

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088134.D
 Acq On : 28 Oct 2025 13:17
 Operator : JC\MD
 Sample : Q3468-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-06

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/29/2025
 Supervised By : Semsettin Yesilyurt 10/29/2025

Quant Time: Oct 29 02:22:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	241588	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	536987	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	511056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	252074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	222772	53.326	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.660%			
35) Dibromofluoromethane	8.153	113	165756	45.947	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.900%			
50) Toluene-d8	10.547	98	623989	44.890	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 89.780%			
62) 4-Bromofluorobenzene	12.829	95	244240	49.753	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.500%			
Target Compounds					Qvalue	
16) Acetone	4.418	43	18697m	8.909	ug/l	
25) 2-Butanone	7.483	43	12861m	4.650	ug/l	
39) Methylcyclohexane	9.582	83	31945	4.718	ug/l	98
40) Benzene	8.588	78	113834	7.096	ug/l	95
52) Toluene	10.606	92	12883	1.303	ug/l	98
67) Ethyl Benzene	11.941	91	106743	5.240	ug/l	99
68) m/p-Xylenes	12.053	106	39374	5.159	ug/l	100
69) o-Xylene	12.376	106	29666	4.100	ug/l	96
73) Isopropylbenzene	12.676	105	463669	23.849	ug/l	99
78) n-propylbenzene	13.012	91	1275705	53.769	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	18705	1.158	ug/l	91
83) tert-Butylbenzene	13.412	119	8602	0.596	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	104115	6.445	ug/l	100
85) sec-Butylbenzene	13.594	105	105254	4.967	ug/l #	63
89) n-Butylbenzene	14.029	91	58561m	3.478	ug/l	
95) Naphthalene	15.611	128	947932	56.635	ug/l	100

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

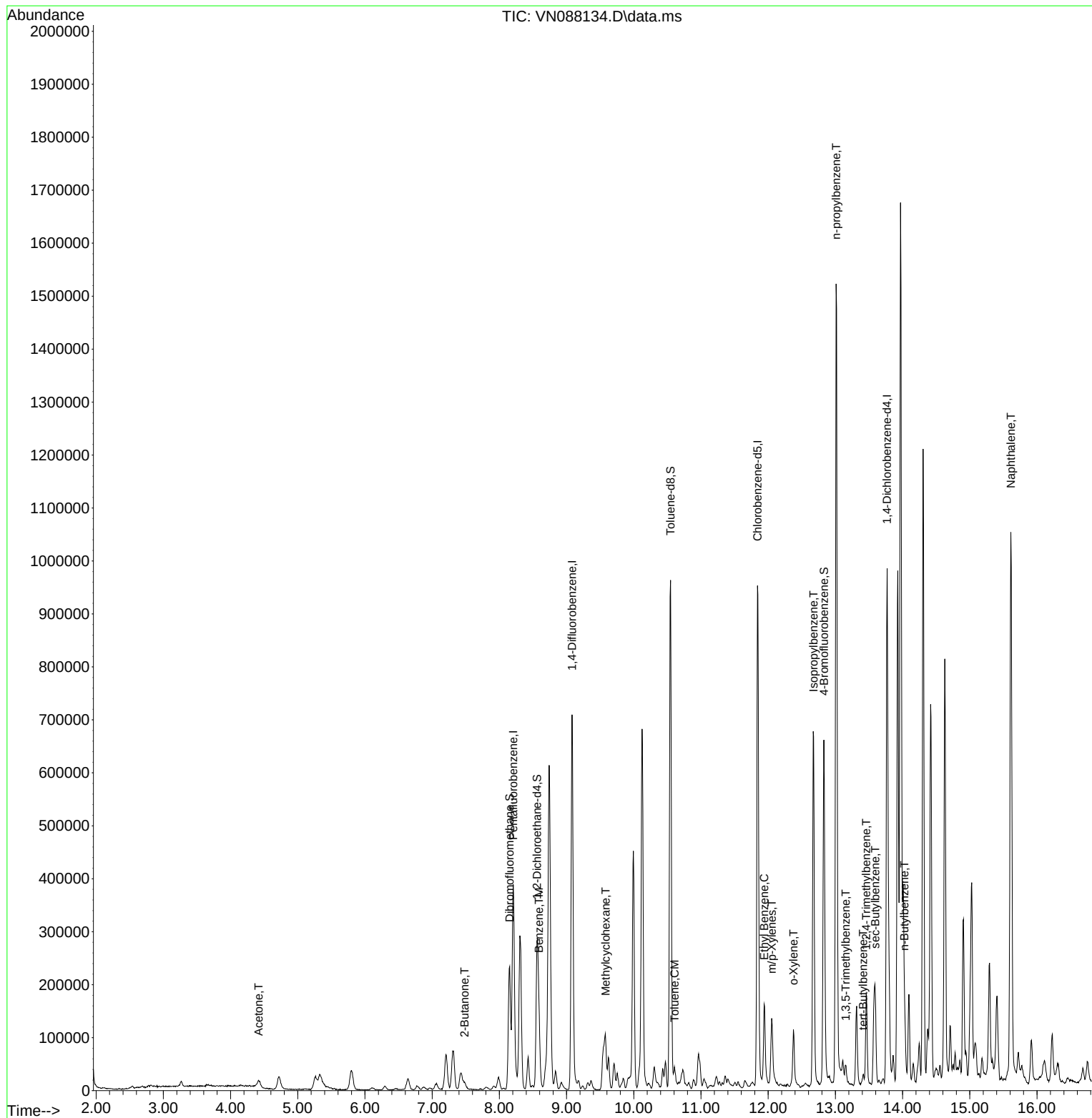
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088134.D
Acq On : 28 Oct 2025 13:17
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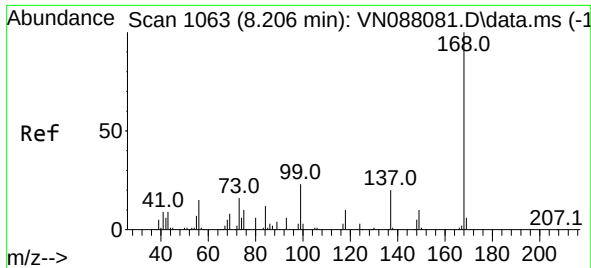
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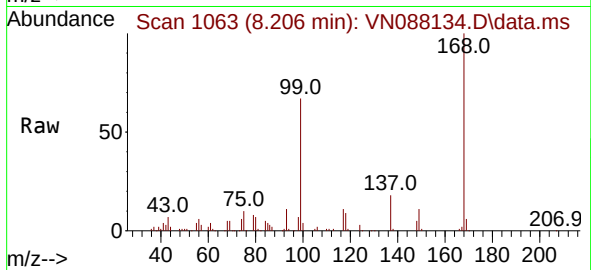
Quant Time: Oct 29 02:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17

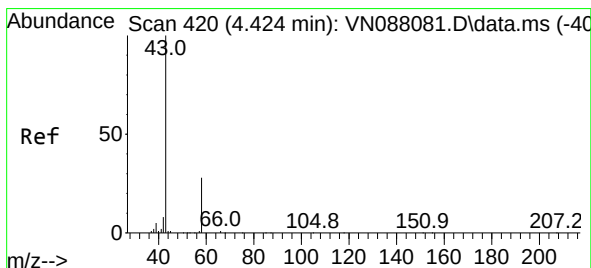
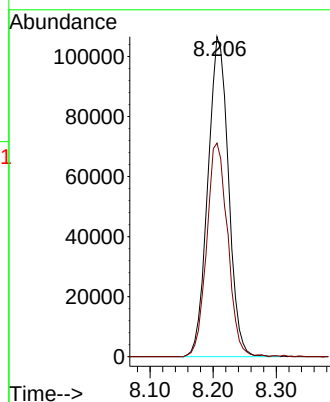
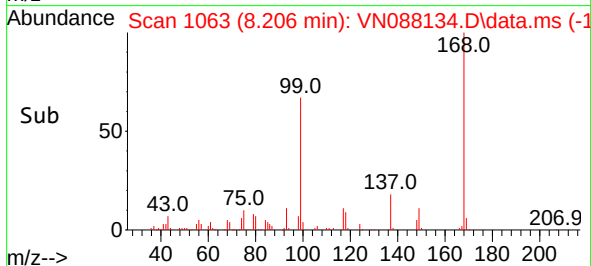
Instrument :
MSVOA_N
ClientSampleId :
MW-06



Tgt Ion:168 Resp: 24158
Ion Ratio Lower Upper
168 100
99 66.8 57.2 85.8

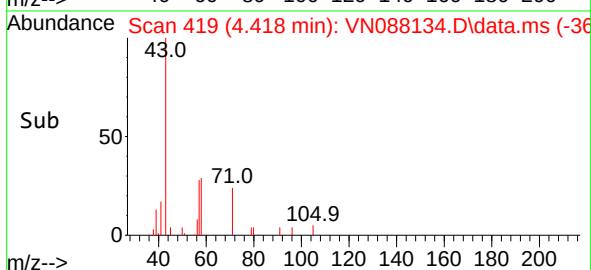
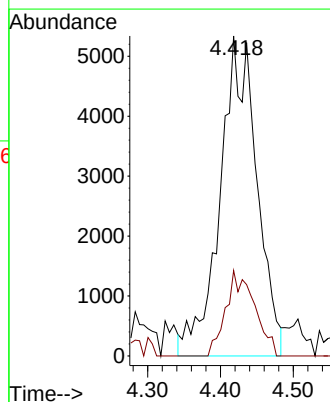
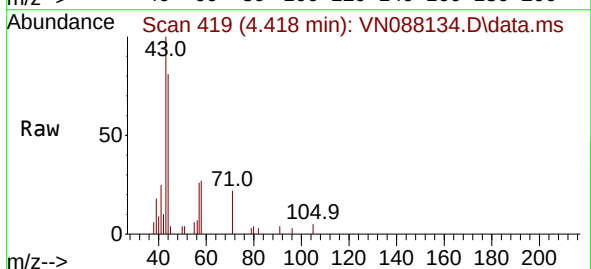
Manual Integrations
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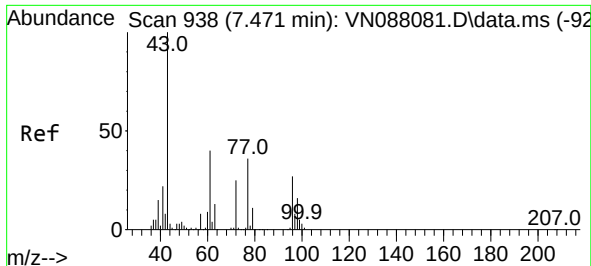
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#16
Acetone
Concen: 8.909 ug/l m
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17

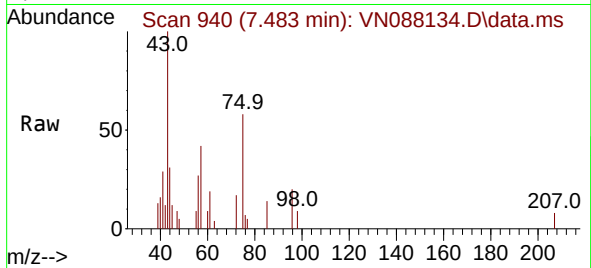
Tgt Ion: 43 Resp: 18697
Ion Ratio Lower Upper
43 100
58 26.7 22.6 33.8





#25
2-Butanone
Concen: 4.650 ug/l m
RT: 7.483 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17

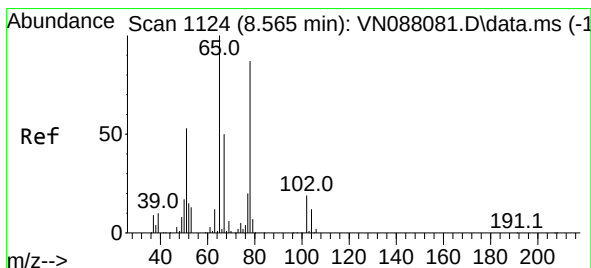
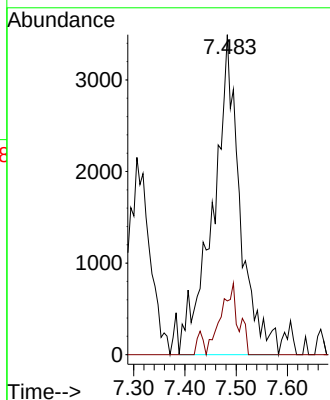
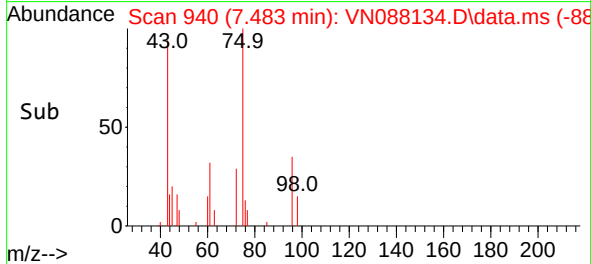
Instrument :
MSVOA_N
ClientSampleId :
MW-06



Tgt Ion: 43 Resp: 1286
Ion Ratio Lower Upper
43 100
72 16.8 19.9 29.9

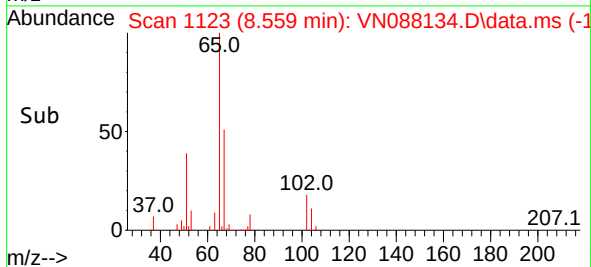
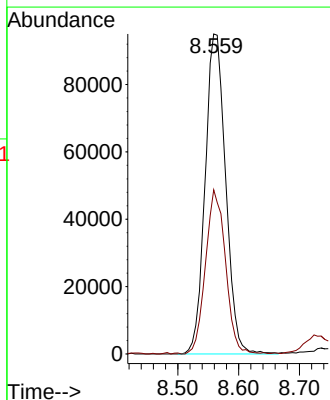
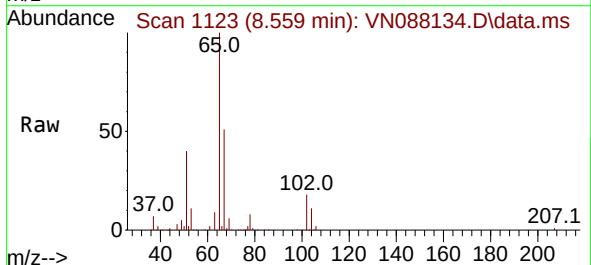
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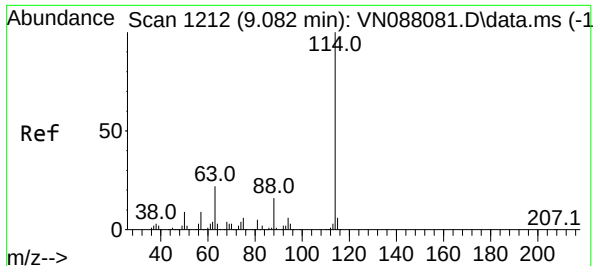
Reviewed By :John Carlone 10/29/2025
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#33
1,2-Dichloroethane-d4
Concen: 53.326 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17

Tgt Ion: 65 Resp: 222772
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN088134.D

Acq: 28 Oct 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

MW-06

Tgt Ion:114 Resp: 53698

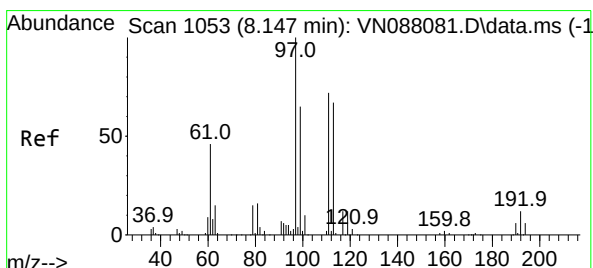
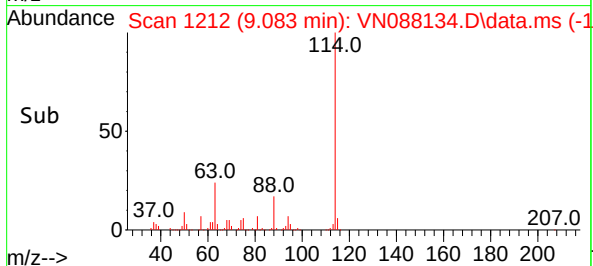
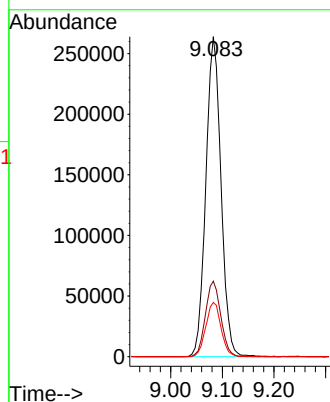
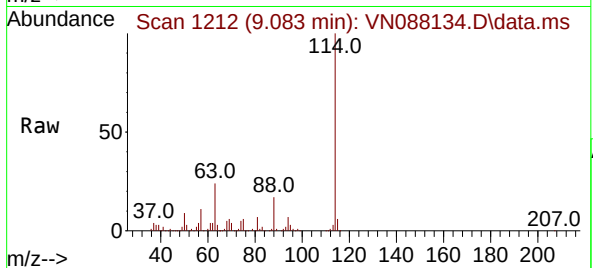
Ion	Ratio	Lower	Upper
114	100		
63	23.6	0.0	45.2
88	17.0	0.0	33.4

Manual Integrations

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#35

Dibromofluoromethane

Concen: 45.947 ug/l

RT: 8.153 min Scan# 1054

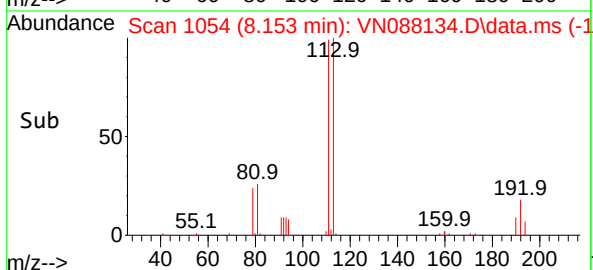
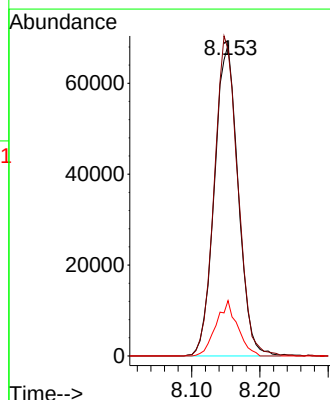
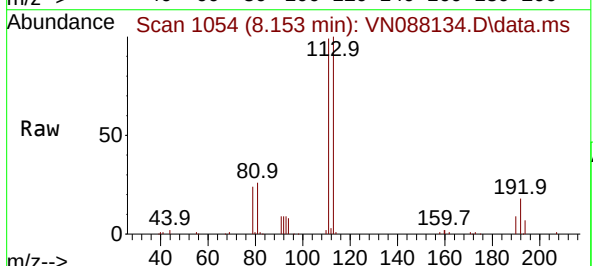
Delta R.T. -0.000 min

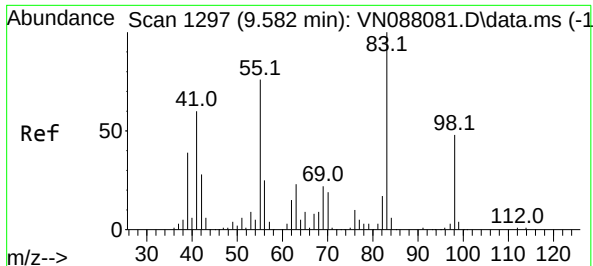
Lab File: VN088134.D

Acq: 28 Oct 2025 13:17

Tgt Ion:113 Resp: 165756

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.8	124.2
192	16.1	12.8	19.2





#39

Methylcyclohexane

Concen: 4.718 ug/l

RT: 9.582 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VN088134.D

Acq: 28 Oct 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

MW-06

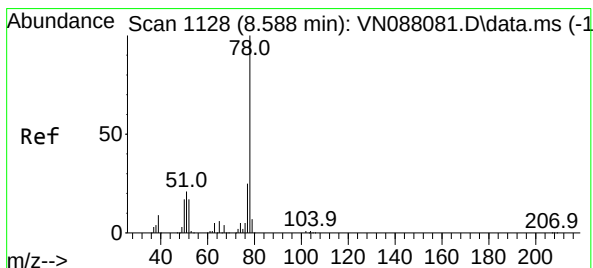
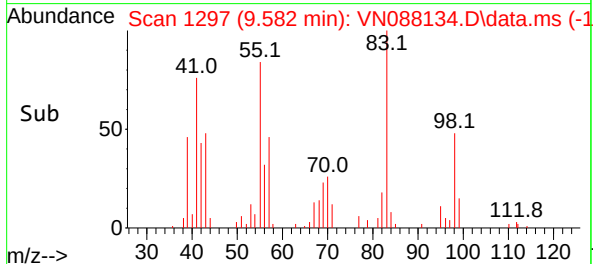
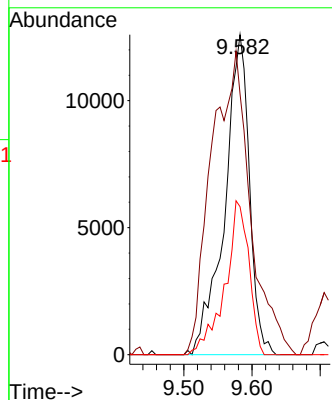
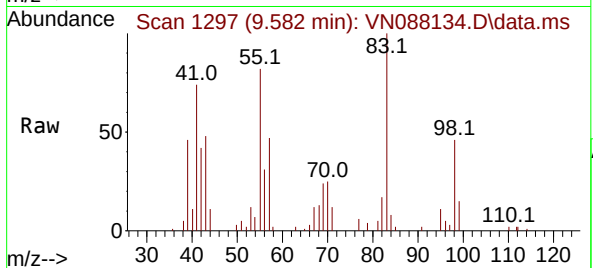
Tgt Ion: 83	Resp: 3194
Ion Ratio	Lower Upper
83 100	
55 81.5	64.6 96.8
98 46.3	38.4 57.6

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#40

Benzene

Concen: 7.096 ug/l

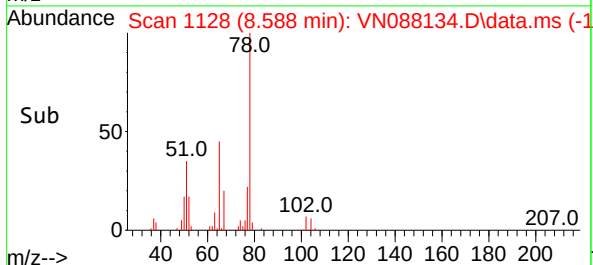
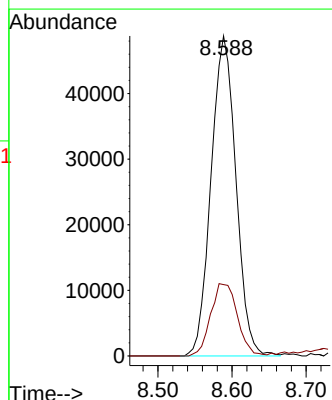
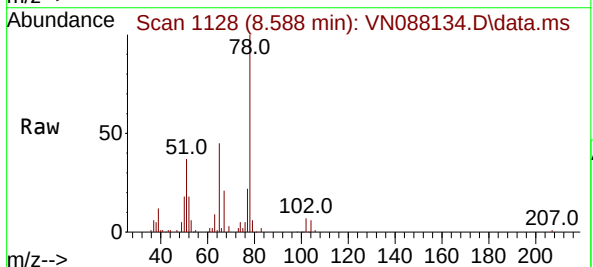
RT: 8.588 min Scan# 1128

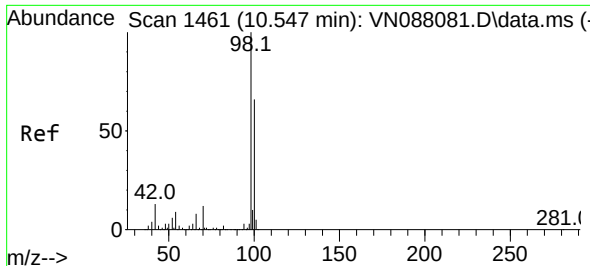
Delta R.T. -0.000 min

Lab File: VN088134.D

Acq: 28 Oct 2025 13:17

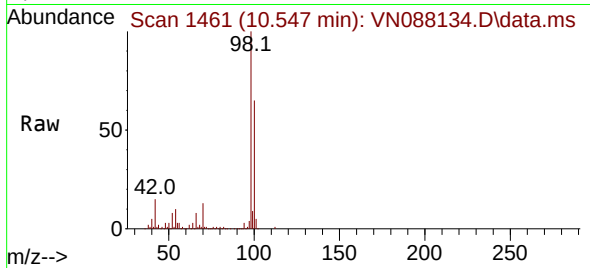
Tgt Ion: 78	Resp: 113834
Ion Ratio	Lower Upper
78 100	
77 22.3	19.7 29.5





#50
Toluene-d8
Concen: 44.890 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17

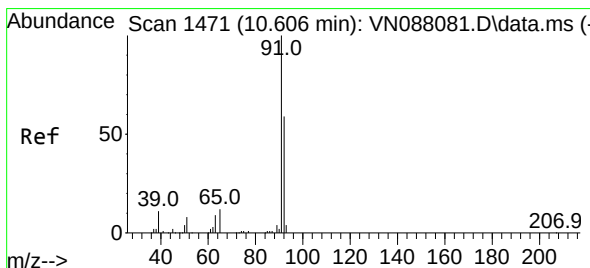
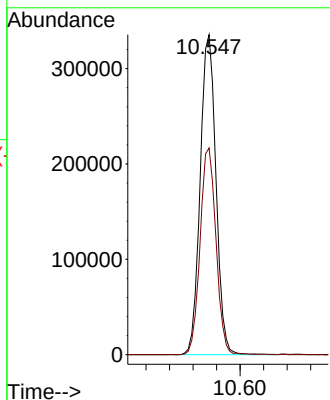
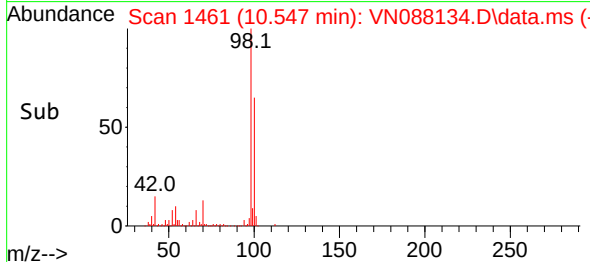
Instrument :
MSVOA_N
ClientSampleId :
MW-06



Tgt Ion: 98 Resp: 623989
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2

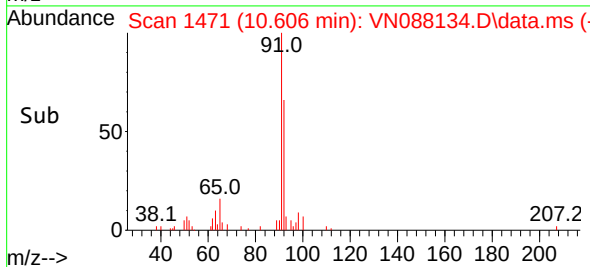
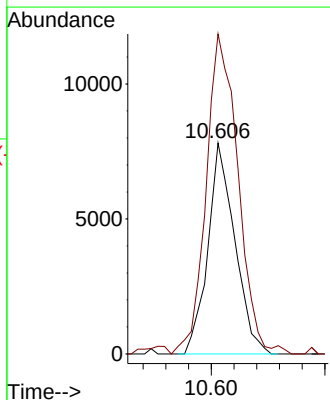
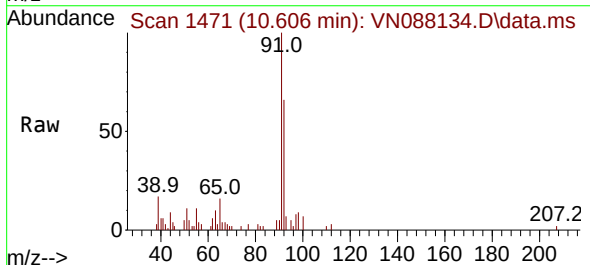
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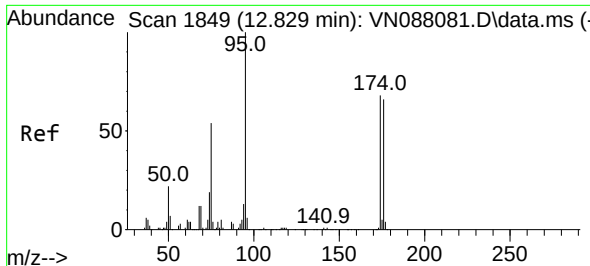
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#52
Toluene
Concen: 1.303 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17

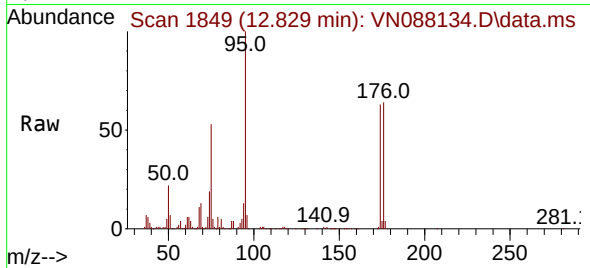
Tgt Ion: 92 Resp: 12883
Ion Ratio Lower Upper
92 100
91 178.9 140.4 210.6





#62
4-Bromofluorobenzene
Concen: 49.753 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17

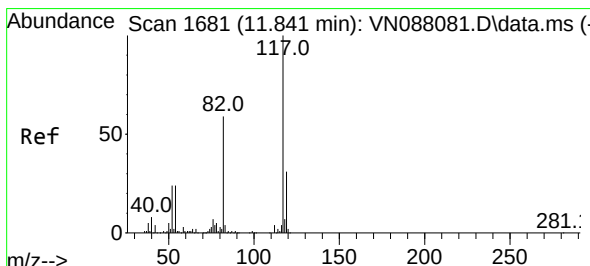
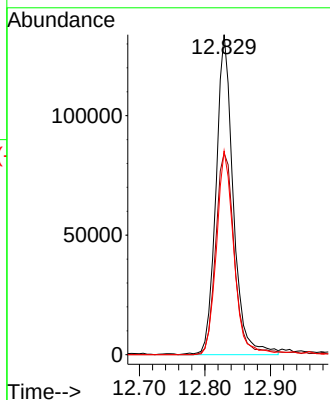
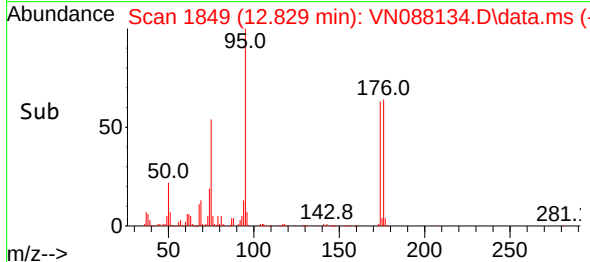
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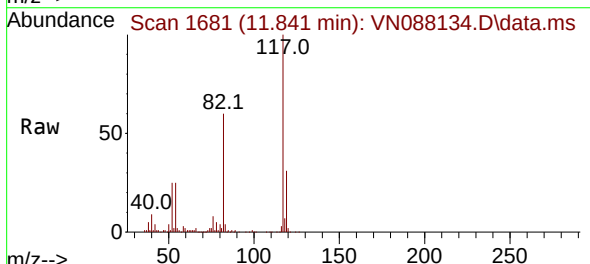
Tgt Ion: 95 Resp: 244240
Ion Ratio Lower Upper
95 100
174 68.8 0.0 138.4
176 63.8 0.0 132.6

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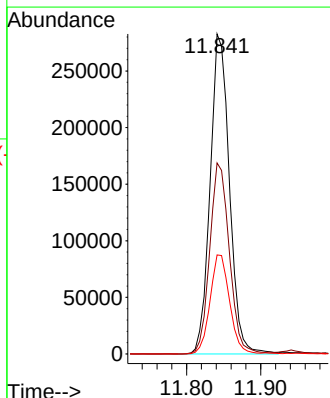
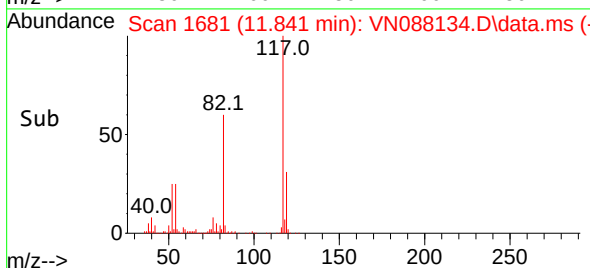
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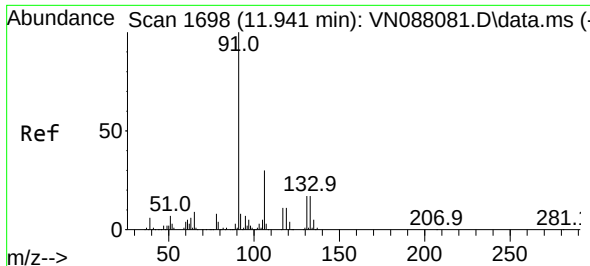


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17



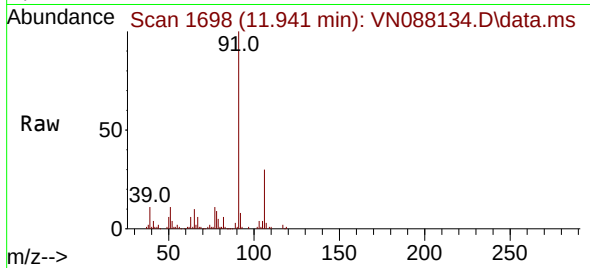
Tgt Ion:117 Resp: 511056
Ion Ratio Lower Upper
117 100
82 59.7 47.4 71.2
119 30.9 24.3 36.5





#67
Ethyl Benzene
Concen: 5.240 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17

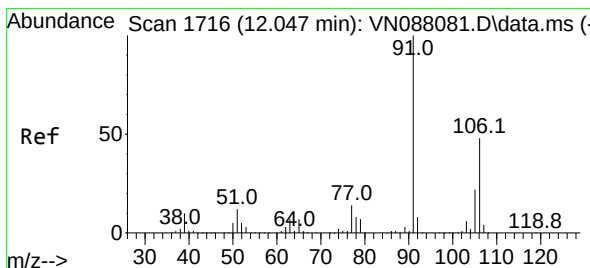
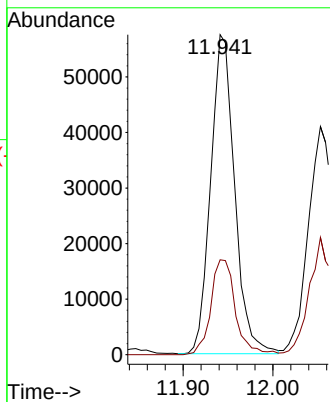
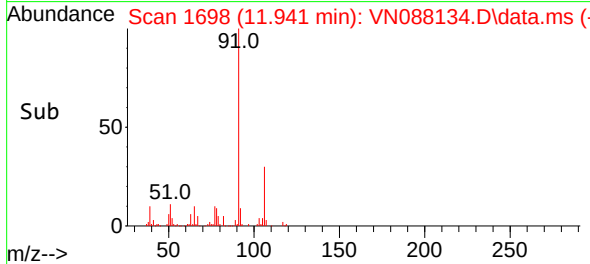
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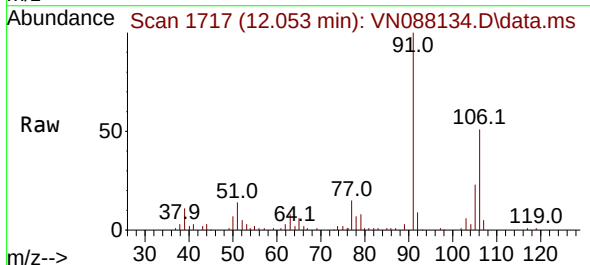
Tgt Ion: 91 Resp: 10674
Ion Ratio Lower Upper
91 100
106 29.7 24.1 36.1

Manual Integrations
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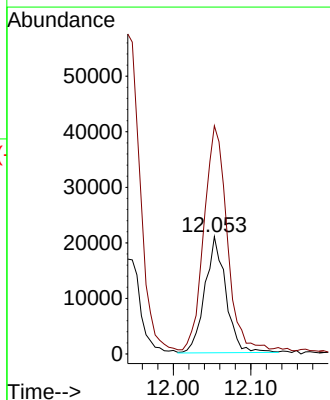
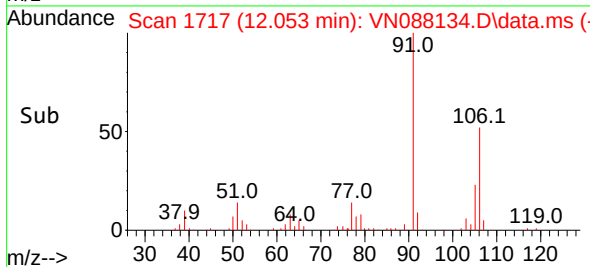
Reviewed By :John Carlone 10/29/2025
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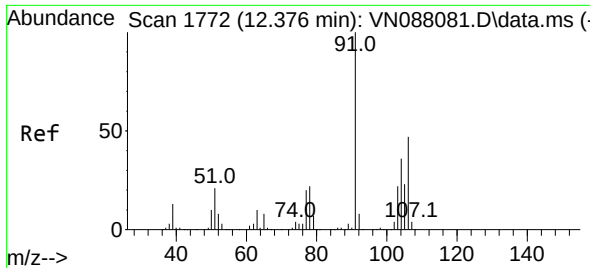


#68
m/p-Xylenes
Concen: 5.159 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17



Tgt Ion:106 Resp: 39374
Ion Ratio Lower Upper
106 100
91 211.2 169.3 253.9





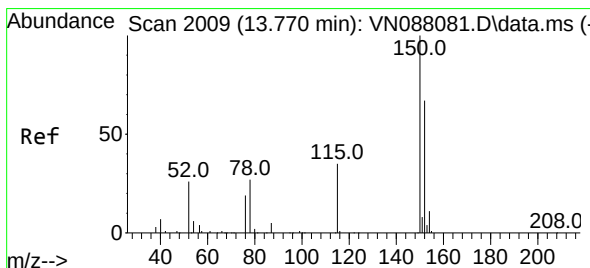
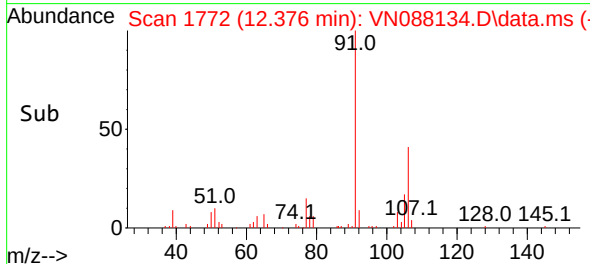
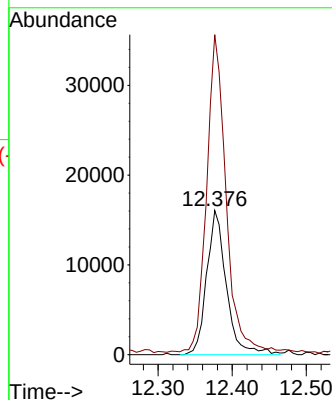
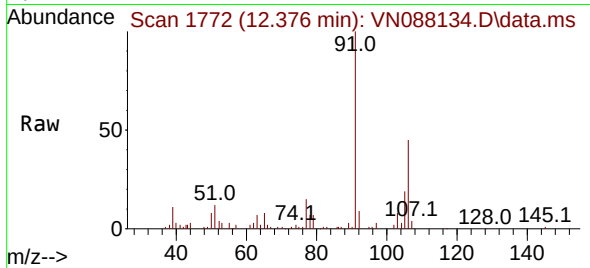
#69
o-Xylene
Concen: 4.100 ug/l
RT: 12.376 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
MW-06

Tgt Ion:106 Resp: 29660
Ion Ratio Lower Upper
106 100
91 215.7 111.4 334.2

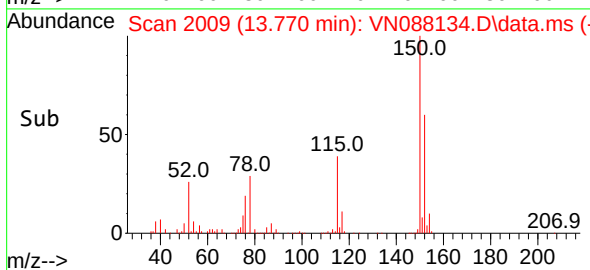
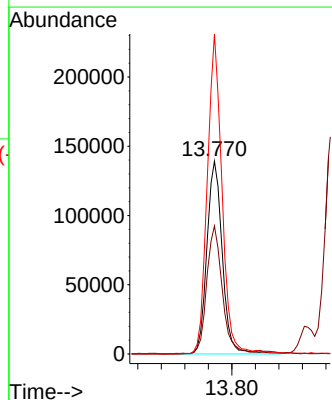
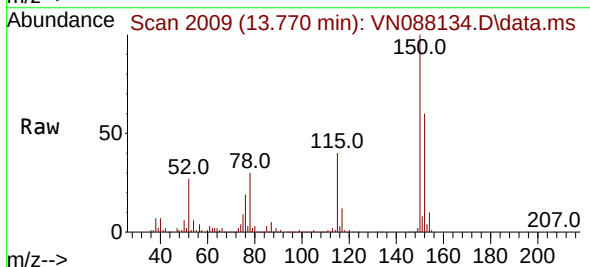
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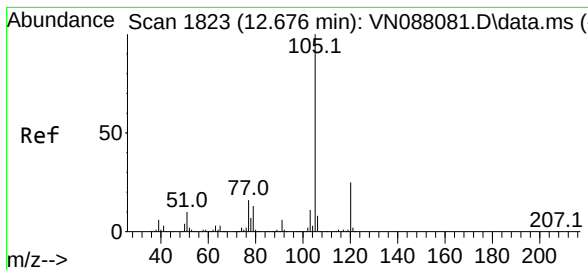
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17

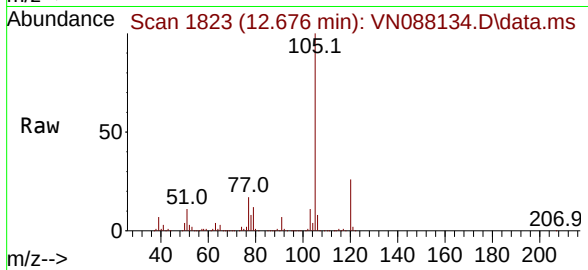
Tgt Ion:152 Resp: 252074
Ion Ratio Lower Upper
152 100
115 67.6 32.3 96.8
150 158.8 0.0 351.0





#73
Isopropylbenzene
Concen: 23.849 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17

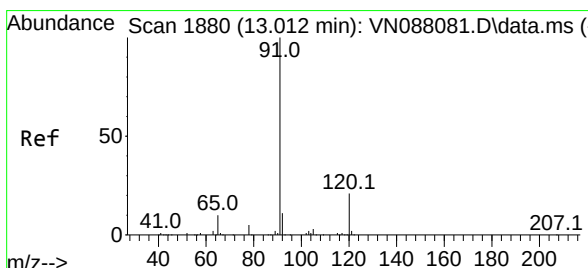
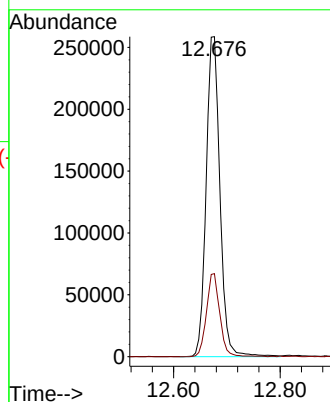
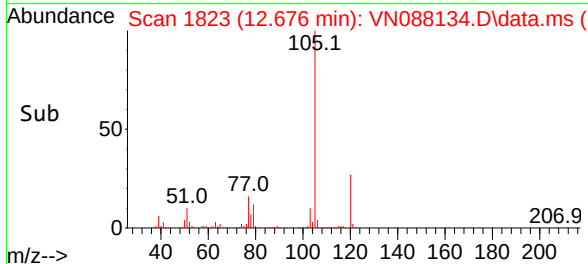
Instrument :
MSVOA_N
ClientSampleId :
MW-06



Tgt Ion:105 Resp: 463669
Ion Ratio Lower Upper
105 100
120 25.1 12.8 38.3

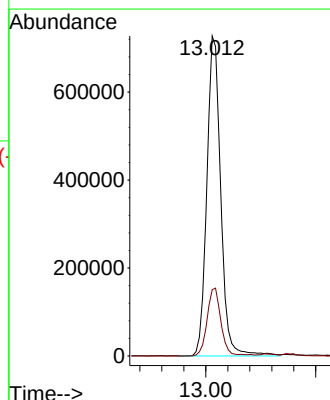
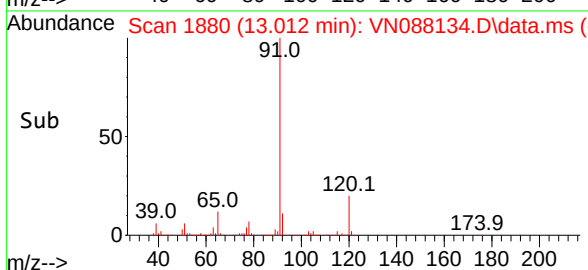
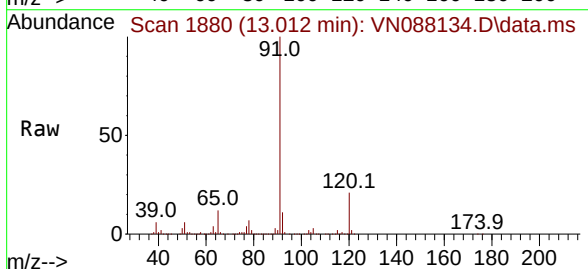
Manual Integrations
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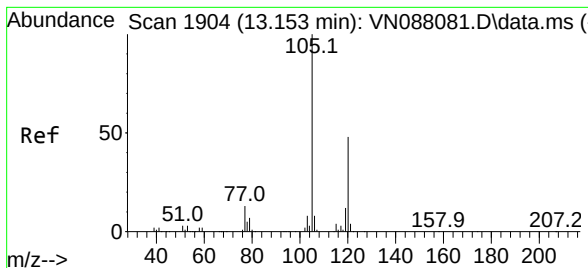
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#78
n-propylbenzene
Concen: 53.769 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17

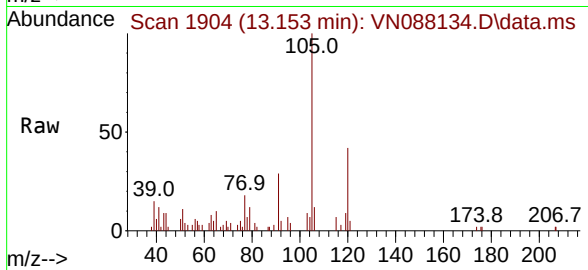
Tgt Ion: 91 Resp: 1275705
Ion Ratio Lower Upper
91 100
120 21.2 10.7 32.1





#80
1,3,5-Trimethylbenzene
Concen: 1.158 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17

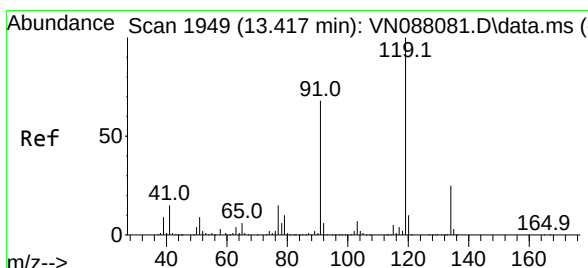
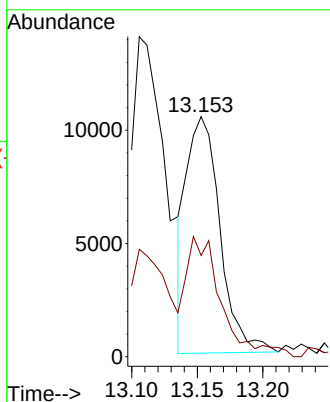
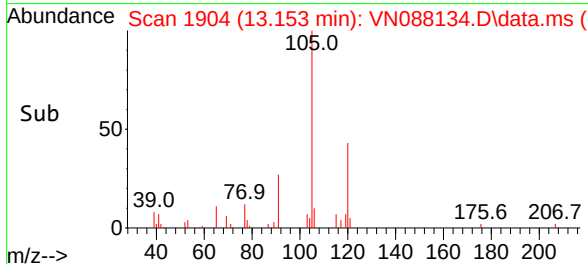
Instrument :
MSVOA_N
ClientSampleId :
MW-06



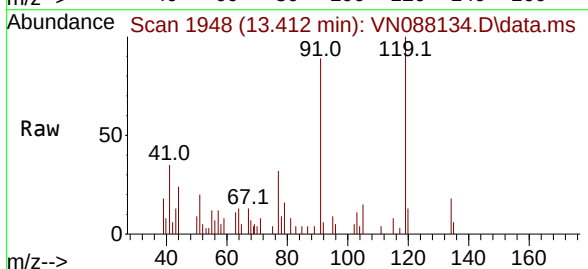
Tgt Ion:105 Resp: 1870
Ion Ratio Lower Upper
105 100
120 52.4 23.2 69.6

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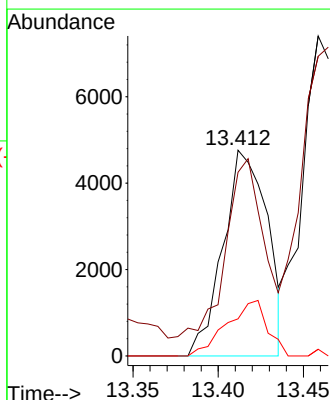
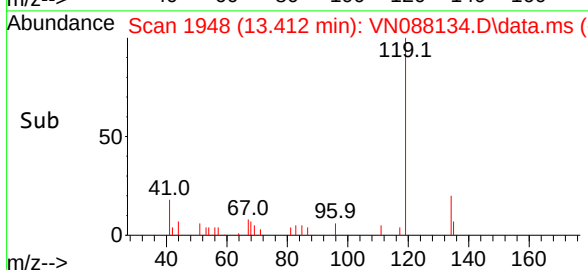
Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025

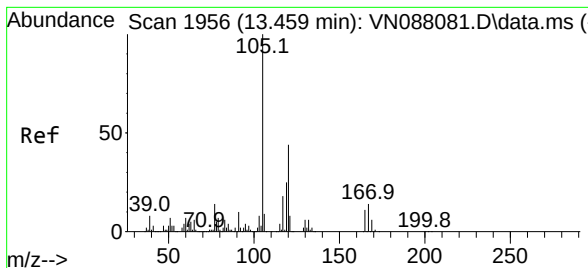


#83
tert-Butylbenzene
Concen: 0.596 ug/l
RT: 13.412 min Scan# 1948
Delta R.T. -0.006 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17



Tgt Ion:119 Resp: 8602
Ion Ratio Lower Upper
119 100
91 74.4 35.0 105.0
134 24.7 12.6 37.8





#84

1,2,4-Trimethylbenzene

Concen: 6.445 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.000 min

Lab File: VN088134.D

Acq: 28 Oct 2025 13:17

Instrument :

MSVOA_N

ClientSampleId :

MW-06

Tgt Ion:105 Resp: 10411

Ion Ratio Lower Upper

105 100

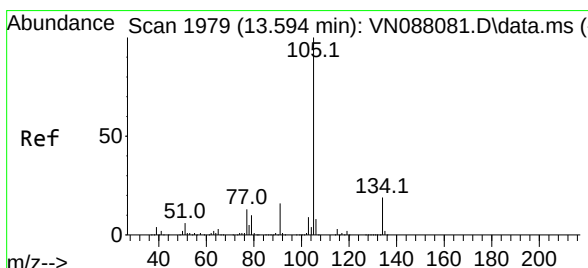
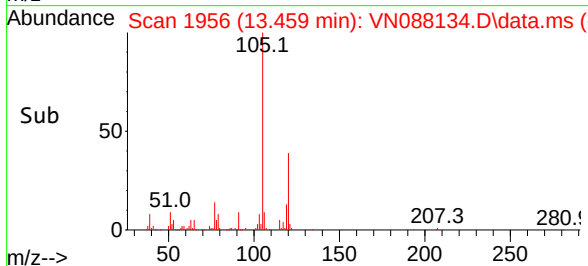
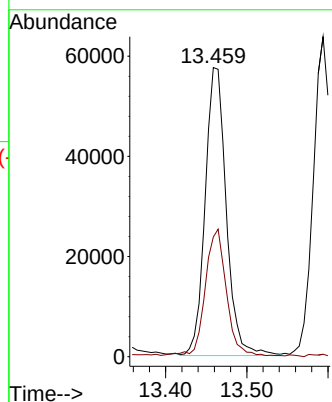
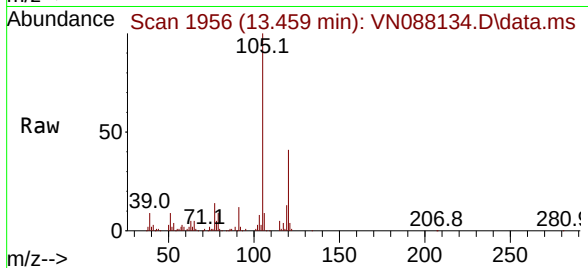
120 44.2 22.0 66.0

Manual Integrations

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Reviewed By :John Carlone 10/29/2025

Supervised By :Semsettin Yesilyurt 10/29/2025



#85

sec-Butylbenzene

Concen: 4.967 ug/l

RT: 13.594 min Scan# 1979

Delta R.T. -0.000 min

Lab File: VN088134.D

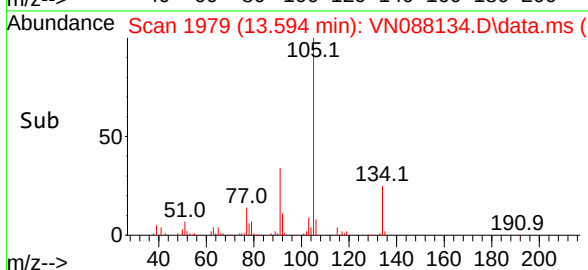
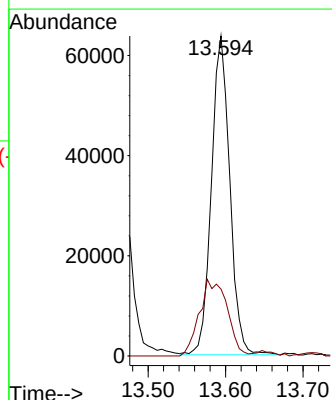
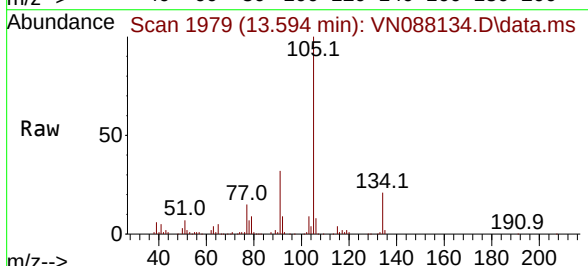
Acq: 28 Oct 2025 13:17

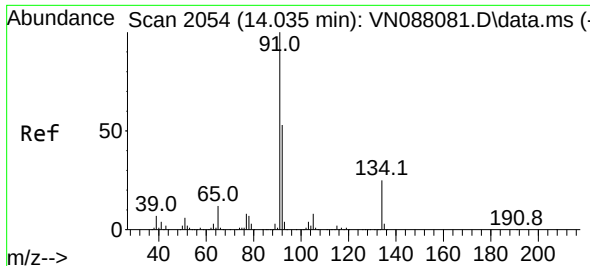
Tgt Ion:105 Resp: 105254

Ion Ratio Lower Upper

105 100

134 35.9 9.6 28.6#





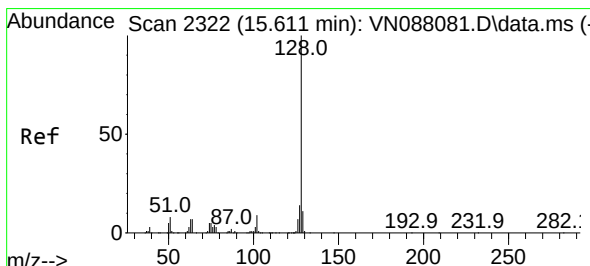
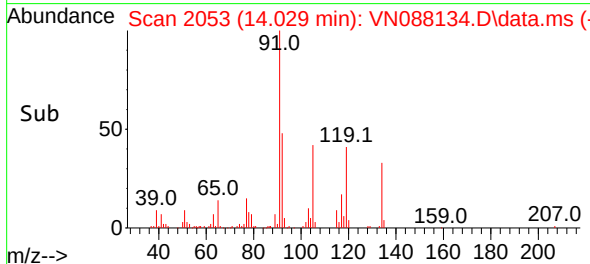
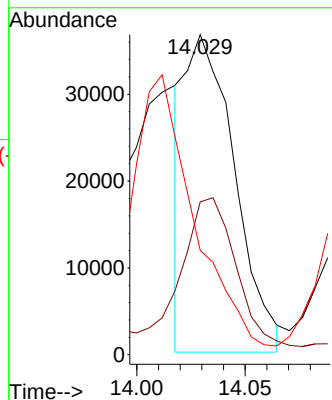
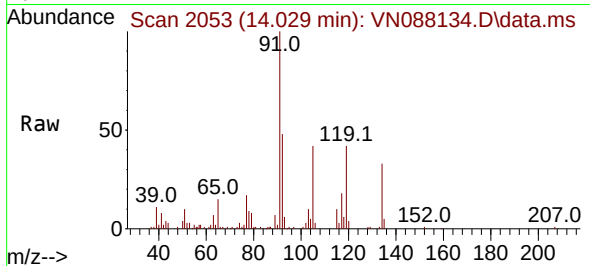
#89
n-Butylbenzene
Concen: 3.478 ug/l m
RT: 14.029 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17

Instrument :
MSVOA_N
ClientSampleId :
MW-06

Tgt Ion: 91 Resp: 5856
Ion Ratio Lower Upper
91 100
92 57.0 25.9 77.8
134 0.0 11.7 35.0

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Reviewed By :John Carlone 10/29/2025
Supervised By :Semsettin Yesilyurt 10/29/2025



#95
Naphthalene
Concen: 56.635 ug/l
RT: 15.611 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VN088134.D
Acq: 28 Oct 2025 13:17

Tgt Ion:128 Resp: 947932
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.8 8.6 12.8

