

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086988.D
 Acq On : 12 Jun 2025 19:18
 Operator : JC\MD
 Sample : Q2268-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2-20250605-A

Quant Time: Jun 13 01:33:02 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)

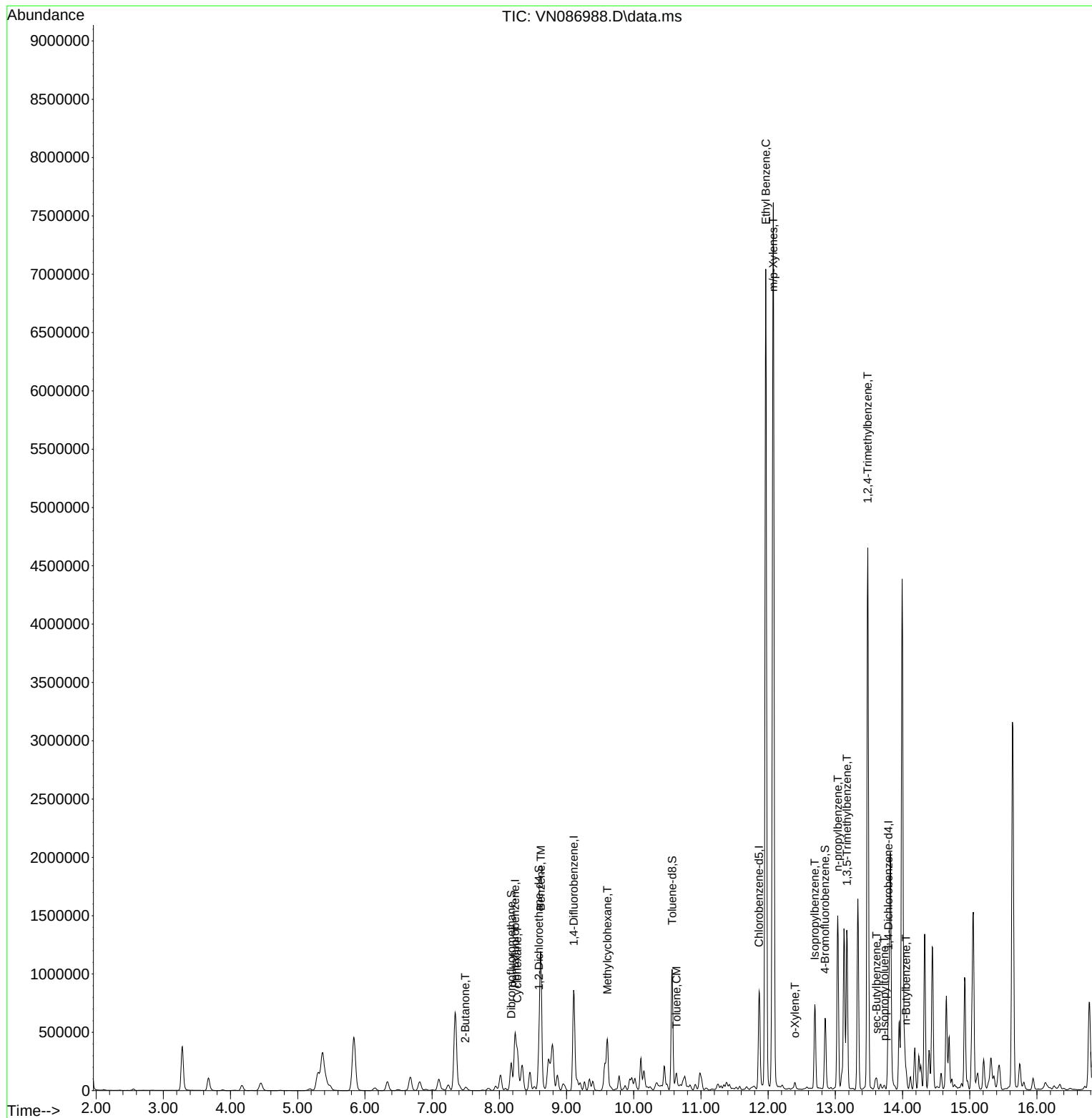
Internal Standards						
1) Pentafluorobenzene	8.236	168	287973	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	564200	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	499730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	234750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	199265	51.681	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.360%	
35) Dibromofluoromethane	8.177	113	170594	51.021	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.040%	
50) Toluene-d8	10.571	98	687658	51.952	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.900%	
62) 4-Bromofluorobenzene	12.847	95	244178	49.653	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.300%	
Target Compounds						
					Qvalue	
25) 2-Butanone	7.494	43	40924	12.313	ug/l	95
31) Cyclohexane	8.265	56	198668	31.769	ug/l #	93
39) Methylcyclohexane	9.606	83	210594	30.852	ug/l	99
40) Benzene	8.618	78	1248475	76.630	ug/l	100
52) Toluene	10.635	92	61225	6.149	ug/l	98
67) Ethyl Benzene	11.965	91	5368916	282.802	ug/l	99
68) m/p-Xylenes	12.076	106	2551247	351.056	ug/l	99
69) o-Xylene	12.400	106	17388	2.498	ug/l	97
73) Isopropylbenzene	12.694	105	515241	30.128	ug/l	100
78) n-propylbenzene	13.035	91	1260141	60.633	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	770291	54.555	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	2766381	195.386	ug/l	99
85) sec-Butylbenzene	13.612	105	63494m	3.383	ug/l	
86) p-Isopropyltoluene	13.729	119	15257	0.983	ug/l #	78
89) n-Butylbenzene	14.053	91	78347	5.213	ug/l #	81

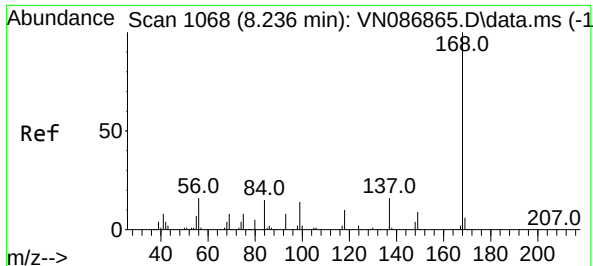
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 13 01:33:02 2025
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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

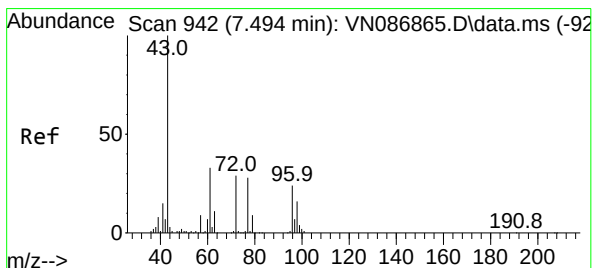
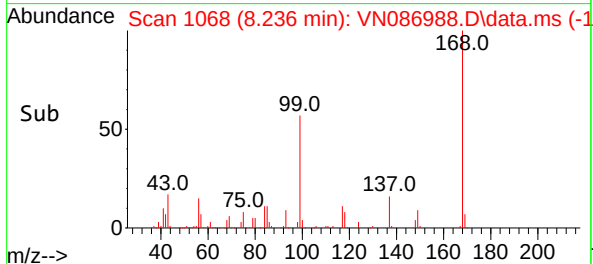
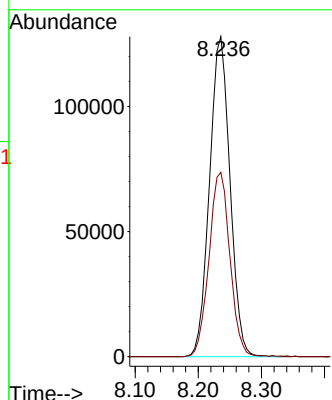
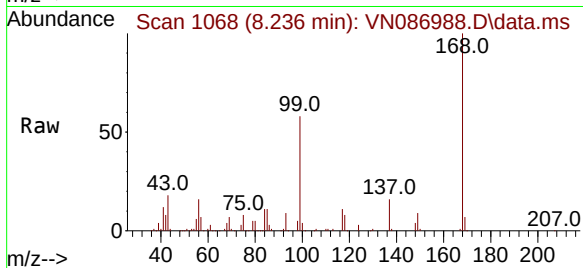




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

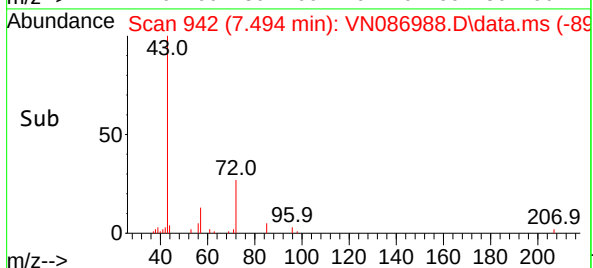
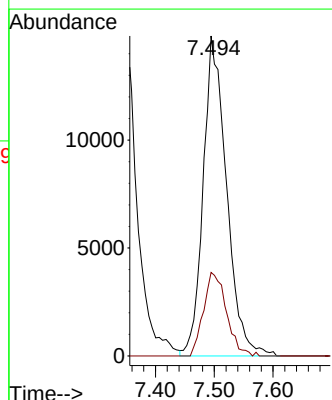
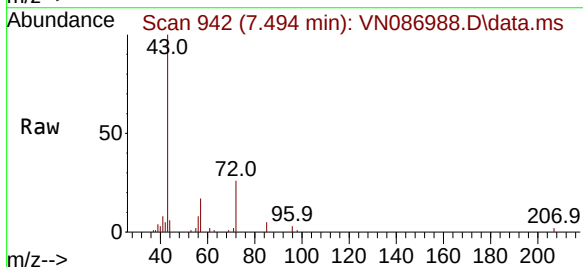
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605-A

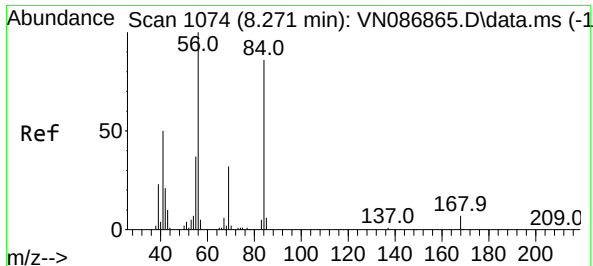
Tgt Ion:168 Resp: 287973
Ion Ratio Lower Upper
168 100
99 57.6 49.1 73.7



#25
2-Butanone
Concen: 12.313 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.000 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

Tgt Ion: 43 Resp: 40924
Ion Ratio Lower Upper
43 100
72 26.1 23.0 34.6

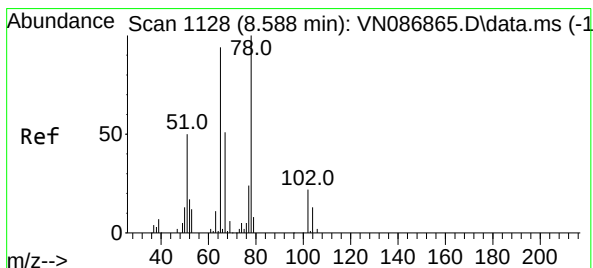
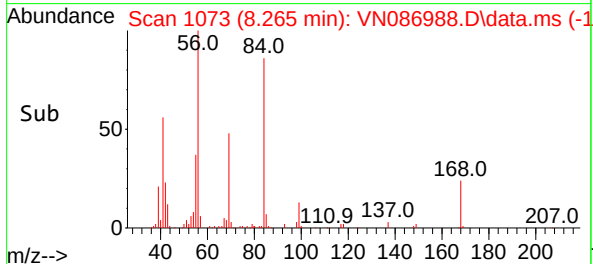
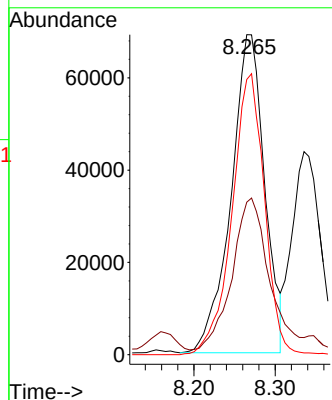
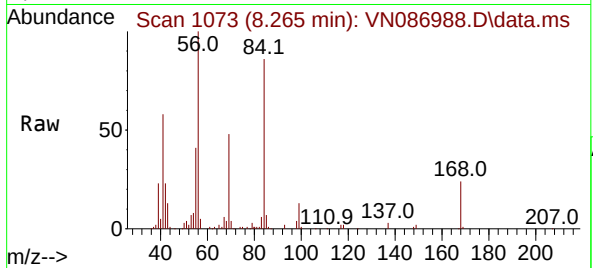




#31
Cyclohexane
Concen: 31.769 ug/l
RT: 8.265 min Scan# 1074
Delta R.T. -0.006 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

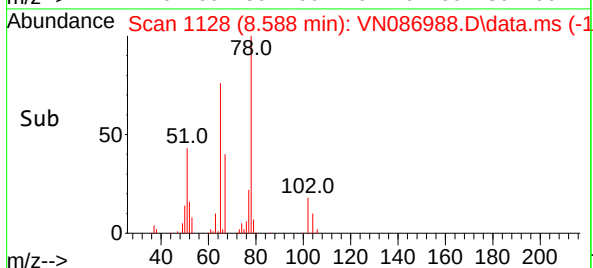
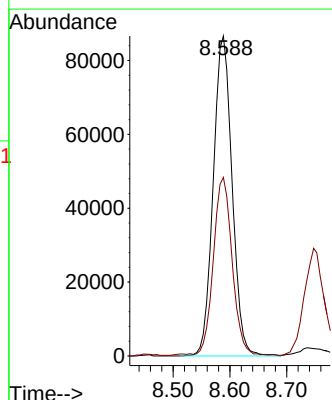
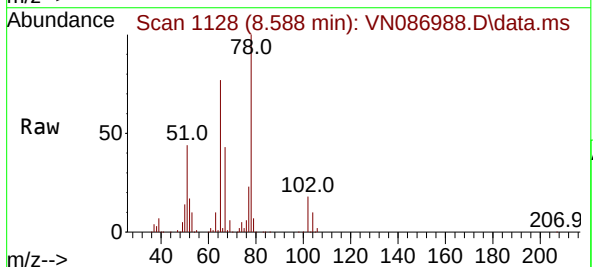
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605-A

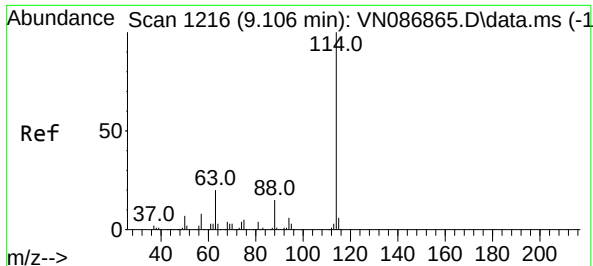
Tgt Ion: 56 Resp: 198668
Ion Ratio Lower Upper
56 100
69 44.8 25.4 38.0#
84 86.5 68.8 103.2



#33
1,2-Dichloroethane-d4
Concen: 51.681 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

Tgt Ion: 65 Resp: 199265
Ion Ratio Lower Upper
65 100
67 56.1 0.0 105.6

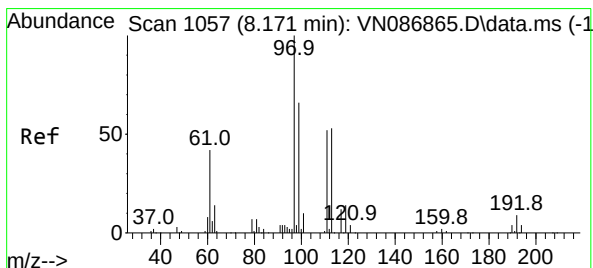
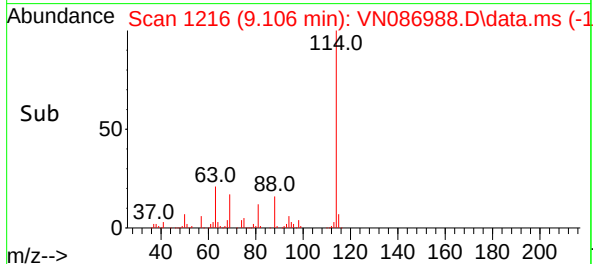
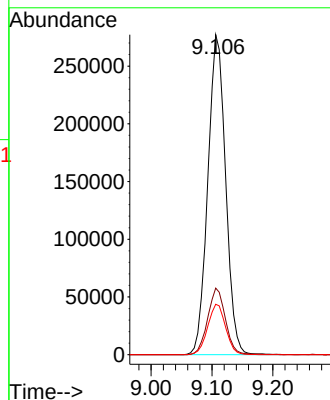
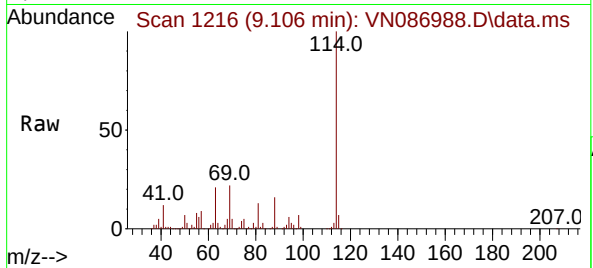




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

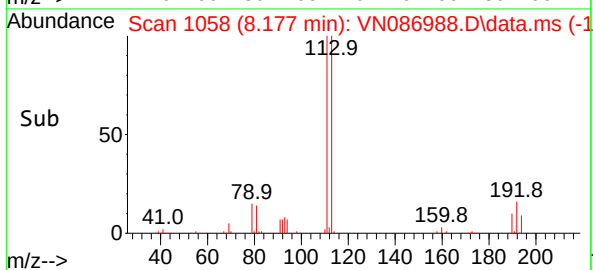
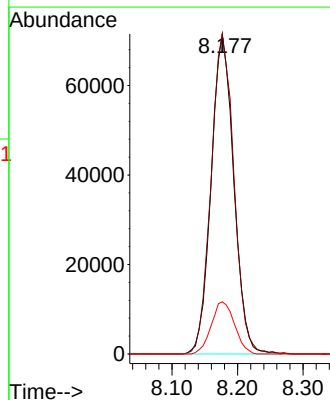
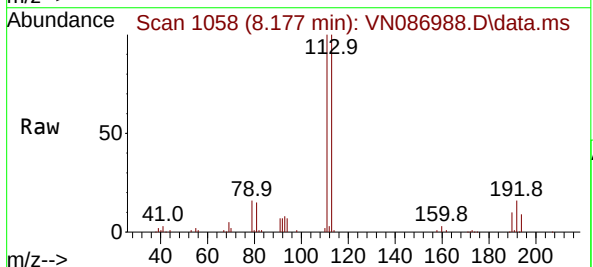
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605-A

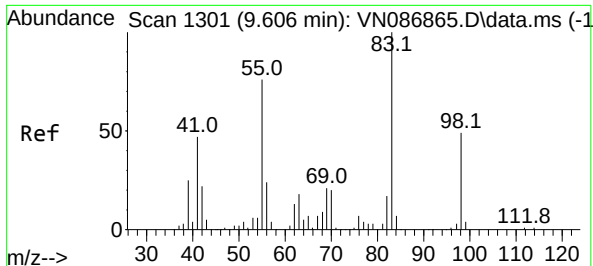
Tgt Ion:114 Resp: 564200
Ion Ratio Lower Upper
114 100
63 20.8 0.0 39.6
88 15.8 0.0 30.2



#35
Dibromofluoromethane
Concen: 51.021 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

Tgt Ion:113 Resp: 170594
Ion Ratio Lower Upper
113 100
111 101.6 84.2 126.2
192 16.8 14.2 21.4





#39

Methylcyclohexane

Concen: 30.852 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN086988.D

Acq: 12 Jun 2025 19:18

Instrument :

MSVOA_N

ClientSampleId :

MW-2-20250605-A

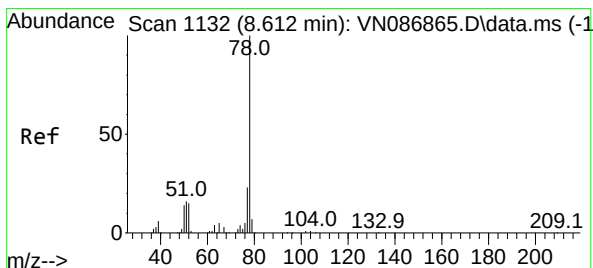
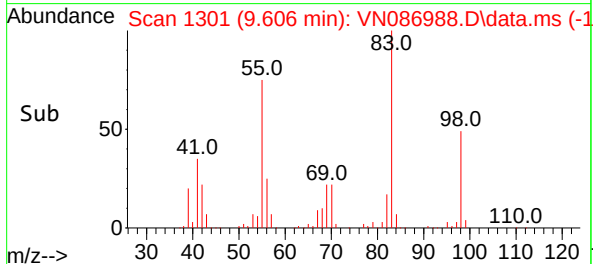
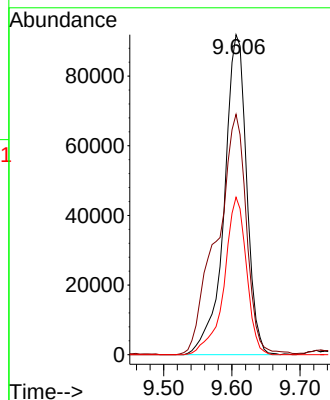
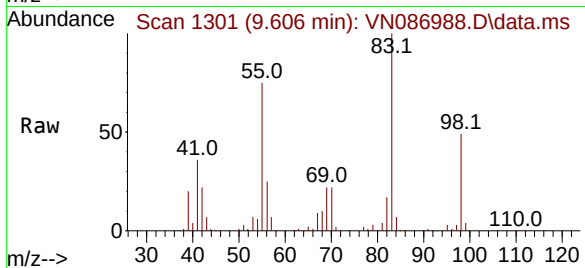
Tgt Ion: 83 Resp: 210594

Ion Ratio Lower Upper

83 100

55 74.8 61.0 91.6

98 49.2 38.9 58.3



#40

Benzene

Concen: 76.630 ug/l

RT: 8.618 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VN086988.D

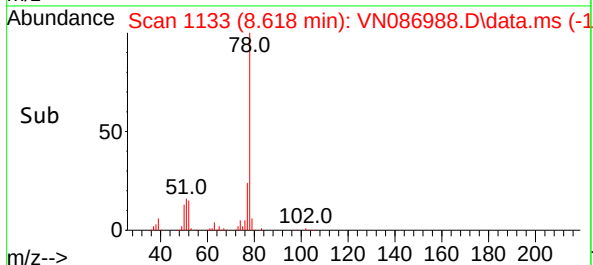
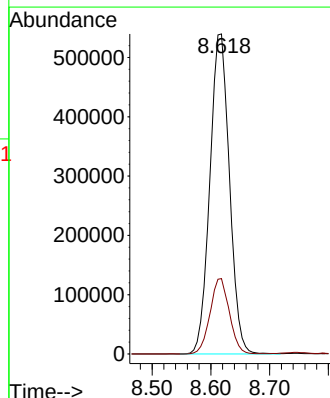
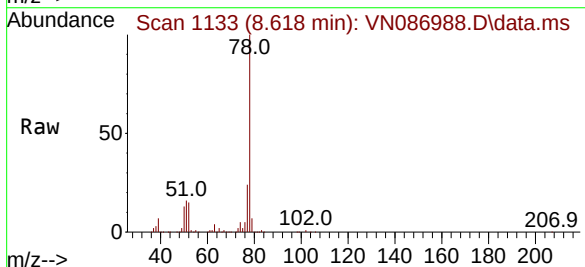
Acq: 12 Jun 2025 19:18

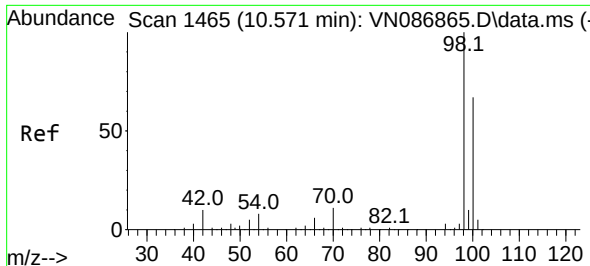
Tgt Ion: 78 Resp: 1248475

Ion Ratio Lower Upper

78 100

77 23.6 18.7 28.1

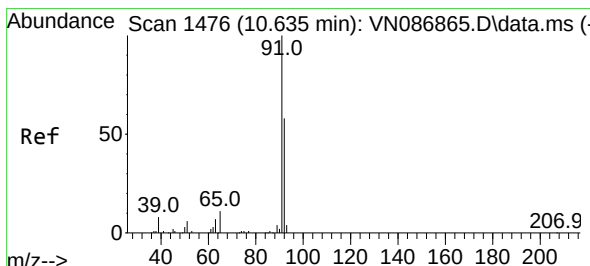
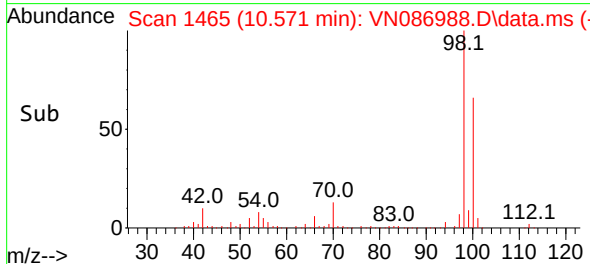
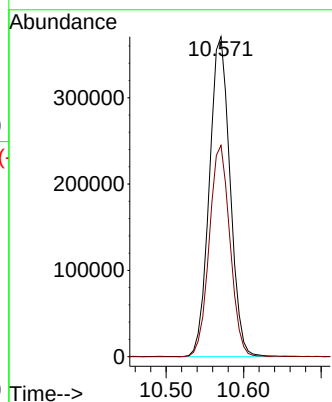
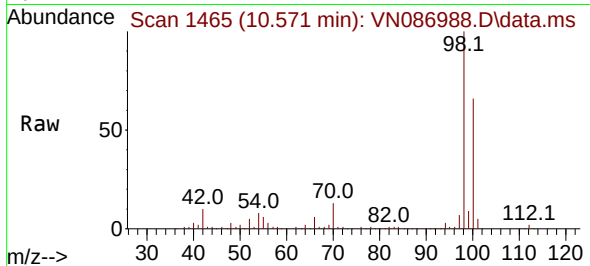




#50
Toluene-d8
Concen: 51.952 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

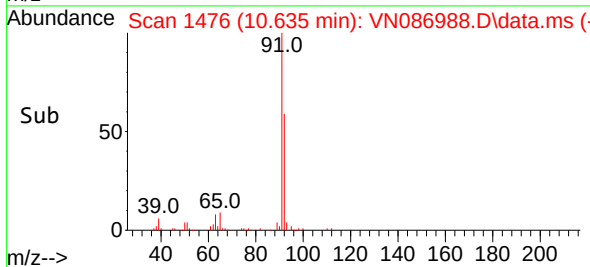
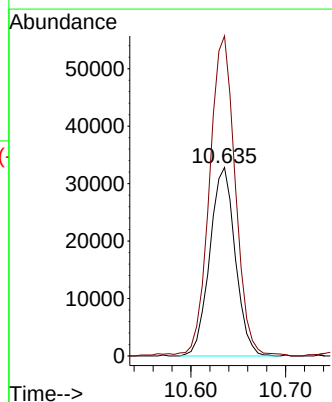
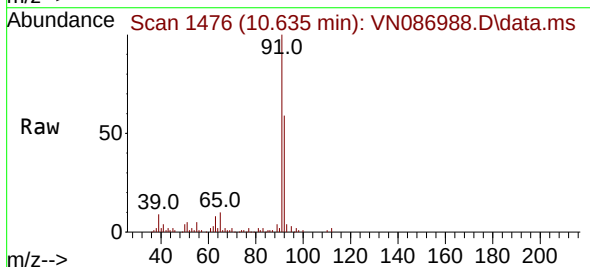
Instrument :
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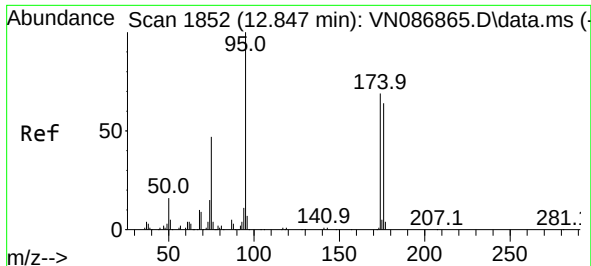
Tgt Ion: 98 Resp: 687658
Ion Ratio Lower Upper
98 100
100 66.0 53.4 80.0



#52
Toluene
Concen: 6.149 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

Tgt Ion: 92 Resp: 61225
Ion Ratio Lower Upper
92 100
91 173.0 136.5 204.7

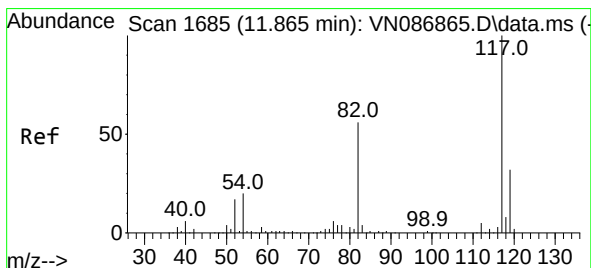
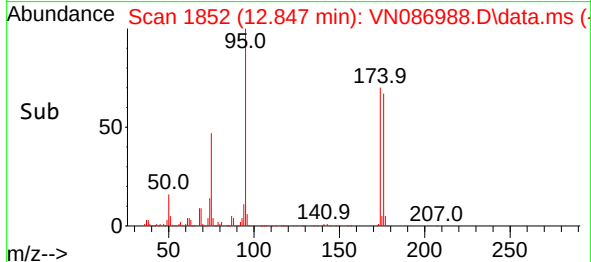
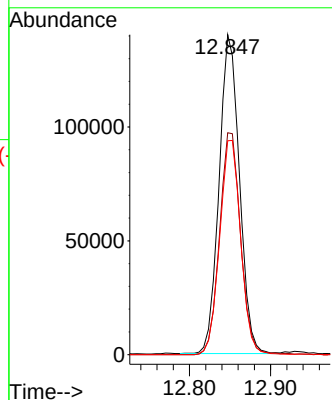
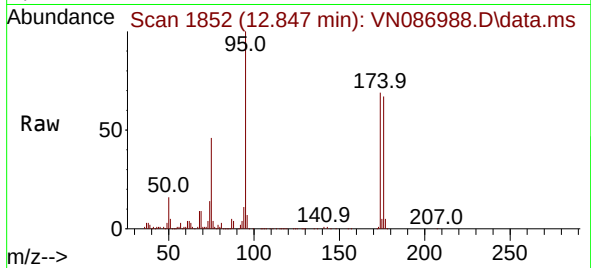




#62
4-Bromofluorobenzene
Concen: 49.653 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

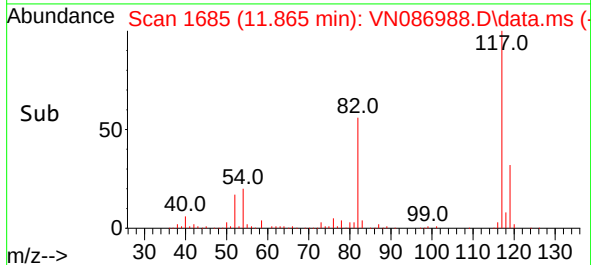
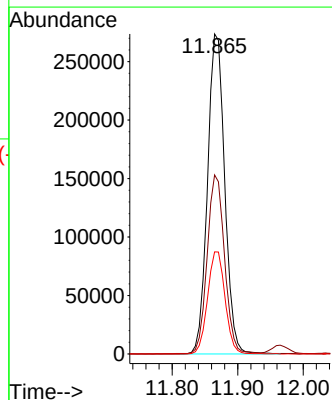
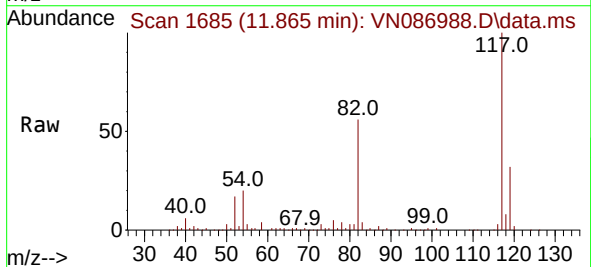
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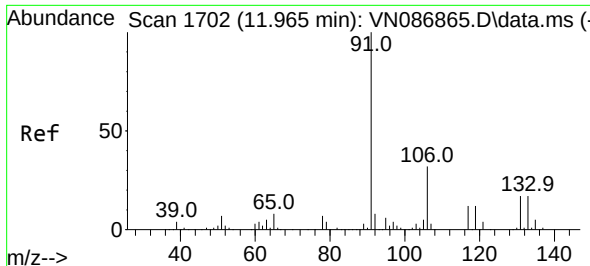
Tgt Ion: 95 Resp: 244178
Ion Ratio Lower Upper
95 100
174 72.0 0.0 141.8
176 69.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

Tgt Ion: 117 Resp: 499730
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 31.9 25.5 38.3

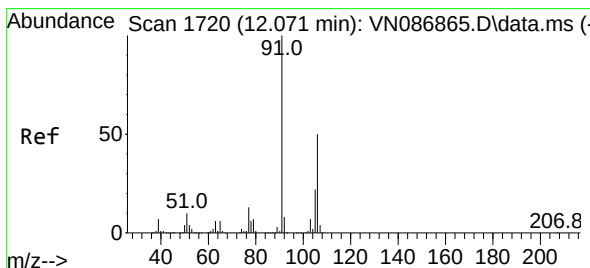
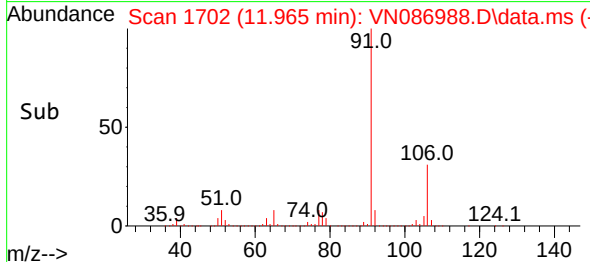
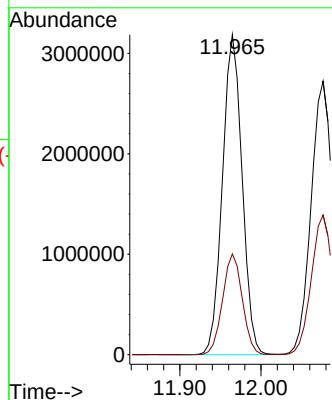
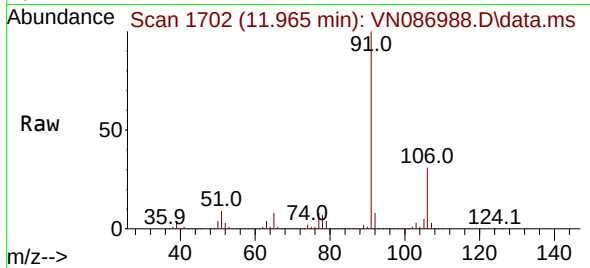




#67
Ethyl Benzene
Concen: 282.802 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

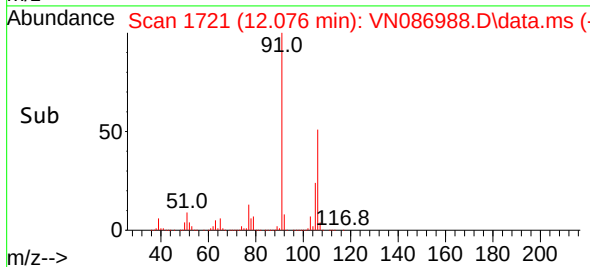
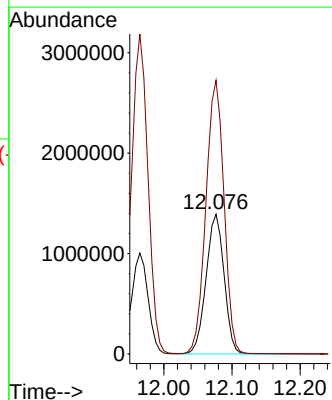
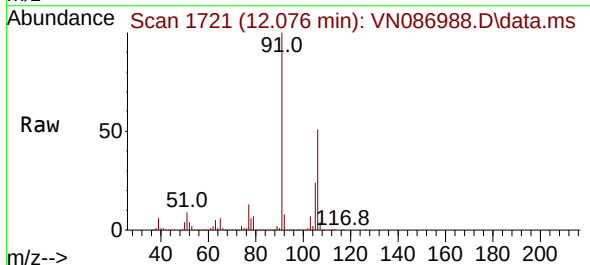
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605-A

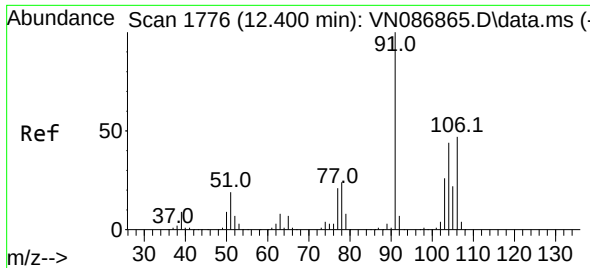
Tgt Ion: 91 Resp: 5368916
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2



#68
m/p-Xylenes
Concen: 351.056 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

Tgt Ion:106 Resp: 2551247
Ion Ratio Lower Upper
106 100
91 197.6 159.4 239.0

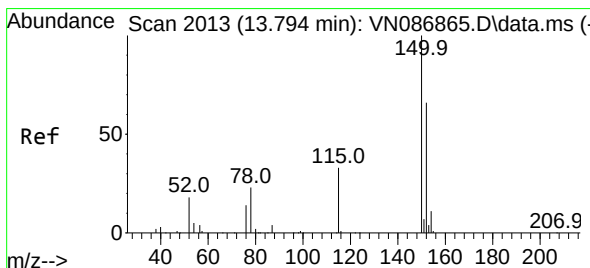
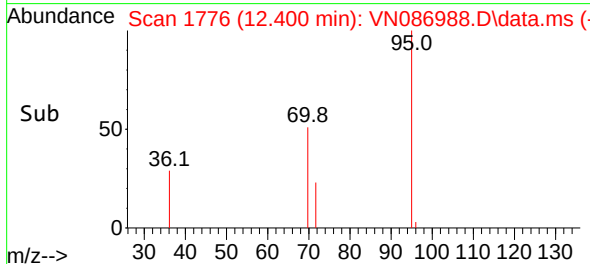
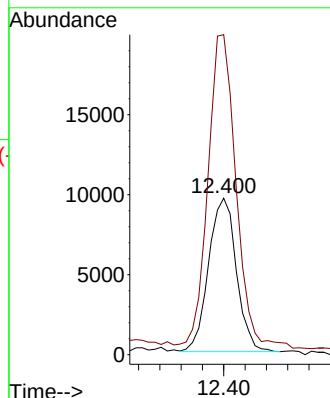
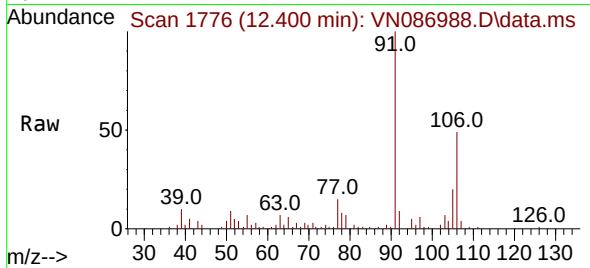




#69
o-Xylene
Concen: 2.498 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

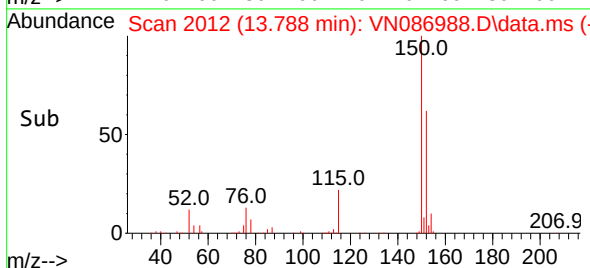
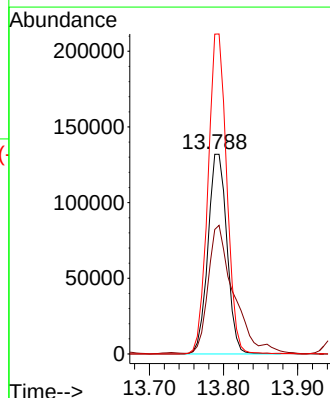
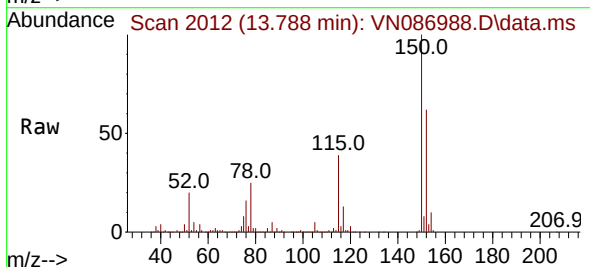
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605-A

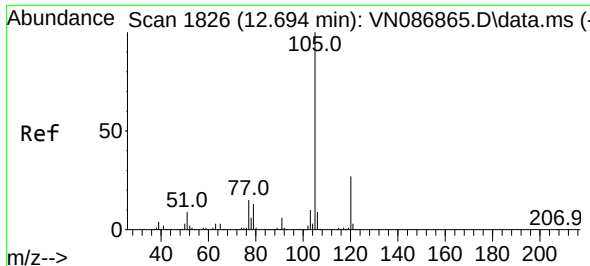
Tgt Ion:106 Resp: 17388
Ion Ratio Lower Upper
106 100
91 207.9 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

Tgt Ion:152 Resp: 234750
Ion Ratio Lower Upper
152 100
115 86.5 30.1 90.5
150 158.5 0.0 345.0

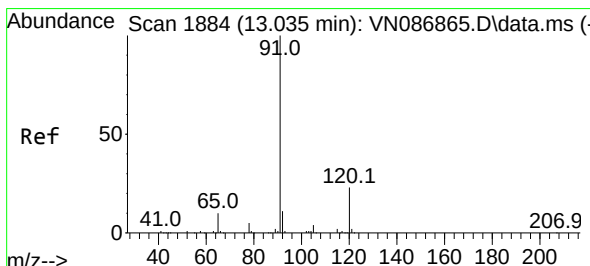
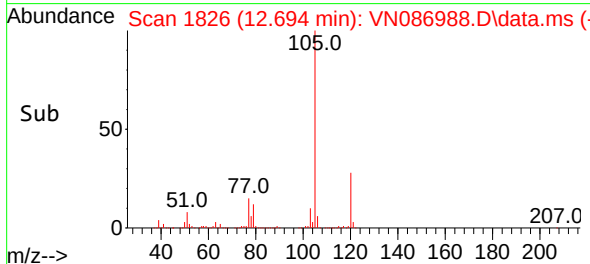
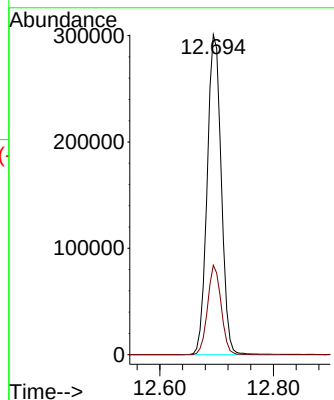
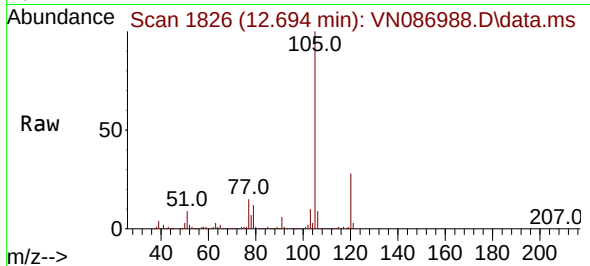




#73
Isopropylbenzene
Concen: 30.128 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

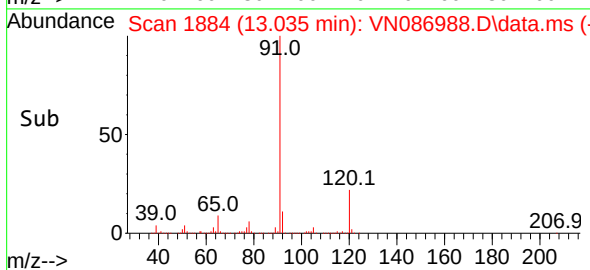
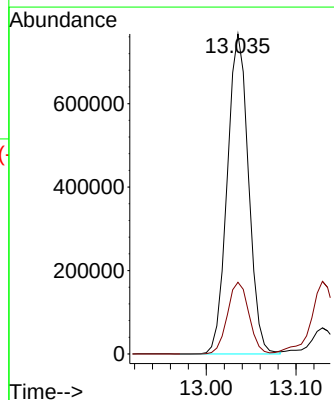
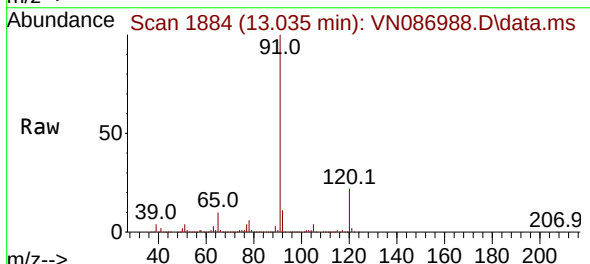
Instrument :
MSVOA_N
ClientSampleId :
MW-2-20250605-A

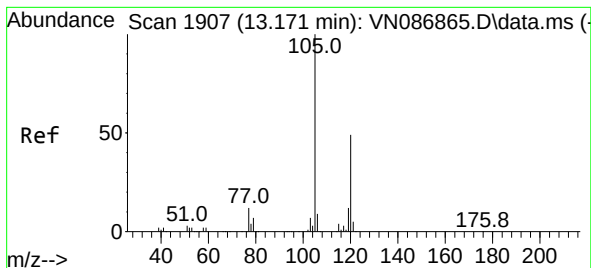
Tgt Ion:105 Resp: 515241
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4



#78
n-propylbenzene
Concen: 60.633 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086988.D
Acq: 12 Jun 2025 19:18

Tgt Ion: 91 Resp: 1260141
Ion Ratio Lower Upper
91 100
120 22.7 11.4 34.2





#80

1,3,5-Trimethylbenzene

Concen: 54.555 ug/l

RT: 13.171 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086988.D

Acq: 12 Jun 2025 19:18

Instrument :

MSVOA_N

ClientSampleId :

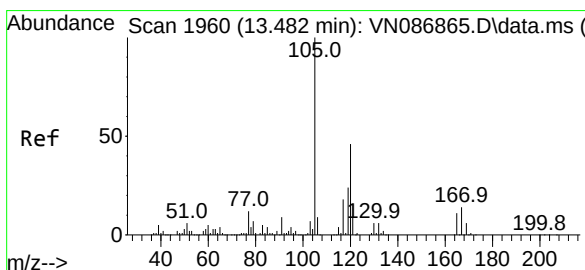
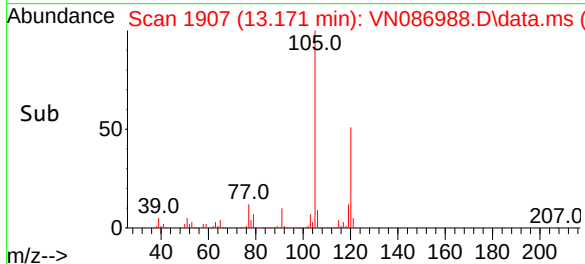
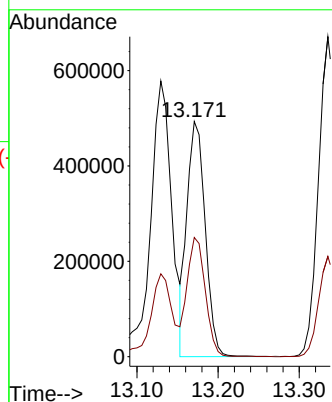
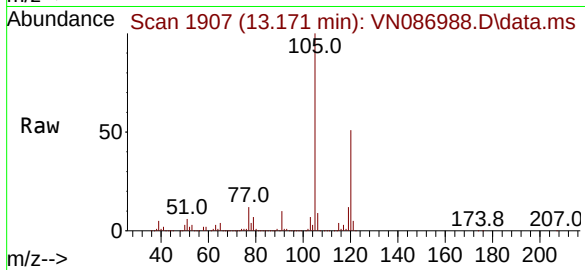
MW-2-20250605-A

Tgt Ion:105 Resp: 770291

Ion Ratio Lower Upper

105 100

120 50.0 24.9 74.6



#84

1,2,4-Trimethylbenzene

Concen: 195.386 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. -0.000 min

Lab File: VN086988.D

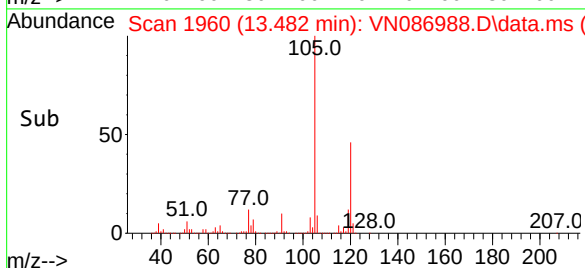
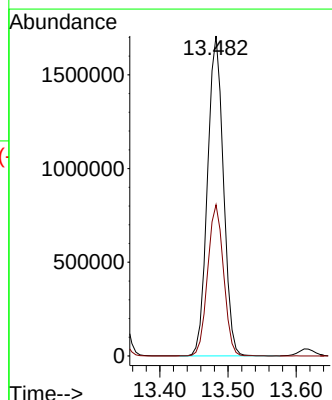
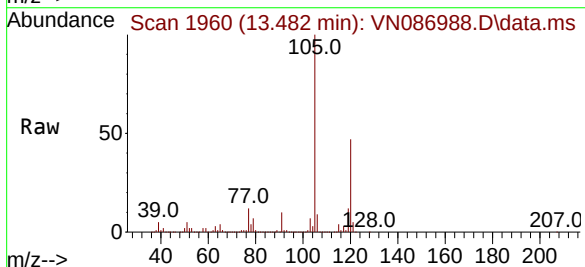
Acq: 12 Jun 2025 19:18

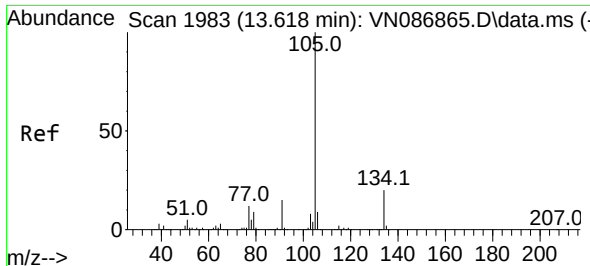
Tgt Ion:105 Resp: 2766381

Ion Ratio Lower Upper

105 100

120 47.4 23.2 69.6

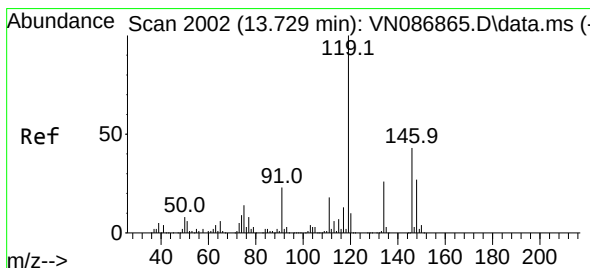
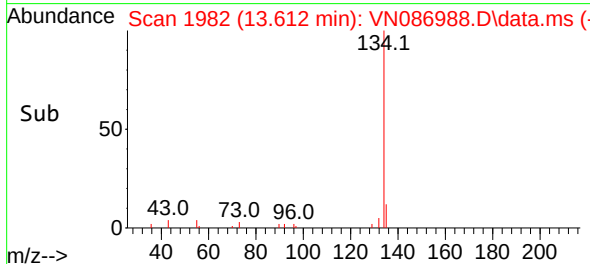
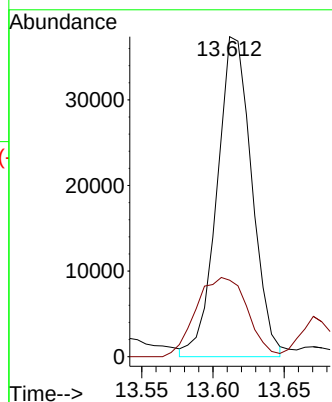
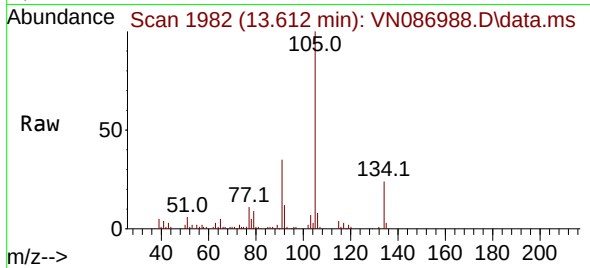




#85
 sec-Butylbenzene
 Concen: 3.383 ug/l m
 RT: 13.612 min Scan# 1983
 Delta R.T. -0.006 min
 Lab File: VN086988.D
 Acq: 12 Jun 2025 19:18

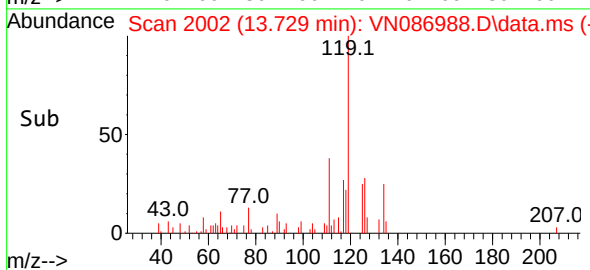
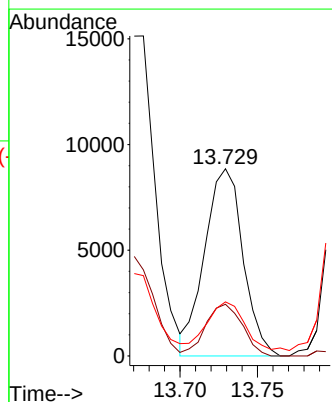
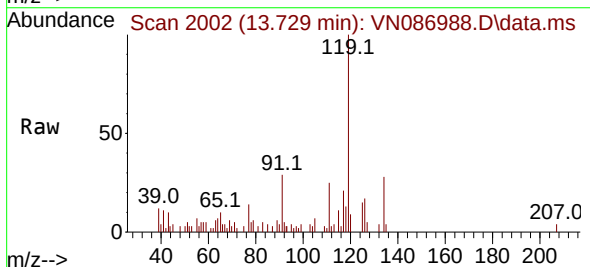
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2-20250605-A

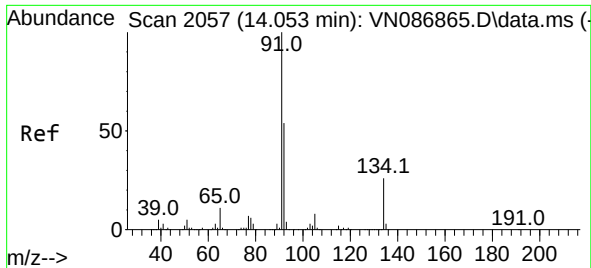
Tgt Ion:105 Resp: 63494
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 30.0#



#86
 p-Isopropyltoluene
 Concen: 0.983 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN086988.D
 Acq: 12 Jun 2025 19:18

Tgt Ion:119 Resp: 15257
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.5 40.4
 91 0.0 11.5 34.4#





#89

n-Butylbenzene

Concen: 5.213 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086988.D

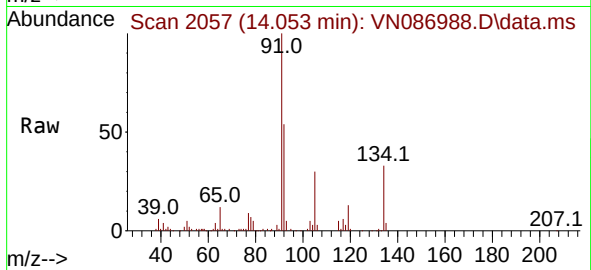
Acq: 12 Jun 2025 19:18

Instrument :

MSVOA_N

ClientSampleId :

MW-2-20250605-A



Tgt Ion:	91	Resp:	78347
Ion	Ratio	Lower	Upper
91	100		
92	57.8	27.5	82.4
134	0.0	13.0	39.0#

