

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102925\
 Data File : VN088163.D
 Acq On : 29 Oct 2025 16:09
 Operator : JC\MD
 Sample : Q3472-12
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-5

Quant Time: Oct 30 04:09:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

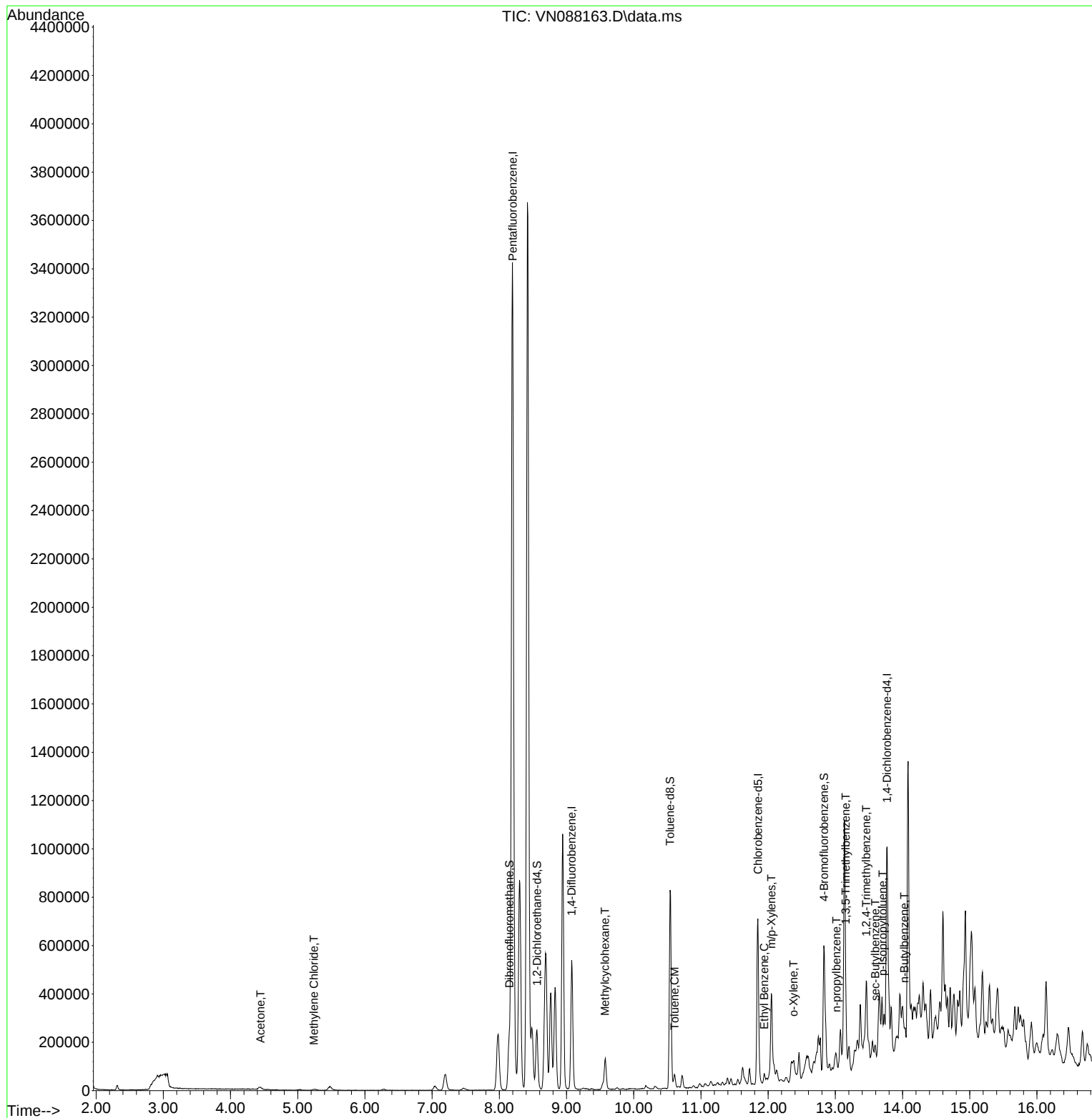
Internal Standards						
1) Pentafluorobenzene	8.200	168	202855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	432604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	386234	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	195599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	207928	59.276	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.560%			
35) Dibromofluoromethane	8.147	113	149512	51.445	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.880%			
50) Toluene-d8	10.541	98	551093	49.212	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.420%			
62) 4-Bromofluorobenzene	12.829	95	211388	53.451	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 106.900%			
Target Compounds					Qvalue	
16) Acetone	4.448	43	27832	15.793	ug/l	94
20) Methylene Chloride	5.242	84	3589	2.061	ug/l #	62
39) Methylcyclohexane	9.571	83	52085	9.549	ug/l	96
52) Toluene	10.606	92	21297	2.673	ug/l	98
67) Ethyl Benzene	11.941	91	26677	1.733	ug/l	95
68) m/p-Xylenes	12.047	106	35471	6.150	ug/l	95
69) o-Xylene	12.376	106	17043	3.117	ug/l	92
78) n-propylbenzene	13.018	91	42135	2.289	ug/l	98
80) 1,3,5-Trimethylbenzene	13.153	105	51459	4.107	ug/l	95
84) 1,2,4-Trimethylbenzene	13.459	105	185160	14.771	ug/l	99
85) sec-Butylbenzene	13.594	105	23299	1.417	ug/l	81
86) p-Isopropyltoluene	13.706	119	14177	1.075	ug/l	95
89) n-Butylbenzene	14.029	91	46310	3.544	ug/l #	84

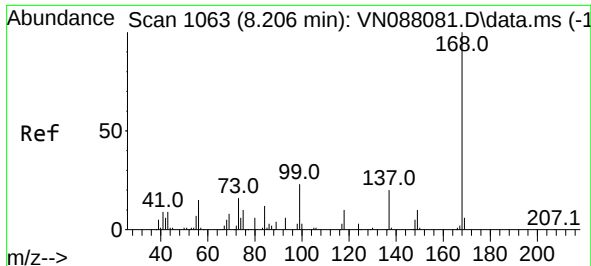
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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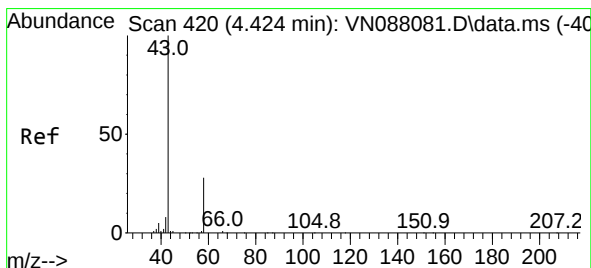
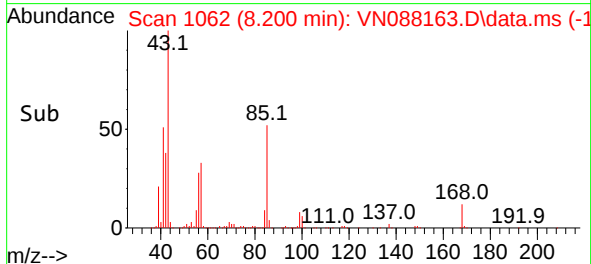
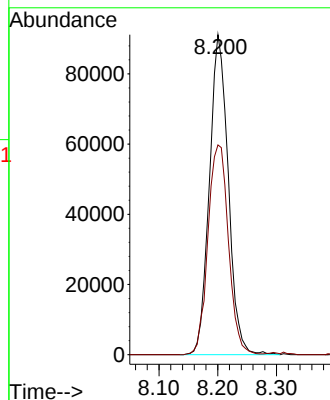
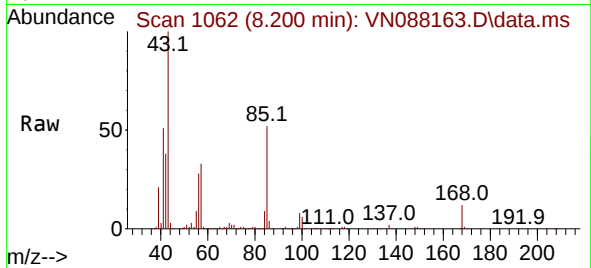




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN088163.D
Acq: 29 Oct 2025 16:09

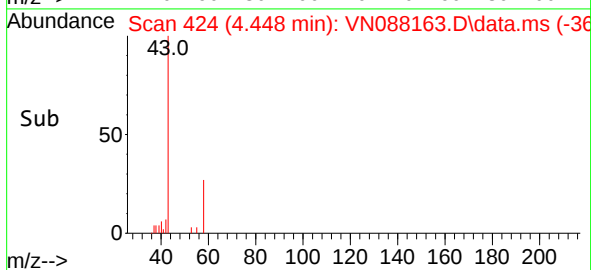
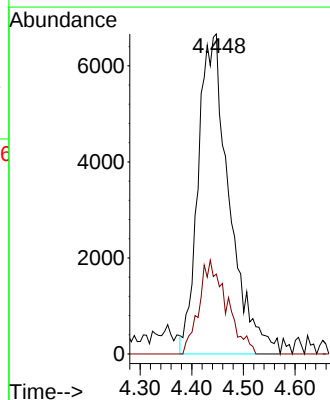
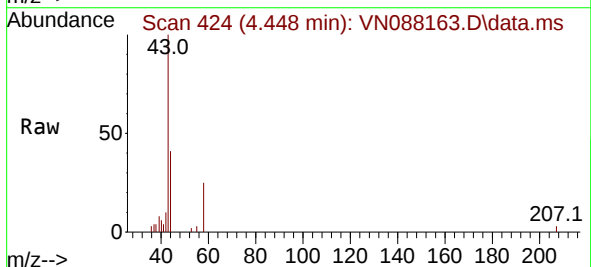
Instrument :
MSVOA_N
ClientSampleId :
COMP-5

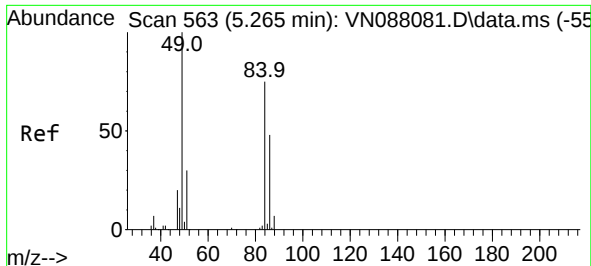
Tgt Ion:168 Resp: 202855
Ion Ratio Lower Upper
168 100
99 65.5 57.2 85.8



#16
Acetone
Concen: 15.793 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.024 min
Lab File: VN088163.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 43 Resp: 27832
Ion Ratio Lower Upper
43 100
58 24.9 22.6 33.8

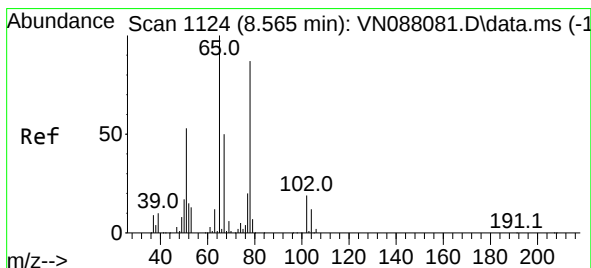
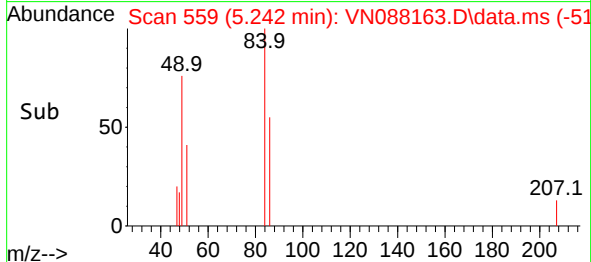
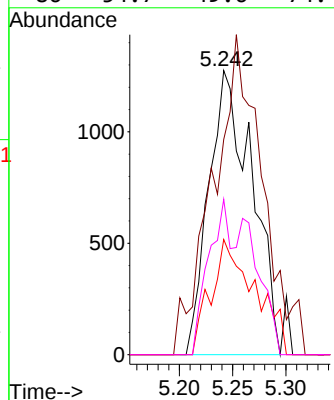
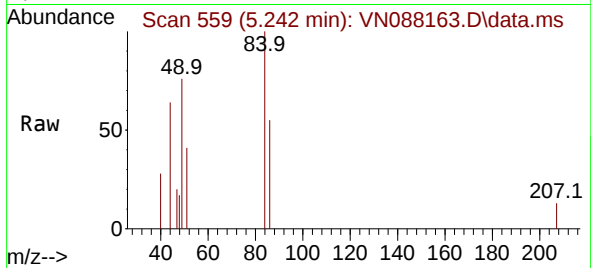




#20
Methylene Chloride
Concen: 2.061 ug/l
RT: 5.242 min Scan# 51
Delta R.T. -0.023 min
Lab File: VN088163.D
Acq: 29 Oct 2025 16:09

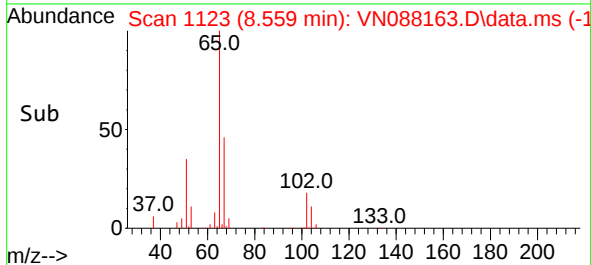
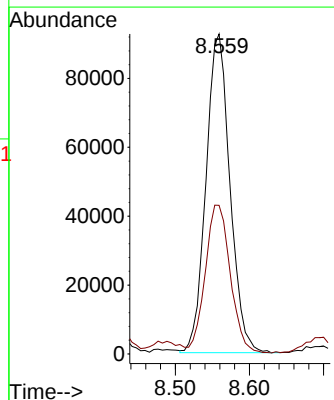
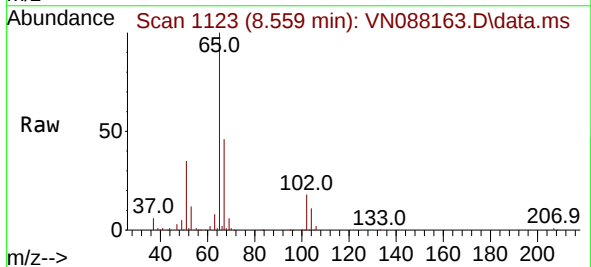
Instrument :
MSVOA_N
ClientSampleId :
COMP-5

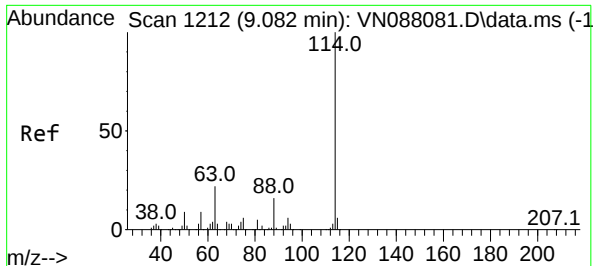
Tgt Ion: 84 Resp: 3589
Ion Ratio Lower Upper
84 100
49 55.8 103.4 155.2#
51 40.5 33.8 50.8
86 54.7 49.6 74.4



#33
1,2-Dichloroethane-d4
Concen: 59.276 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088163.D
Acq: 29 Oct 2025 16:09

Tgt Ion: 65 Resp: 207928
Ion Ratio Lower Upper
65 100
67 48.5 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088163.D

Acq: 29 Oct 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

COMP-5

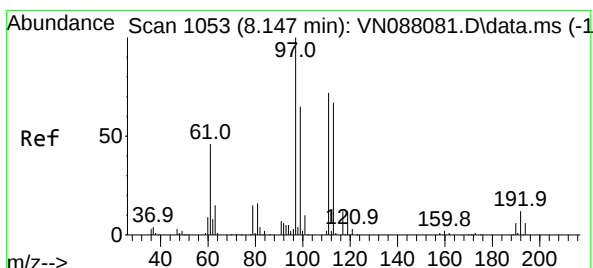
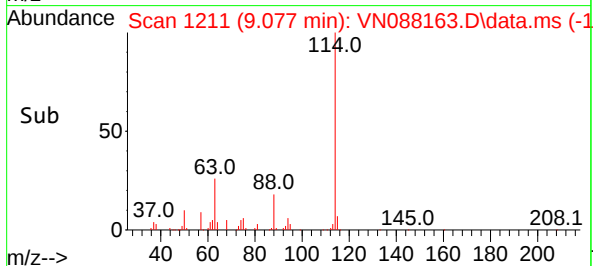
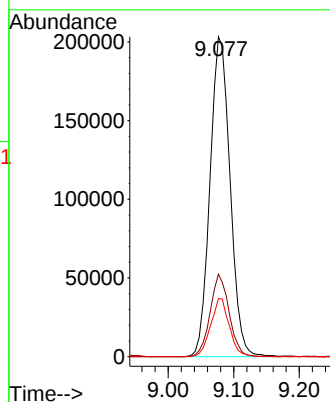
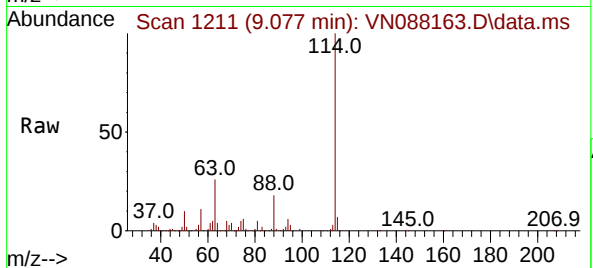
Tgt Ion:114 Resp: 432604

Ion Ratio Lower Upper

114 100

63 25.8 0.0 45.2

88 18.2 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.445 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088163.D

Acq: 29 Oct 2025 16:09

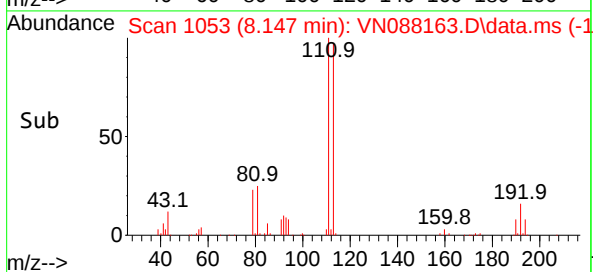
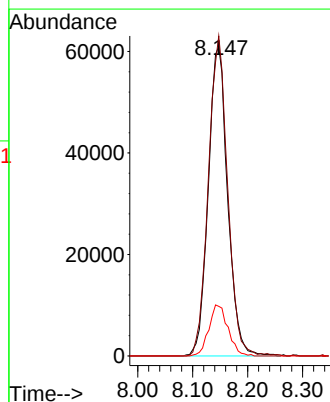
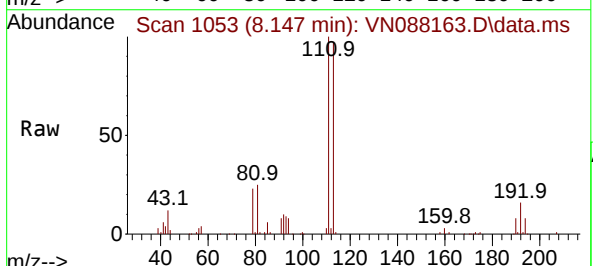
Tgt Ion:113 Resp: 149512

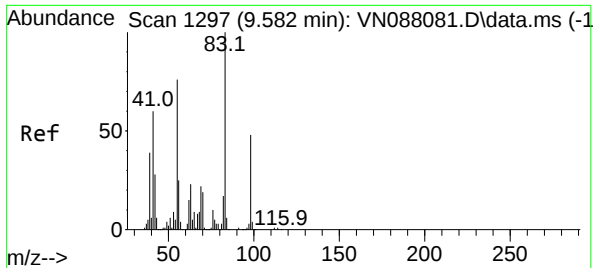
Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

192 16.3 12.8 19.2





#39

Methylcyclohexane

Concen: 9.549 ug/l

RT: 9.571 min Scan# 11

Delta R.T. -0.012 min

Lab File: VN088163.D

Acq: 29 Oct 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

COMP-5

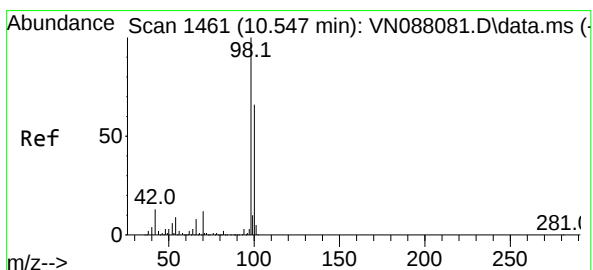
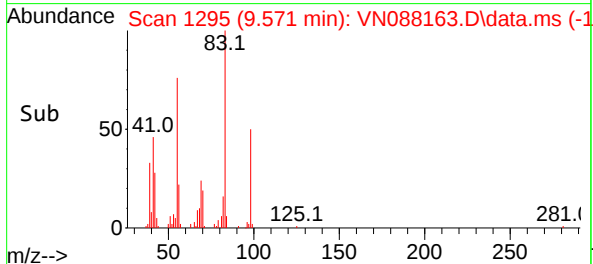
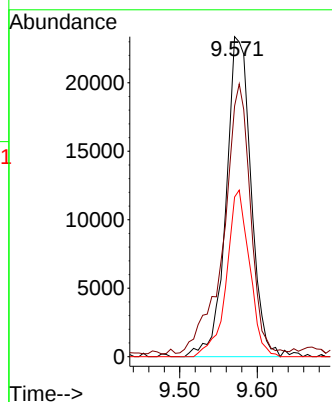
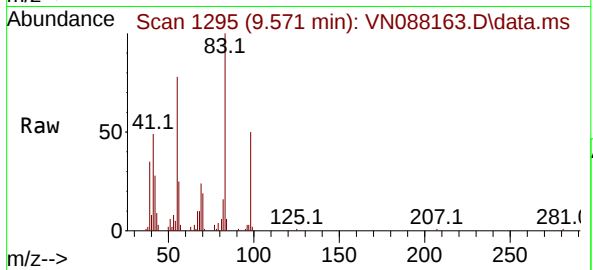
Tgt Ion: 83 Resp: 52085

Ion Ratio Lower Upper

83 100

55 77.1 64.6 96.8

98 49.9 38.4 57.6



#50

Toluene-d8

Concen: 49.212 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088163.D

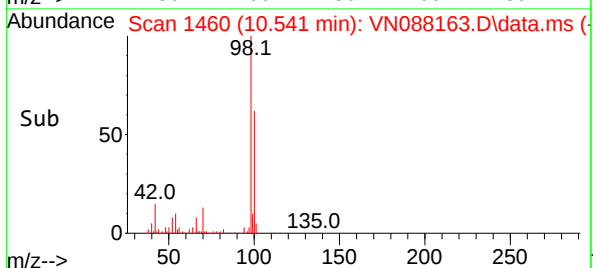
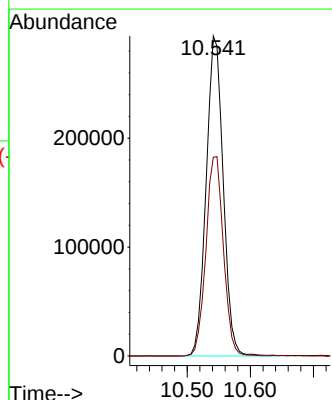
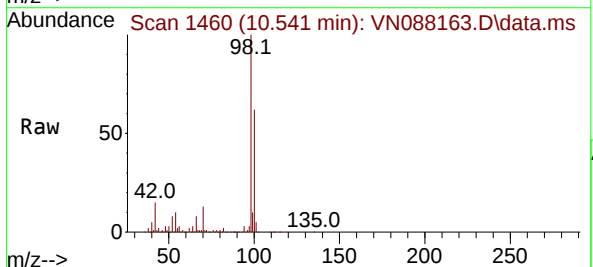
Acq: 29 Oct 2025 16:09

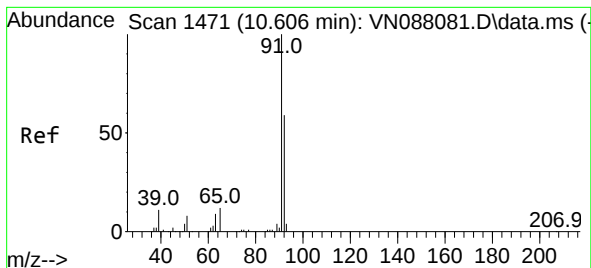
Tgt Ion: 98 Resp: 551093

Ion Ratio Lower Upper

98 100

100 64.0 52.8 79.2





#52

Toluene

Concen: 2.673 ug/l

RT: 10.606 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VN088163.D

Acq: 29 Oct 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

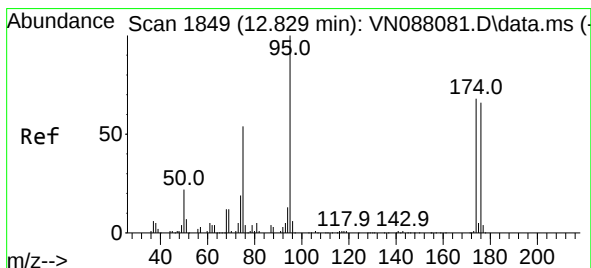
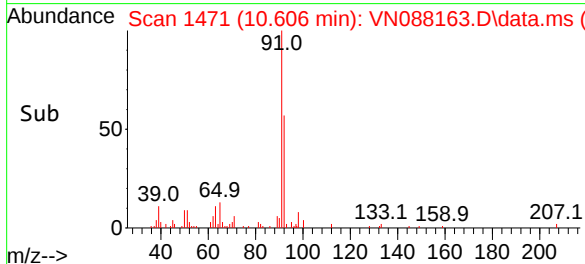
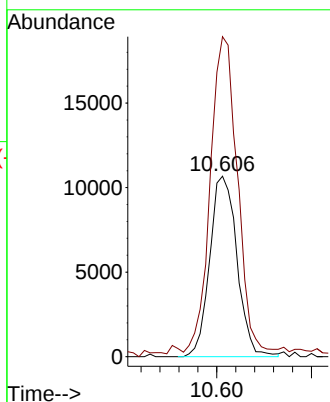
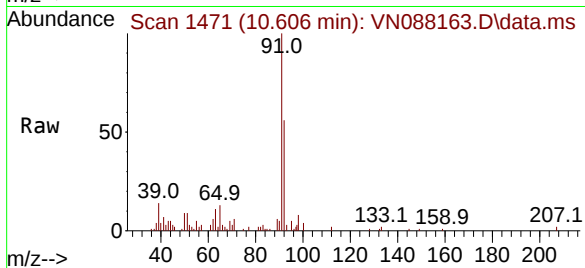
COMP-5

Tgt Ion: 92 Resp: 21297

Ion Ratio Lower Upper

92 100

91 172.5 140.4 210.6



#62

4-Bromofluorobenzene

Concen: 53.451 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN088163.D

Acq: 29 Oct 2025 16:09

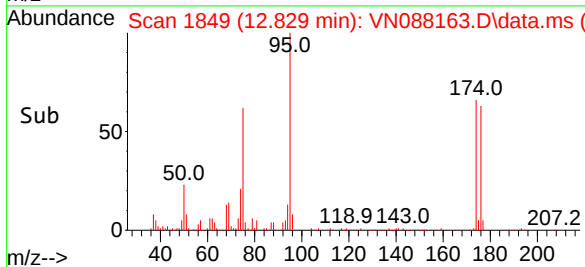
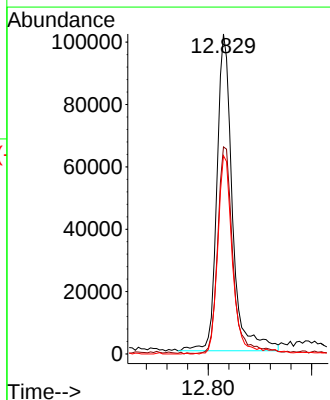
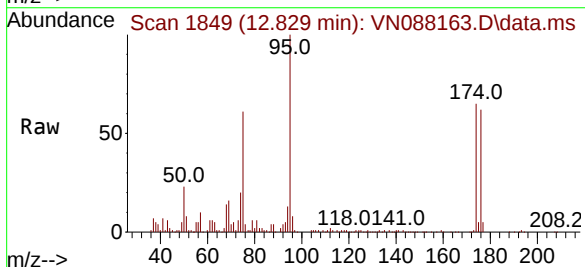
Tgt Ion: 95 Resp: 211388

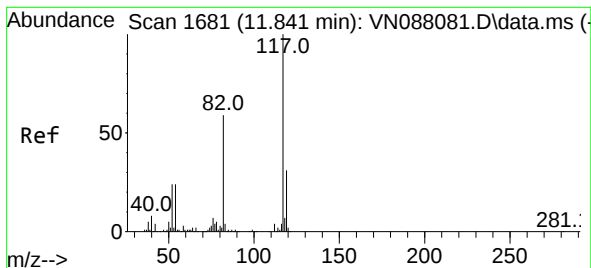
Ion Ratio Lower Upper

95 100

174 64.1 0.0 138.4

176 60.8 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1681

Delta R.T. 0.006 min

Lab File: VN088163.D

Acq: 29 Oct 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

COMP-5

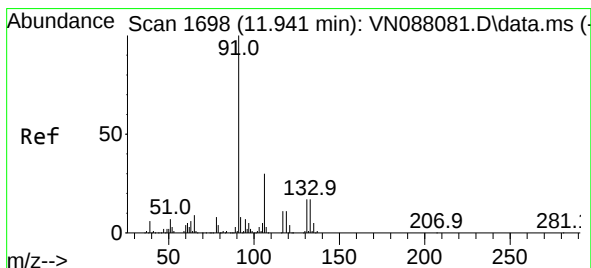
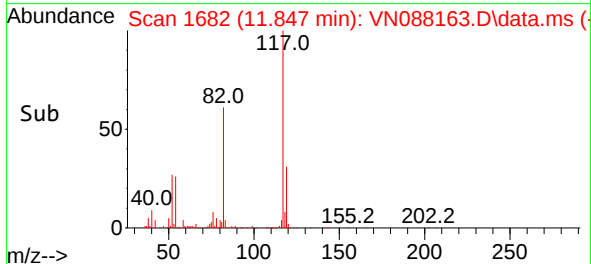
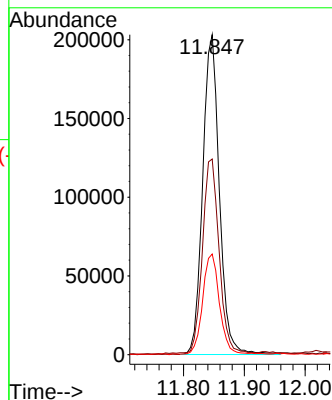
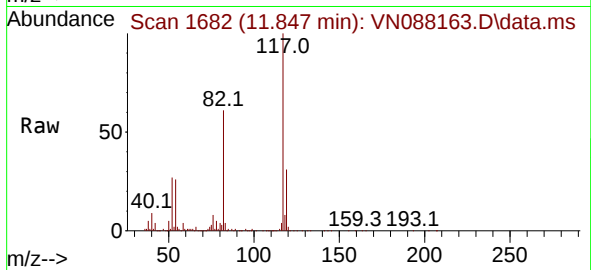
Tgt Ion:117 Resp: 386234

Ion Ratio Lower Upper

117 100

82 60.6 47.4 71.2

119 31.3 24.3 36.5



#67

Ethyl Benzene

Concen: 1.733 ug/l

RT: 11.941 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VN088163.D

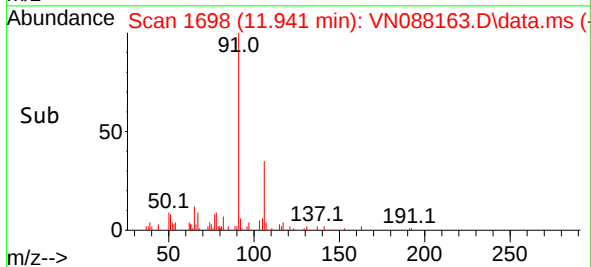
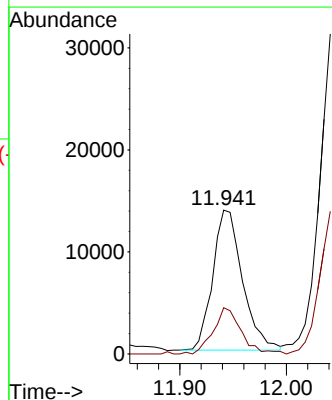
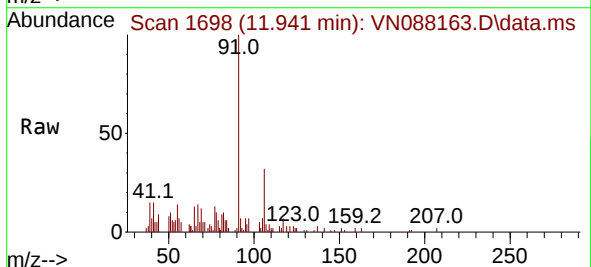
Acq: 29 Oct 2025 16:09

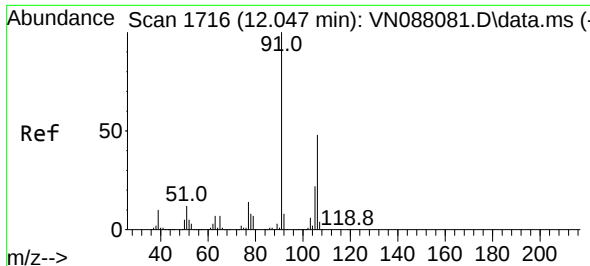
Tgt Ion: 91 Resp: 26677

Ion Ratio Lower Upper

91 100

106 33.1 24.1 36.1

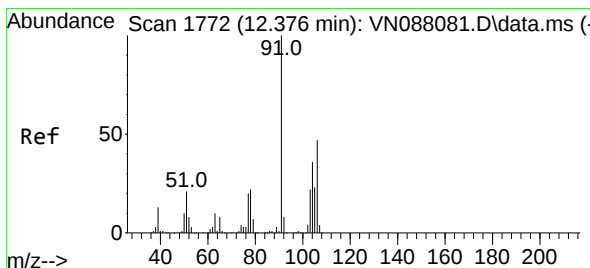
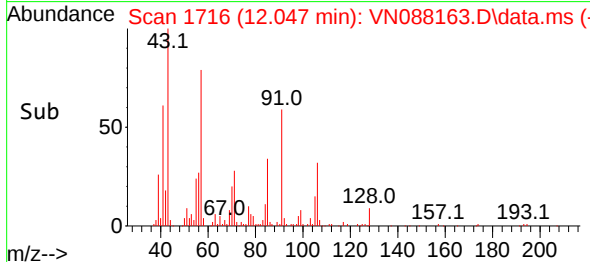
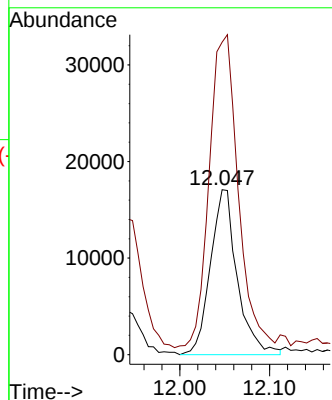
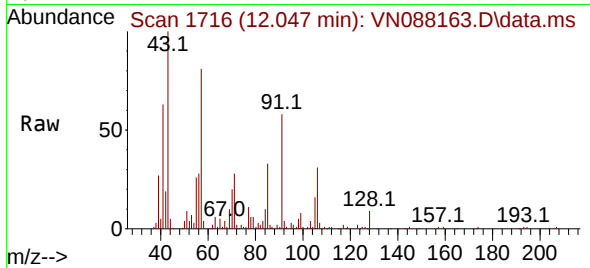




#68
m/p-Xylenes
Concen: 6.150 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088163.D
Acq: 29 Oct 2025 16:09

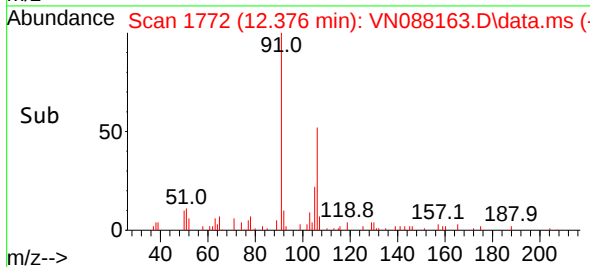
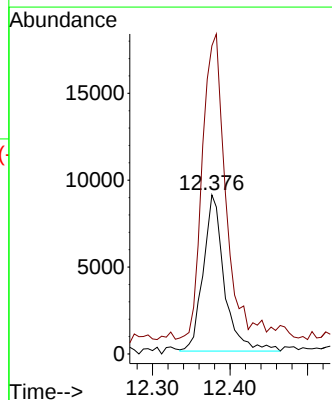
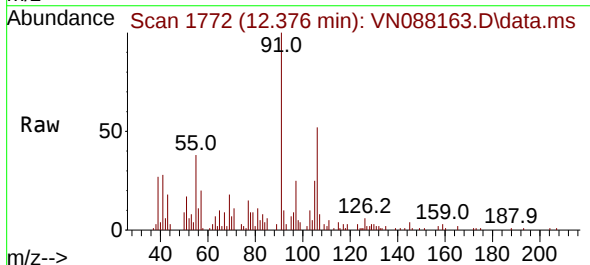
Instrument :
MSVOA_N
ClientSampleId :
COMP-5

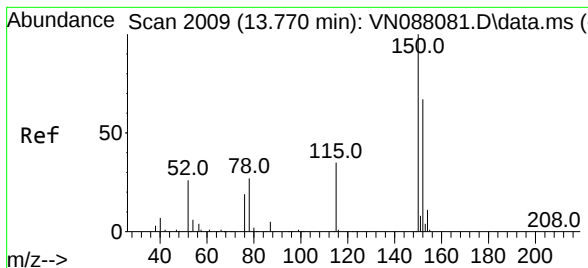
Tgt Ion:106 Resp: 35471
Ion Ratio Lower Upper
106 100
91 203.6 169.3 253.9



#69
o-Xylene
Concen: 3.117 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088163.D
Acq: 29 Oct 2025 16:09

Tgt Ion:106 Resp: 17043
Ion Ratio Lower Upper
106 100
91 210.1 111.4 334.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.771 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN088163.D

Acq: 29 Oct 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

COMP-5

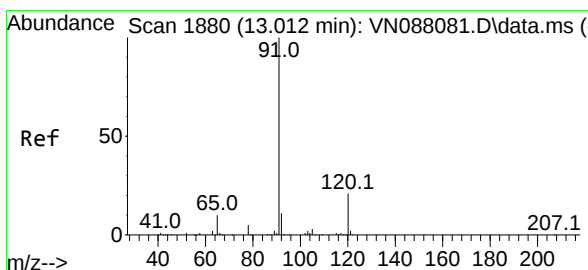
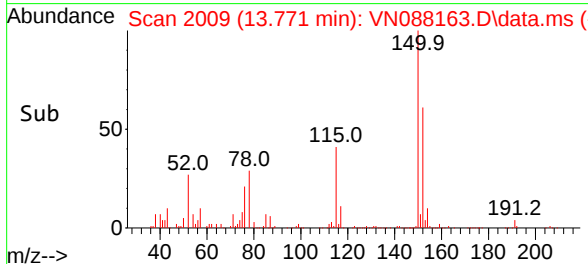
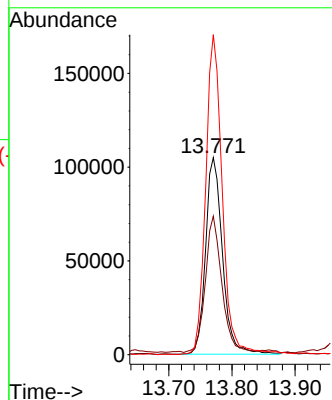
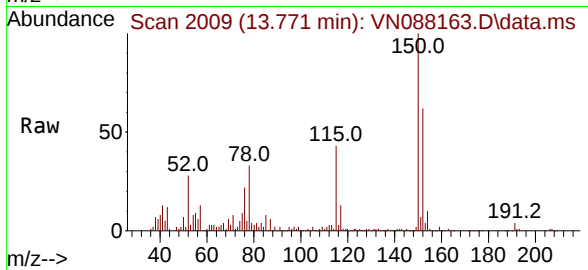
Tgt Ion:152 Resp: 195599

Ion Ratio Lower Upper

152 100

115 67.4 32.3 96.8

150 159.3 0.0 351.0



#78

n-propylbenzene

Concen: 2.289 ug/l

RT: 13.018 min Scan# 1881

Delta R.T. 0.006 min

Lab File: VN088163.D

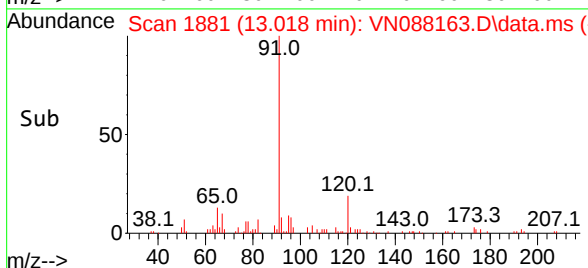
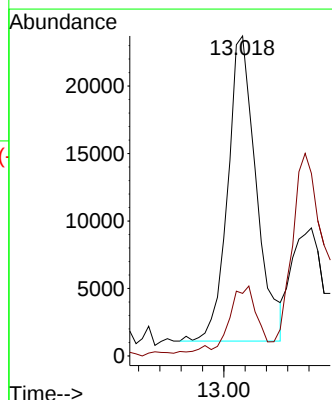
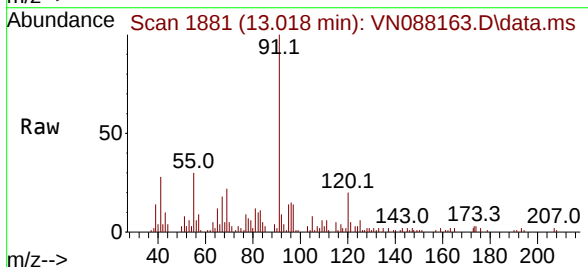
Acq: 29 Oct 2025 16:09

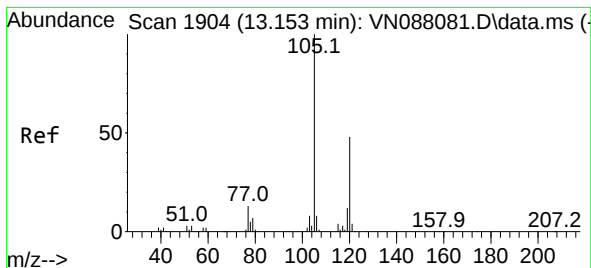
Tgt Ion: 91 Resp: 42135

Ion Ratio Lower Upper

91 100

120 22.4 10.7 32.1





#80

1,3,5-Trimethylbenzene

Concen: 4.107 ug/l

RT: 13.153 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VN088163.D

Acq: 29 Oct 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

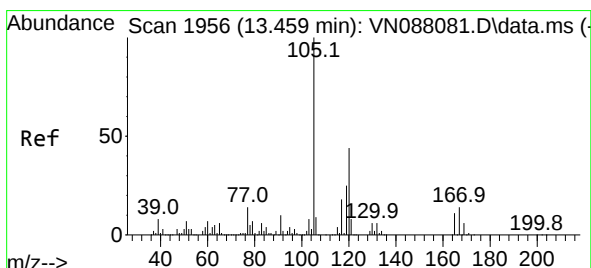
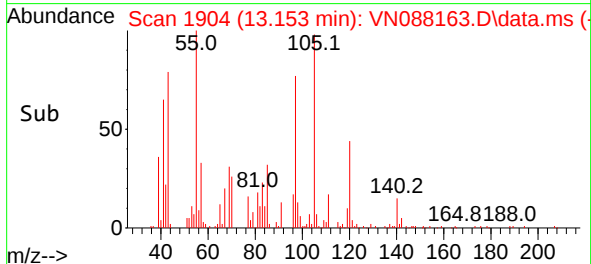
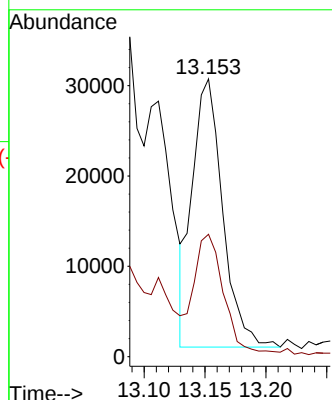
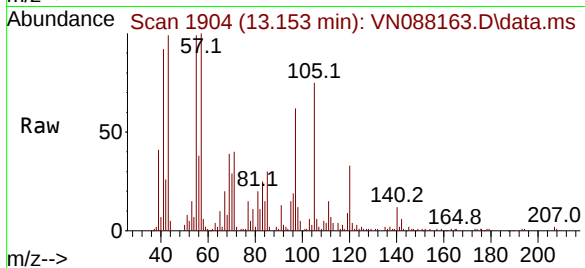
COMP-5

Tgt Ion:105 Resp: 51459

Ion Ratio Lower Upper

105 100

120 42.9 23.2 69.6



#84

1,2,4-Trimethylbenzene

Concen: 14.771 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VN088163.D

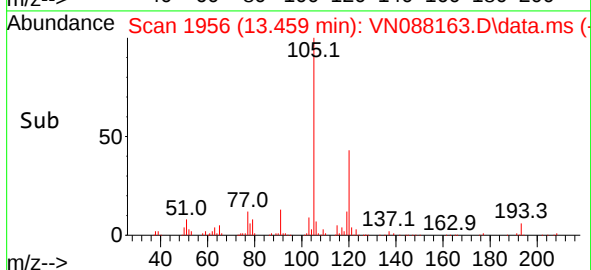
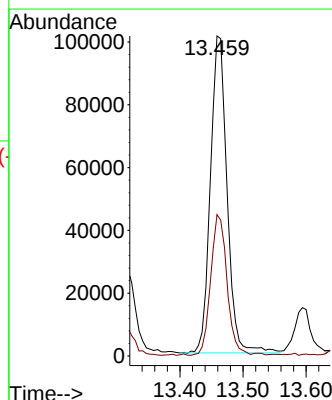
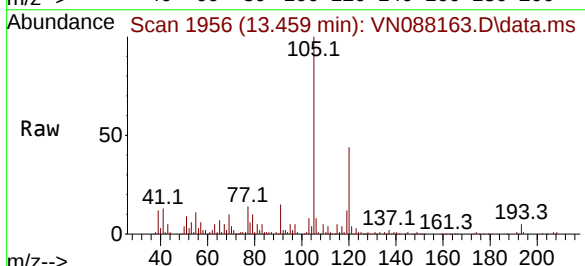
Acq: 29 Oct 2025 16:09

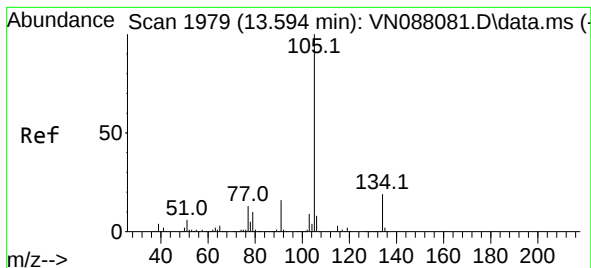
Tgt Ion:105 Resp: 185160

Ion Ratio Lower Upper

105 100

120 43.2 22.0 66.0





#85

sec-Butylbenzene

Concen: 1.417 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VN088163.D

Acq: 29 Oct 2025 16:09

Instrument :

MSVOA_N

ClientSampleId :

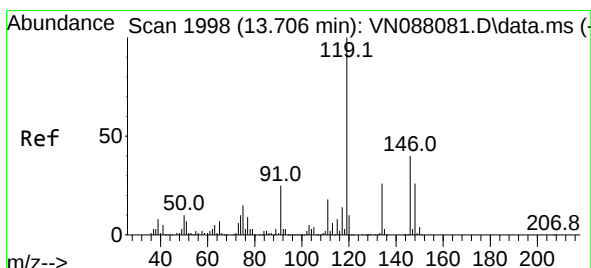
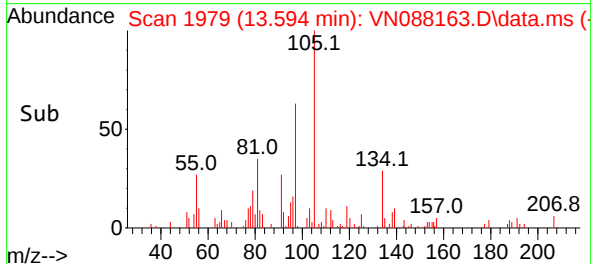
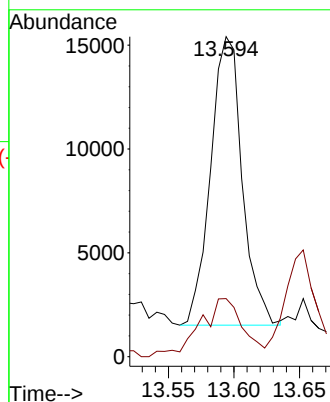
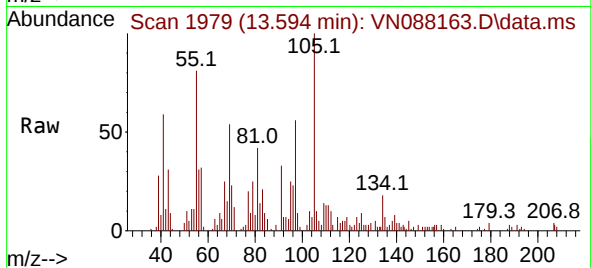
COMP-5

Tgt Ion:105 Resp: 23299

Ion Ratio Lower Upper

105 100

134 27.6 9.6 28.6



#86

p-Isopropyltoluene

Concen: 1.075 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. 0.000 min

Lab File: VN088163.D

Acq: 29 Oct 2025 16:09

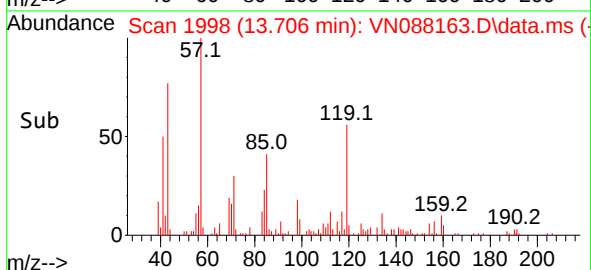
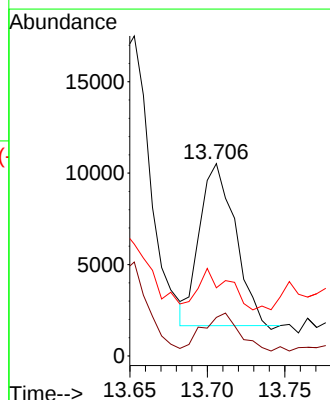
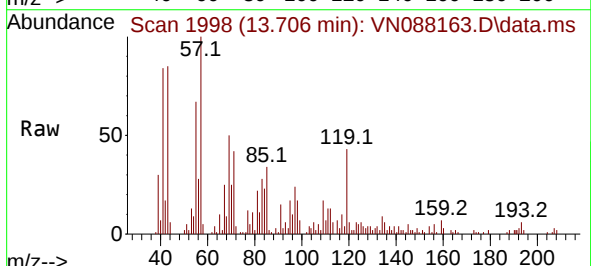
Tgt Ion:119 Resp: 14177

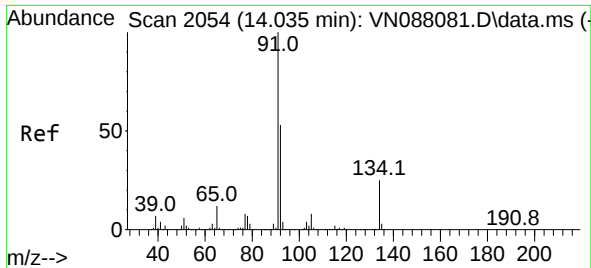
Ion Ratio Lower Upper

119 100

134 23.9 12.7 38.0

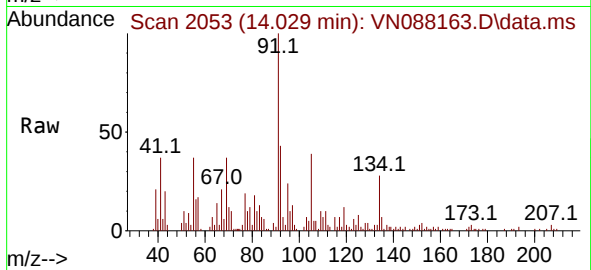
91 21.3 12.5 37.5





#89
 n-Butylbenzene
 Concen: 3.544 ug/l
 RT: 14.029 min Scan# 2053
 Delta R.T. 0.000 min
 Lab File: VN088163.D
 Acq: 29 Oct 2025 16:09

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-5



Tgt Ion:	91	Resp:	46310
Ion	Ratio	Lower	Upper
91	100		
92	52.9	25.9	77.8
134	0.0	11.7	35.0

