

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
 Data File : VN087589.D
 Acq On : 15 Aug 2025 17:51
 Operator : JC\MD
 Sample : Q2855-01
 Misc : 2.15g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 #454

Quant Time: Aug 18 05:48:37 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)

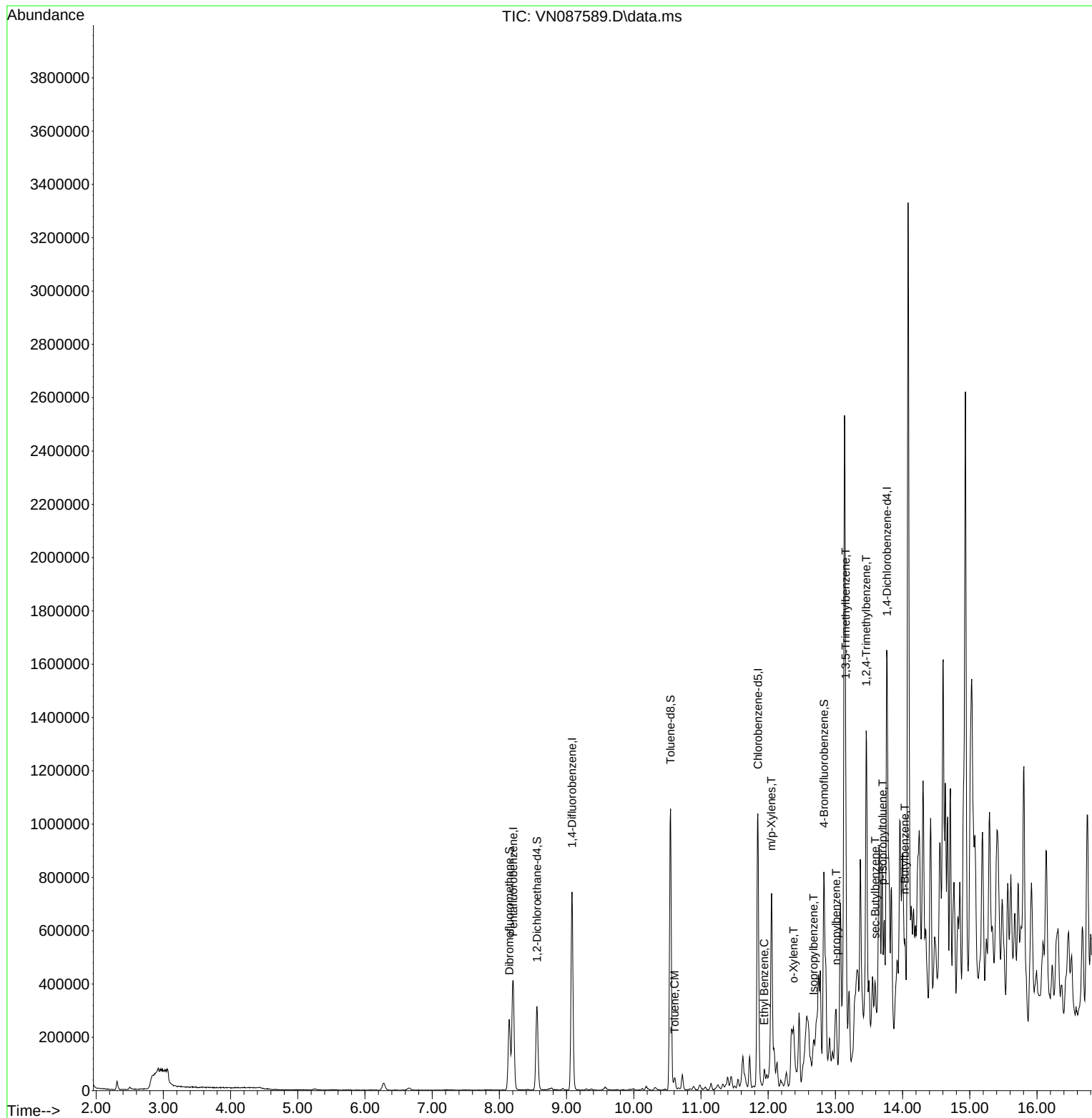
Internal Standards						
1) Pentafluorobenzene	8.206	168	287032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	625152	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	572339	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	279909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	262609	53.920	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.840%	
35) Dibromofluoromethane	8.147	113	188059	43.610	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 87.220%	
50) Toluene-d8	10.547	98	694916	45.176	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 90.360%	
62) 4-Bromofluorobenzene	12.829	95	241235	42.448	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 84.900%	
Target Compounds						
					Qvalue	
52) Toluene	10.606	92	17558	1.569	ug/l	98
67) Ethyl Benzene	11.941	91	41735	1.973	ug/l	91
68) m/p-Xylenes	12.047	106	64235	8.109	ug/l	99
69) o-Xylene	12.376	106	37659	4.977	ug/l	92
73) Isopropylbenzene	12.676	105	27562	1.565	ug/l	95
78) n-propylbenzene	13.012	91	120151	5.421	ug/l	97
80) 1,3,5-Trimethylbenzene	13.153	105	178283	11.878	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	694902	45.334	ug/l	96
85) sec-Butylbenzene	13.594	105	77604	4.110	ug/l	85
86) p-Isopropyltoluene	13.706	119	49406	3.265	ug/l	97
89) n-Butylbenzene	14.035	91	136683	9.459	ug/l #	81

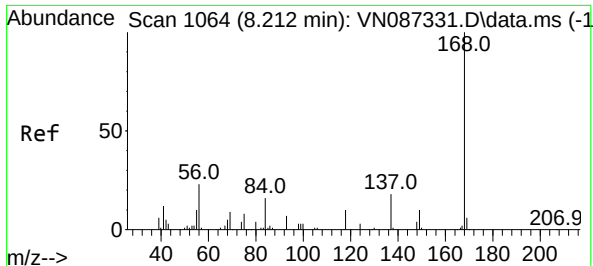
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081525\
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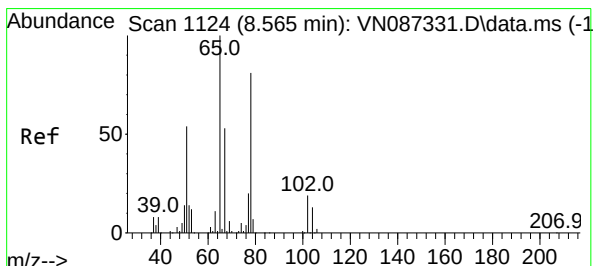
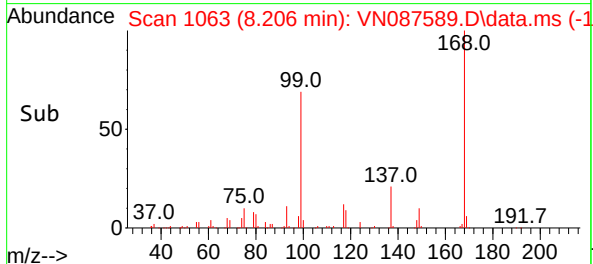
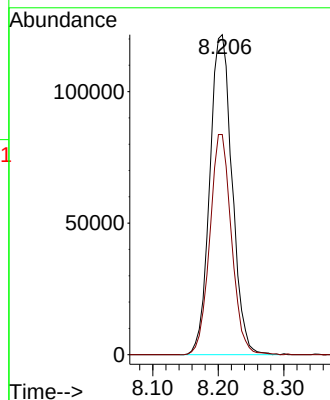
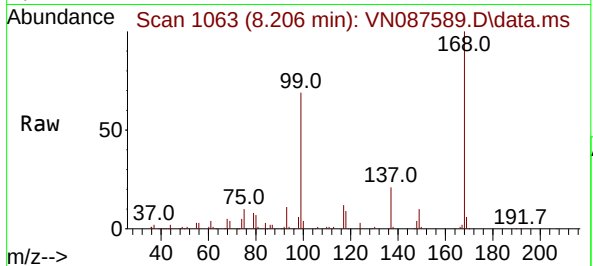




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VN087589.D
Acq: 15 Aug 2025 17:51

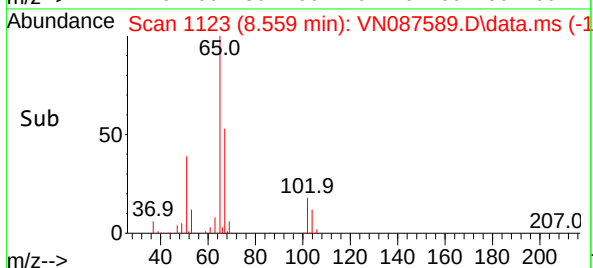
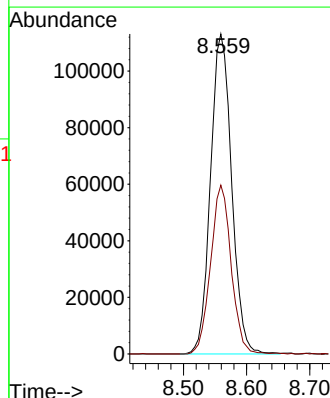
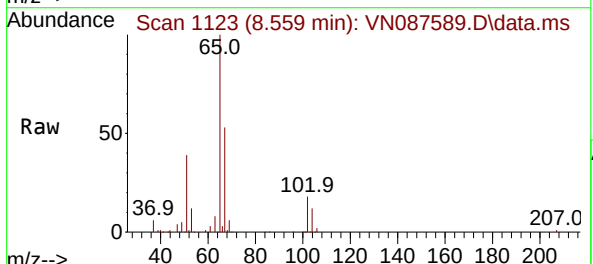
Instrument :
MSVOA_N
ClientSampleId :
#454

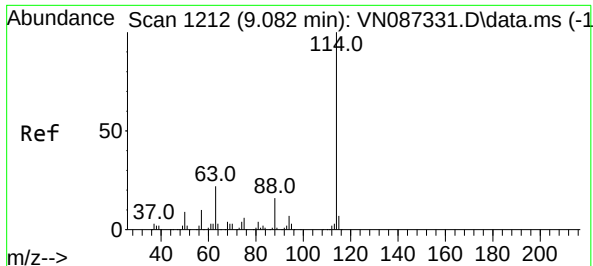
Tgt Ion:168 Resp: 287032
Ion Ratio Lower Upper
168 100
99 68.8 47.9 71.9



#33
1,2-Dichloroethane-d4
Concen: 53.920 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN087589.D
Acq: 15 Aug 2025 17:51

Tgt Ion: 65 Resp: 262609
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN087589.D

Acq: 15 Aug 2025 17:51

Instrument :

MSVOA_N

ClientSampleId :

#454

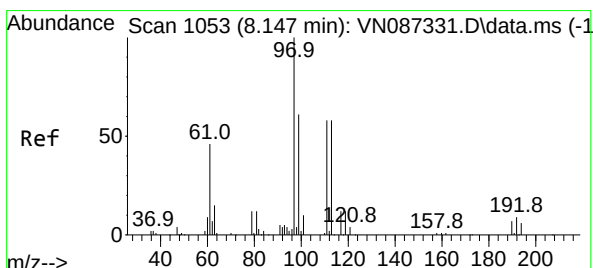
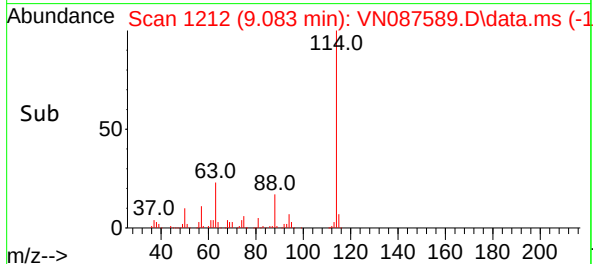
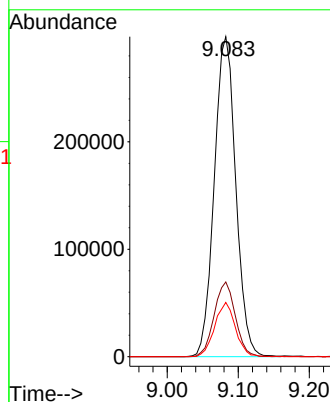
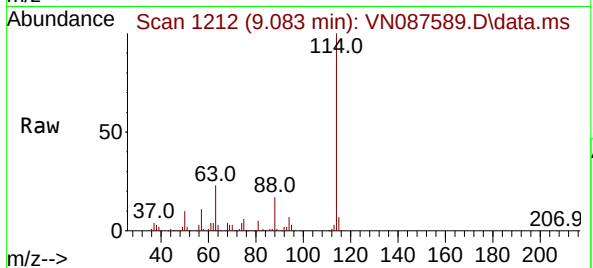
Tgt Ion:114 Resp: 625152

Ion Ratio Lower Upper

114 100

63 23.4 0.0 44.6

88 16.9 0.0 32.8



#35

Dibromofluoromethane

Concen: 43.610 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VN087589.D

Acq: 15 Aug 2025 17:51

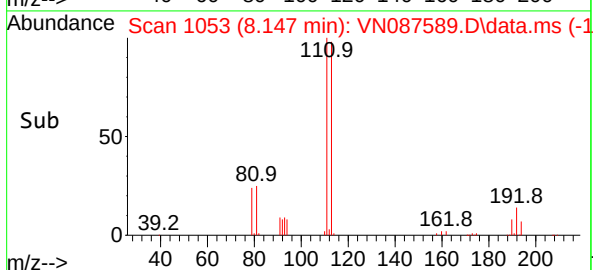
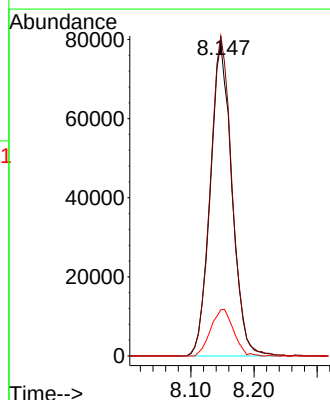
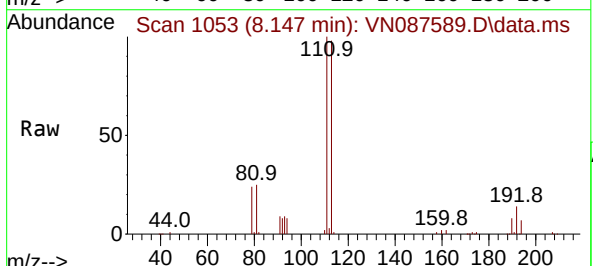
Tgt Ion:113 Resp: 188059

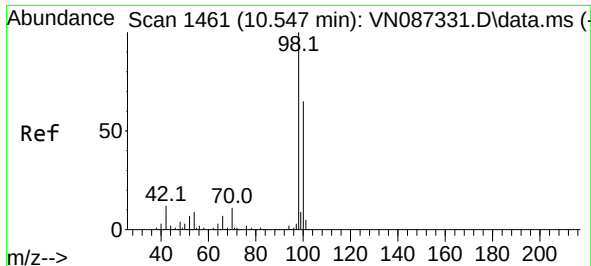
Ion Ratio Lower Upper

113 100

111 102.8 82.5 123.7

192 15.7 13.7 20.5

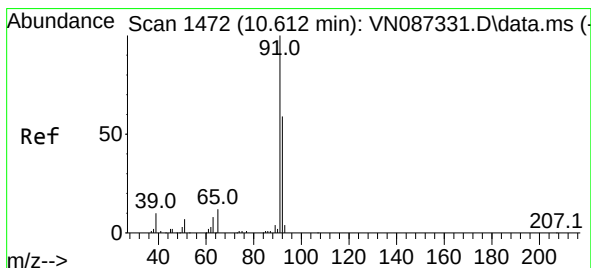
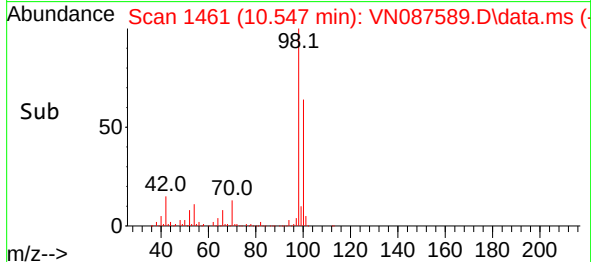
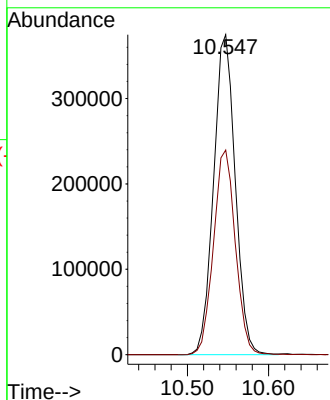
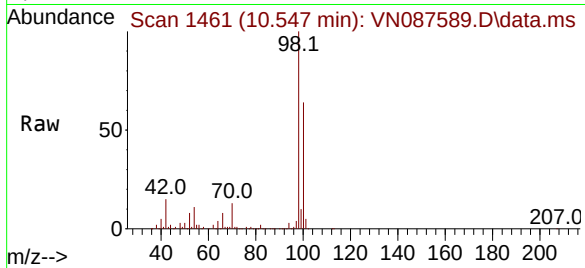




#50
Toluene-d8
Concen: 45.176 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087589.D
Acq: 15 Aug 2025 17:51

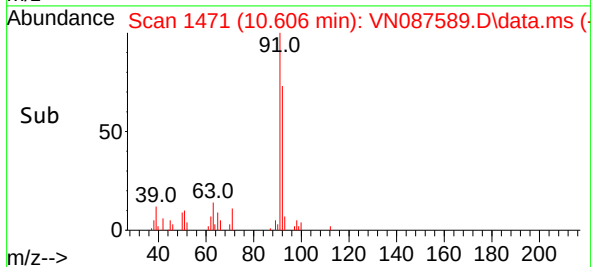
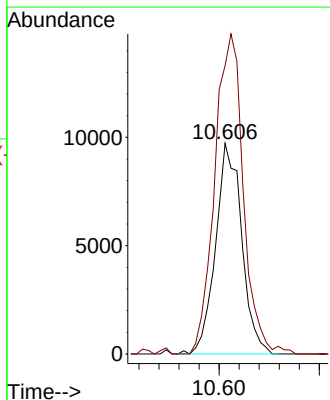
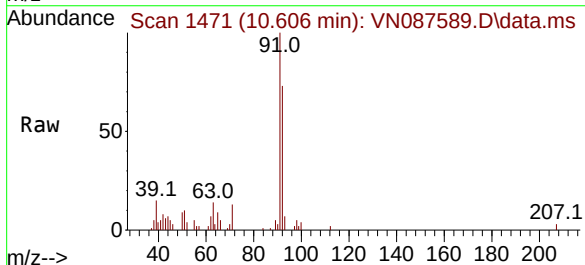
Instrument :
MSVOA_N
ClientSampleId :
#454

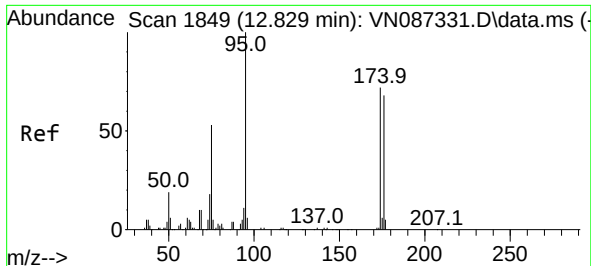
Tgt Ion: 98 Resp: 694916
Ion Ratio Lower Upper
98 100
100 64.6 52.1 78.1



#52
Toluene
Concen: 1.569 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VN087589.D
Acq: 15 Aug 2025 17:51

Tgt Ion: 92 Resp: 17558
Ion Ratio Lower Upper
92 100
91 166.7 135.1 202.7

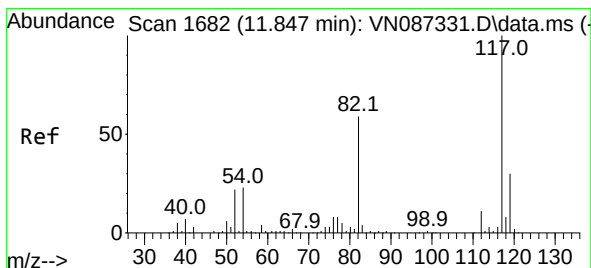
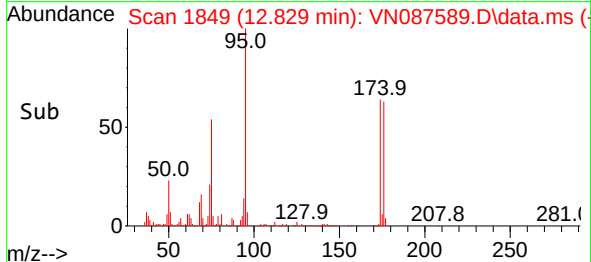
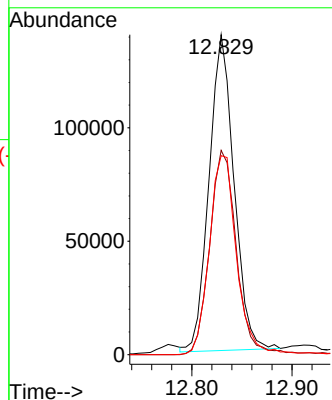
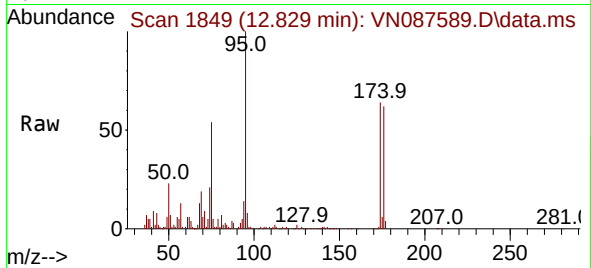




#62
4-Bromofluorobenzene
Concen: 42.448 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087589.D
Acq: 15 Aug 2025 17:51

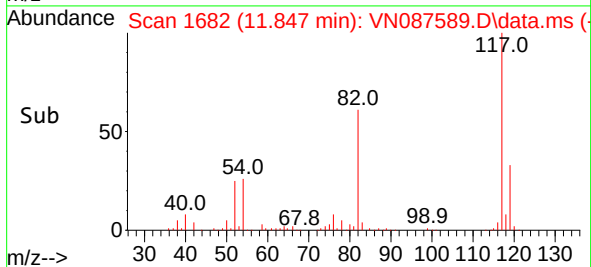
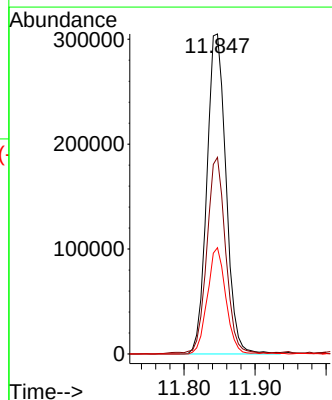
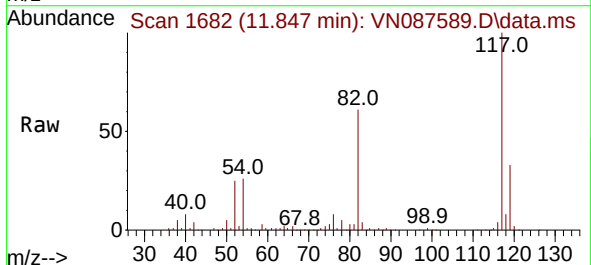
Instrument :
MSVOA_N
ClientSampleId :
#454

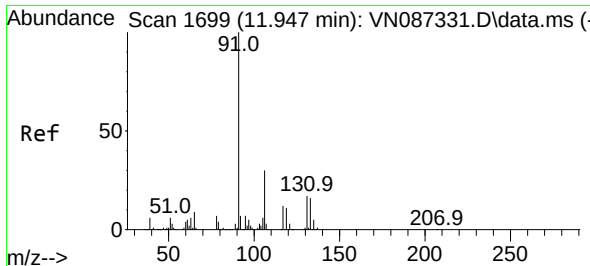
Tgt Ion: 95 Resp: 241235
Ion Ratio Lower Upper
95 100
174 69.5 0.0 149.4
176 69.1 0.0 141.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087589.D
Acq: 15 Aug 2025 17:51

Tgt Ion: 117 Resp: 572339
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.2
119 33.2 23.8 35.8

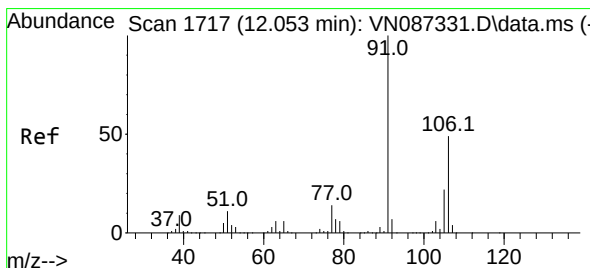
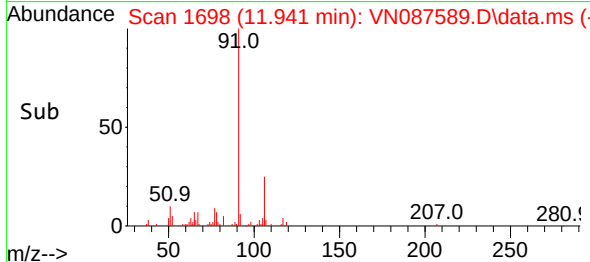
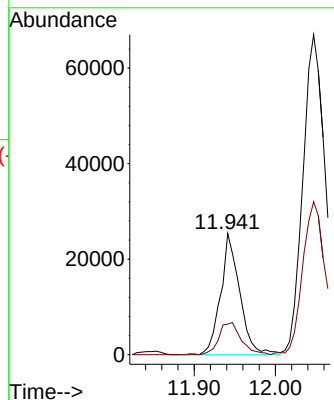
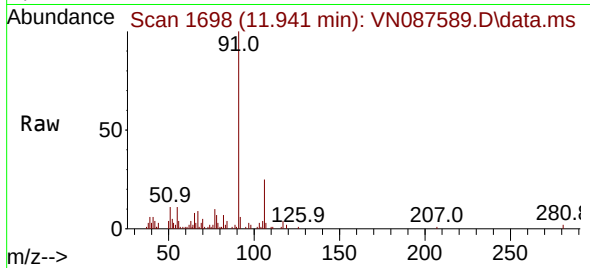




#67
Ethyl Benzene
Concen: 1.973 ug/l
RT: 11.941 min Scan# 1194
Delta R.T. -0.006 min
Lab File: VN087589.D
Acq: 15 Aug 2025 17:51

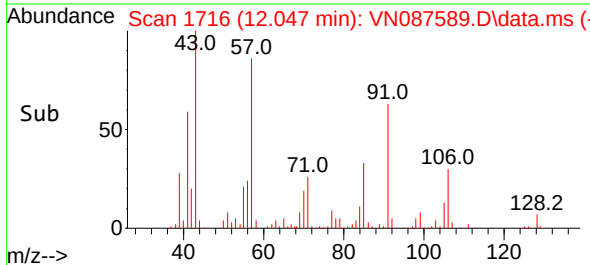
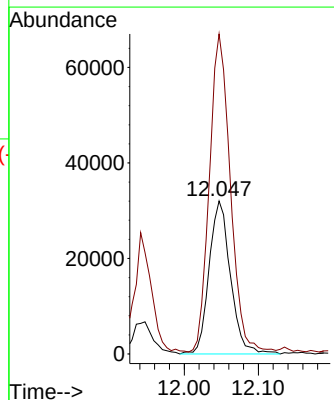
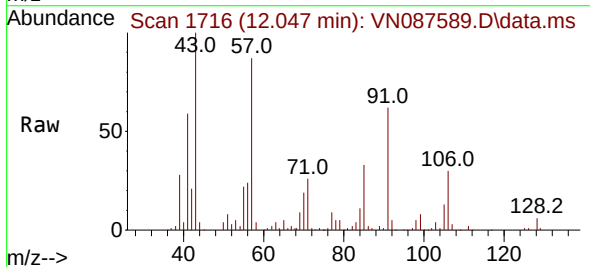
Instrument :
MSVOA_N
ClientSampleId :
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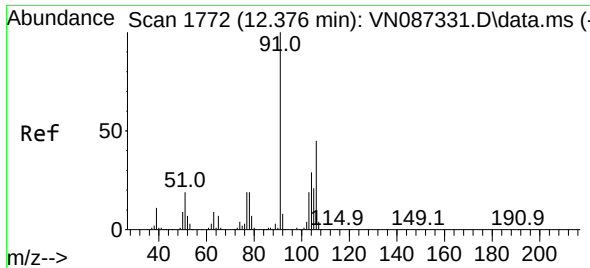
Tgt Ion: 91 Resp: 41735
Ion Ratio Lower Upper
91 100
106 25.2 24.3 36.5



#68
m/p-Xylenes
Concen: 8.109 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN087589.D
Acq: 15 Aug 2025 17:51

Tgt Ion:106 Resp: 64235
Ion Ratio Lower Upper
106 100
91 203.4 162.0 243.0

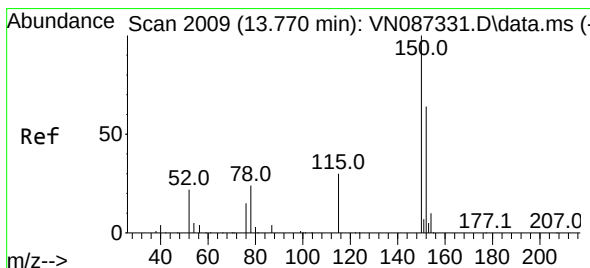
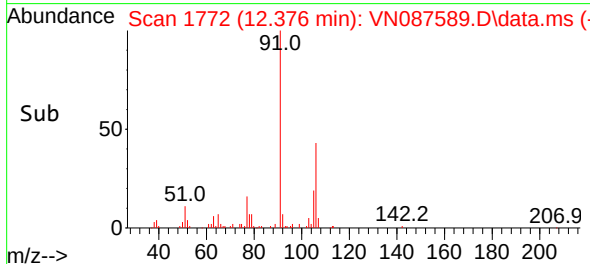
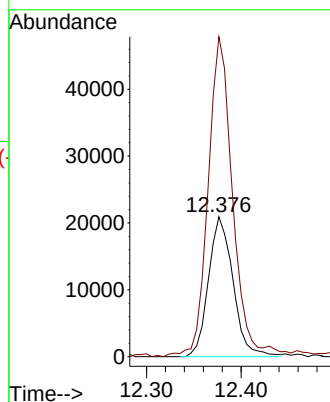
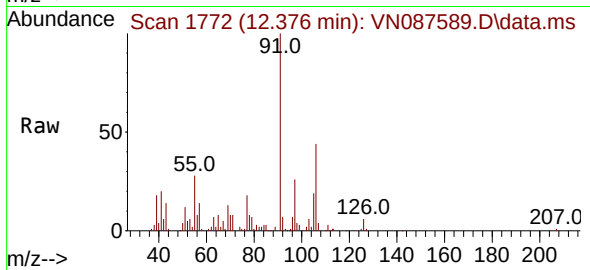




#69
o-Xylene
Concen: 4.977 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087589.D
Acq: 15 Aug 2025 17:51

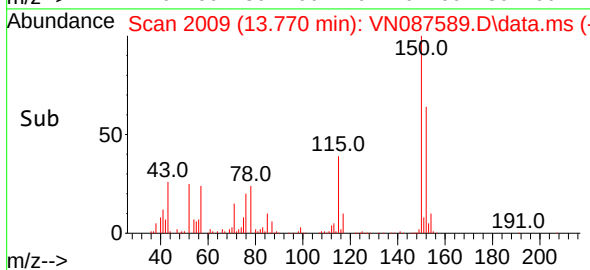
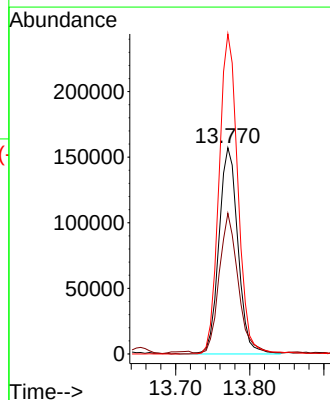
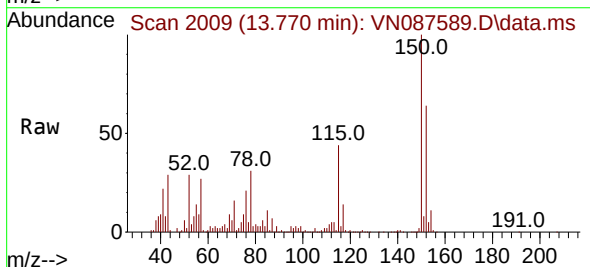
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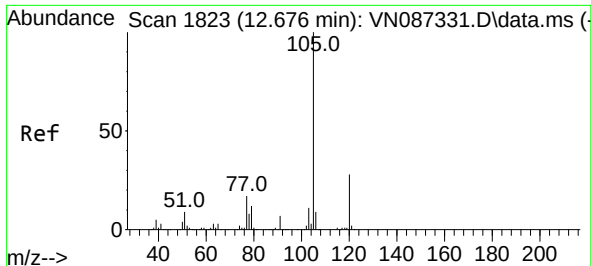
Tgt Ion:106 Resp: 37659
Ion Ratio Lower Upper
106 100
91 228.9 107.7 323.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087589.D
Acq: 15 Aug 2025 17:51

Tgt Ion:152 Resp: 279909
Ion Ratio Lower Upper
152 100
115 67.0 31.1 93.5
150 154.3 0.0 349.0

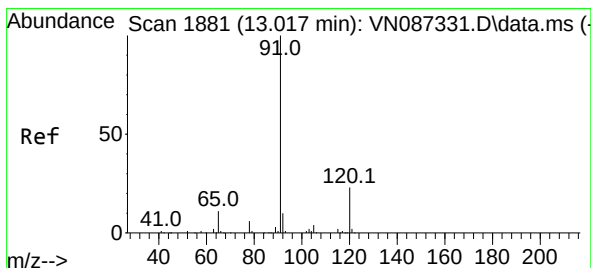
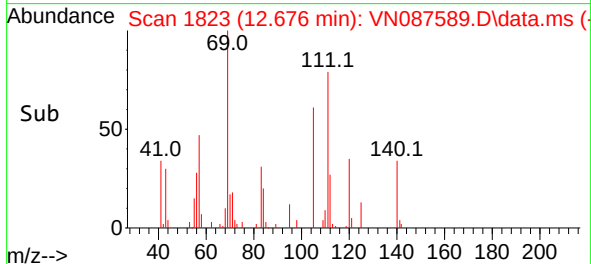
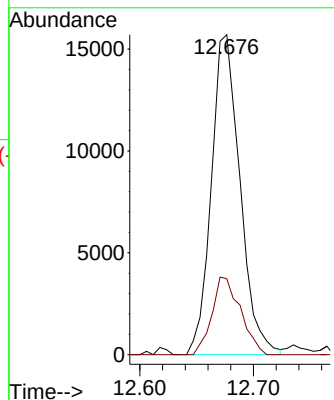
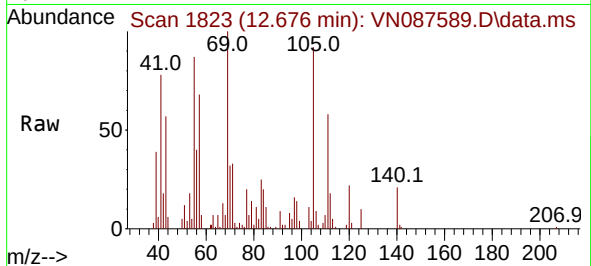




#73
Isopropylbenzene
Concen: 1.565 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.000 min
Lab File: VN087589.D
Acq: 15 Aug 2025 17:51

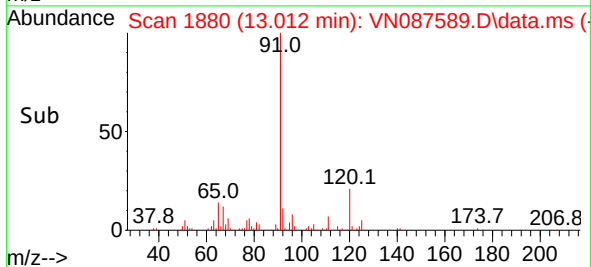
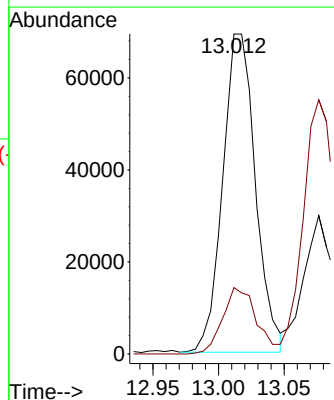
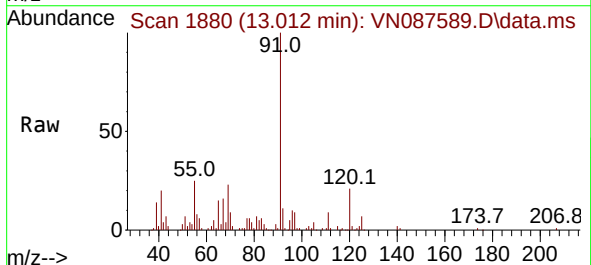
Instrument :
MSVOA_N
ClientSampleId :
#454

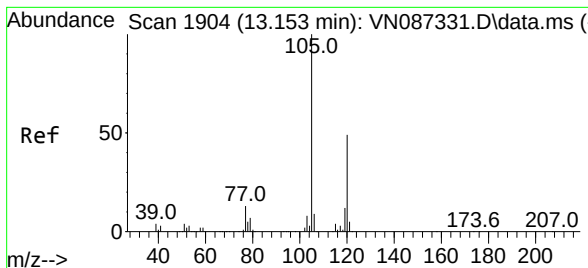
Tgt Ion:105 Resp: 27562
Ion Ratio Lower Upper
105 100
120 24.1 13.4 40.1



#78
n-propylbenzene
Concen: 5.421 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.006 min
Lab File: VN087589.D
Acq: 15 Aug 2025 17:51

Tgt Ion: 91 Resp: 120151
Ion Ratio Lower Upper
91 100
120 21.1 11.3 33.8

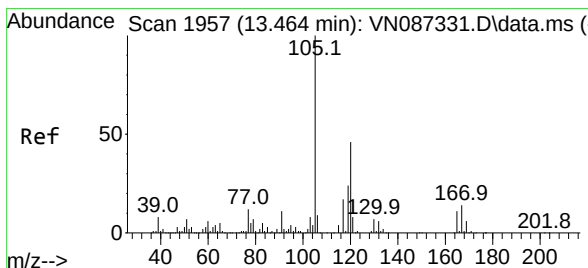
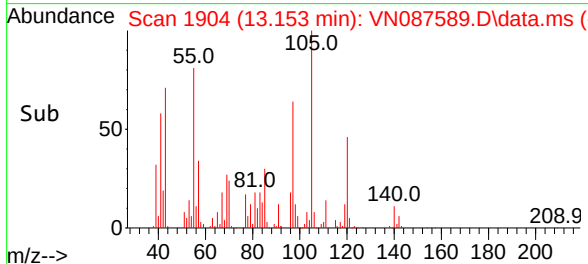
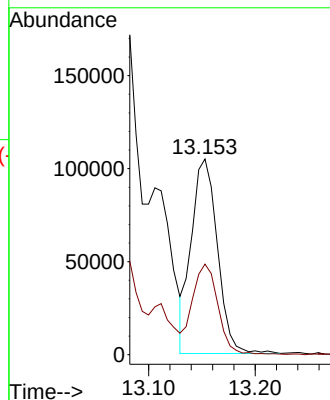
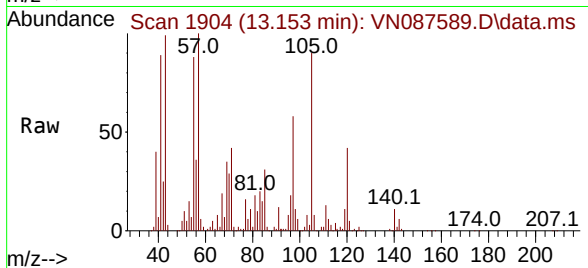




#80
 1,3,5-Trimethylbenzene
 Concen: 11.878 ug/l
 RT: 13.153 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VN087589.D
 Acq: 15 Aug 2025 17:51

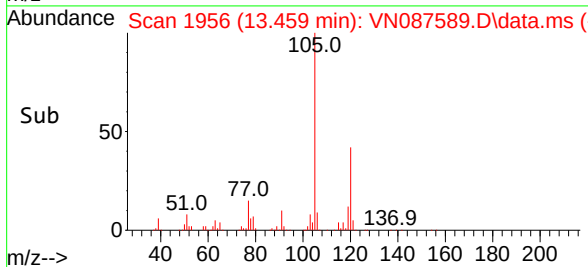
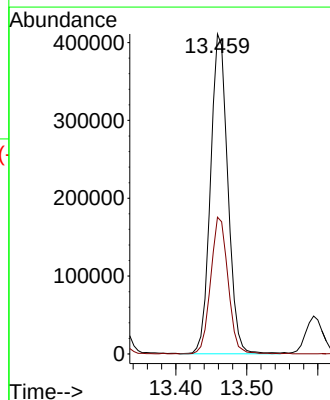
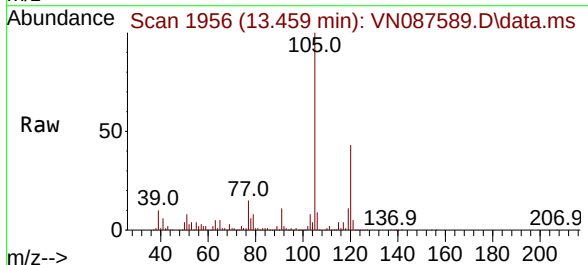
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 ClientSampleId : #454

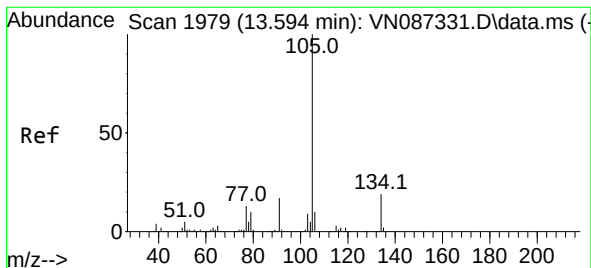
Tgt Ion:105 Resp: 178283
 Ion Ratio Lower Upper
 105 100
 120 46.3 24.3 72.8



#84
 1,2,4-Trimethylbenzene
 Concen: 45.334 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. -0.006 min
 Lab File: VN087589.D
 Acq: 15 Aug 2025 17:51

Tgt Ion:105 Resp: 694902
 Ion Ratio Lower Upper
 105 100
 120 42.8 22.8 68.3





#85

sec-Butylbenzene

Concen: 4.110 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VN087589.D

Acq: 15 Aug 2025 17:51

Instrument :

MSVOA_N

ClientSampleId :

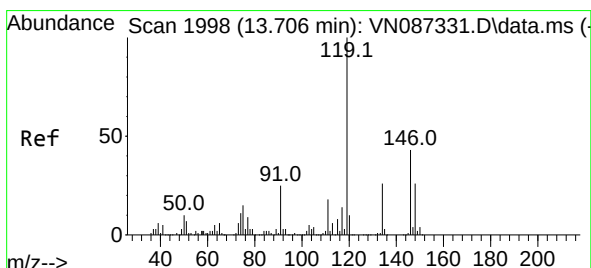
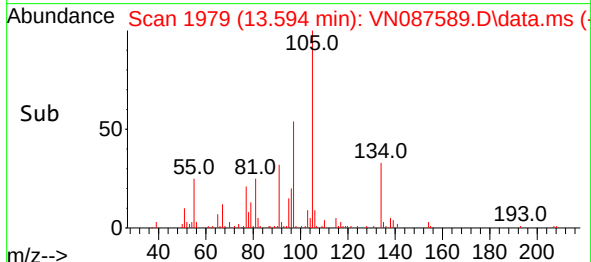
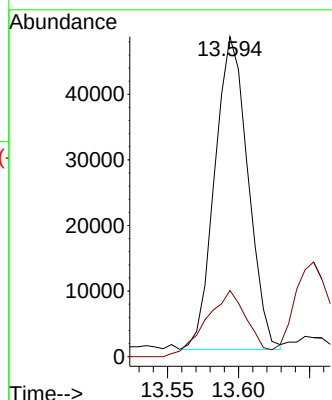
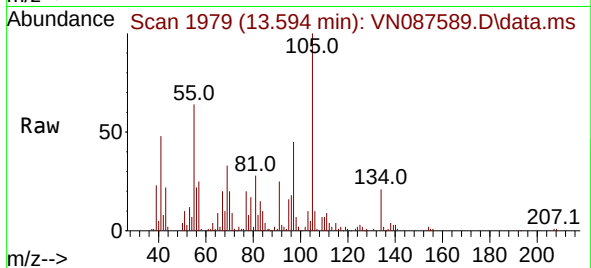
#454

Tgt Ion:105 Resp: 77604

Ion Ratio Lower Upper

105 100

134 26.2 9.8 29.4



#86

p-Isopropyltoluene

Concen: 3.265 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. 0.000 min

Lab File: VN087589.D

Acq: 15 Aug 2025 17:51

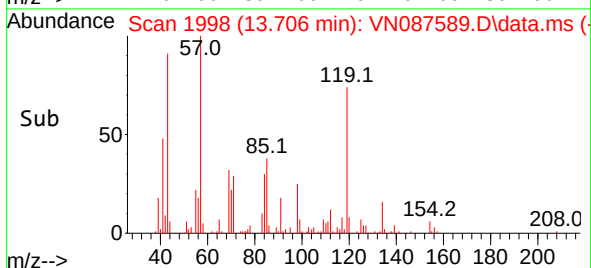
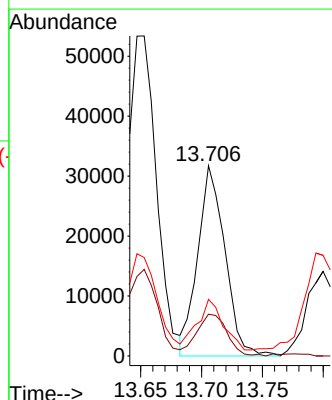
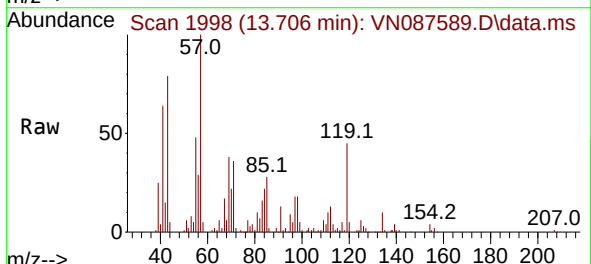
Tgt Ion:119 Resp: 49406

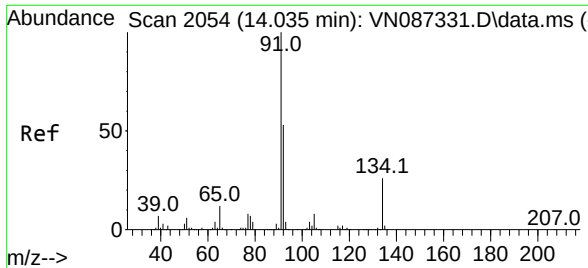
Ion Ratio Lower Upper

119 100

134 24.4 13.5 40.5

91 25.2 12.2 36.6





#89
 n-Butylbenzene
 Concen: 9.459 ug/l
 RT: 14.035 min Scan# 2054
 Delta R.T. 0.000 min
 Lab File: VN087589.D
 Acq: 15 Aug 2025 17:51

Instrument :
 MSVOA_N
 ClientSampleId :
 #454

Tgt Ion:	91	Resp:	136683
Ion	Ratio	Lower	Upper
91	100		
92	56.0	26.2	78.6
134	0.0	12.4	37.2#

