:48

Instrument :
MSVOA_N
ClientSampleId :
SS-8ME

Tgt Ion:119 Resp: 307625
Ion Ratio Lower Upper
119 100
134 25.5 13.1 39.1
91 22.4 11.9 35.9



#89
n-Butylbenzene
Concen: 71.689 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN086521.D
Acq: 06 May 2025 17:48

Tgt Ion: 91 Resp: 705374
Ion Ratio Lower Upper
91 100
92 55.6 26.8 80.4
134 0.0 12.2 36.6#

