

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
 Data File : VN087842.D
 Acq On : 15 Sep 2025 16:46
 Operator : JC\MD
 Sample : Q3073-02
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BEL-25-0023

Quant Time: Sep 16 01:43:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	228166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	517632	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	471205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	236683	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.553	65	246173	52.659	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.320%
35) Dibromofluoromethane	8.147	113	188989	50.568	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.140%
50) Toluene-d8	10.541	98	666060	47.617	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.240%
62) 4-Bromofluorobenzene	12.829	95	223477	44.924	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	89.840%

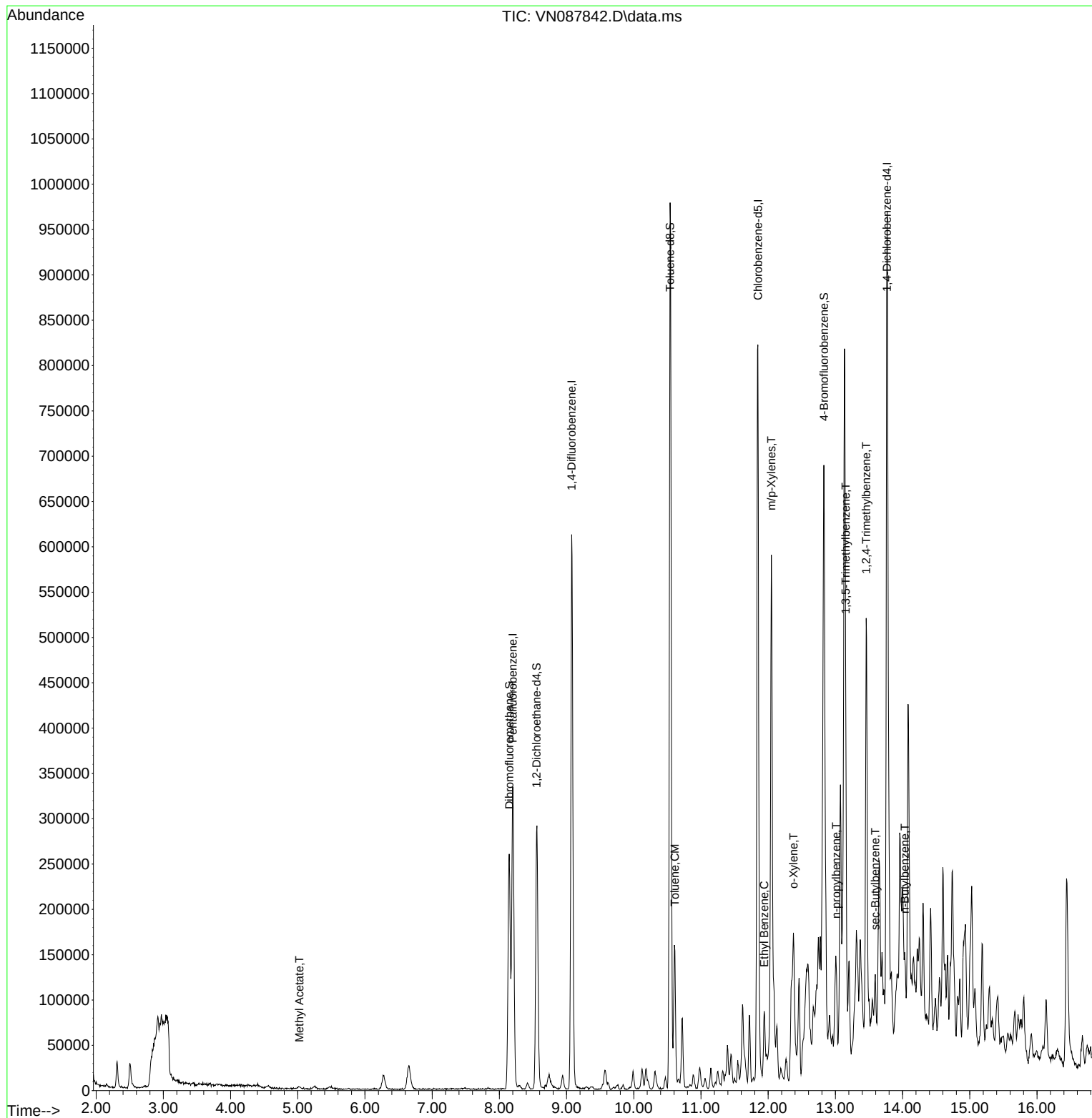
Target Compounds						Qvalue
18) Methyl Acetate	5.024	43	5525	1.037	ug/l #	80
52) Toluene	10.612	92	64382	5.906	ug/l	96
67) Ethyl Benzene	11.941	91	50662	2.496	ug/l	97
68) m/p-Xylenes	12.047	106	78753	10.580	ug/l	95
69) o-Xylene	12.376	106	33785	4.631	ug/l	92
78) n-propylbenzene	13.012	91	68140m	2.892	ug/l	
80) 1,3,5-Trimethylbenzene	13.153	105	81058	4.996	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	280312	17.259	ug/l	100
85) sec-Butylbenzene	13.594	105	29135	1.452	ug/l	83
89) n-Butylbenzene	14.035	91	34930	2.123	ug/l #	79

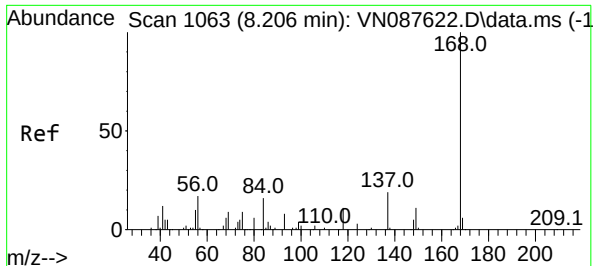
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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BEL-25-0023

Quant Time: Sep 16 01:43:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
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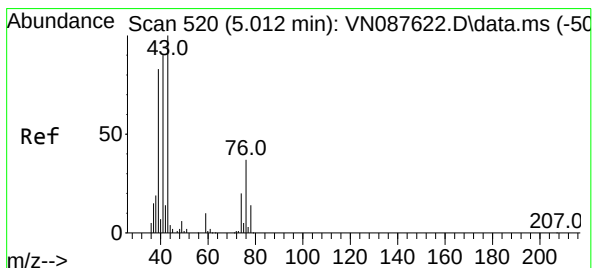
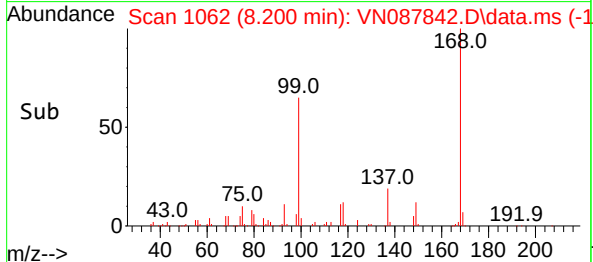
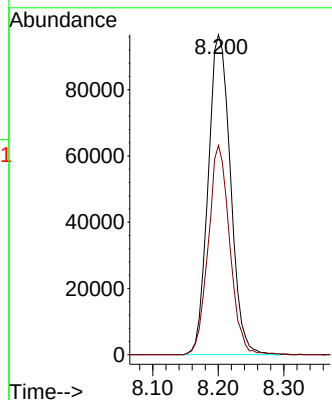
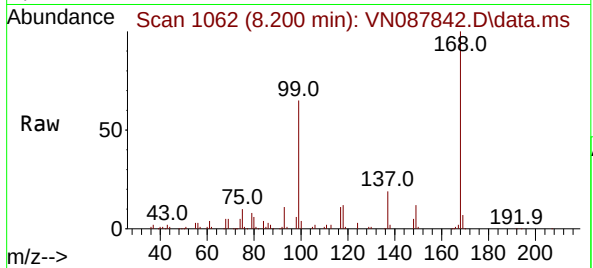




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087842.D
Acq: 15 Sep 2025 16:46

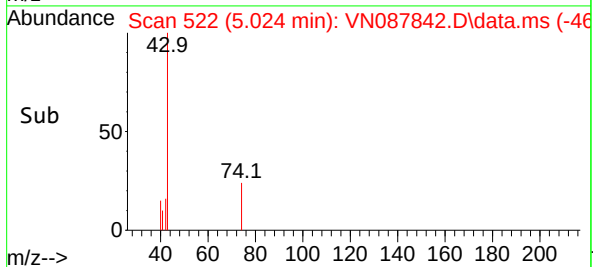
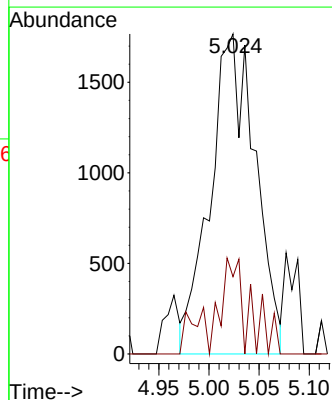
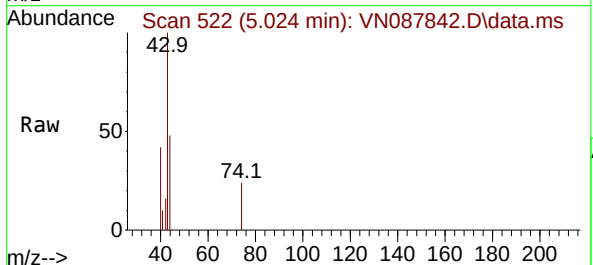
Instrument :
MSVOA_N
ClientSampleId :
BEL-25-0023

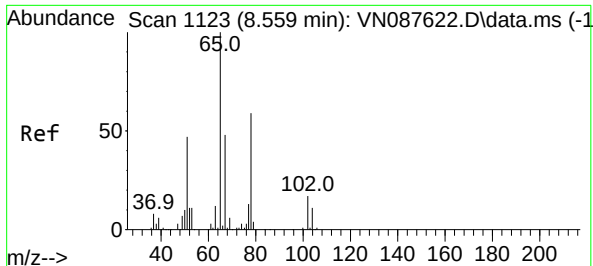
Tgt Ion:168 Resp: 228166
Ion Ratio Lower Upper
168 100
99 65.4 57.2 85.8



#18
Methyl Acetate
Concen: 1.037 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.012 min
Lab File: VN087842.D
Acq: 15 Sep 2025 16:46

Tgt Ion: 43 Resp: 5525
Ion Ratio Lower Upper
43 100
74 12.3 17.6 26.4#





#33

1,2-Dichloroethane-d4

Concen: 52.659 ug/l

RT: 8.553 min Scan# 1122

Delta R.T. -0.006 min

Lab File: VN087842.D

Acq: 15 Sep 2025 16:46

Instrument :

MSVOA_N

ClientSampleId :

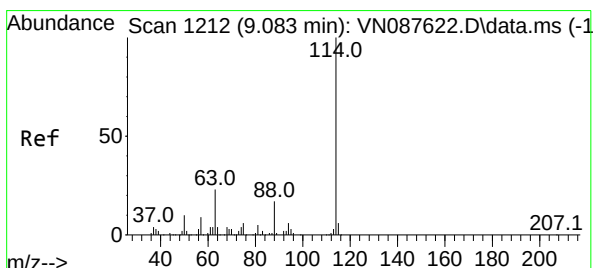
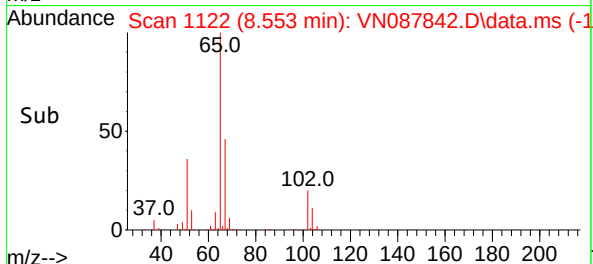
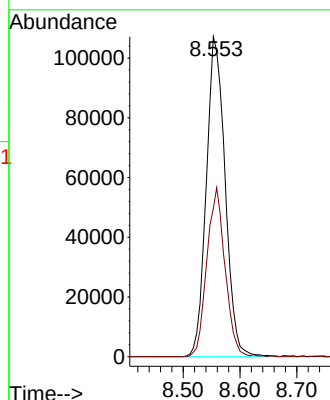
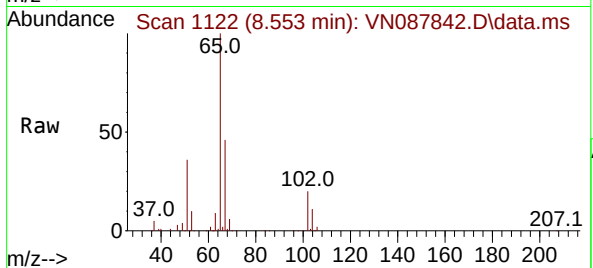
BEL-25-0023

Tgt Ion: 65 Resp: 246173

Ion Ratio Lower Upper

65 100

67 51.0 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.077 min Scan# 1211

Delta R.T. -0.006 min

Lab File: VN087842.D

Acq: 15 Sep 2025 16:46

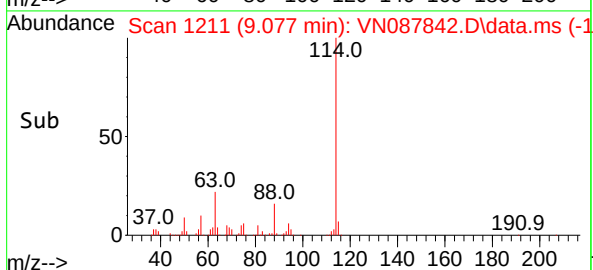
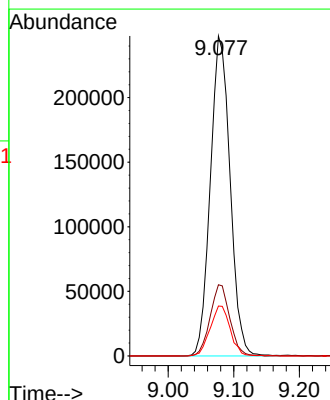
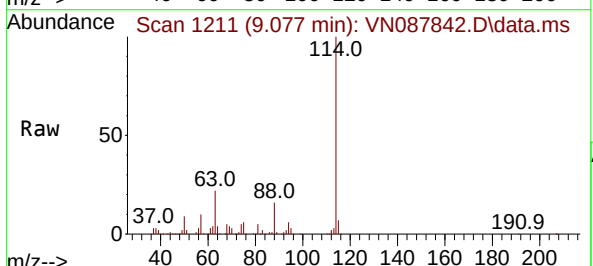
Tgt Ion: 114 Resp: 517632

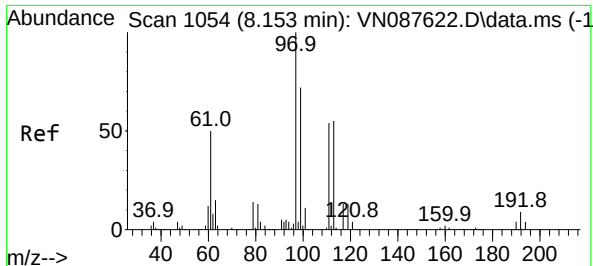
Ion Ratio Lower Upper

114 100

63 22.2 0.0 45.2

88 15.6 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.568 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN087842.D

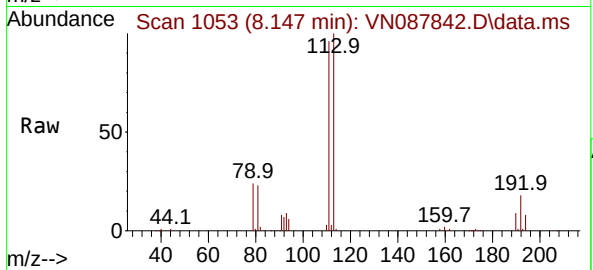
Acq: 15 Sep 2025 16:46

Instrument :

MSVOA_N

ClientSampleId :

BEL-25-0023



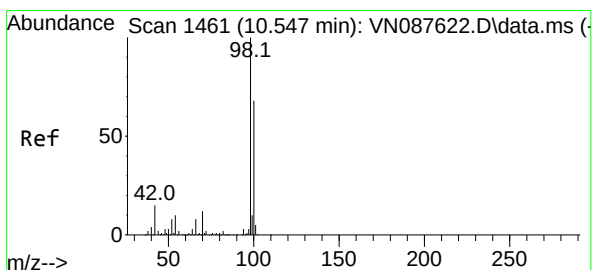
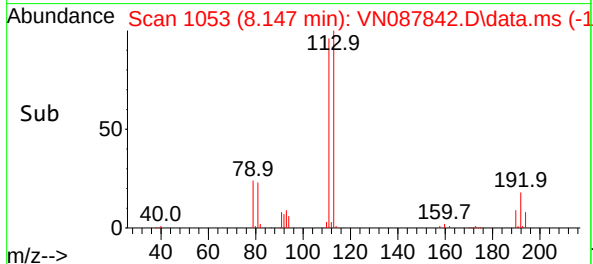
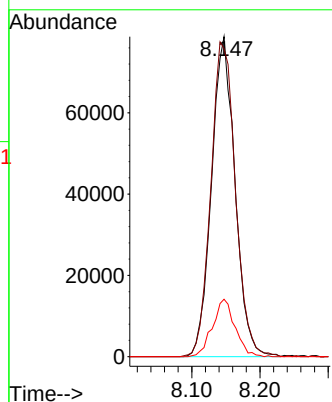
Tgt Ion:113 Resp: 188989

Ion Ratio Lower Upper

113 100

111 102.8 82.8 124.2

192 17.3 12.8 19.2



#50

Toluene-d8

Concen: 47.617 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN087842.D

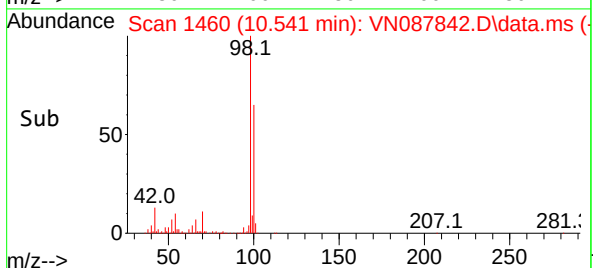
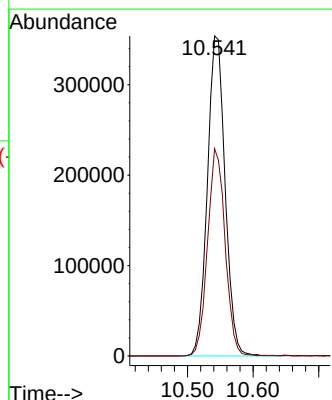
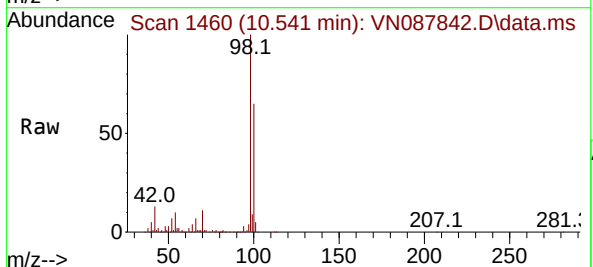
Acq: 15 Sep 2025 16:46

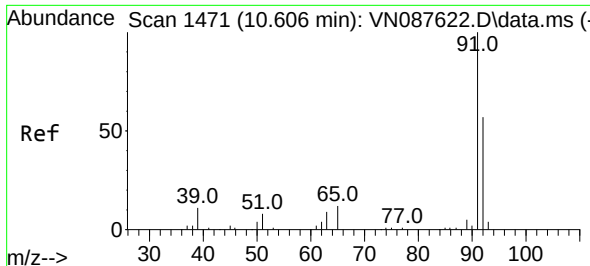
Tgt Ion: 98 Resp: 666060

Ion Ratio Lower Upper

98 100

100 64.2 52.8 79.2

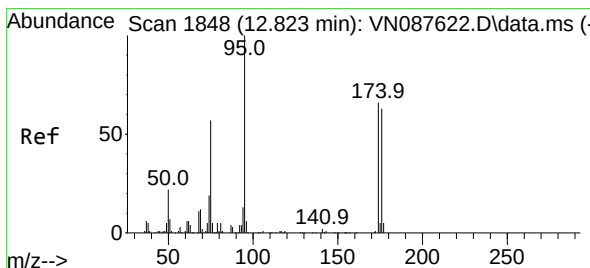
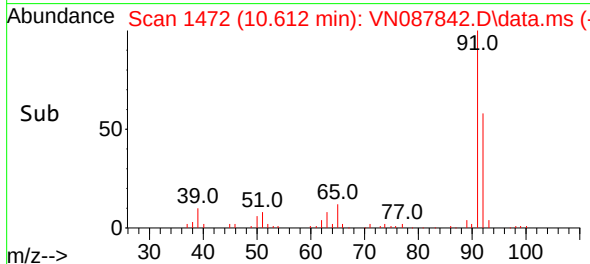
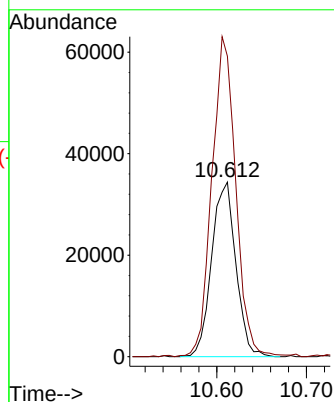
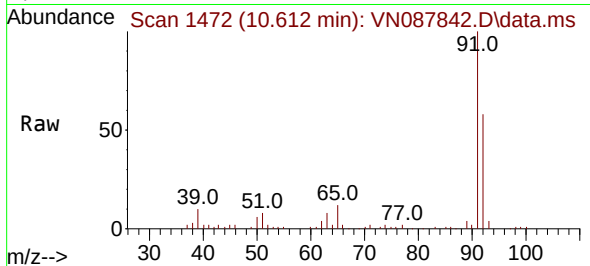




#52
Toluene
Concen: 5.906 ug/l
RT: 10.612 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VN087842.D
Acq: 15 Sep 2025 16:46

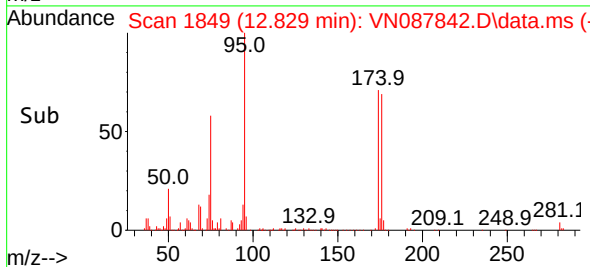
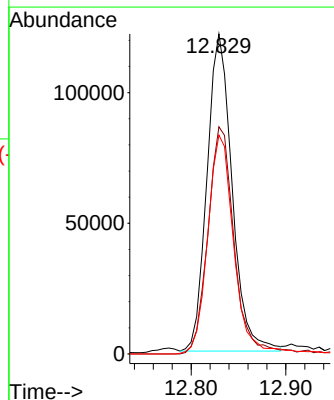
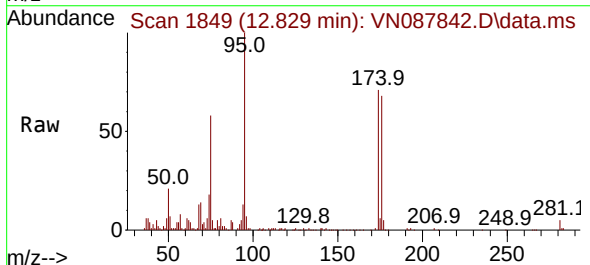
Instrument :
MSVOA_N
ClientSampleId :
BEL-25-0023

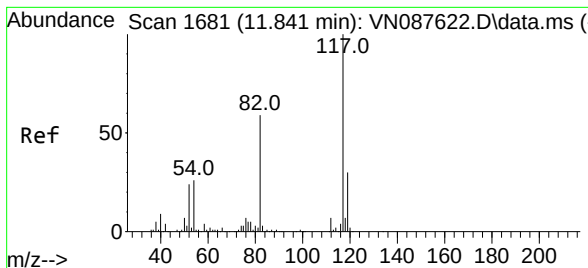
Tgt Ion: 92 Resp: 64382
Ion Ratio Lower Upper
92 100
91 180.9 140.4 210.6



#62
4-Bromofluorobenzene
Concen: 44.924 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087842.D
Acq: 15 Sep 2025 16:46

Tgt Ion: 95 Resp: 223477
Ion Ratio Lower Upper
95 100
174 74.4 0.0 138.4
176 72.2 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. 0.006 min

Lab File: VN087842.D

Acq: 15 Sep 2025 16:46

Instrument :

MSVOA_N

ClientSampleId :

BEL-25-0023

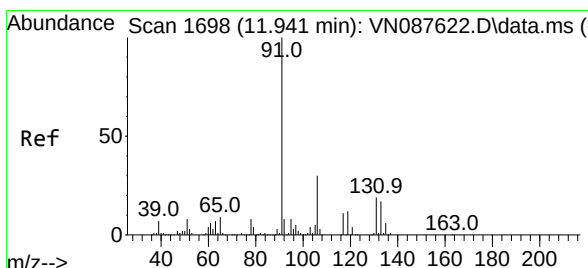
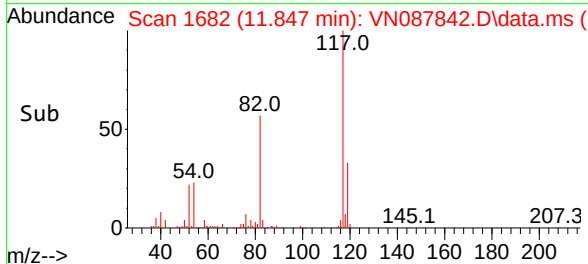
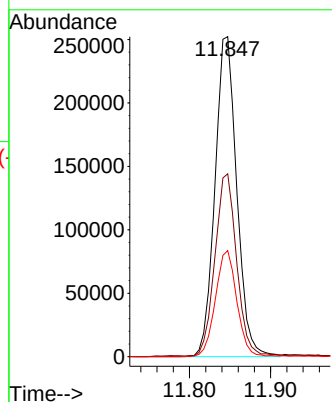
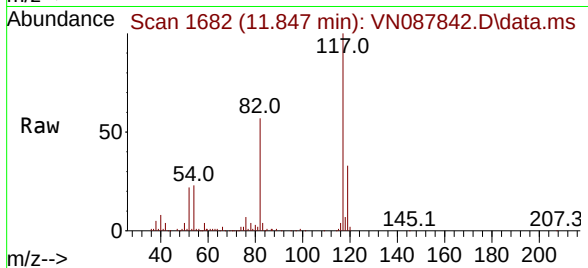
Tgt Ion:117 Resp: 471205

Ion Ratio Lower Upper

117 100

82 56.9 47.4 71.2

119 33.1 24.3 36.5



#67

Ethyl Benzene

Concen: 2.496 ug/l

RT: 11.941 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VN087842.D

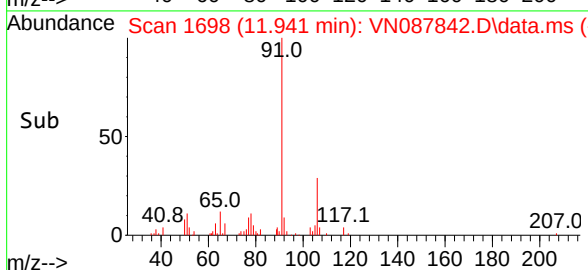
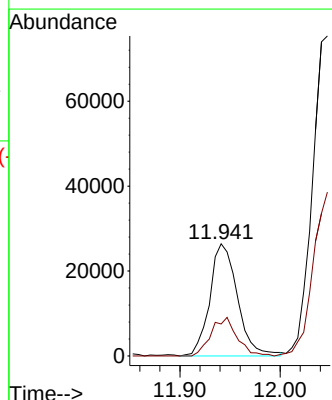
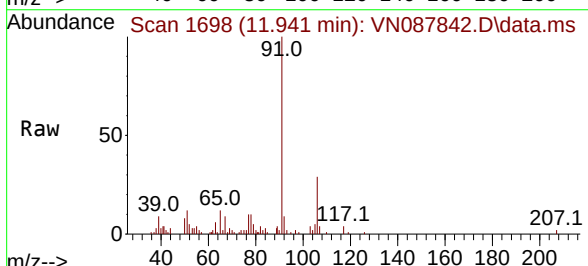
Acq: 15 Sep 2025 16:46

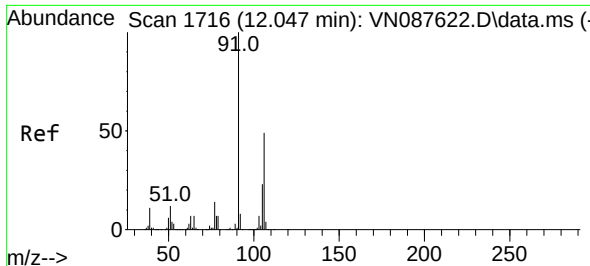
Tgt Ion: 91 Resp: 50662

Ion Ratio Lower Upper

91 100

106 28.6 24.1 36.1

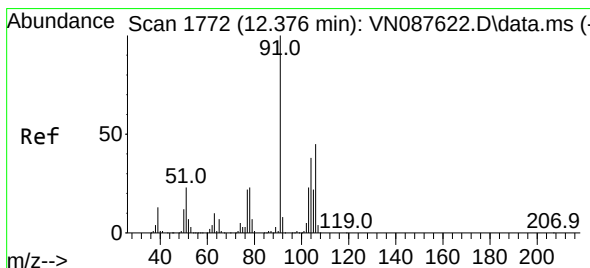
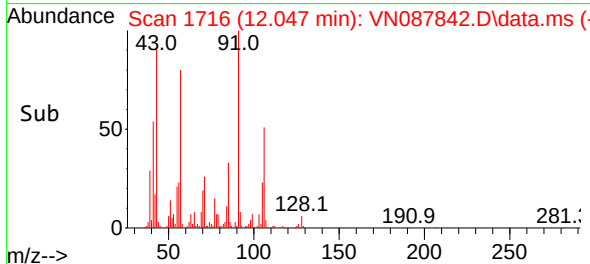
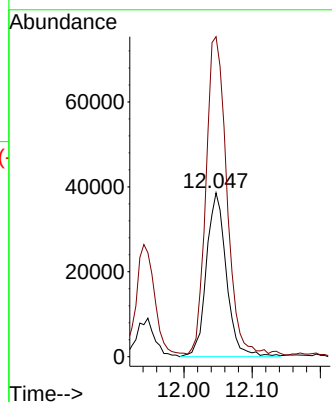
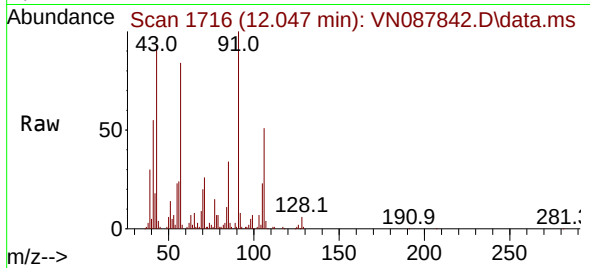




#68
m/p-Xylenes
Concen: 10.580 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087842.D
Acq: 15 Sep 2025 16:46

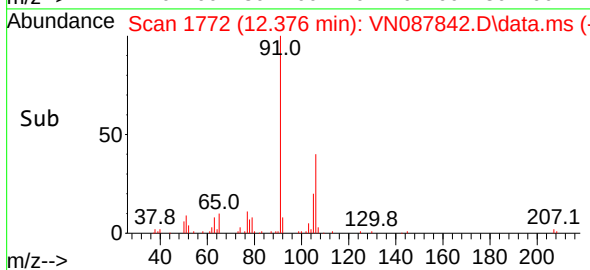
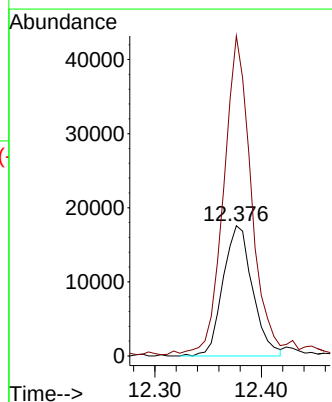
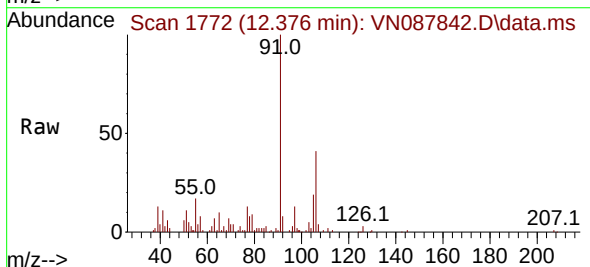
Instrument :
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BEL-25-0023

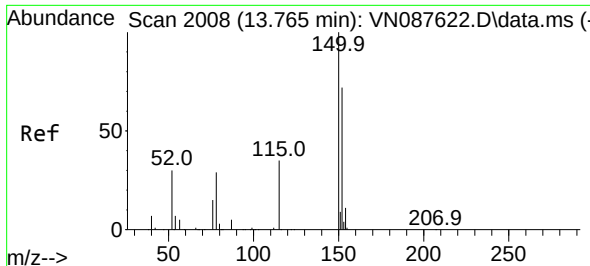
Tgt Ion:106 Resp: 78753
Ion Ratio Lower Upper
106 100
91 204.1 169.3 253.9



#69
o-Xylene
Concen: 4.631 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087842.D
Acq: 15 Sep 2025 16:46

Tgt Ion:106 Resp: 33785
Ion Ratio Lower Upper
106 100
91 235.9 111.4 334.2

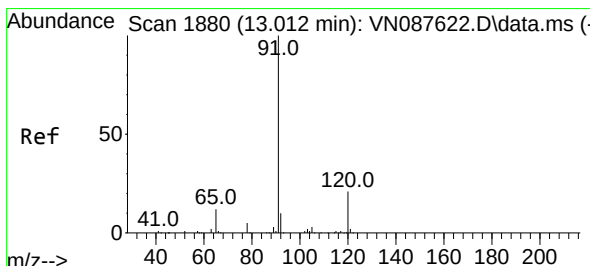
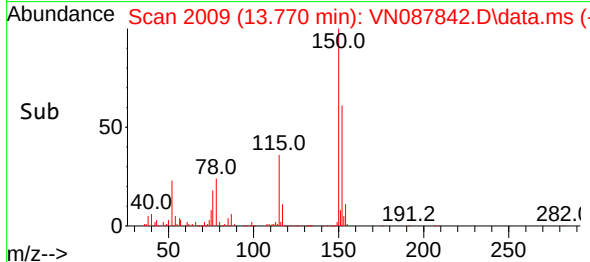
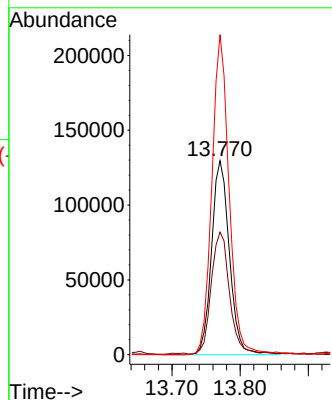
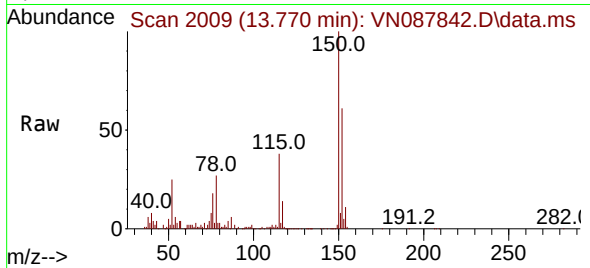




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087842.D
Acq: 15 Sep 2025 16:46

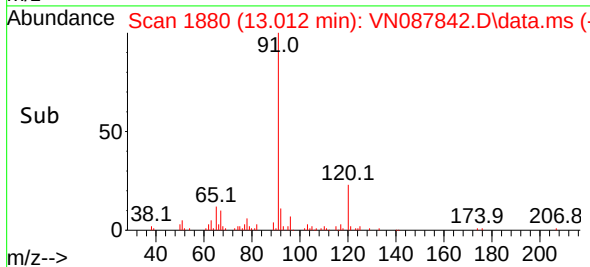
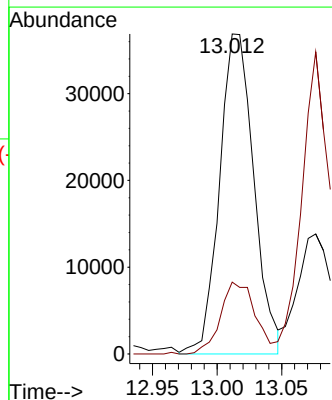
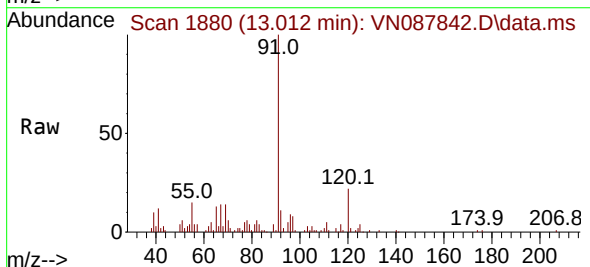
Instrument :
MSVOA_N
ClientSampleId :
BEL-25-0023

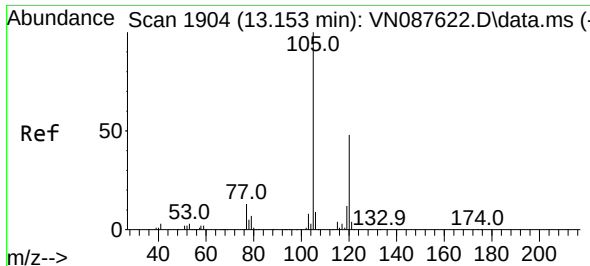
Tgt Ion:152 Resp: 236683
Ion Ratio Lower Upper
152 100
115 63.6 32.3 96.8
150 159.3 0.0 351.0



#78
n-propylbenzene
Concen: 2.892 ug/l m
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN087842.D
Acq: 15 Sep 2025 16:46

Tgt Ion: 91 Resp: 68140
Ion Ratio Lower Upper
91 100
120 0.0 10.7 32.1#

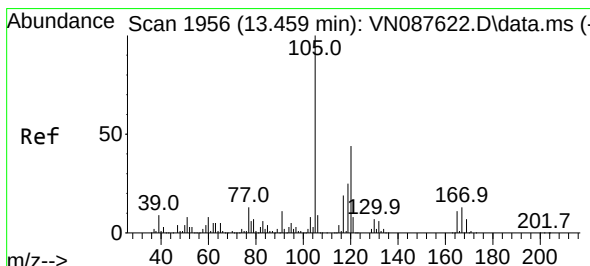
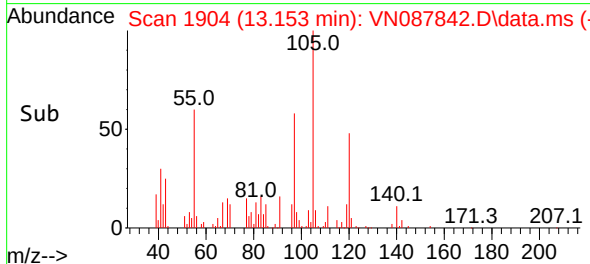
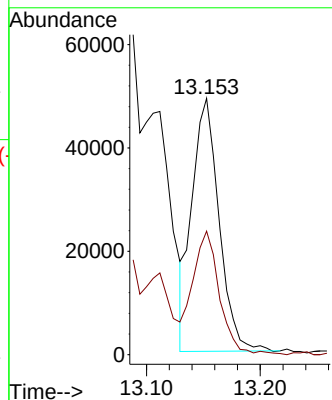
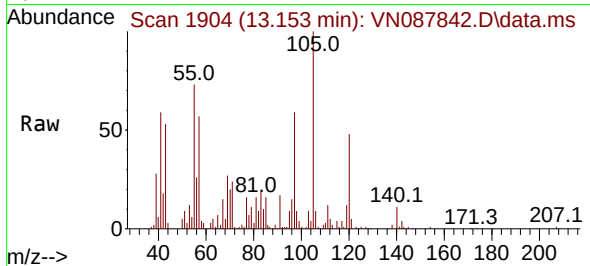




#80
 1,3,5-Trimethylbenzene
 Concen: 4.996 ug/l
 RT: 13.153 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VN087842.D
 Acq: 15 Sep 2025 16:46

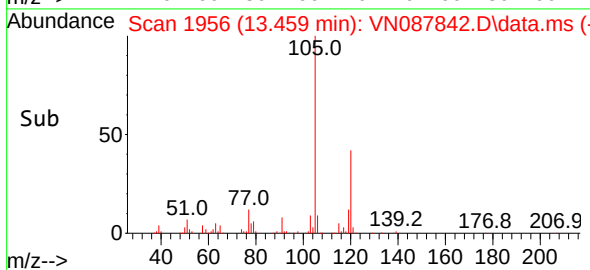
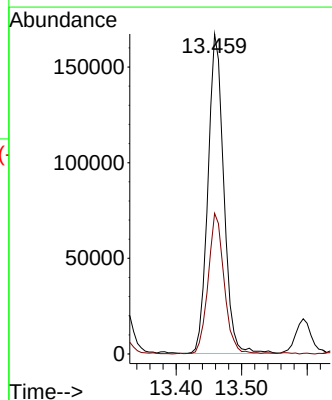
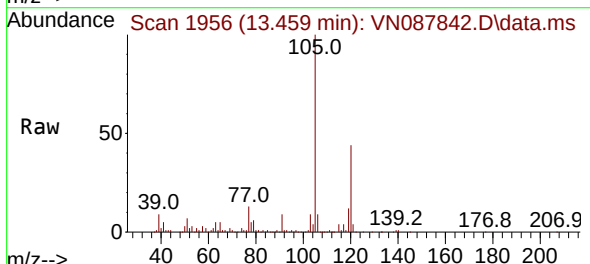
Instrument :
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 ClientSampleId :
 BEL-25-0023

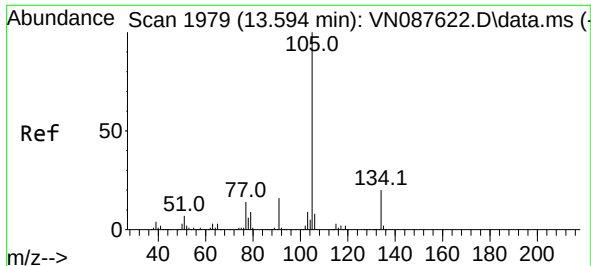
Tgt Ion:105 Resp: 81058
 Ion Ratio Lower Upper
 105 100
 120 48.6 23.2 69.6



#84
 1,2,4-Trimethylbenzene
 Concen: 17.259 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. -0.000 min
 Lab File: VN087842.D
 Acq: 15 Sep 2025 16:46

Tgt Ion:105 Resp: 280312
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.0 66.0

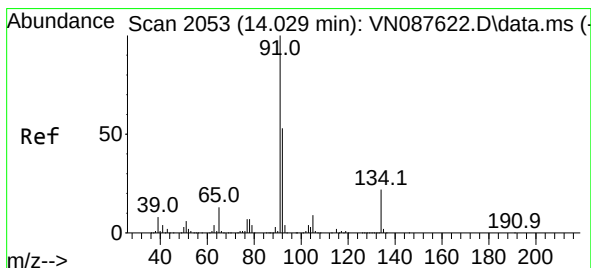
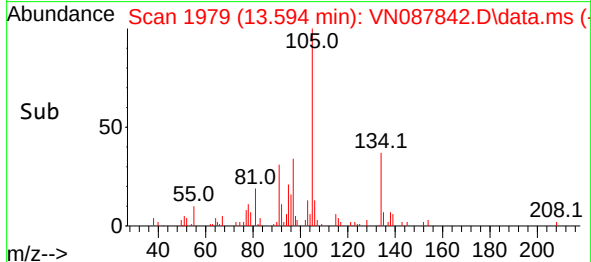
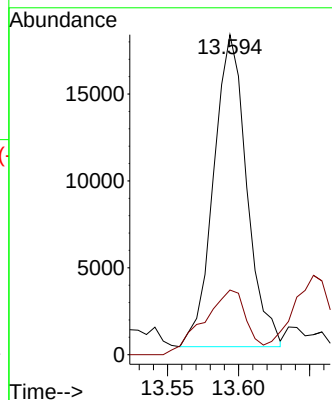
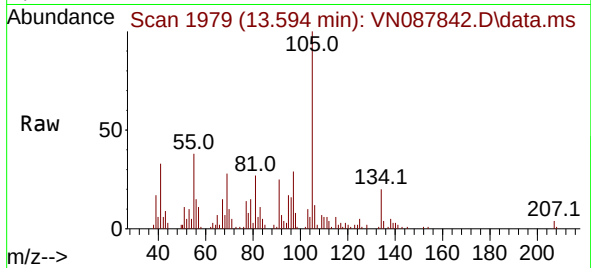




#85
 sec-Butylbenzene
 Concen: 1.452 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. -0.000 min
 Lab File: VN087842.D
 Acq: 15 Sep 2025 16:46

Instrument :
 MSVOA_N
 ClientSampleId :
 BEL-25-0023

Tgt Ion:105 Resp: 29135
 Ion Ratio Lower Upper
 105 100
 134 26.8 9.6 28.6



#89
 n-Butylbenzene
 Concen: 2.123 ug/l
 RT: 14.035 min Scan# 2054
 Delta R.T. 0.006 min
 Lab File: VN087842.D
 Acq: 15 Sep 2025 16:46

Tgt Ion: 91 Resp: 34930
 Ion Ratio Lower Upper
 91 100
 92 58.0 25.9 77.8
 134 0.0 11.7 35.0#

