

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087587.D
 Acq On : 15 Aug 2025 17:07
 Operator : JC\MD
 Sample : Q2844-09
 Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0226

Quant Time: Aug 18 05:47:44 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)

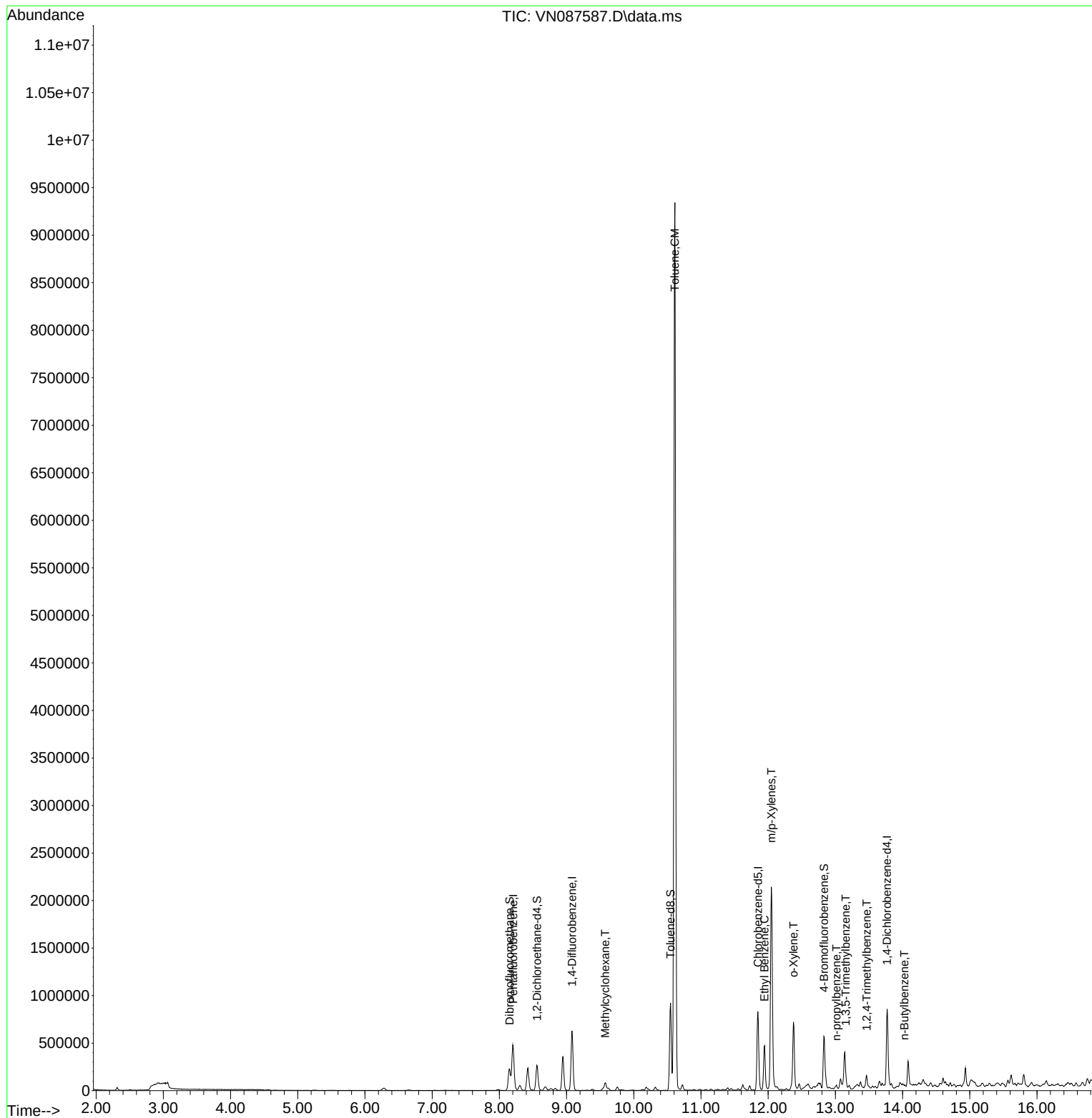
Internal Standards						
1) Pentafluorobenzene	8.206	168	241813	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	525401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	459162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	209623	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	222134	54.139	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.280%			
35) Dibromofluoromethane	8.153	113	163208	45.033	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.060%			
50) Toluene-d8	10.547	98	609262	47.127	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.260%			
62) 4-Bromofluorobenzene	12.829	95	197735	41.399	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 82.800%			
Target Compounds					Qvalue	
39) Methylcyclohexane	9.576	83	31929	6.159	ug/l	87
52) Toluene	10.612	92	3957129	420.688	ug/l	95
67) Ethyl Benzene	11.947	91	354970	20.917	ug/l	98
68) m/p-Xylenes	12.047	106	598096	94.118	ug/l	91
69) o-Xylene	12.376	106	192493	31.711	ug/l	97
78) n-propylbenzene	13.017	91	28795	1.735	ug/l	92
80) 1,3,5-Trimethylbenzene	13.153	105	23899	2.126	ug/l	99
84) 1,2,4-Trimethylbenzene	13.464	105	80546	7.017	ug/l	96
89) n-Butylbenzene	14.029	91	14194	1.312	ug/l #	79

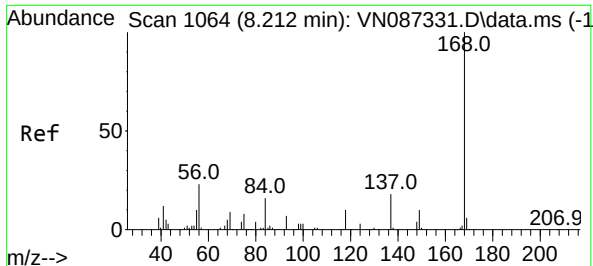
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
Data File : VN087587.D
Acq On : 15 Aug 2025 17:07
Operator : JC\MD
Sample : Q2844-09
Misc : 1.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0226

Quant Time: Aug 18 05:47:44 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

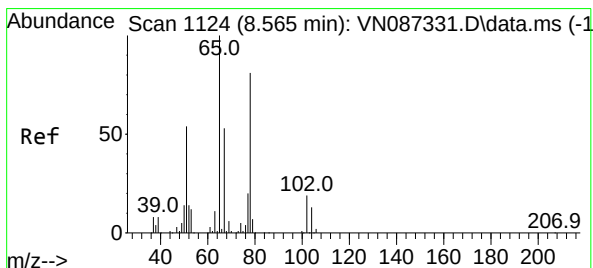
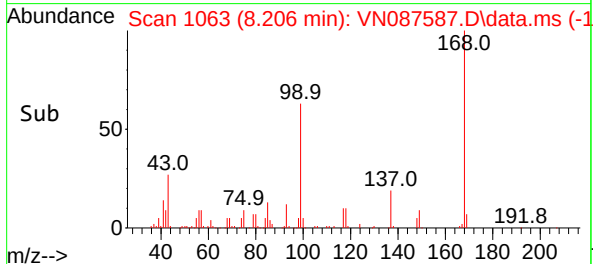
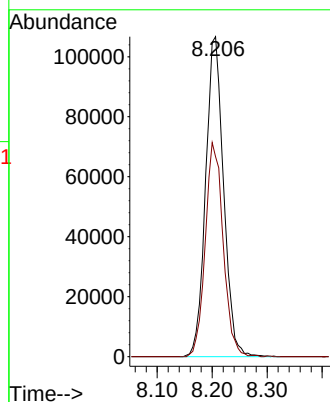
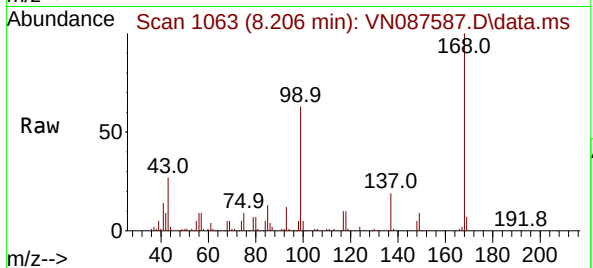




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN087587.D
Acq: 15 Aug 2025 17:07

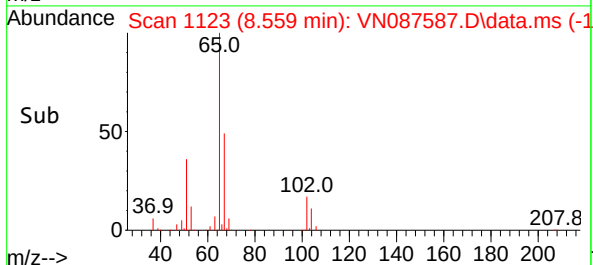
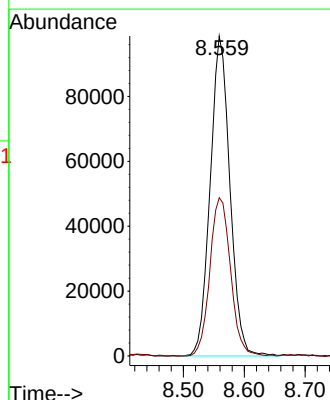
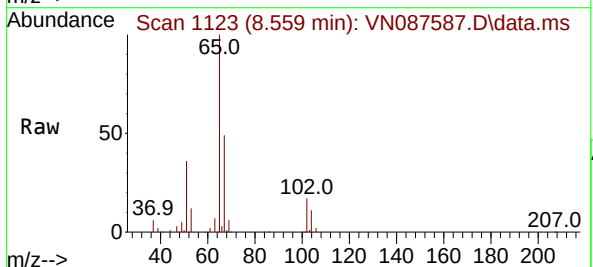
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0226

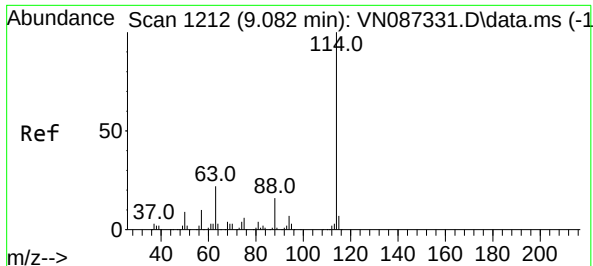
Tgt Ion:168 Resp: 241813
Ion Ratio Lower Upper
168 100
99 62.5 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 54.139 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087587.D
Acq: 15 Aug 2025 17:07

Tgt Ion: 65 Resp: 222134
Ion Ratio Lower Upper
65 100
67 51.8 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087587.D

Acq: 15 Aug 2025 17:07

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0226

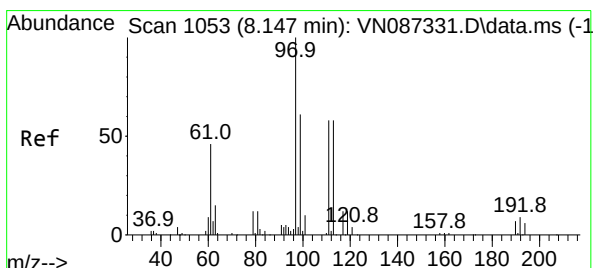
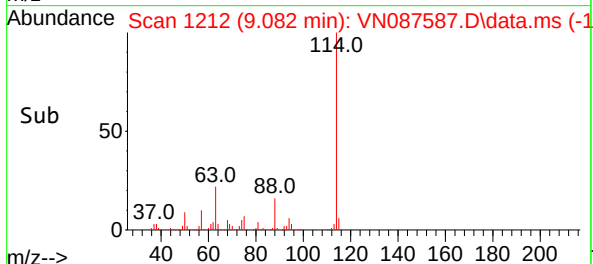
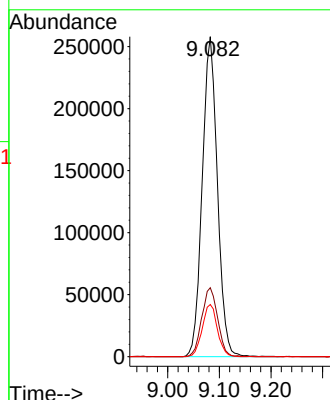
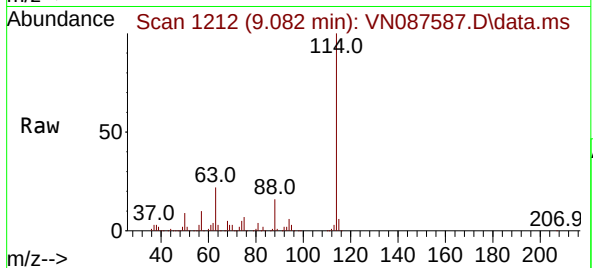
Tgt Ion:114 Resp: 525401

Ion Ratio Lower Upper

114 100

63 21.5 0.0 44.6

88 16.3 0.0 32.8



#35

Dibromofluoromethane

Concen: 45.033 ug/l

RT: 8.153 min Scan# 1054

Delta R.T. 0.006 min

Lab File: VN087587.D

Acq: 15 Aug 2025 17:07

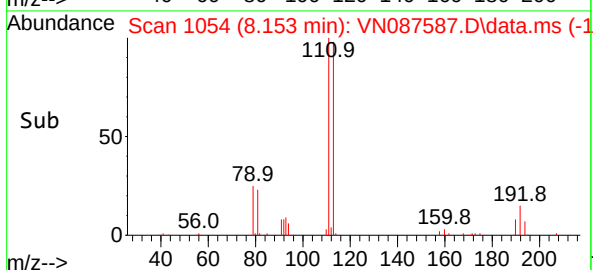
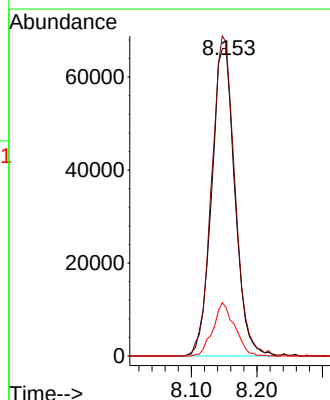
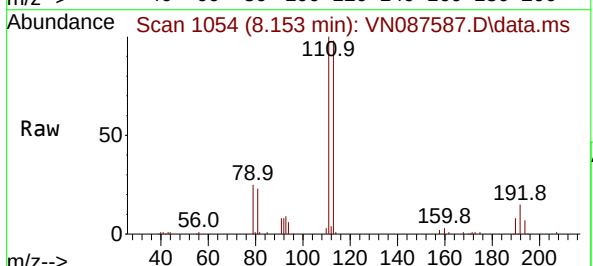
Tgt Ion:113 Resp: 163208

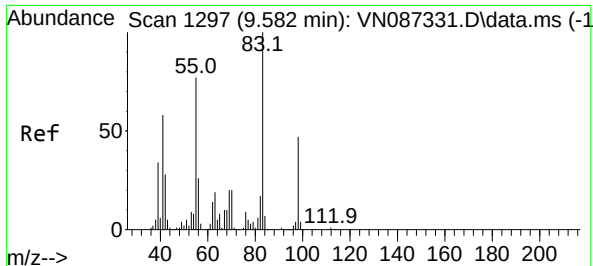
Ion Ratio Lower Upper

113 100

111 103.4 82.5 123.7

192 16.1 13.7 20.5





#39

Methylcyclohexane

Concen: 6.159 ug/l

RT: 9.576 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN087587.D

Acq: 15 Aug 2025 17:07

Instrument :

MSVOA_N

ClientSampleId :

MOO-25-0226

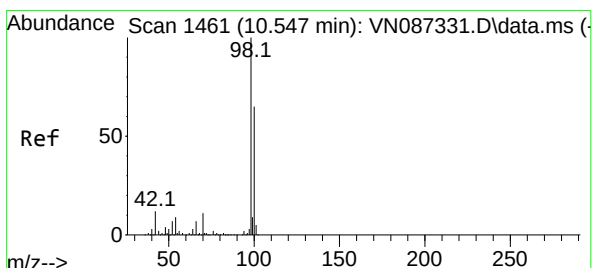
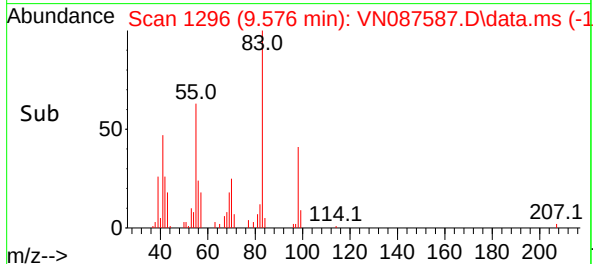
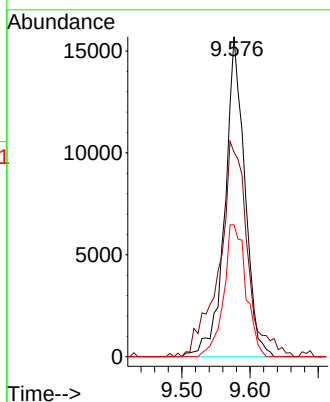
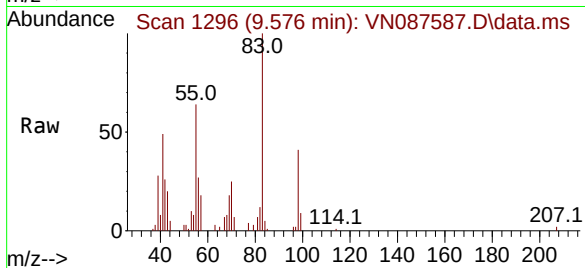
Tgt Ion: 83 Resp: 31929

Ion Ratio Lower Upper

83 100

55 62.9 61.3 91.9

98 41.2 37.9 56.9



#50

Toluene-d8

Concen: 47.127 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN087587.D

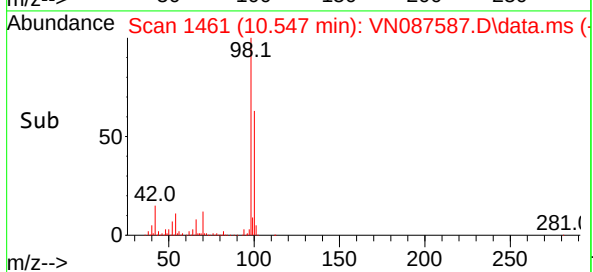
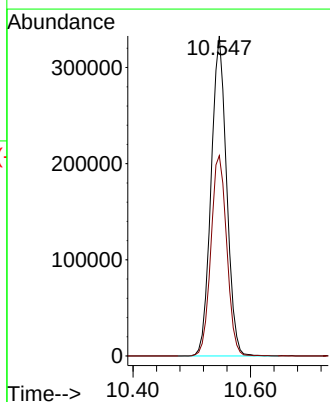
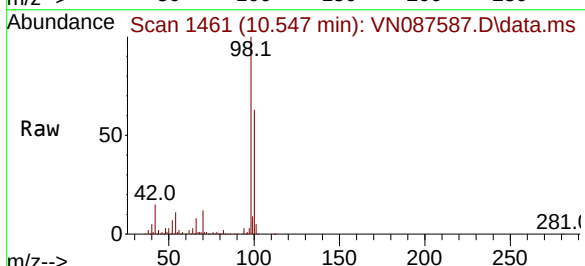
Acq: 15 Aug 2025 17:07

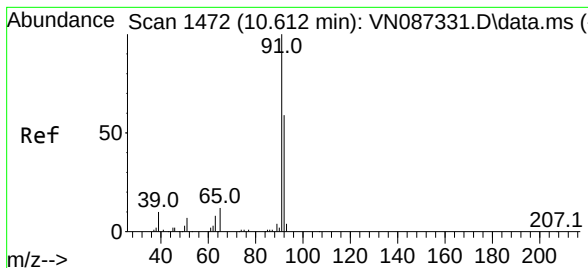
Tgt Ion: 98 Resp: 609262

Ion Ratio Lower Upper

98 100

100 64.0 52.1 78.1





#52

Toluene

Concen: 420.688 ug/l

RT: 10.612 min Scan# 1472

Delta R.T. -0.000 min

Lab File: VN087587.D

Acq: 15 Aug 2025 17:07

Instrument :

MSVOA_N

ClientSampleId :

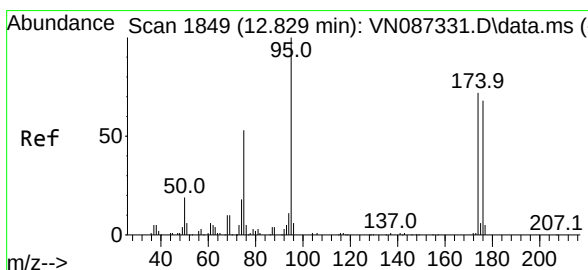
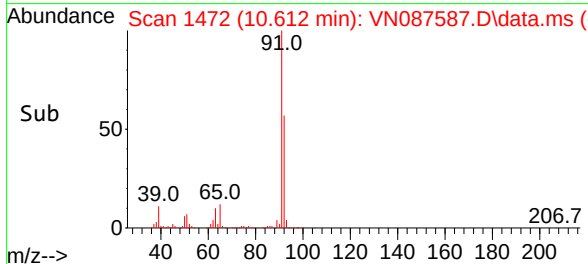
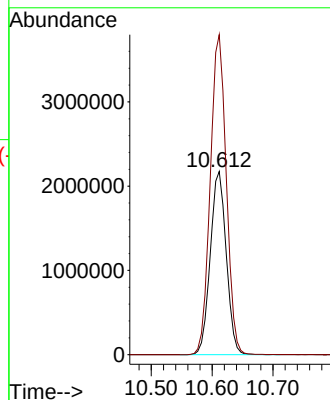
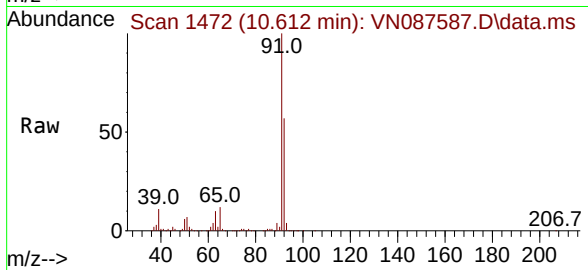
MOO-25-0226

Tgt Ion: 92 Resp: 3957129

Ion Ratio Lower Upper

92 100

91 175.2 135.1 202.7



#62

4-Bromofluorobenzene

Concen: 41.399 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.000 min

Lab File: VN087587.D

Acq: 15 Aug 2025 17:07

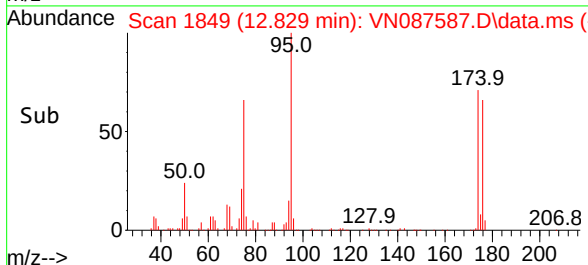
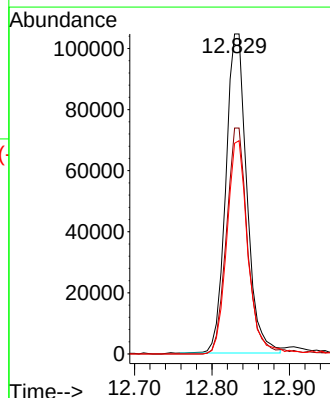
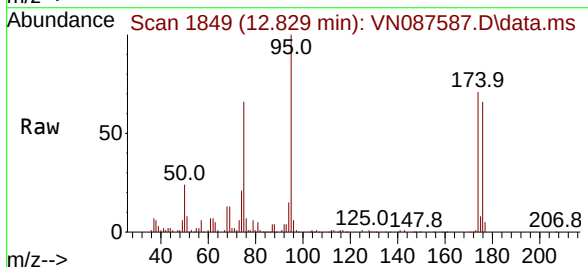
Tgt Ion: 95 Resp: 197735

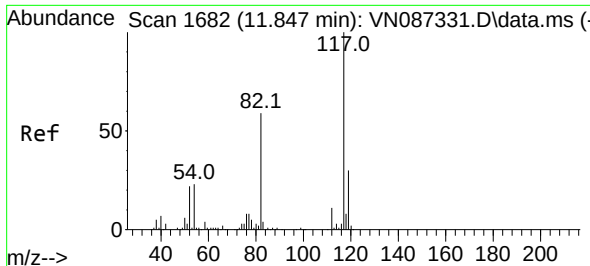
Ion Ratio Lower Upper

95 100

174 71.6 0.0 149.4

176 66.9 0.0 141.2

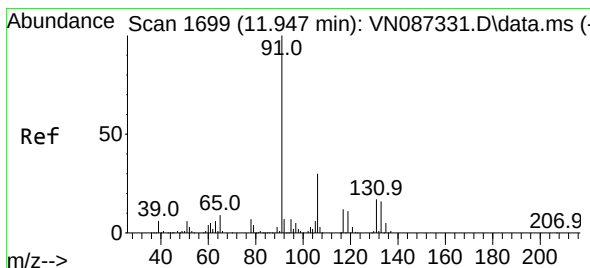
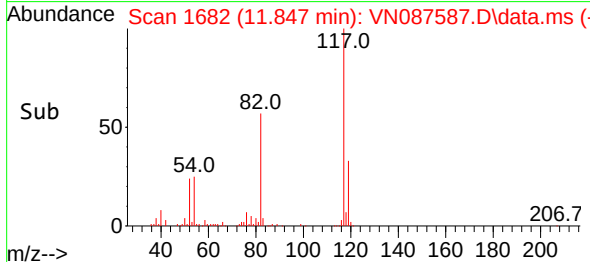
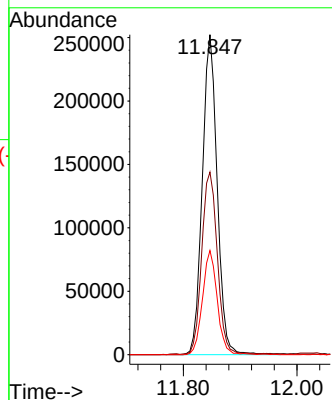
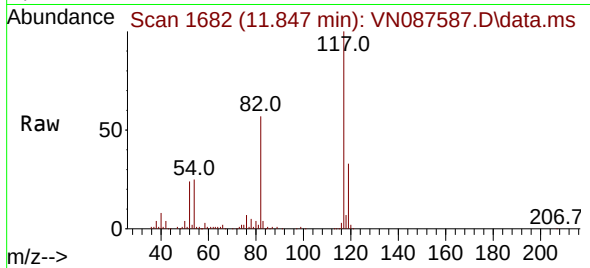




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087587.D
Acq: 15 Aug 2025 17:07

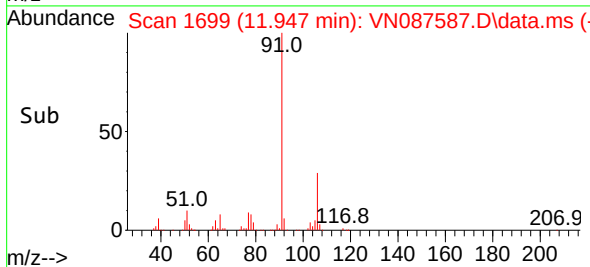
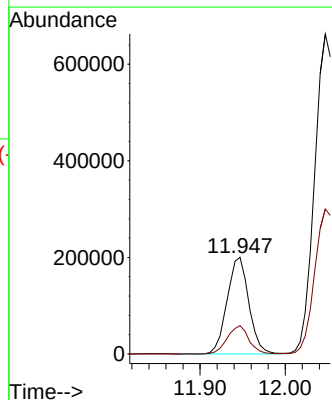
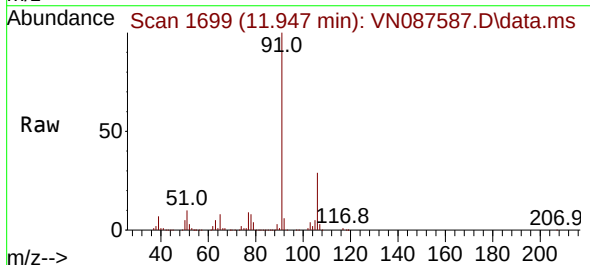
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0226

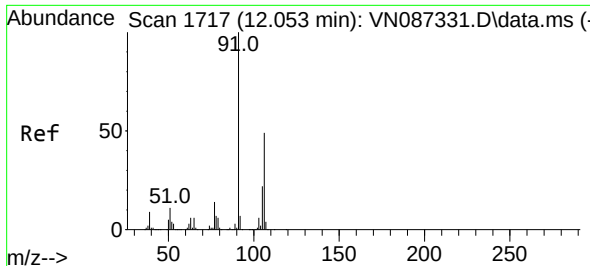
Tgt Ion:117 Resp: 459162
Ion Ratio Lower Upper
117 100
82 57.0 47.4 71.2
119 32.5 23.8 35.8



#67
Ethyl Benzene
Concen: 20.917 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VN087587.D
Acq: 15 Aug 2025 17:07

Tgt Ion: 91 Resp: 354970
Ion Ratio Lower Upper
91 100
106 29.3 24.3 36.5

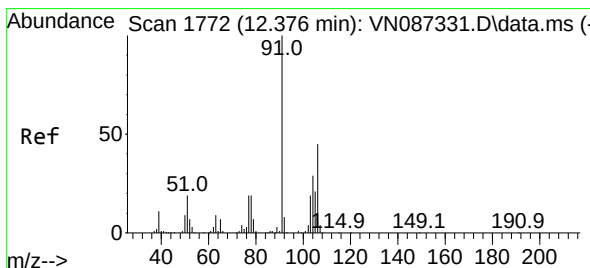
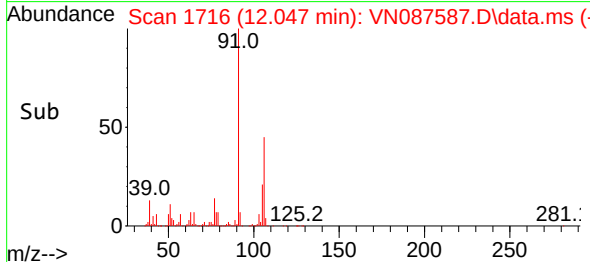
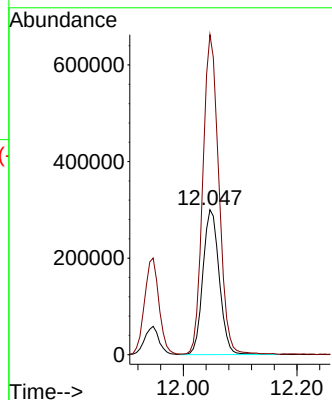
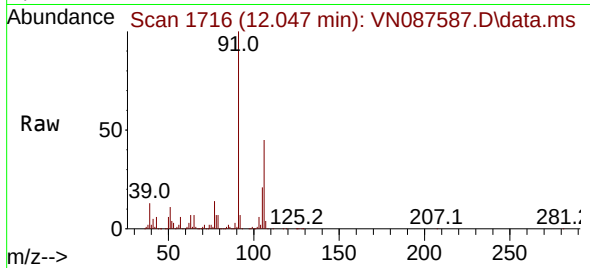




#68
m/p-Xylenes
Concen: 94.118 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN087587.D
Acq: 15 Aug 2025 17:07

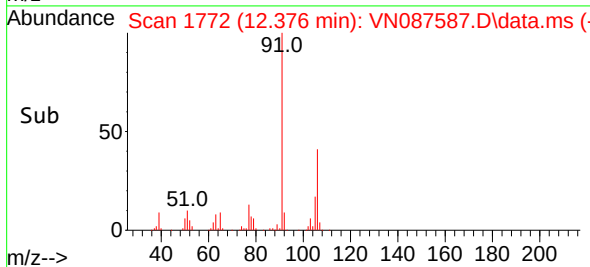
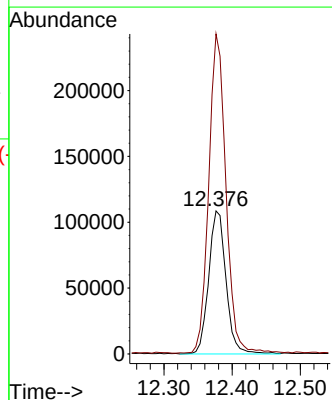
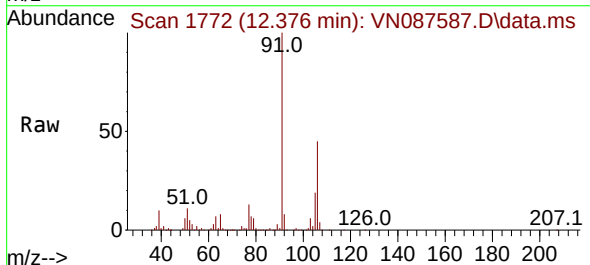
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0226

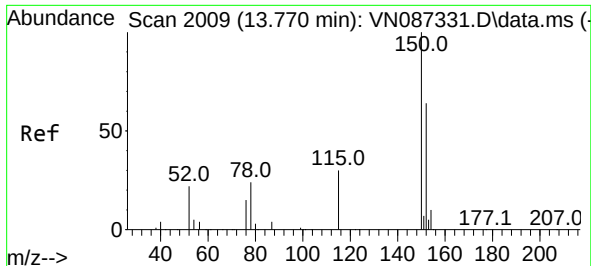
Tgt Ion:106 Resp: 598096
Ion Ratio Lower Upper
106 100
91 215.6 162.0 243.0



#69
o-Xylene
Concen: 31.711 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087587.D
Acq: 15 Aug 2025 17:07

Tgt Ion:106 Resp: 192493
Ion Ratio Lower Upper
106 100
91 220.3 107.7 323.3

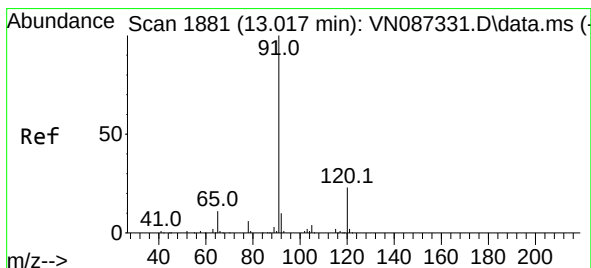
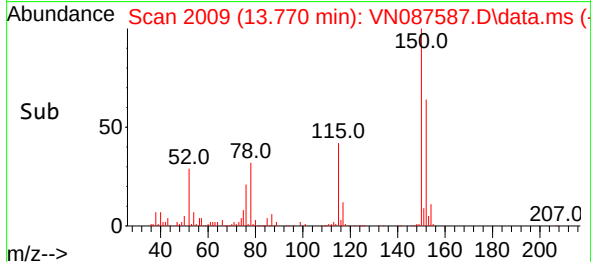
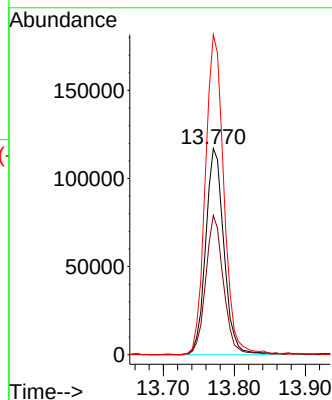
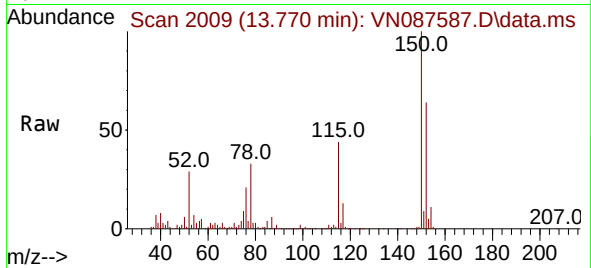




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087587.D
Acq: 15 Aug 2025 17:07

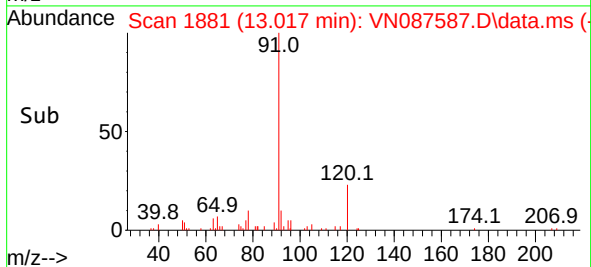
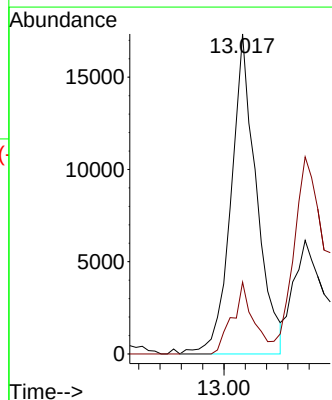
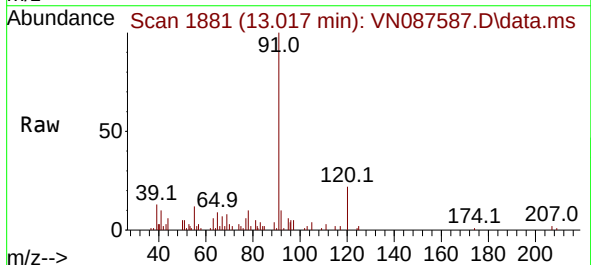
Instrument :
MSVOA_N
ClientSampleId :
MOO-25-0226

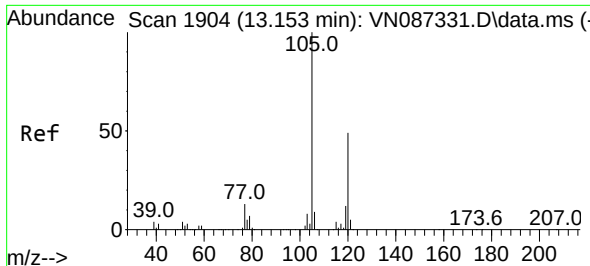
Tgt Ion:152 Resp: 209623
Ion Ratio Lower Upper
152 100
115 66.1 31.1 93.5
150 157.8 0.0 349.0



#78
n-propylbenzene
Concen: 1.735 ug/l
RT: 13.017 min Scan# 1881
Delta R.T. 0.000 min
Lab File: VN087587.D
Acq: 15 Aug 2025 17:07

Tgt Ion: 91 Resp: 28795
Ion Ratio Lower Upper
91 100
120 18.4 11.3 33.8

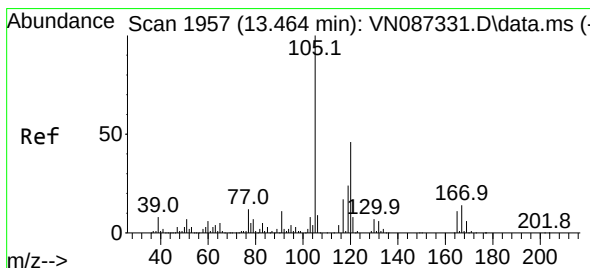
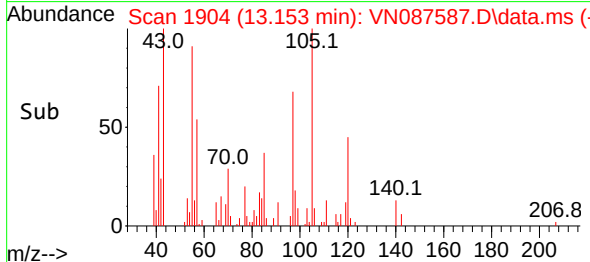
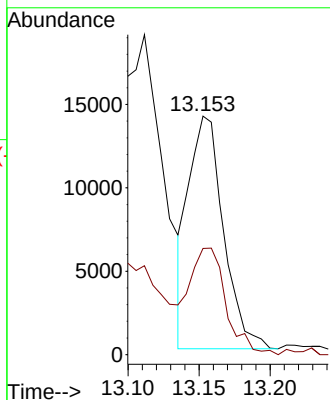
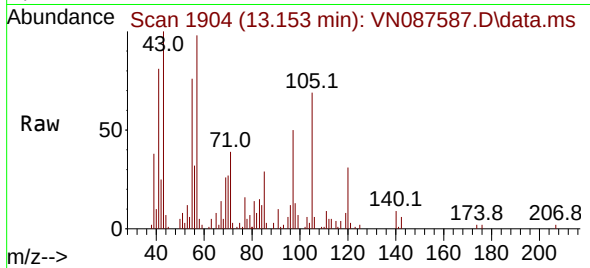




#80
 1,3,5-Trimethylbenzene
 Concen: 2.126 ug/l
 RT: 13.153 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VN087587.D
 Acq: 15 Aug 2025 17:07

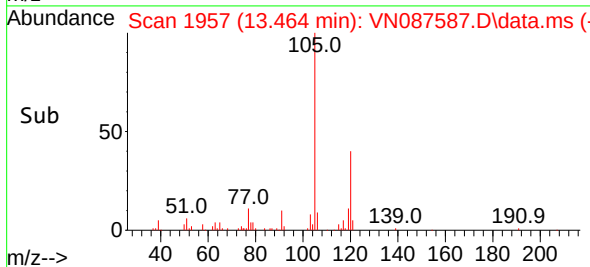
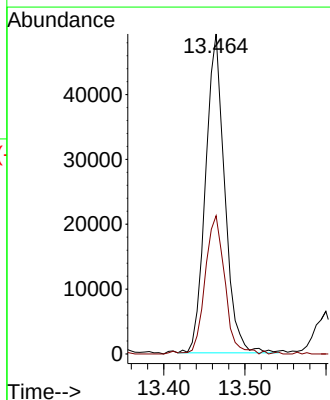
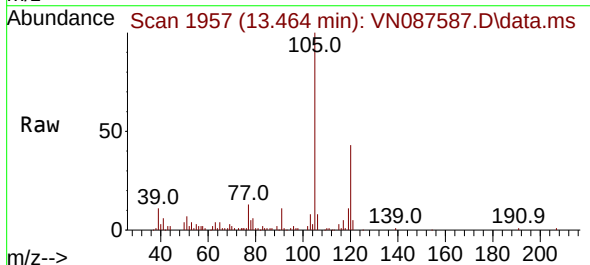
Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0226

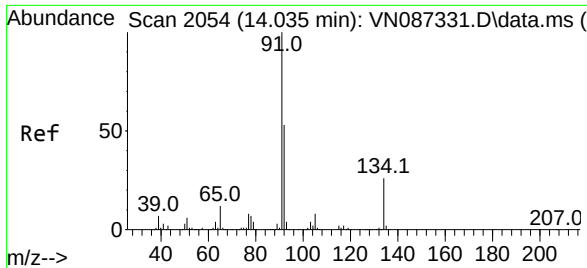
Tgt Ion:105 Resp: 23899
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.3 72.8



#84
 1,2,4-Trimethylbenzene
 Concen: 7.017 ug/l
 RT: 13.464 min Scan# 1957
 Delta R.T. 0.000 min
 Lab File: VN087587.D
 Acq: 15 Aug 2025 17:07

Tgt Ion:105 Resp: 80546
 Ion Ratio Lower Upper
 105 100
 120 43.1 22.8 68.3





#89
 n-Butylbenzene
 Concen: 1.312 ug/l
 RT: 14.029 min Scan# 2053
 Delta R.T. -0.006 min
 Lab File: VN087587.D
 Acq: 15 Aug 2025 17:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MOO-25-0226

Tgt Ion:	91	Resp:	14194
Ion	Ratio	Lower	Upper
91	100		
92	58.0	26.2	78.6
134	0.0	12.4	37.2#

