

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087590.D
 Acq On : 15 Aug 2025 18:12
 Operator : JC\MD
 Sample : Q2884-03
 Misc : 3.80g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 302

Quant Time: Aug 18 05:49:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 17 02:56:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	301019	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	663766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	584709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	277911	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	271521	53.160	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	106.320%
35) Dibromofluoromethane	8.147	113	190545	41.616	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	83.240%
50) Toluene-d8	10.547	98	724080	44.333	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.660%
62) 4-Bromofluorobenzene	12.829	95	257371	42.653	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	85.300%

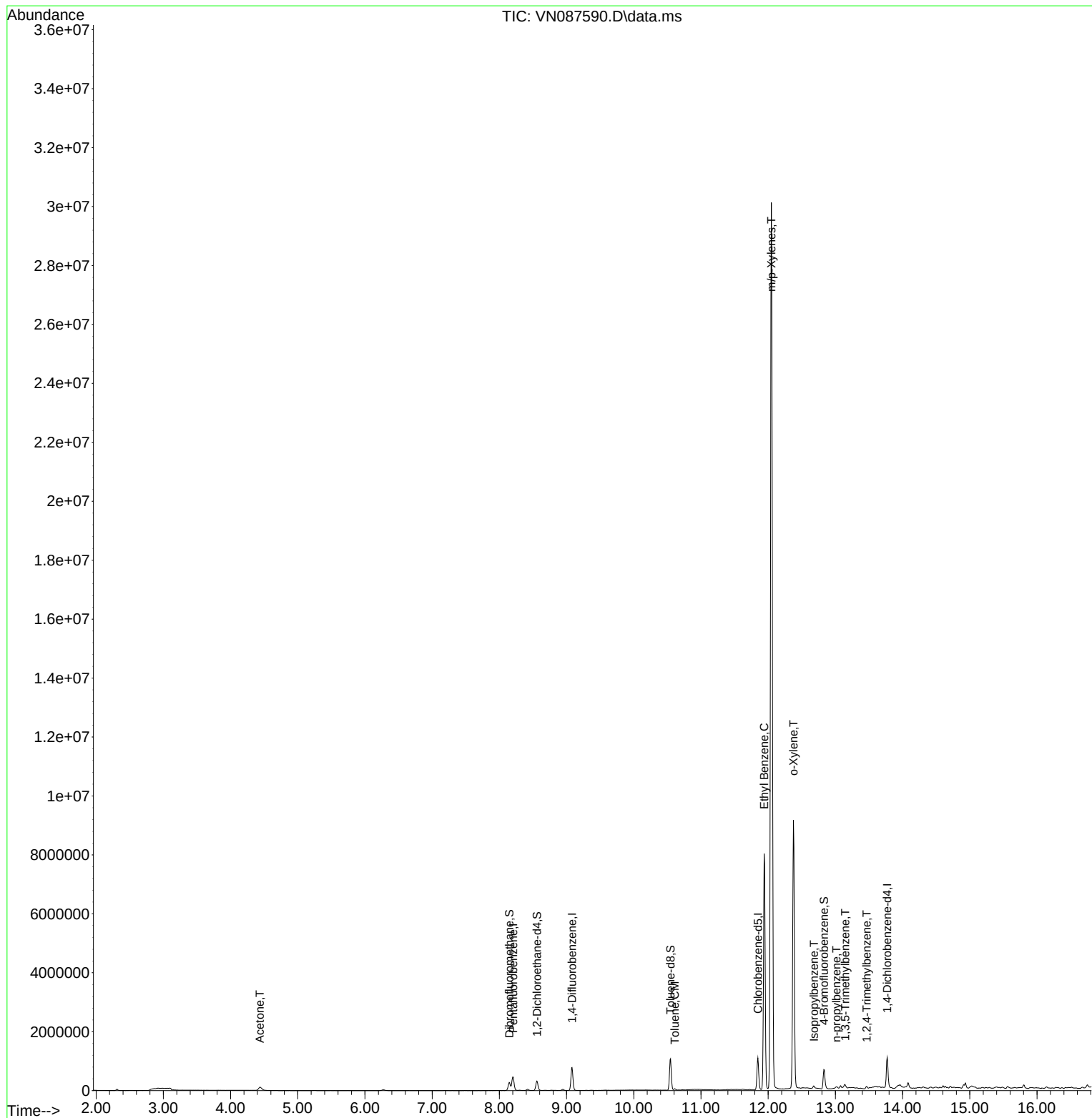
Target Compounds						Qvalue
16) Acetone	4.436	43	248965	103.959	ug/l	99
52) Toluene	10.612	92	16619	1.398	ug/l	96
67) Ethyl Benzene	11.941	91	5966070	276.072	ug/l	98
68) m/p-Xylenes	12.047	106	9563780	1181.833	ug/l	93
69) o-Xylene	12.376	106	2451534	317.146	ug/l	95
73) Isopropylbenzene	12.682	105	53195	3.041	ug/l	100
78) n-propylbenzene	13.018	91	42633	1.937	ug/l	95
80) 1,3,5-Trimethylbenzene	13.147	105	20615	1.383	ug/l	91
84) 1,2,4-Trimethylbenzene	13.465	105	58675	3.855	ug/l	97

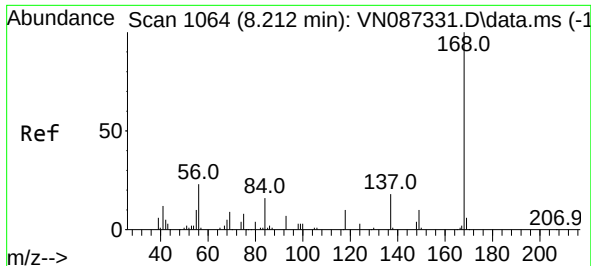
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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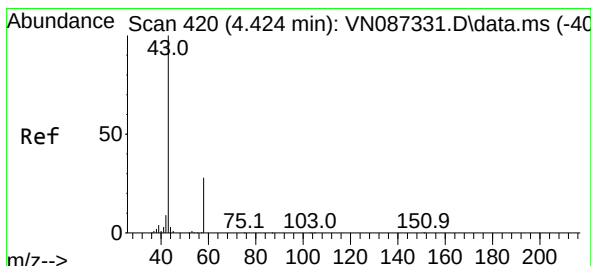
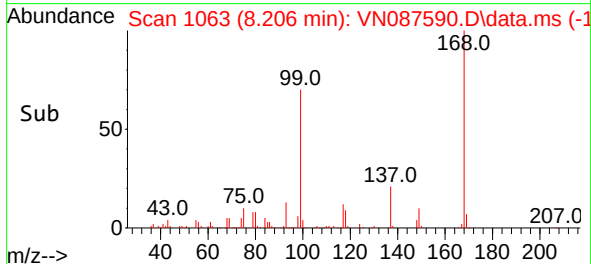
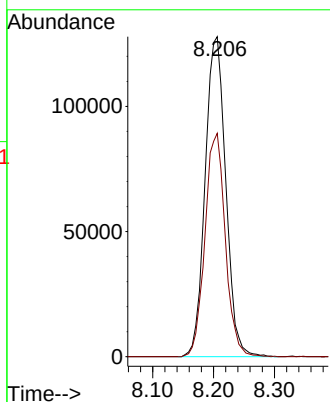
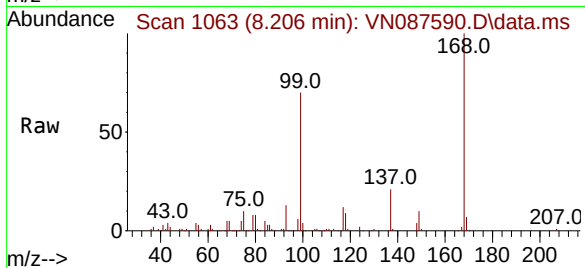




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087590.D
Acq: 15 Aug 2025 18:12

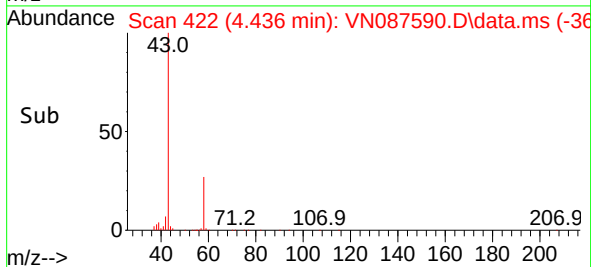
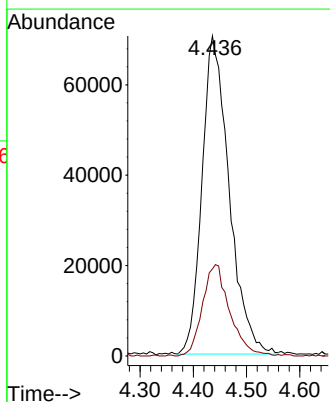
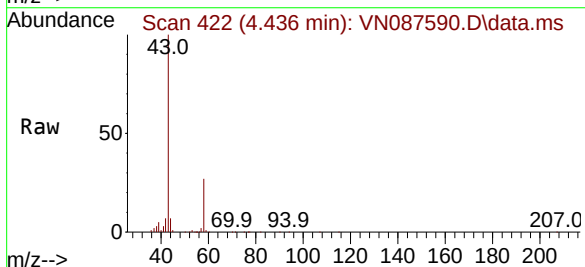
Instrument :
MSVOA_N
ClientSampleId :
302

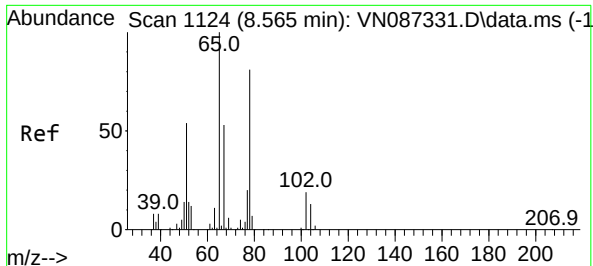
Tgt Ion:168 Resp: 301019
Ion Ratio Lower Upper
168 100
99 69.8 47.9 71.9



#16
Acetone
Concen: 103.959 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.012 min
Lab File: VN087590.D
Acq: 15 Aug 2025 18:12

Tgt Ion: 43 Resp: 248965
Ion Ratio Lower Upper
43 100
58 27.4 22.3 33.5





#33

1,2-Dichloroethane-d4

Concen: 53.160 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.006 min

Lab File: VN087590.D

Acq: 15 Aug 2025 18:12

Instrument :

MSVOA_N

ClientSampleId :

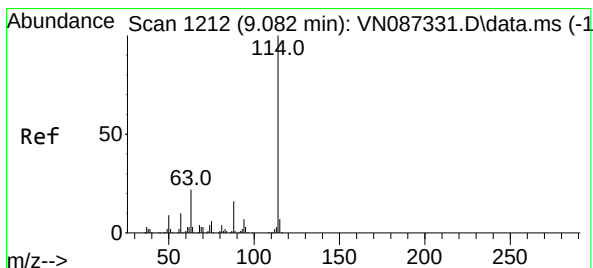
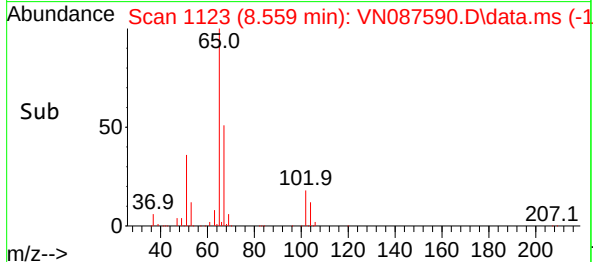
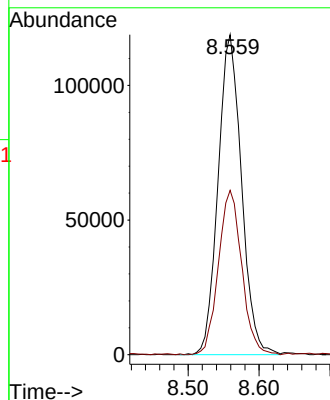
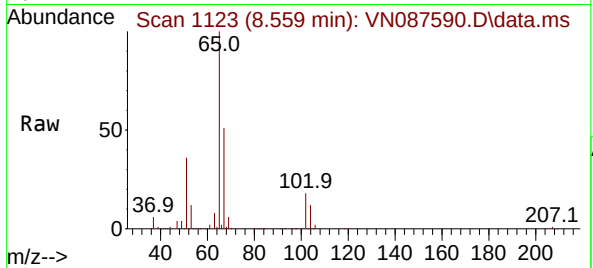
302

Tgt Ion: 65 Resp: 271521

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN087590.D

Acq: 15 Aug 2025 18:12

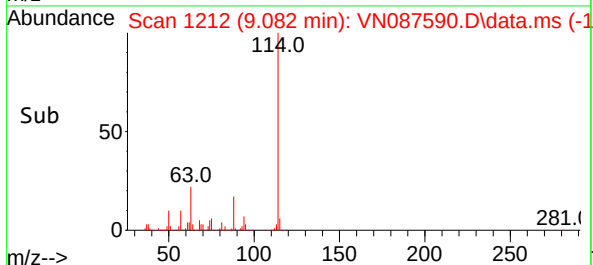
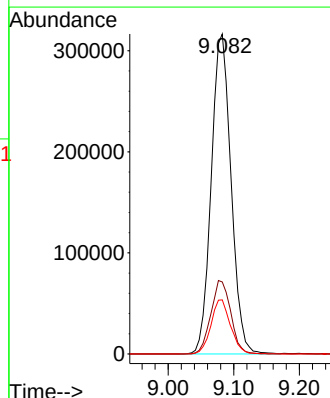
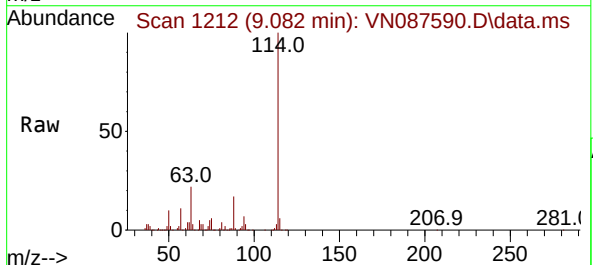
Tgt Ion:114 Resp: 663766

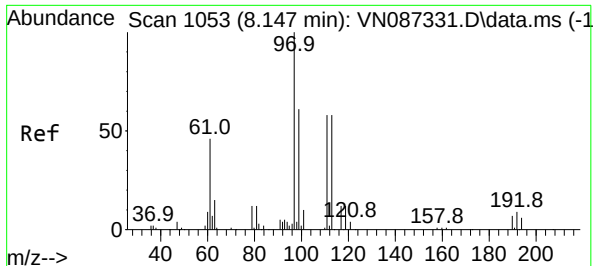
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.6

88 16.9 0.0 32.8

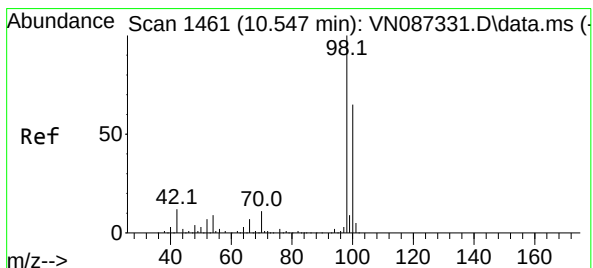
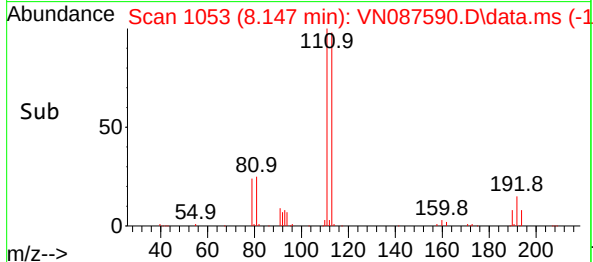
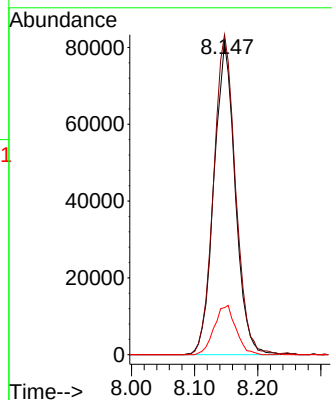
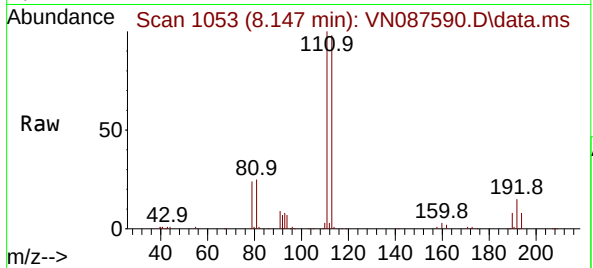




#35
Dibromofluoromethane
Concen: 41.616 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VN087590.D
Acq: 15 Aug 2025 18:12

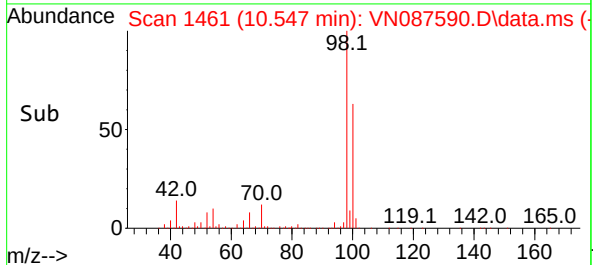
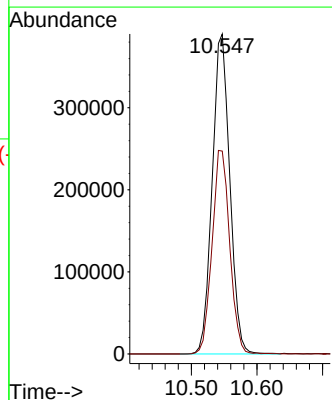
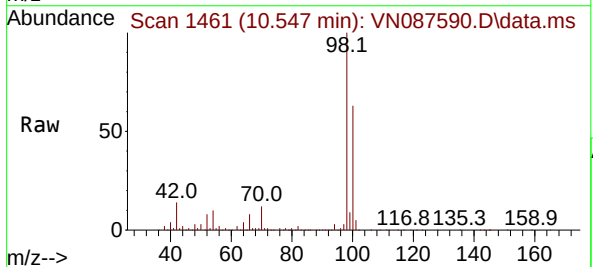
Instrument :
MSVOA_N
ClientSampleId :
302

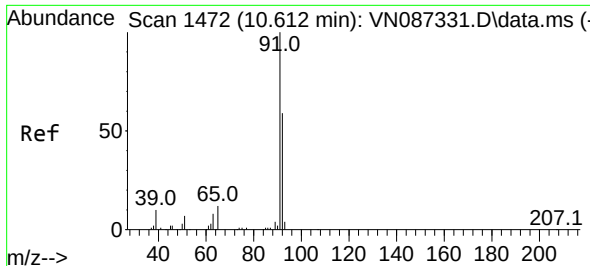
Tgt Ion:113 Resp: 190545
Ion Ratio Lower Upper
113 100
111 105.3 82.5 123.7
192 16.0 13.7 20.5



#50
Toluene-d8
Concen: 44.333 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087590.D
Acq: 15 Aug 2025 18:12

Tgt Ion: 98 Resp: 724080
Ion Ratio Lower Upper
98 100
100 64.0 52.1 78.1

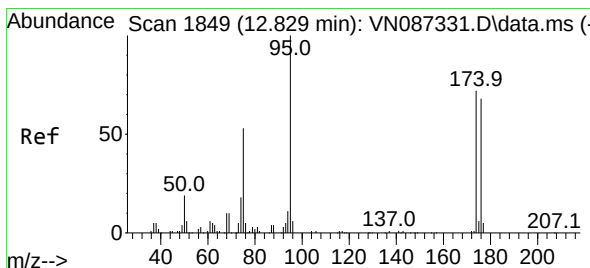
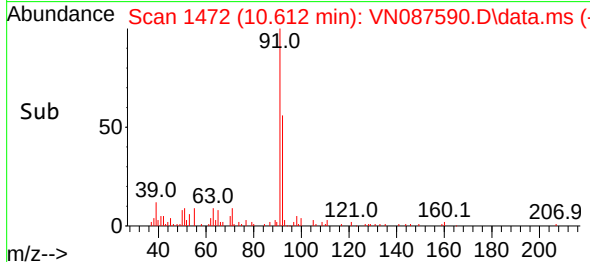
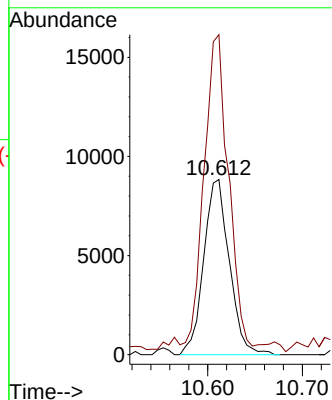
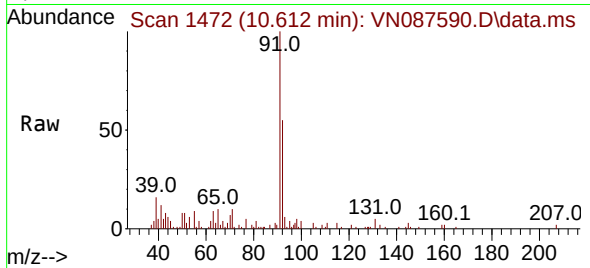




#52
Toluene
Concen: 1.398 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087590.D
Acq: 15 Aug 2025 18:12

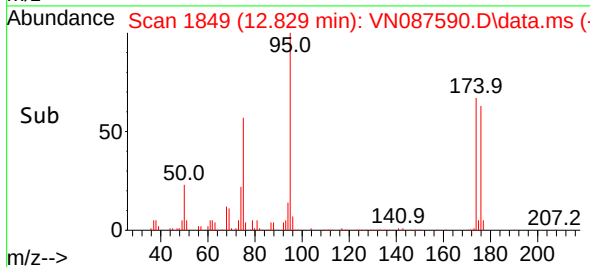
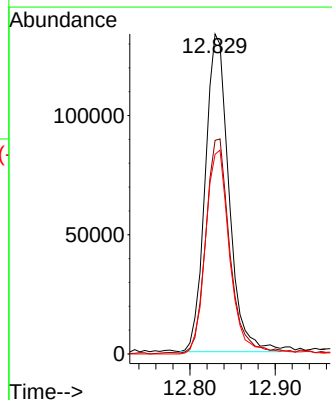
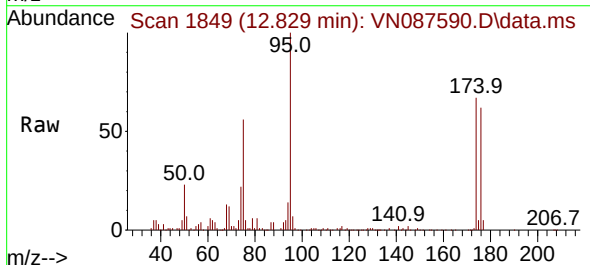
Instrument :
MSVOA_N
ClientSampleId :
302

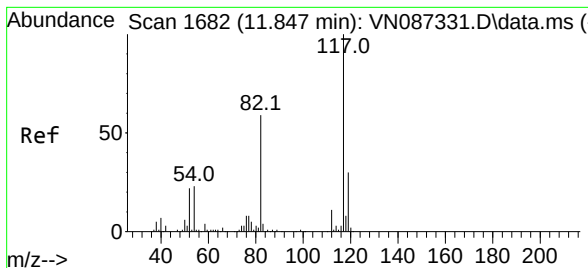
Tgt Ion: 92 Resp: 16619
Ion Ratio Lower Upper
92 100
91 174.7 135.1 202.7



#62
4-Bromofluorobenzene
Concen: 42.653 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087590.D
Acq: 15 Aug 2025 18:12

Tgt Ion: 95 Resp: 257371
Ion Ratio Lower Upper
95 100
174 68.3 0.0 149.4
176 65.9 0.0 141.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087590.D

Acq: 15 Aug 2025 18:12

Instrument :

MSVOA_N

ClientSampleId :

302

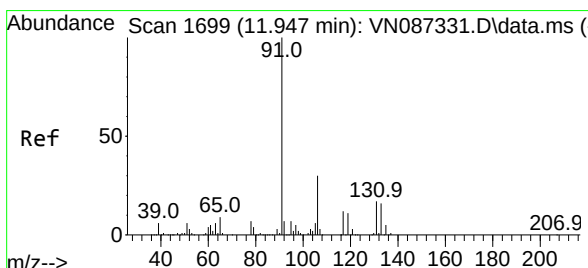
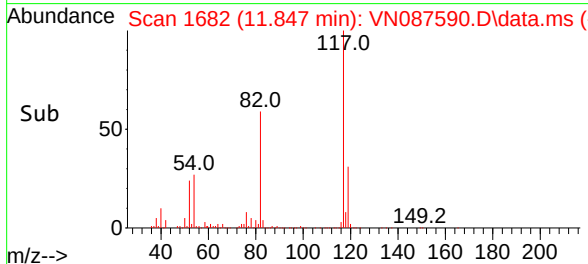
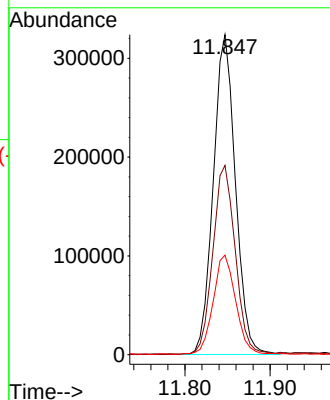
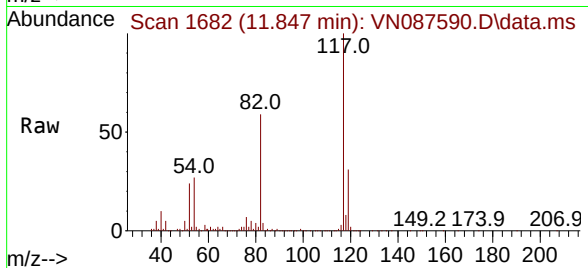
Tgt Ion:117 Resp: 584709

Ion Ratio Lower Upper

117 100

82 59.0 47.4 71.2

119 31.0 23.8 35.8



#67

Ethyl Benzene

Concen: 276.072 ug/l

RT: 11.941 min Scan# 1698

Delta R.T. -0.006 min

Lab File: VN087590.D

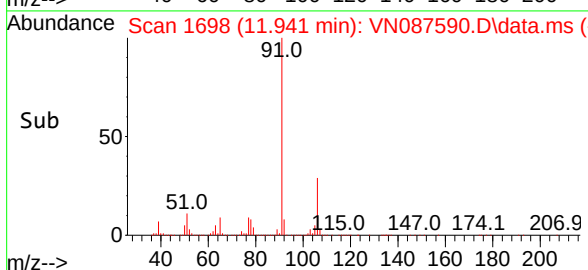
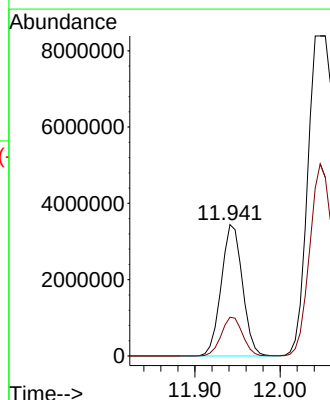
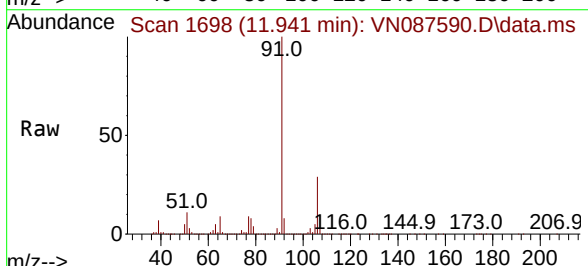
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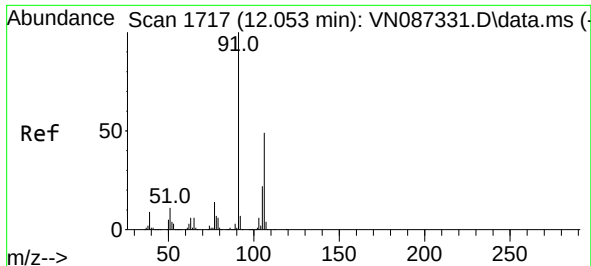
Tgt Ion: 91 Resp: 5966070

Ion Ratio Lower Upper

91 100

106 29.5 24.3 36.5

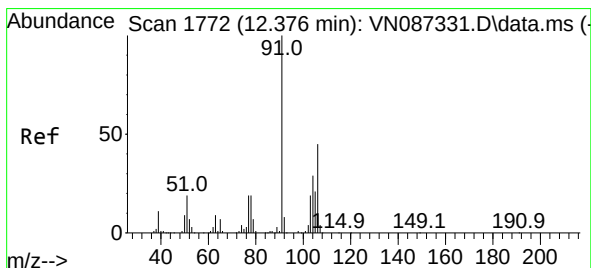
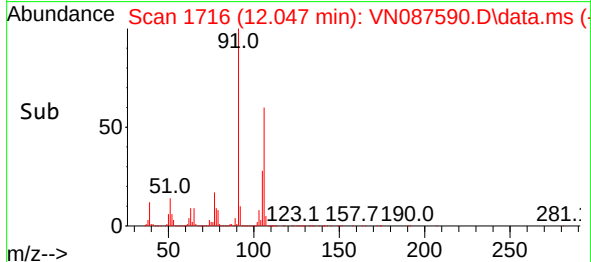
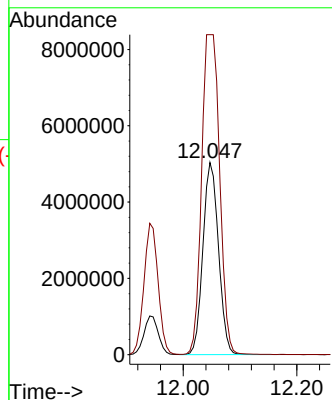
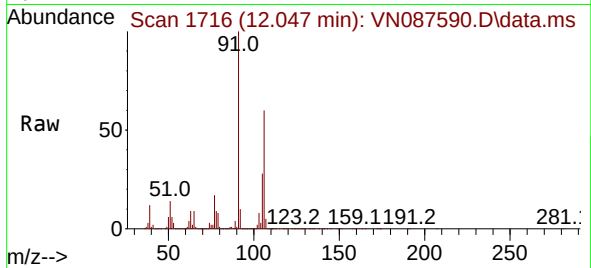




#68
m/p-Xylenes
Concen: 1181.833 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN087590.D
Acq: 15 Aug 2025 18:12

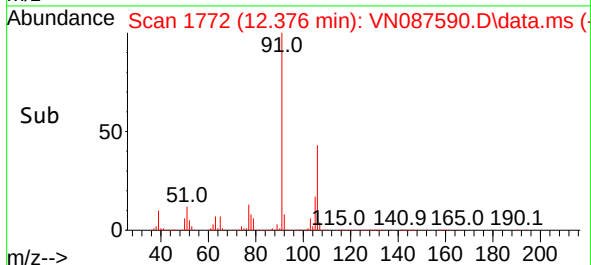
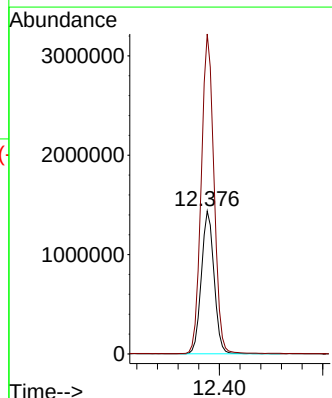
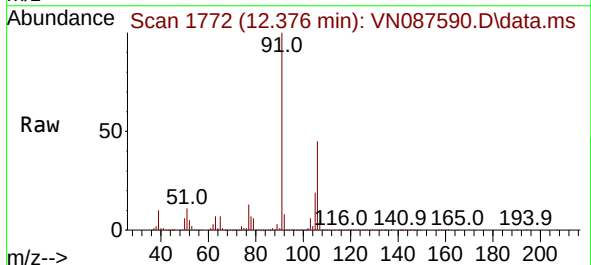
Instrument :
MSVOA_N
ClientSampleId :
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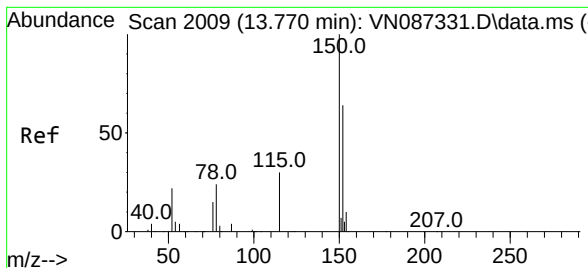
Tgt Ion:106 Resp: 9563780
Ion Ratio Lower Upper
106 100
91 192.5 162.0 243.0



#69
o-Xylene
Concen: 317.146 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087590.D
Acq: 15 Aug 2025 18:12

Tgt Ion:106 Resp: 2451534
Ion Ratio Lower Upper
106 100
91 224.0 107.7 323.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN087590.D

Acq: 15 Aug 2025 18:12

Instrument :

MSVOA_N

ClientSampleId :

302

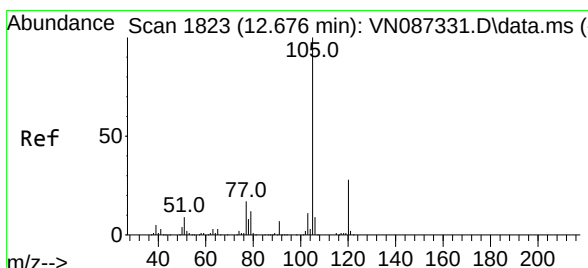
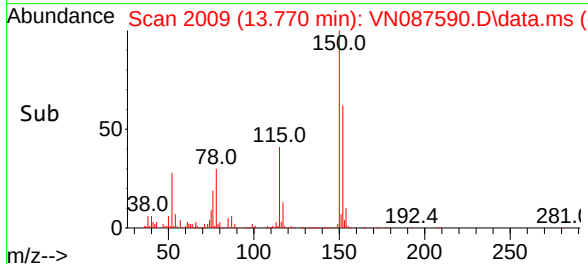
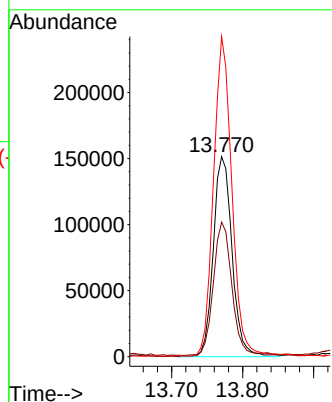
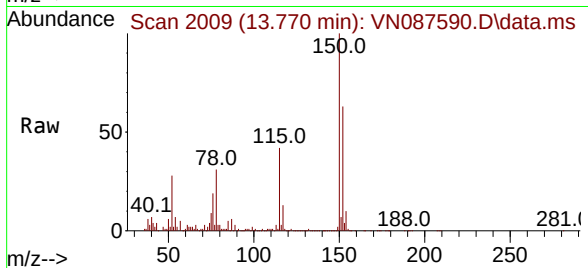
Tgt Ion:152 Resp: 277911

Ion Ratio Lower Upper

152 100

115 64.8 31.1 93.5

150 155.0 0.0 349.0



#73

Isopropylbenzene

Concen: 3.041 ug/l

RT: 12.682 min Scan# 1824

Delta R.T. 0.006 min

Lab File: VN087590.D

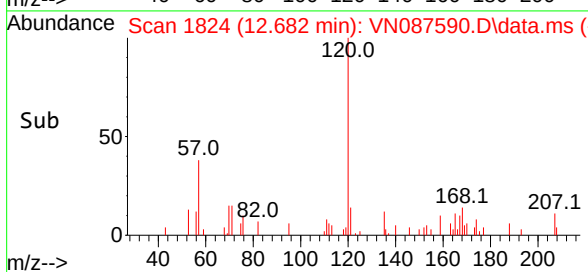
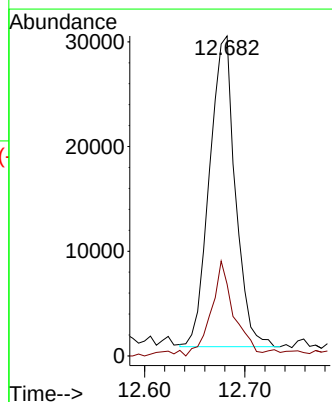
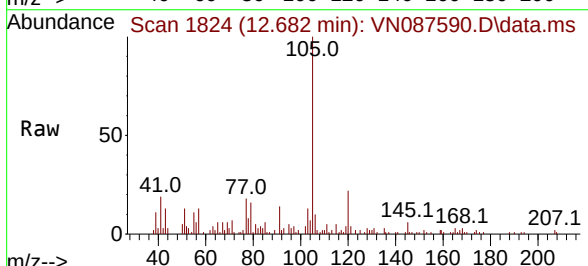
Acq: 15 Aug 2025 18:12

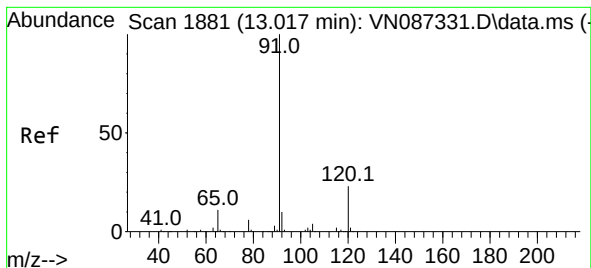
Tgt Ion:105 Resp: 53195

Ion Ratio Lower Upper

105 100

120 26.7 13.4 40.1





#78

n-propylbenzene

Concen: 1.937 ug/l

RT: 13.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN087590.D

Acq: 15 Aug 2025 18:12

Instrument :

MSVOA_N

ClientSampleId :

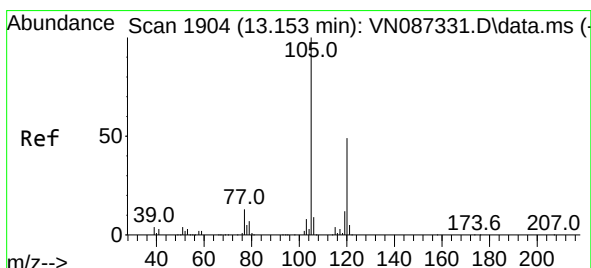
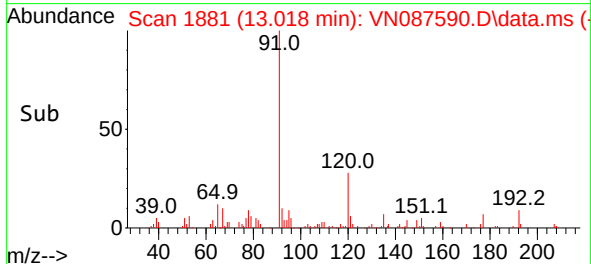
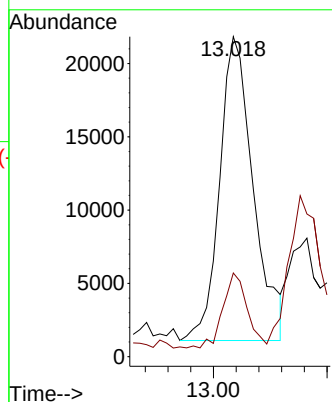
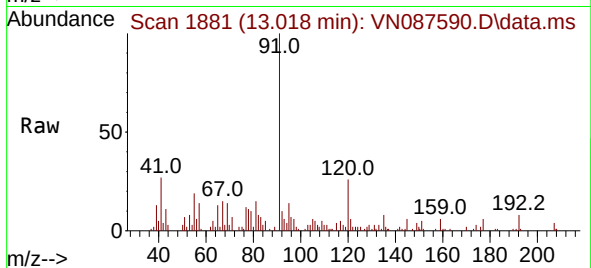
302

Tgt Ion: 91 Resp: 42633

Ion Ratio Lower Upper

91 100

120 20.3 11.3 33.8



#80

1,3,5-Trimethylbenzene

Concen: 1.383 ug/l

RT: 13.147 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VN087590.D

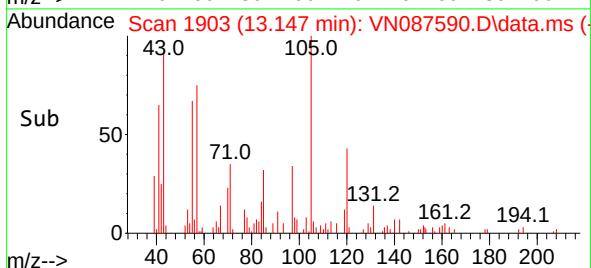
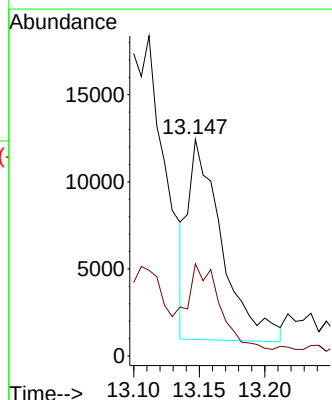
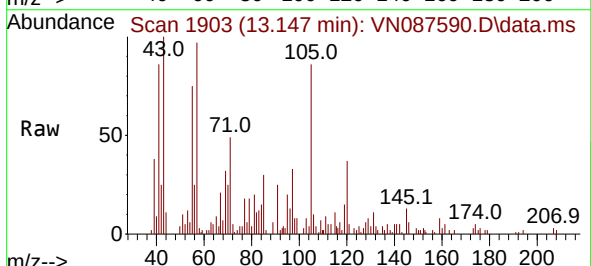
Acq: 15 Aug 2025 18:12

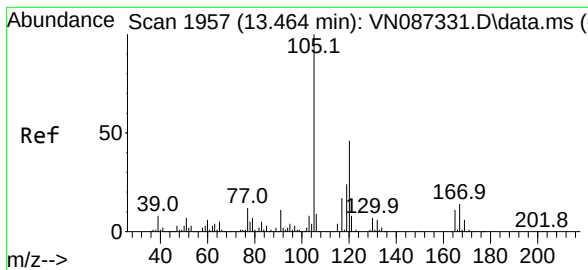
Tgt Ion:105 Resp: 20615

Ion Ratio Lower Upper

105 100

120 42.4 24.3 72.8





#84
 1,2,4-Trimethylbenzene
 Concen: 3.855 ug/l
 RT: 13.465 min Scan# 1957
 Delta R.T. 0.000 min
 Lab File: VN087590.D
 Acq: 15 Aug 2025 18:12

Instrument :
 MSVOA_N
 ClientSampleId :
 302

Tgt Ion:105 Resp: 58675
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.8 68.3

