

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087142.D
 Acq On : 20 Jun 2025 16:11
 Operator : JC\MD
 Sample : Q2354-01 20X
 Misc : 3.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3321

Quant Time: Jun 20 23:09:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

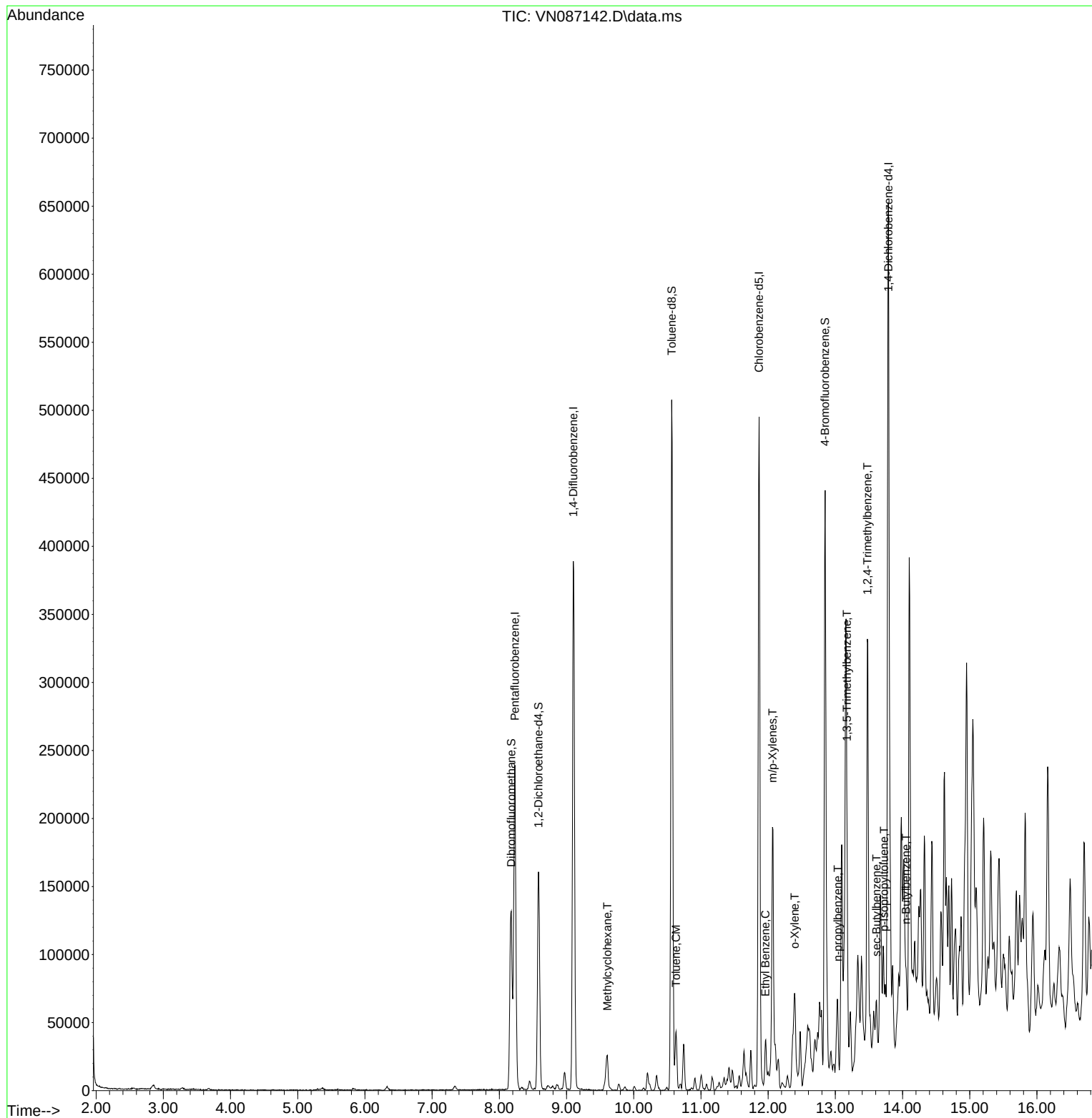
Internal Standards						
1) Pentafluorobenzene	8.230	168	179271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	370766	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	174421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	129562	53.979	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.960%	
35) Dibromofluoromethane	8.177	113	105316	47.931	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.860%	
50) Toluene-d8	10.565	98	375291	43.145	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 86.300%	
62) 4-Bromofluorobenzene	12.847	95	167078	51.700	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.400%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.606	83	13478	3.005	ug/l	89
52) Toluene	10.630	92	19760	3.020	ug/l	98
67) Ethyl Benzene	11.959	91	25989	2.210	ug/l	98
68) m/p-Xylenes	12.065	106	35188	7.817	ug/l	99
69) o-Xylene	12.394	106	17012	3.946	ug/l	99
78) n-propylbenzene	13.035	91	37575	2.433	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	47687	4.546	ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	190795	18.137	ug/l	100
85) sec-Butylbenzene	13.612	105	19108	1.370	ug/l	86
86) p-Isopropyltoluene	13.723	119	11640	1.010	ug/l	95
89) n-Butylbenzene	14.053	91	28906	2.589	ug/l #	82

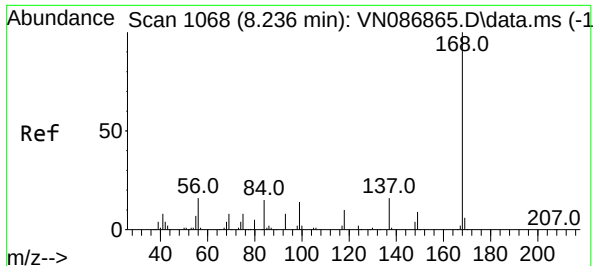
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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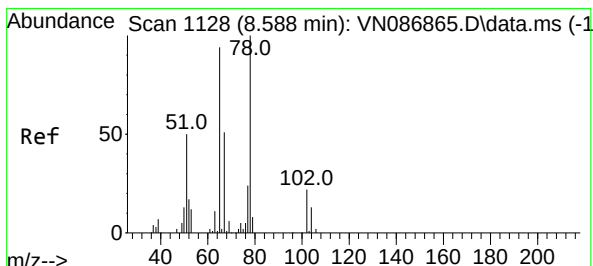
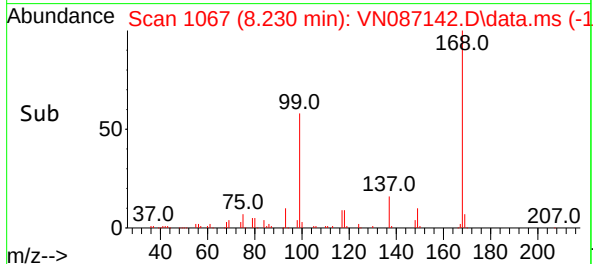
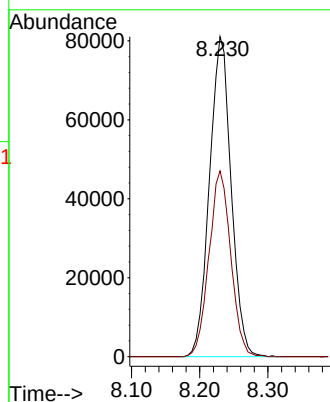
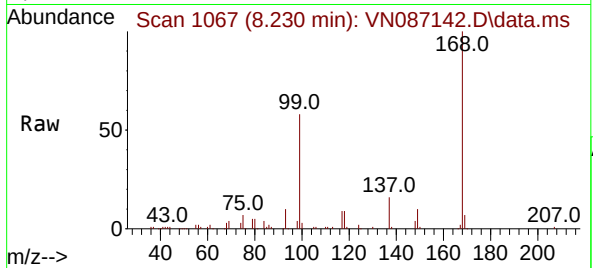




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.006 min
Lab File: VN087142.D
Acq: 20 Jun 2025 16:11

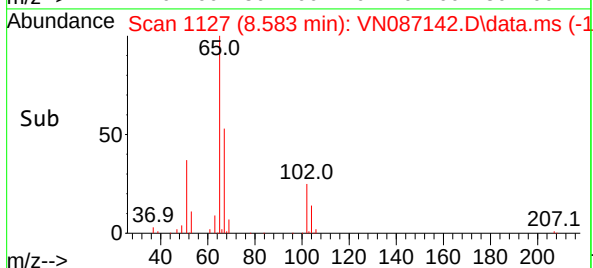
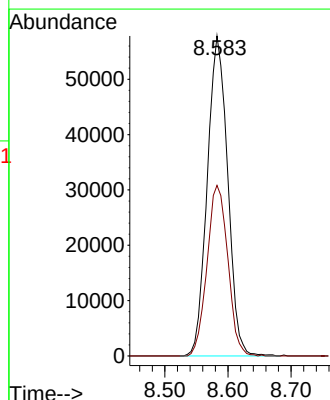
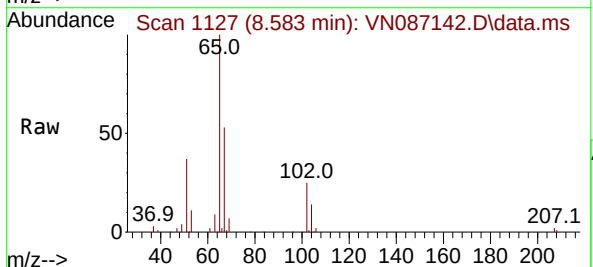
Instrument :
MSVOA_N
ClientSampleId :
3321

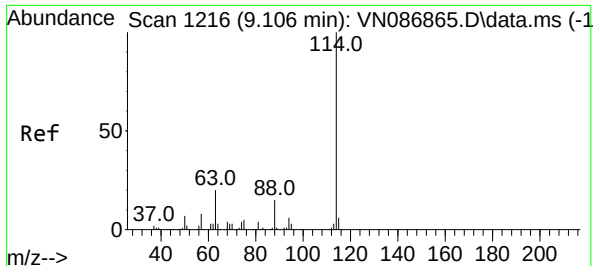
Tgt Ion:168 Resp: 179271
Ion Ratio Lower Upper
168 100
99 58.0 49.1 73.7



#33
1,2-Dichloroethane-d4
Concen: 53.979 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087142.D
Acq: 20 Jun 2025 16:11

Tgt Ion: 65 Resp: 129562
Ion Ratio Lower Upper
65 100
67 54.4 0.0 105.6

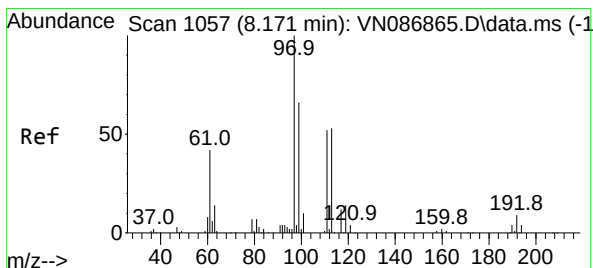
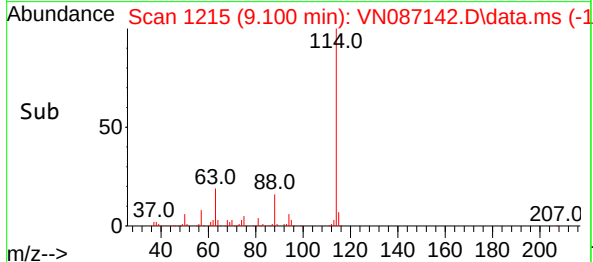
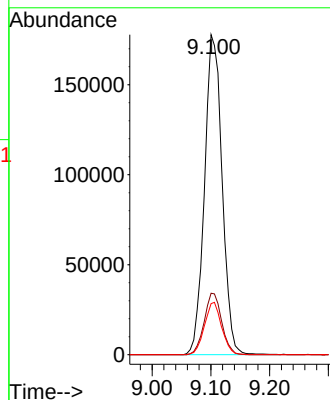
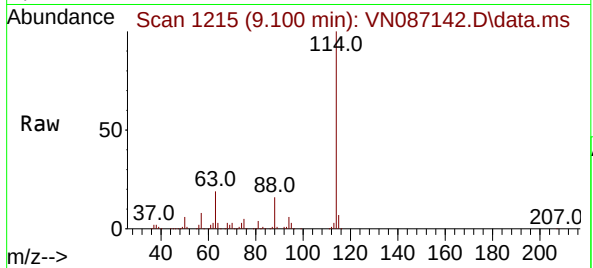




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN087142.D
Acq: 20 Jun 2025 16:11

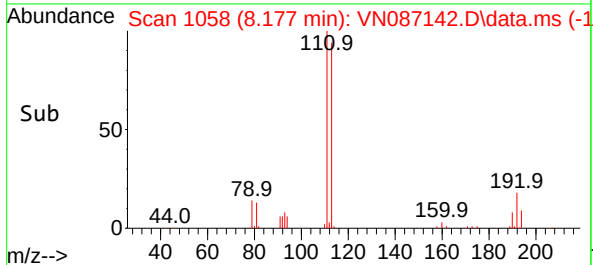
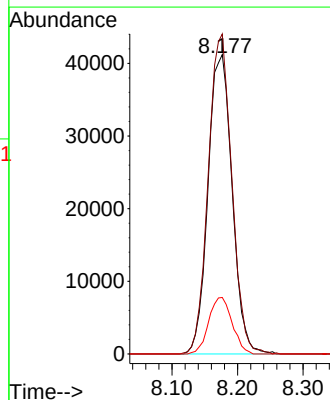
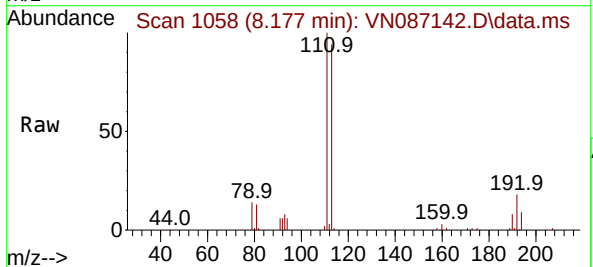
Instrument :
MSVOA_N
ClientSampleId :
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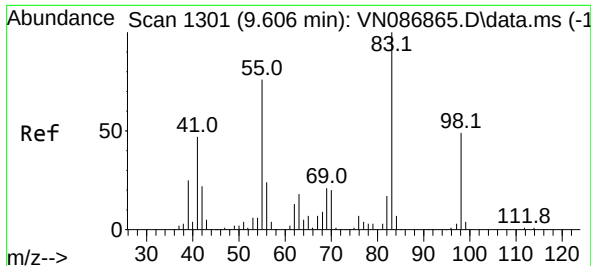
Tgt Ion:114 Resp: 370766
Ion Ratio Lower Upper
114 100
63 19.2 0.0 39.6
88 15.9 0.0 30.2



#35
Dibromofluoromethane
Concen: 47.931 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087142.D
Acq: 20 Jun 2025 16:11

Tgt Ion:113 Resp: 105316
Ion Ratio Lower Upper
113 100
111 104.4 84.2 126.2
192 18.3 14.2 21.4





#39

Methylcyclohexane

Concen: 3.005 ug/l

RT: 9.606 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN087142.D

Acq: 20 Jun 2025 16:11

Instrument :

MSVOA_N

ClientSampleId :

3321

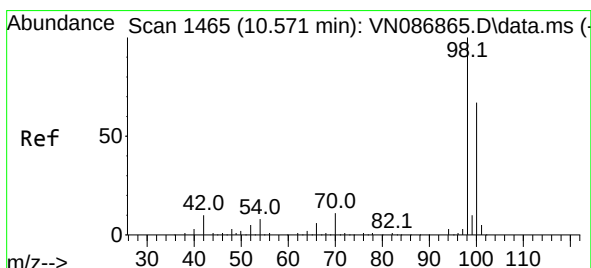
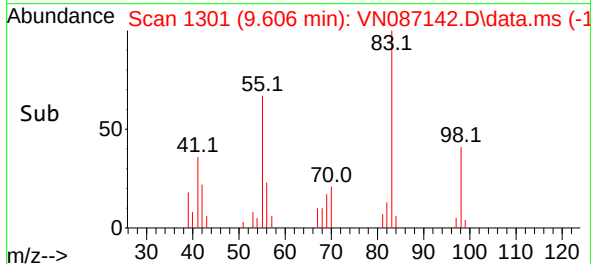
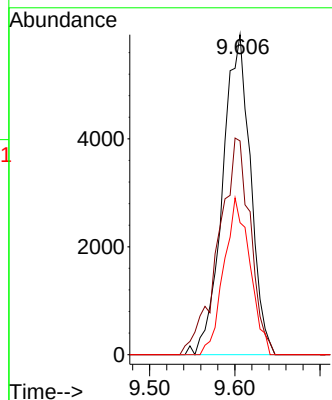
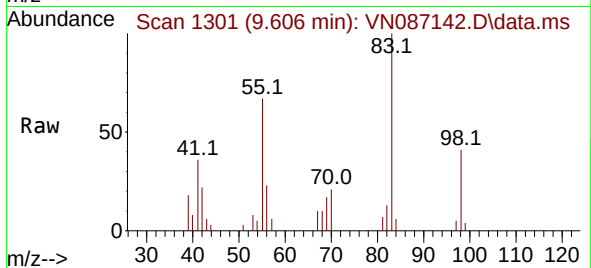
Tgt Ion: 83 Resp: 13478

Ion Ratio Lower Upper

83 100

55 66.8 61.0 91.6

98 41.2 38.9 58.3



#50

Toluene-d8

Concen: 43.145 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087142.D

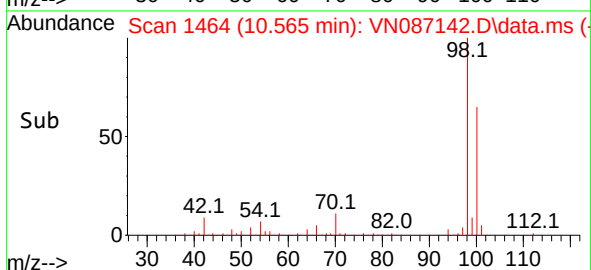
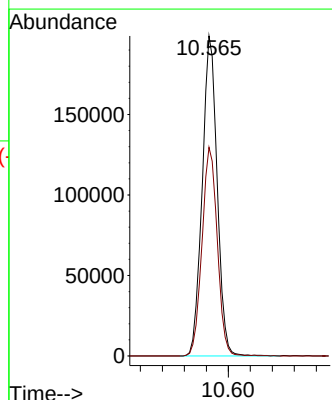
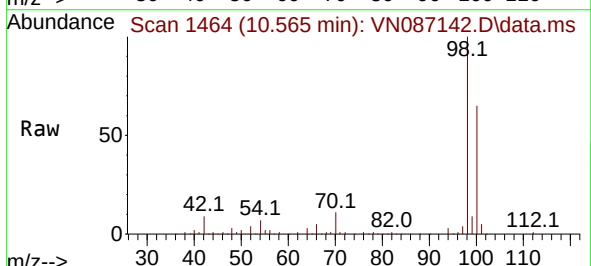
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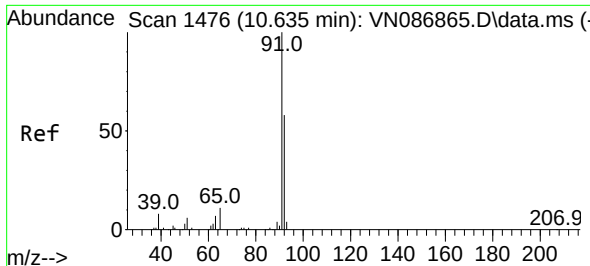
Tgt Ion: 98 Resp: 375291

Ion Ratio Lower Upper

98 100

100 66.5 53.4 80.0

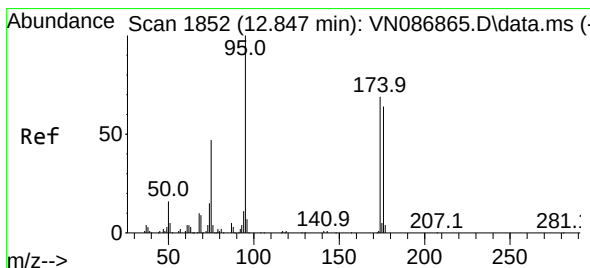
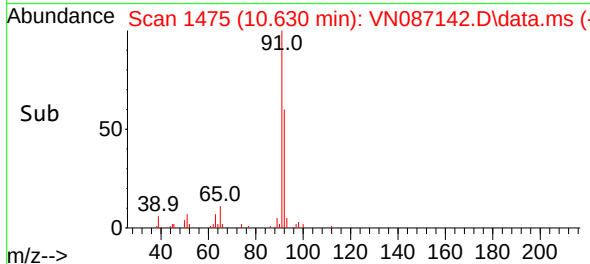
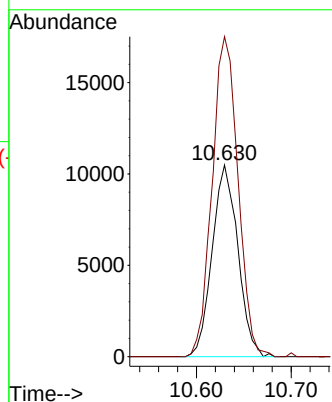
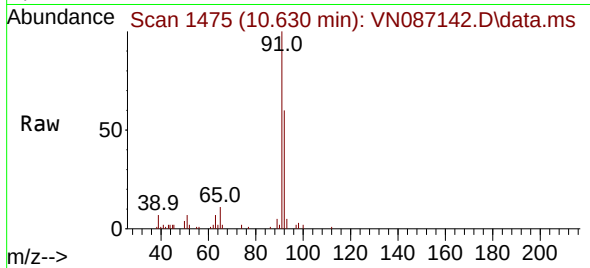




#52
Toluene
Concen: 3.020 ug/l
RT: 10.630 min Scan# 1476
Delta R.T. -0.006 min
Lab File: VN087142.D
Acq: 20 Jun 2025 16:11

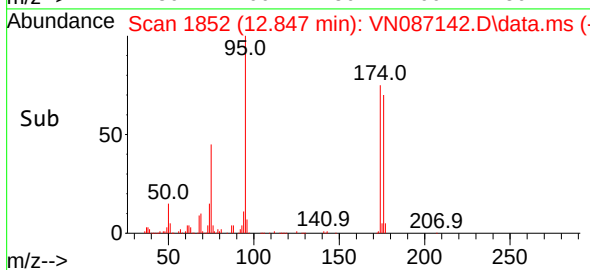
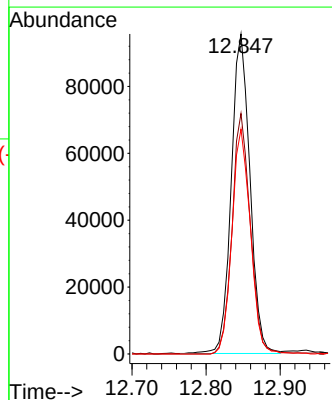
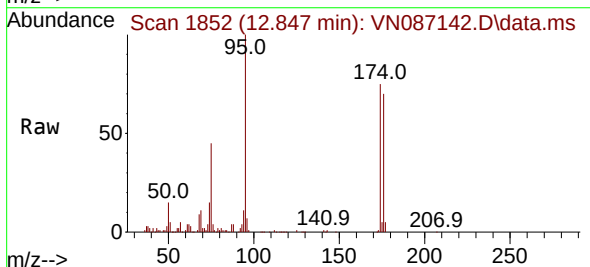
Instrument :
MSVOA_N
ClientSampleId :
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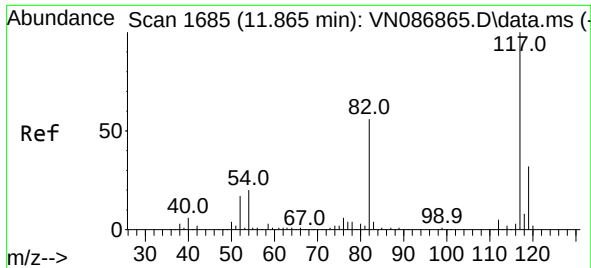
Tgt Ion: 92 Resp: 19760
Ion Ratio Lower Upper
92 100
91 168.3 136.5 204.7



#62
4-Bromofluorobenzene
Concen: 51.700 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087142.D
Acq: 20 Jun 2025 16:11

Tgt Ion: 95 Resp: 167078
Ion Ratio Lower Upper
95 100
174 73.3 0.0 141.8
176 69.8 0.0 132.6

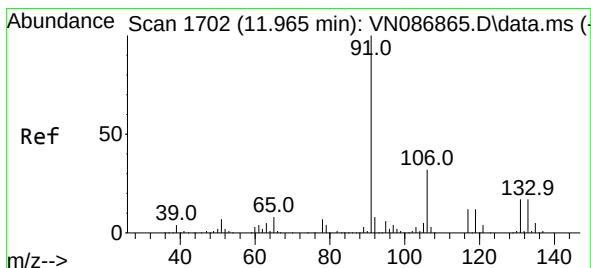
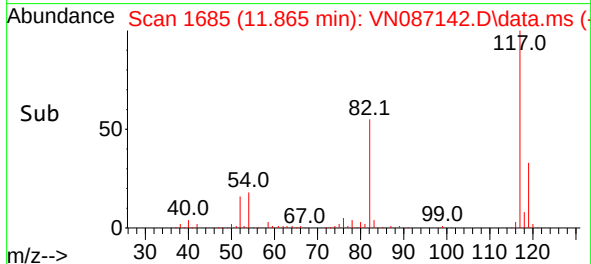
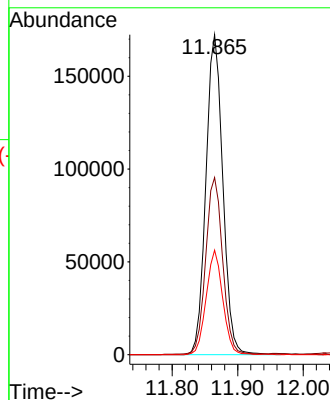
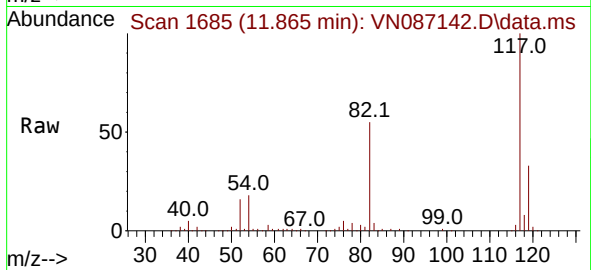




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087142.D
Acq: 20 Jun 2025 16:11

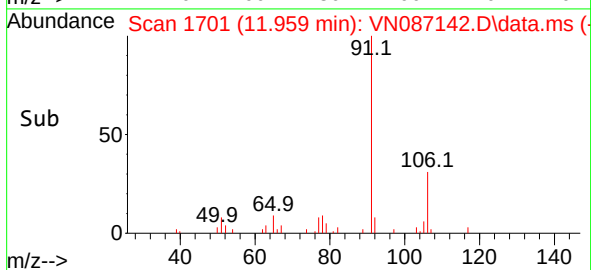
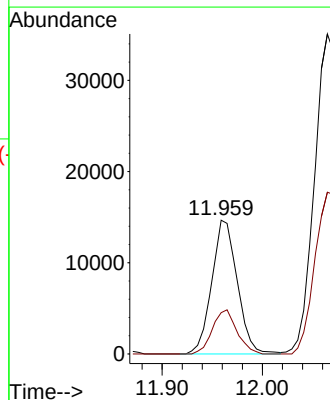
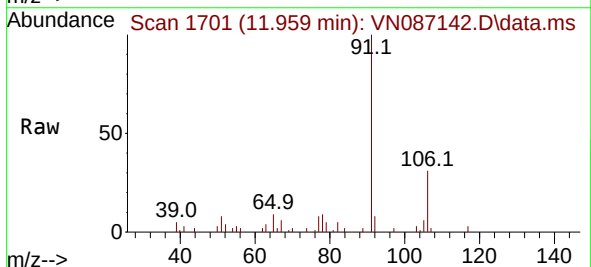
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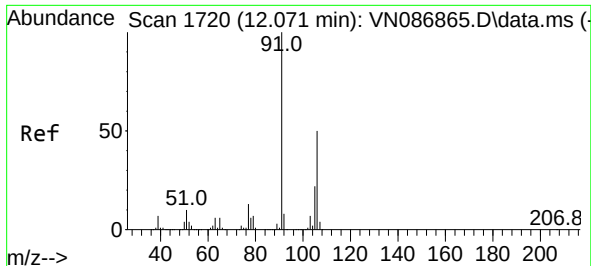
Tgt Ion:117 Resp: 309529
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 32.7 25.5 38.3



#67
Ethyl Benzene
Concen: 2.210 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN087142.D
Acq: 20 Jun 2025 16:11

Tgt Ion: 91 Resp: 25989
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.2

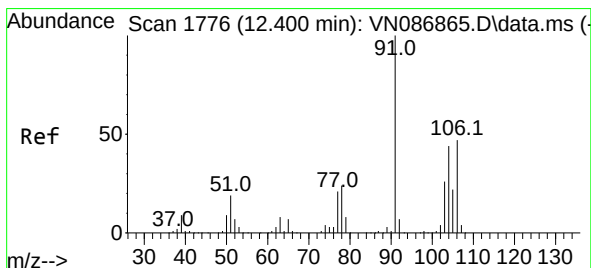
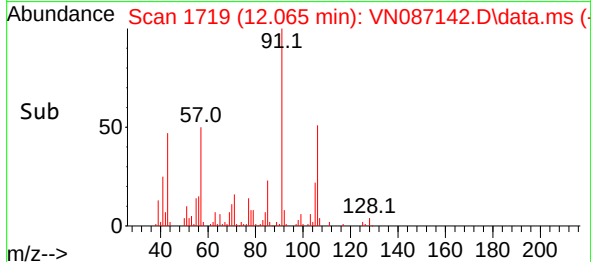
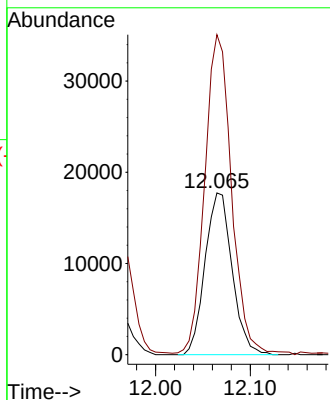
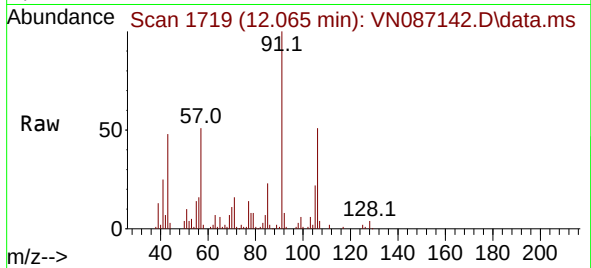




#68
m/p-Xylenes
Concen: 7.817 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN087142.D
Acq: 20 Jun 2025 16:11

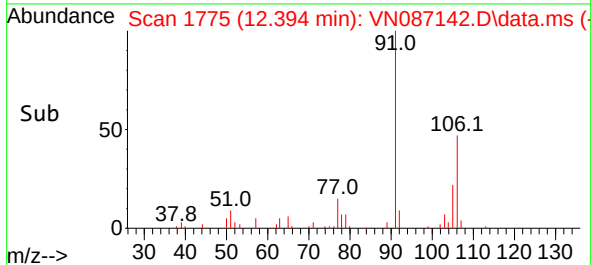
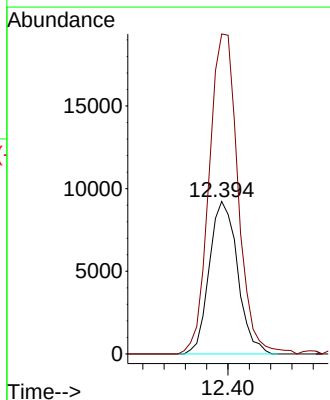
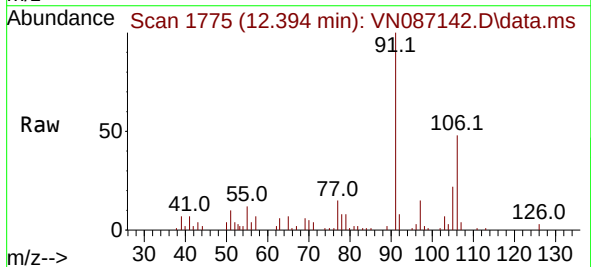
Instrument :
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ClientSampleId :
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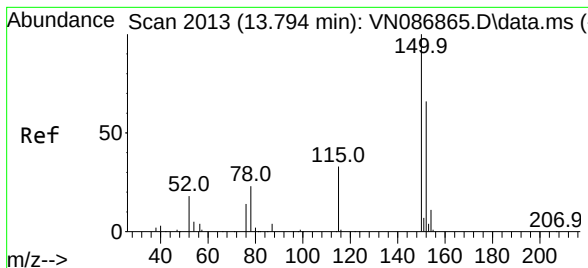
Tgt Ion:106 Resp: 35188
Ion Ratio Lower Upper
106 100
91 197.0 159.4 239.0



#69
o-Xylene
Concen: 3.946 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN087142.D
Acq: 20 Jun 2025 16:11

Tgt Ion:106 Resp: 17012
Ion Ratio Lower Upper
106 100
91 214.4 106.1 318.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2013

Delta R.T. -0.006 min

Lab File: VN087142.D

Acq: 20 Jun 2025 16:11

Instrument :

MSVOA_N

ClientSampleId :

3321

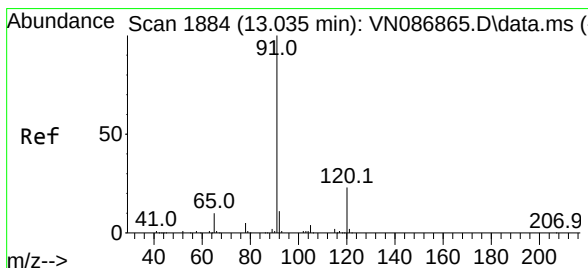
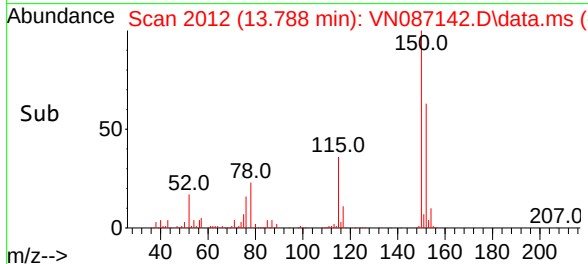
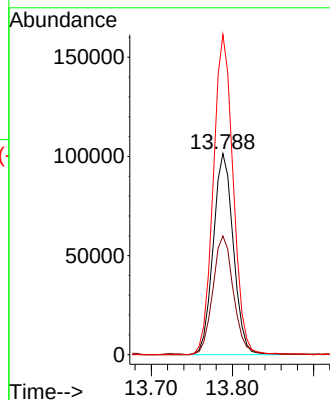
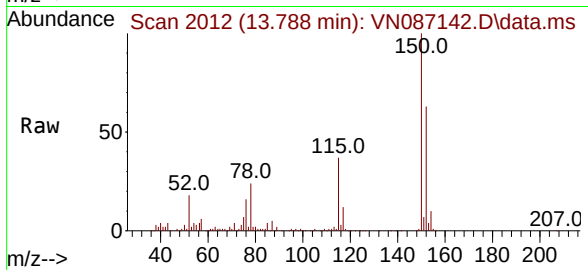
Tgt Ion:152 Resp: 174421

Ion Ratio Lower Upper

152 100

115 61.1 30.1 90.5

150 157.9 0.0 345.0



#78

n-propylbenzene

Concen: 2.433 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN087142.D

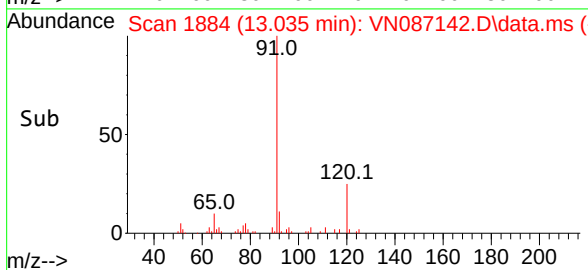
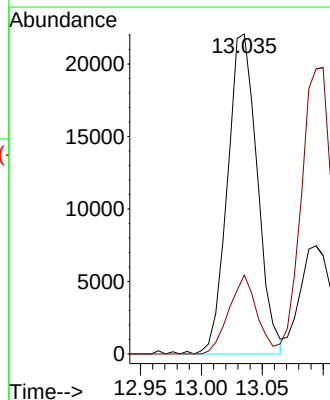
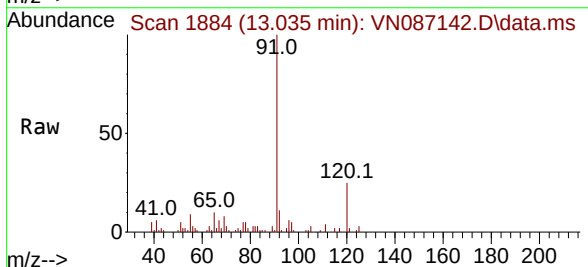
Acq: 20 Jun 2025 16:11

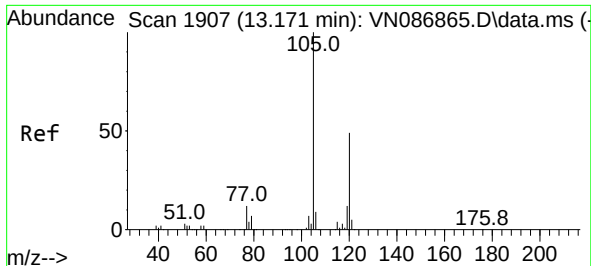
Tgt Ion: 91 Resp: 37575

Ion Ratio Lower Upper

91 100

120 22.9 11.4 34.2

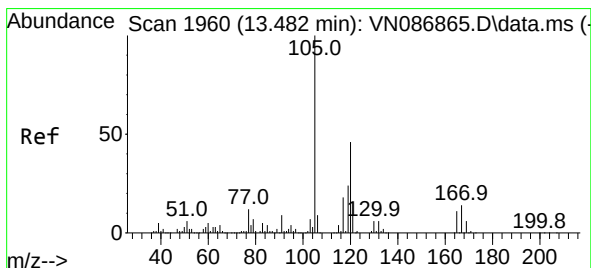
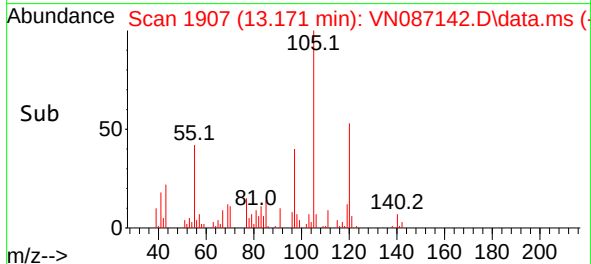
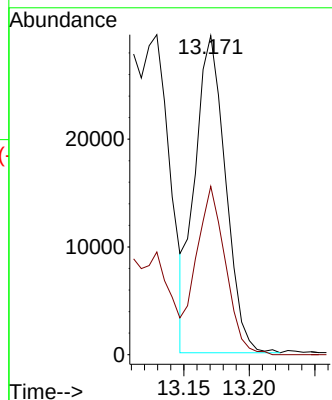
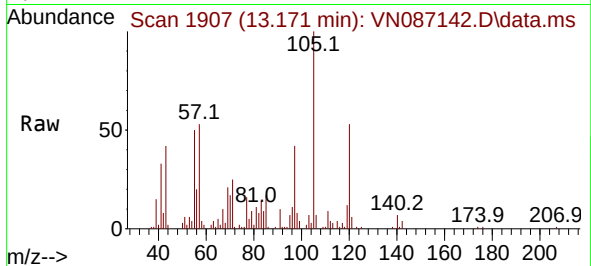




#80
 1,3,5-Trimethylbenzene
 Concen: 4.546 ug/l
 RT: 13.171 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VN087142.D
 Acq: 20 Jun 2025 16:11

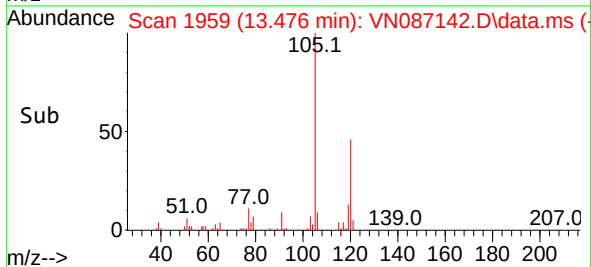
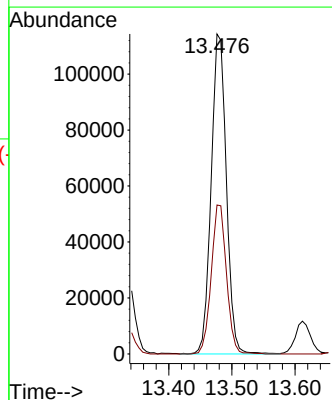
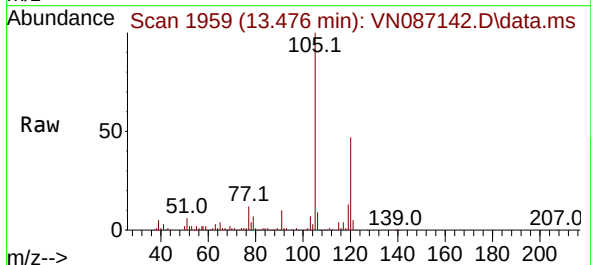
Instrument :
 MSVOA_N
 ClientSampleId :
 3321

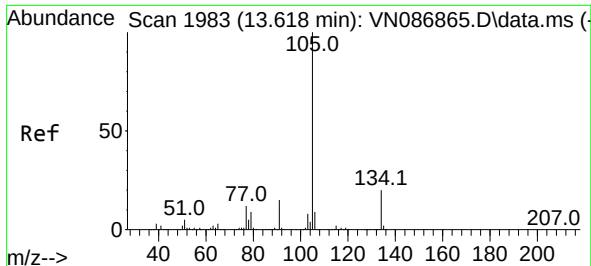
Tgt Ion:105 Resp: 47687
 Ion Ratio Lower Upper
 105 100
 120 50.9 24.9 74.6



#84
 1,2,4-Trimethylbenzene
 Concen: 18.137 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.006 min
 Lab File: VN087142.D
 Acq: 20 Jun 2025 16:11

Tgt Ion:105 Resp: 190795
 Ion Ratio Lower Upper
 105 100
 120 46.6 23.2 69.6

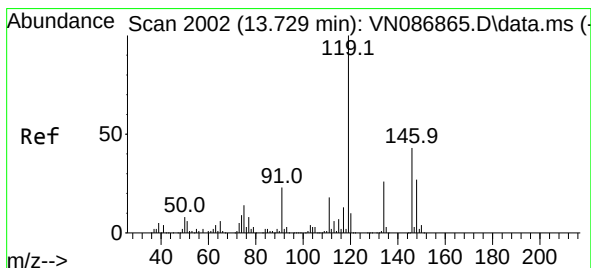
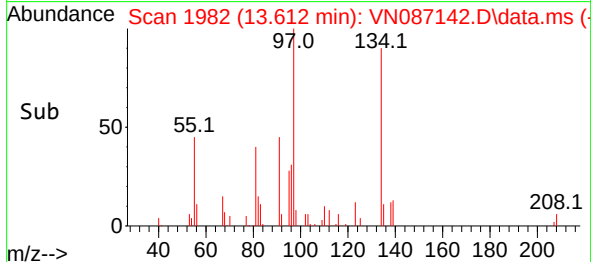
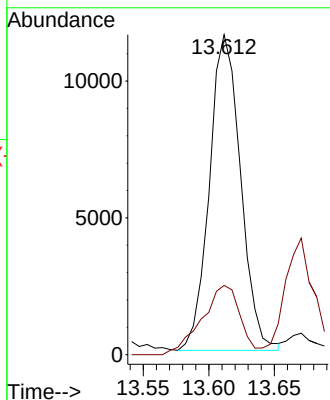
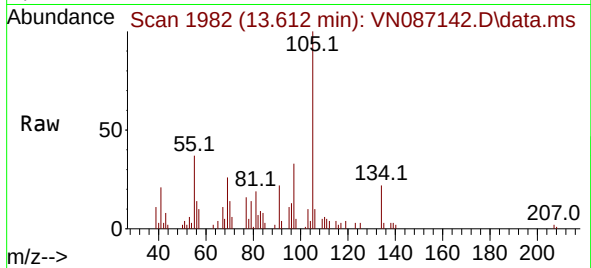




#85
 sec-Butylbenzene
 Concen: 1.370 ug/l
 RT: 13.612 min Scan# 1983
 Delta R.T. -0.006 min
 Lab File: VN087142.D
 Acq: 20 Jun 2025 16:11

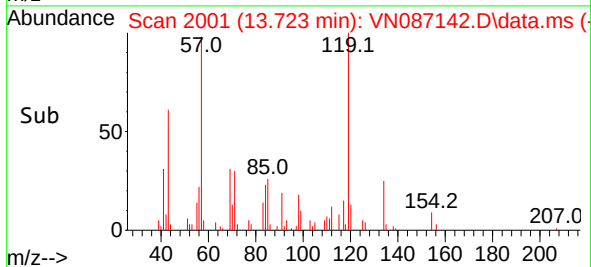
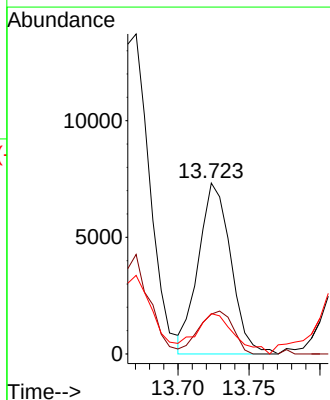
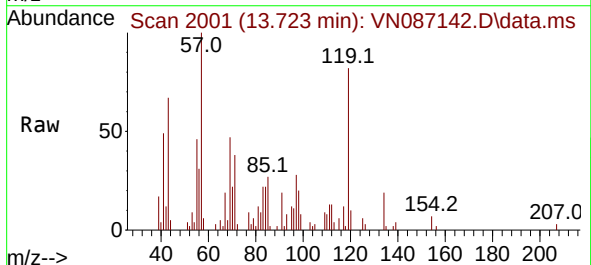
Instrument :
 MSVOA_N
 ClientSampleId :
 3321

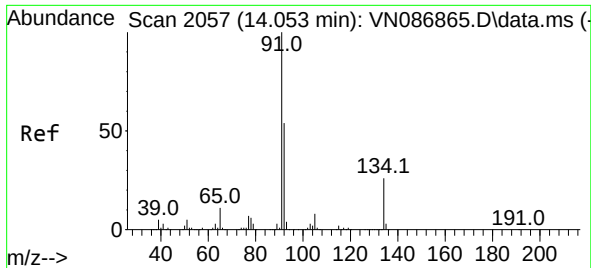
Tgt Ion:105 Resp: 19108
 Ion Ratio Lower Upper
 105 100
 134 26.6 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 1.010 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. -0.006 min
 Lab File: VN087142.D
 Acq: 20 Jun 2025 16:11

Tgt Ion:119 Resp: 11640
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.5 40.4
 91 27.5 11.5 34.4





#89

n-Butylbenzene

Concen: 2.589 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN087142.D

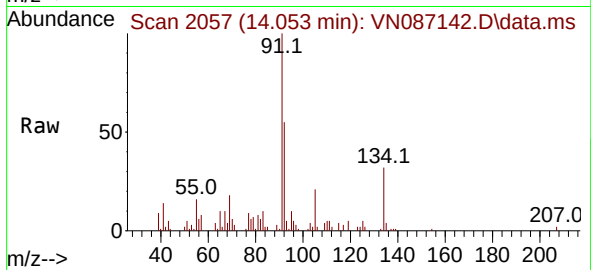
Acq: 20 Jun 2025 16:11

Instrument :

MSVOA_N

ClientSampleId :

3321



Tgt Ion:	91	Resp:	28906
Ion	Ratio	Lower	Upper
91	100		
92	56.3	27.5	82.4
134	0.0	13.0	39.0

