

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102725\
 Data File : VN088122.D
 Acq On : 27 Oct 2025 18:00
 Operator : JC\MD
 Sample : Q3468-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-06

Quant Time: Oct 28 01:32:17 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

Manual Integrations APPROVED

Reviewed By :John Carlone 10/29/2025
 Supervised By :Mahesh Dadoda 10/29/2025

Supervised By :Mahesh
 Dadoda
 10/29/2025

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	290141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	663687	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	646735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	342261	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	294966	58.792	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.580%
35) Dibromofluoromethane	8.147	113	210885	47.298	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.600%
50) Toluene-d8	10.547	98	790369	46.005	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.000%
62) 4-Bromofluorobenzene	12.823	95	346000	57.026	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	114.060%

Target Compounds

						Qvalue
16) Acetone	4.424	43	18434	7.314	ug/l #	88
39) Methylcyclohexane	9.576	83	51197	6.118	ug/l	94
40) Benzene	8.588	78	126026	6.356	ug/l	99
52) Toluene	10.612	92	15191	1.243	ug/l	98
67) Ethyl Benzene	11.941	91	140014	5.432	ug/l	97
68) m/p-Xylenes	12.047	106	74533	7.717	ug/l	96
73) Isopropylbenzene	12.670	105	548968	20.796	ug/l	100
78) n-propylbenzene	13.012	91	1472587	45.712	ug/l	96
80) 1,3,5-Trimethylbenzene	13.153	105	43481	1.983	ug/l	89
84) 1,2,4-Trimethylbenzene	13.459	105	177338	8.085	ug/l	90
85) sec-Butylbenzene	13.594	105	117636	4.088	ug/l #	55
89) n-Butylbenzene	14.029	91	85580m	3.743	ug/l	
95) Naphthalene	15.611	128	1080319m	47.536	ug/l	

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

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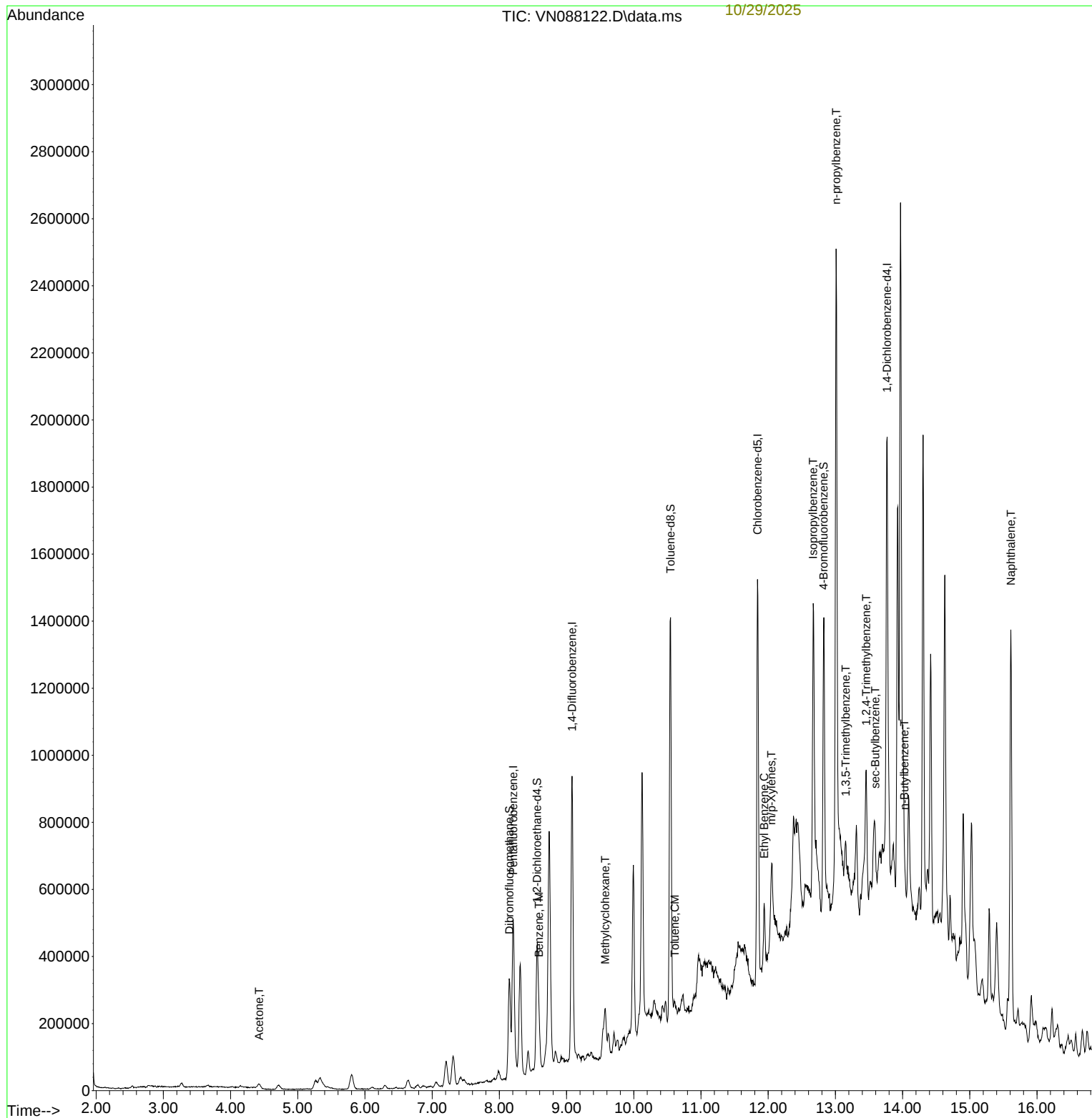
Instrument :
MSVOA_N
ClientSampleId :
MW-06

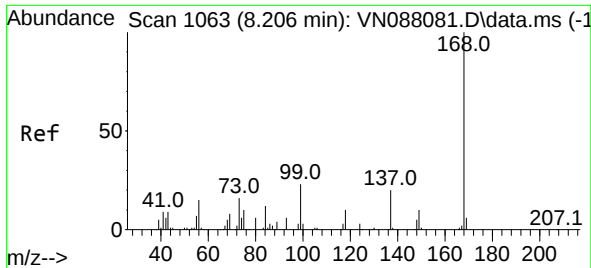
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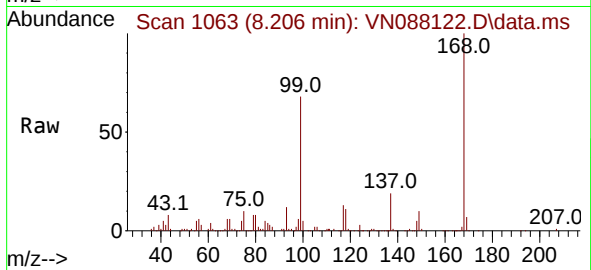
Supervised By :Mahesh
Dadoda
10/29/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00

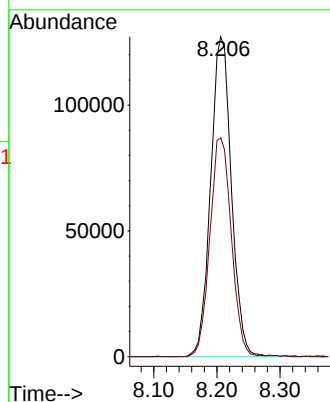
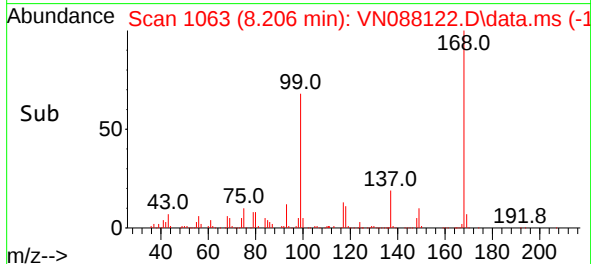
Instrument :
MSVOA_N
ClientSampleId :
MW-06



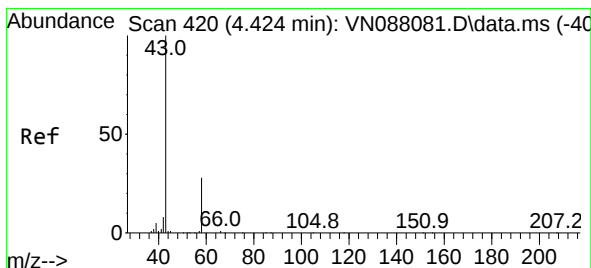
Tgt Ion:168 Resp: 29014
Ion Ratio Lower Upper
168 100
99 68.3 57.2 85.8

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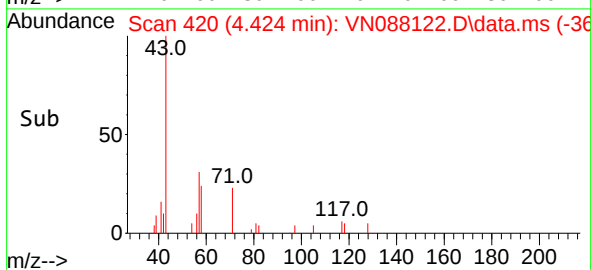
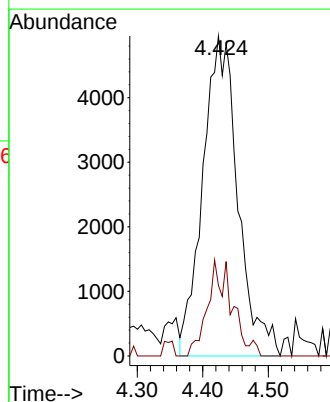
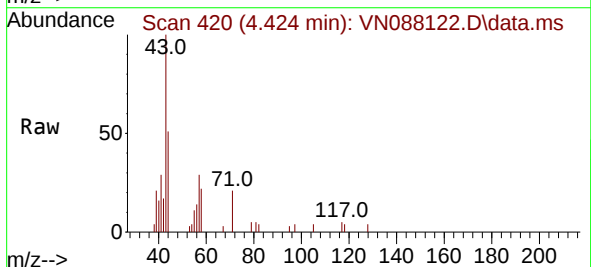


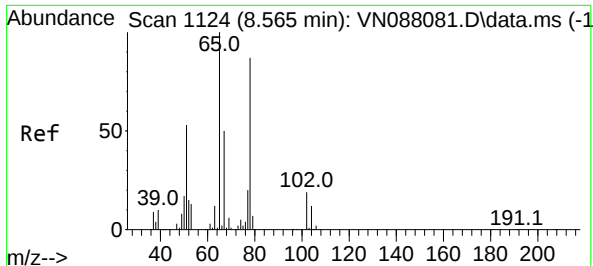
Supervised By :Mahesh
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#16
Acetone
Concen: 7.314 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00

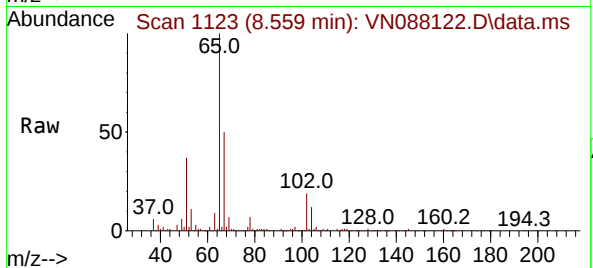
Tgt Ion: 43 Resp: 18434
Ion Ratio Lower Upper
43 100
58 22.1 22.6 33.8#





#33
1,2-Dichloroethane-d4
Concen: 58.792 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00

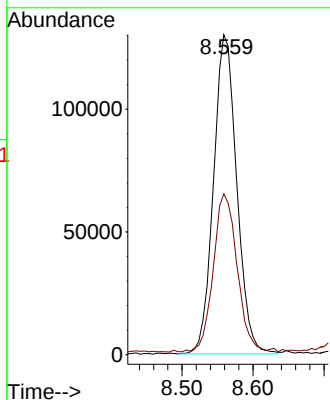
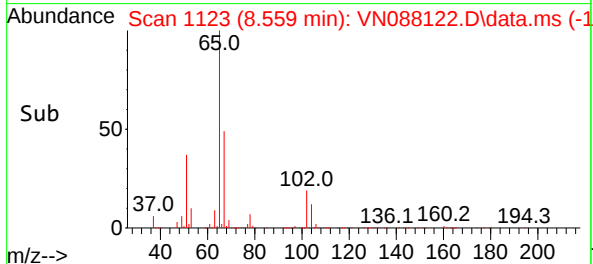
Instrument :
MSVOA_N
ClientSampleId :
MW-06



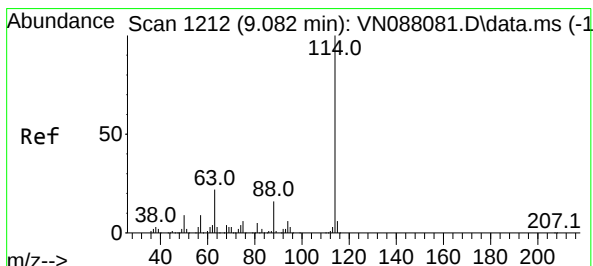
Tgt Ion: 65 Resp: 294960
Ion Ratio Lower Upper
65 100
67 50.4 0.0 100.0

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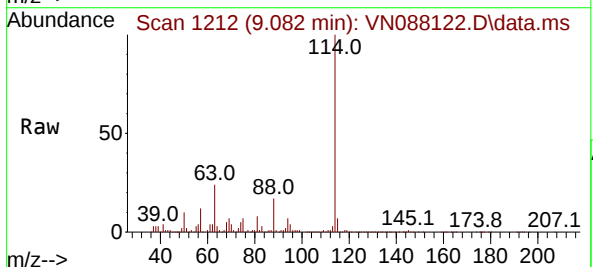
Reviewed By :John Carlone 10/29/2025
Supervised By :Mahesh Dadoda 10/29/2025



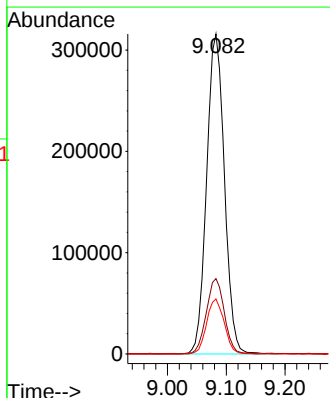
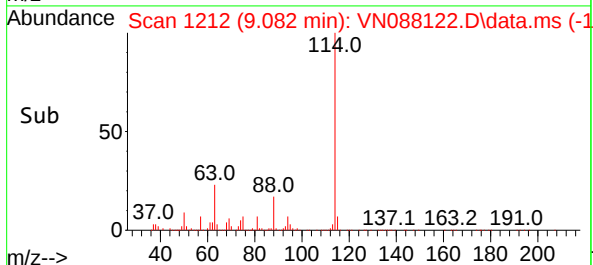
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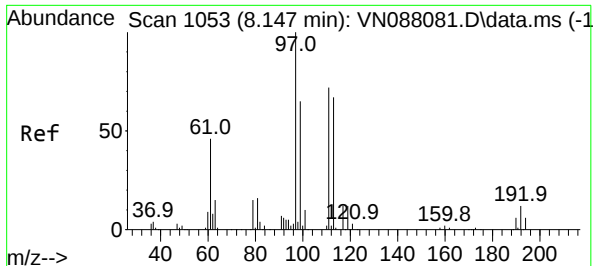


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00



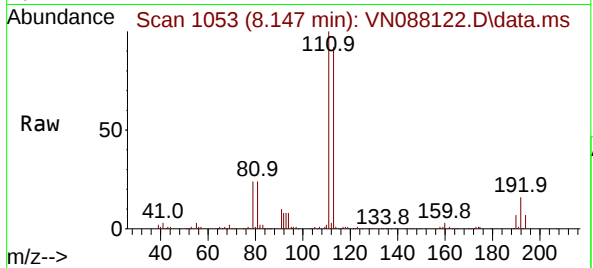
Tgt Ion:114 Resp: 663687
Ion Ratio Lower Upper
114 100
63 23.5 0.0 45.2
88 17.2 0.0 33.4





#35
Dibromofluoromethane
Concen: 47.298 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00

Instrument :
MSVOA_N
ClientSampleId :
MW-06

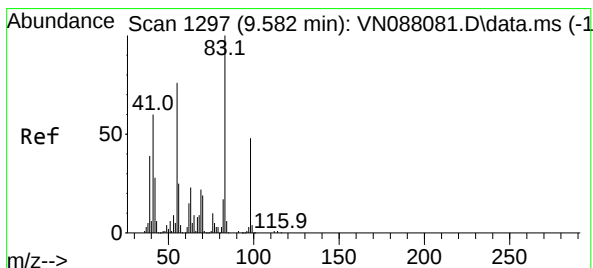
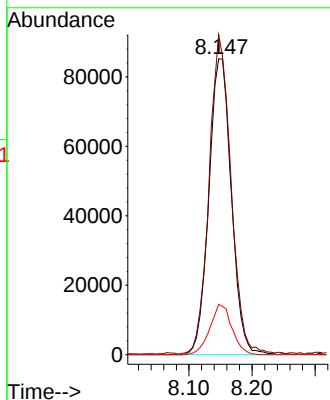
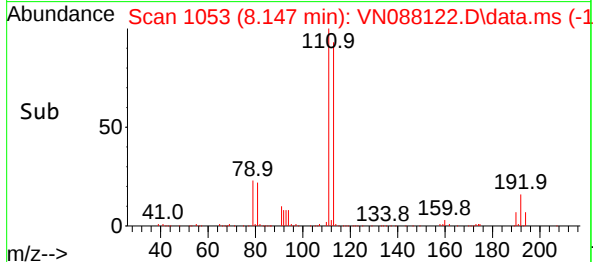


Tgt Ion: 113 Resp: 21088
Ion Ratio Lower Upper
113 100
111 104.9 82.8 124.2
192 16.6 12.8 19.2

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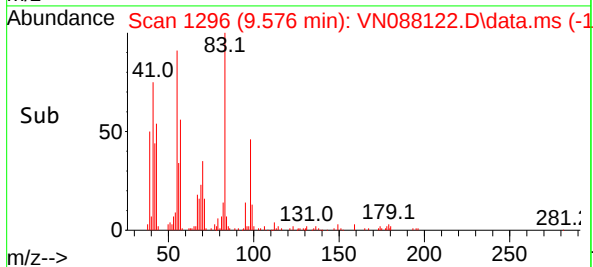
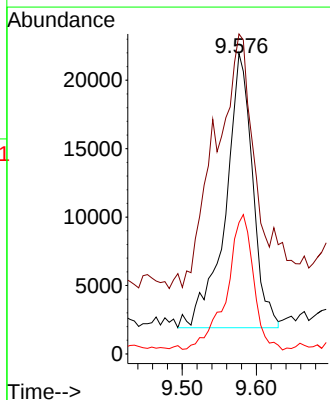
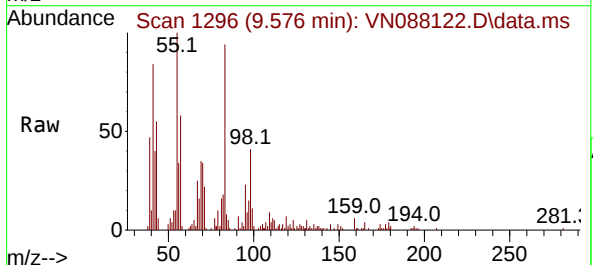
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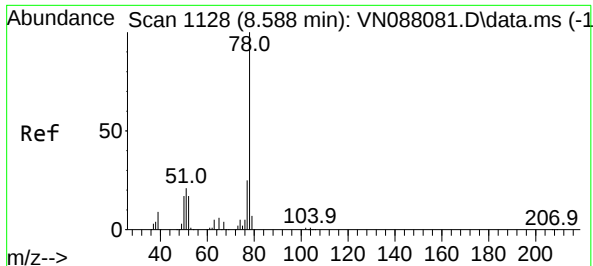
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#39
Methylcyclohexane
Concen: 6.118 ug/l
RT: 9.576 min Scan# 1296
Delta R.T. -0.006 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00

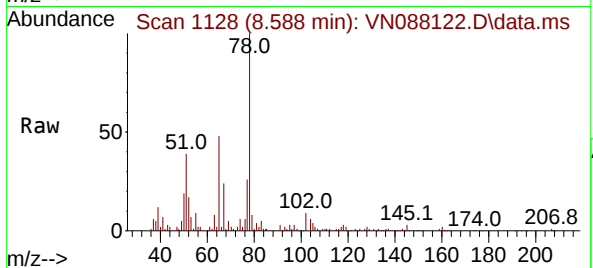
Tgt Ion: 83 Resp: 51197
Ion Ratio Lower Upper
83 100
55 87.4 64.6 96.8
98 44.8 38.4 57.6





#40
Benzene
Concen: 6.356 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00

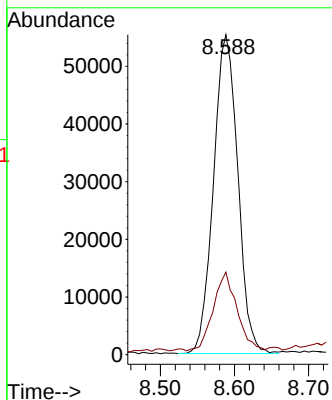
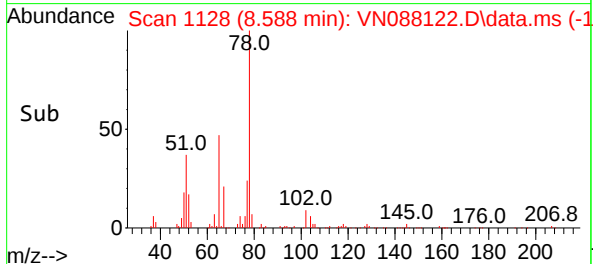
Instrument :
MSVOA_N
ClientSampleId :
MW-06



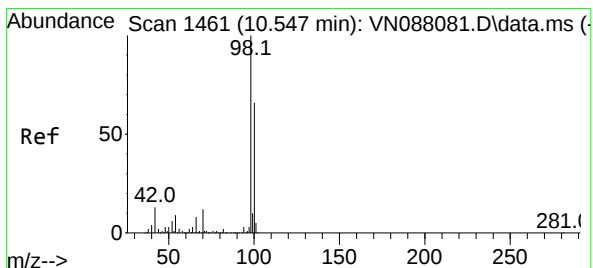
Tgt Ion: 78 Resp: 126020
Ion Ratio Lower Upper
78 100
77 24.1 19.7 29.5

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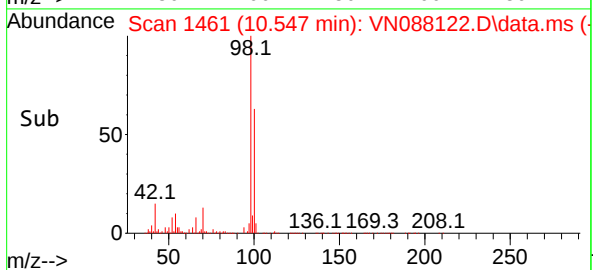
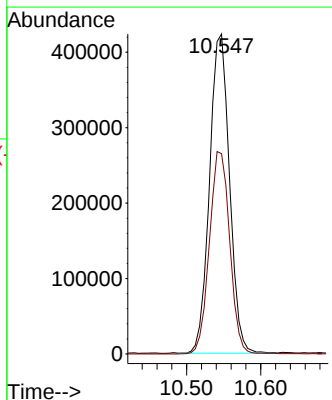
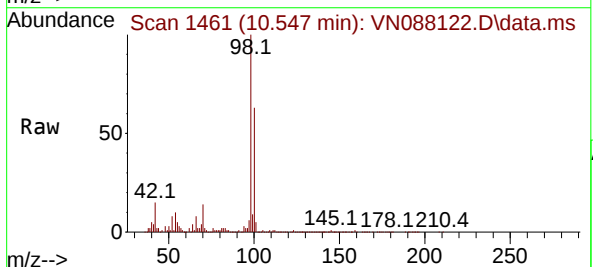


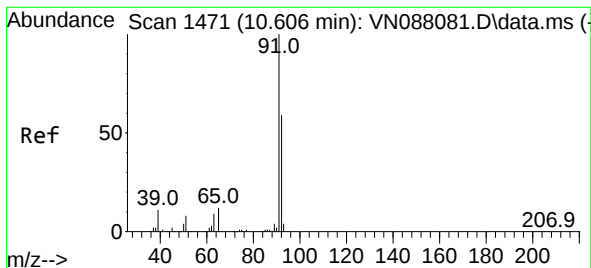
Supervised By :Mahesh
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#50
Toluene-d8
Concen: 46.005 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00

Tgt Ion: 98 Resp: 790369
Ion Ratio Lower Upper
98 100
100 64.8 52.8 79.2





#52

Toluene

Concen: 1.243 ug/l

RT: 10.612 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VN088122.D

Acq: 27 Oct 2025 18:00

Instrument :

MSVOA_N

ClientSampleId :

MW-06

Tgt Ion: 92 Resp: 1519

Ion Ratio Lower Upper

92 100

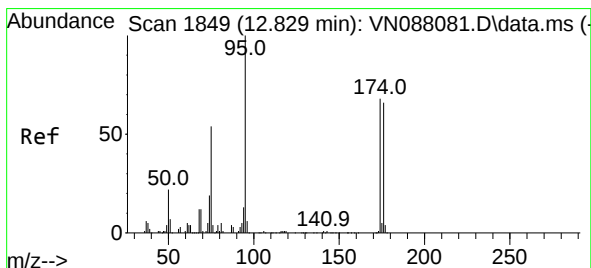
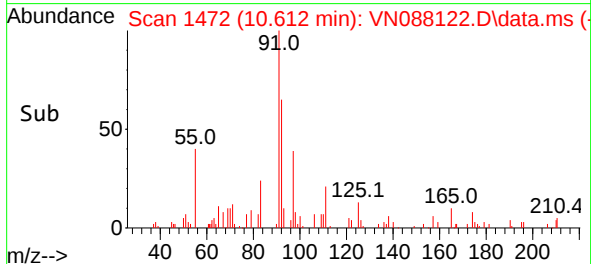
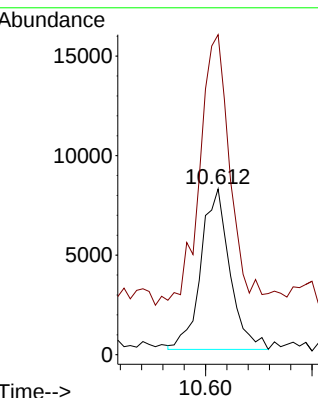
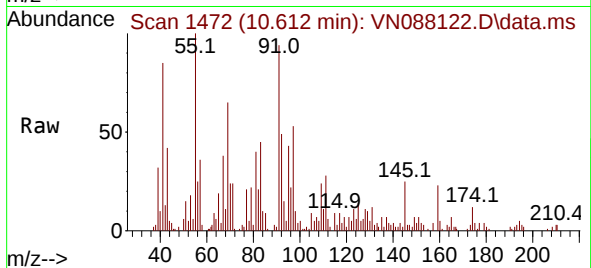
91 177.6 140.4 210.6

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#62

4-Bromofluorobenzene

Concen: 57.026 ug/l

RT: 12.823 min Scan# 1848

Delta R.T. -0.000 min

Lab File: VN088122.D

Acq: 27 Oct 2025 18:00

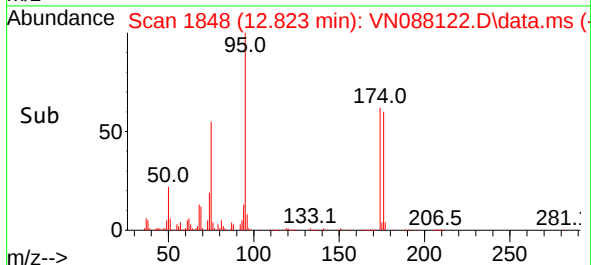
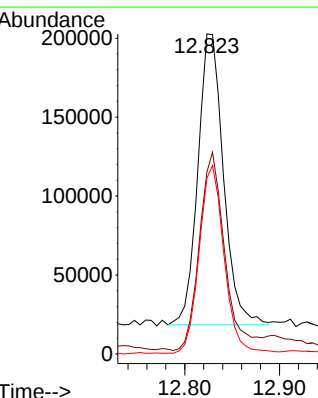
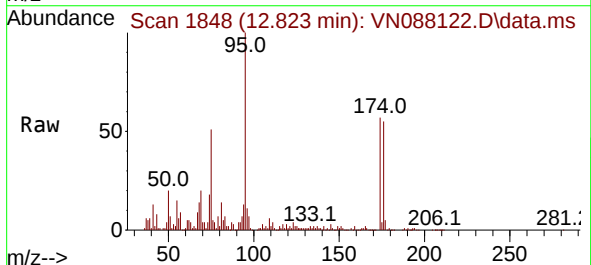
Tgt Ion: 95 Resp: 346000

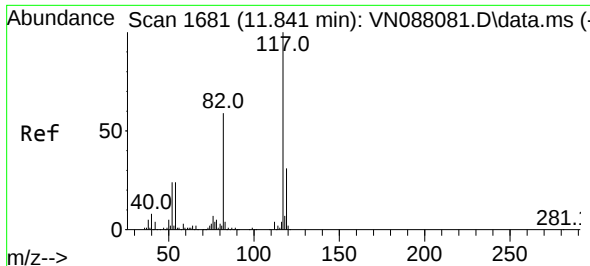
Ion Ratio Lower Upper

95 100

174 68.0 0.0 138.4

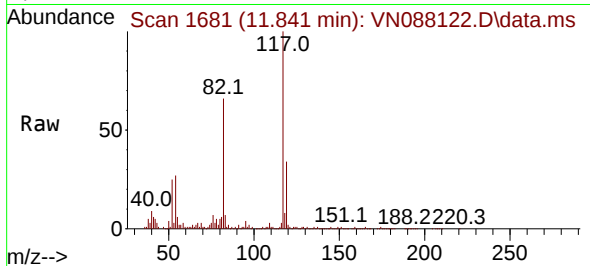
176 62.6 0.0 132.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00

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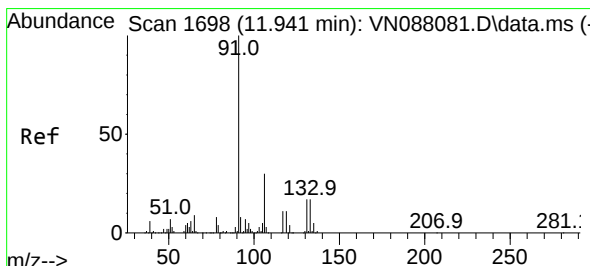
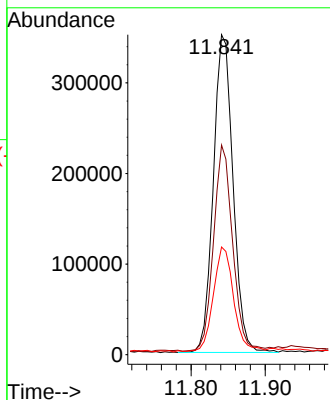
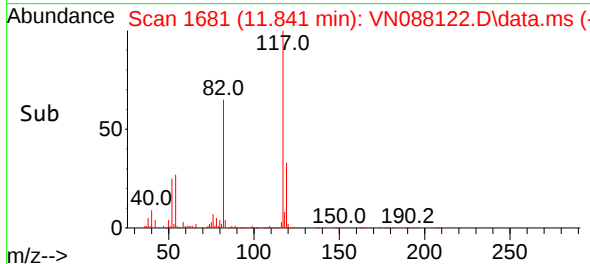


Tgt Ion:117 Resp: 646735
Ion Ratio Lower Upper
117 100
82 64.6 47.4 71.2
119 32.7 24.3 36.5

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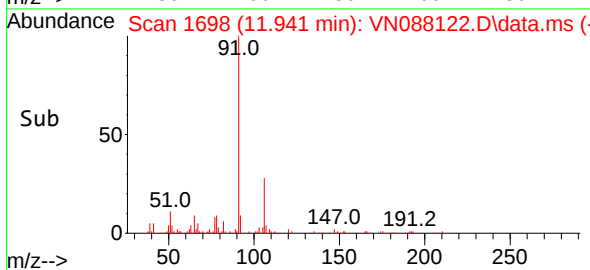
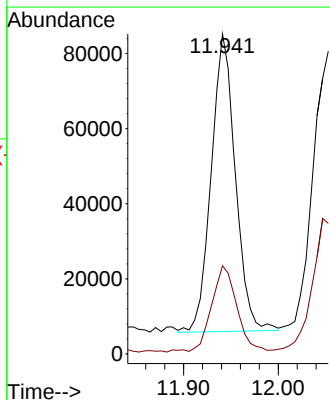
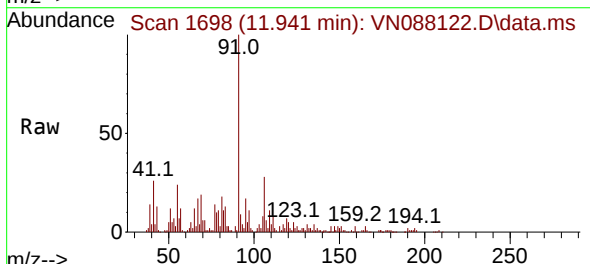
Reviewed By :John Carlone 10/29/2025
Supervised By :Mahesh Dadoda 10/29/2025

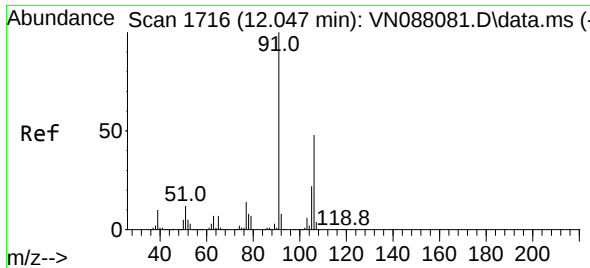
Supervised By :Mahesh
Dadoda
10/29/2025



#67
Ethyl Benzene
Concen: 5.432 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00

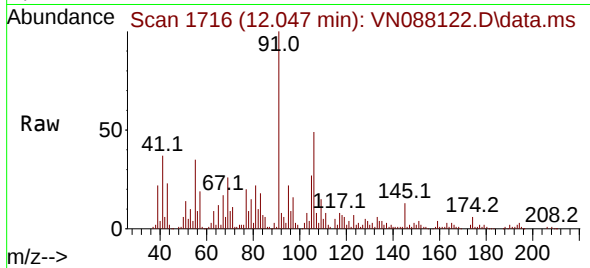
Tgt Ion: 91 Resp: 140014
Ion Ratio Lower Upper
91 100
106 28.5 24.1 36.1





#68
m/p-Xylenes
Concen: 7.717 ug/l
RT: 12.047 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00

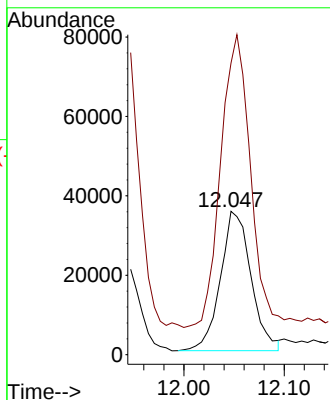
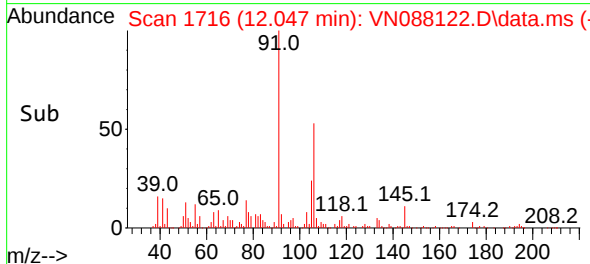
Instrument :
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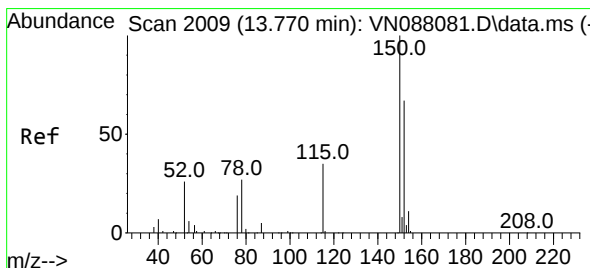
Tgt Ion:106 Resp: 7453
Ion Ratio Lower Upper
106 100
91 205.8 169.3 253.9

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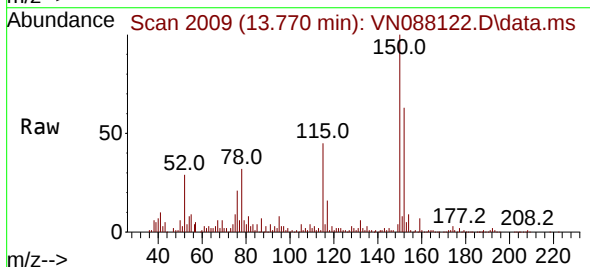
Reviewed By :John Carlone 10/29/2025
Supervised By :Mahesh Dadoda 10/29/2025



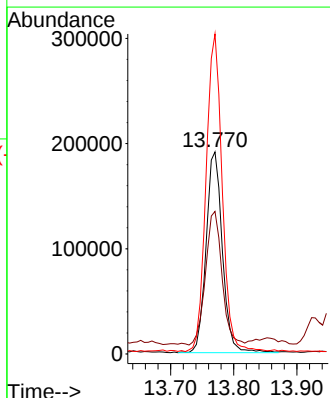
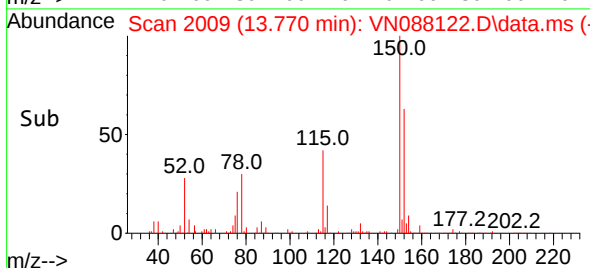
Supervised By :Mahesh
Dadoda
10/29/2025

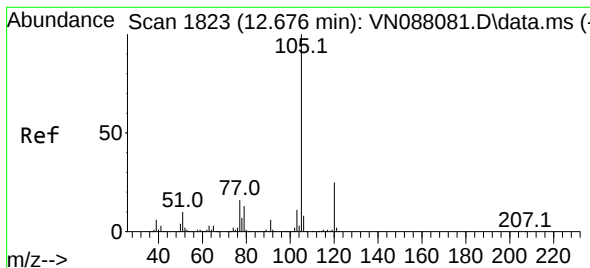


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00



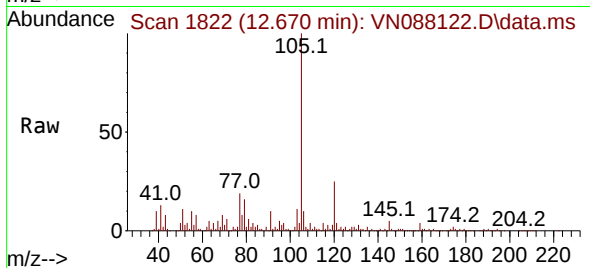
Tgt Ion:152 Resp: 342261
Ion Ratio Lower Upper
152 100
115 67.1 32.3 96.8
150 155.8 0.0 351.0





#73
Isopropylbenzene
Concen: 20.796 ug/l
RT: 12.670 min Scan# 1823
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00

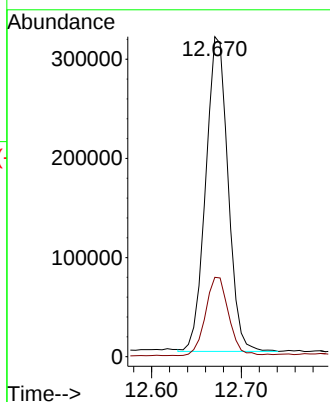
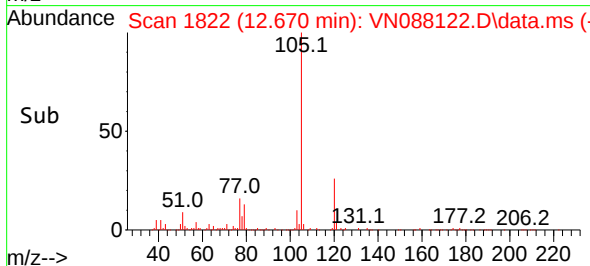
Instrument :
MSVOA_N
ClientSampleId :
MW-06



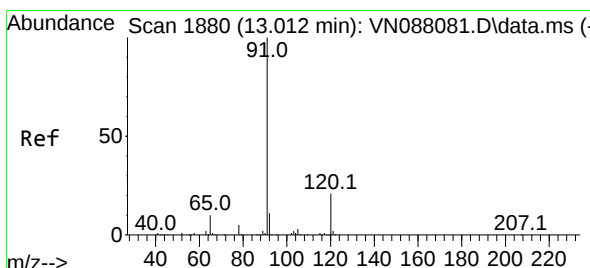
Tgt Ion:105 Resp: 548968
Ion Ratio Lower Upper
105 100
120 25.7 12.8 38.3

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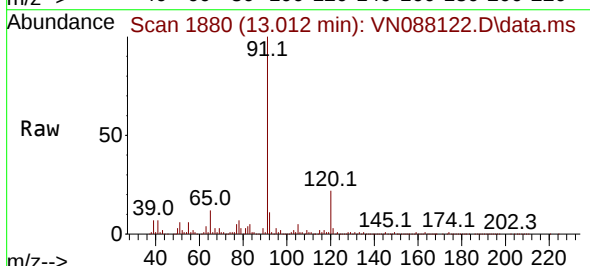
Reviewed By :John Carlone 10/29/2025
Supervised By :Mahesh Dadoda 10/29/2025



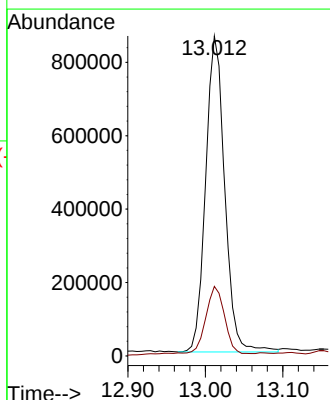
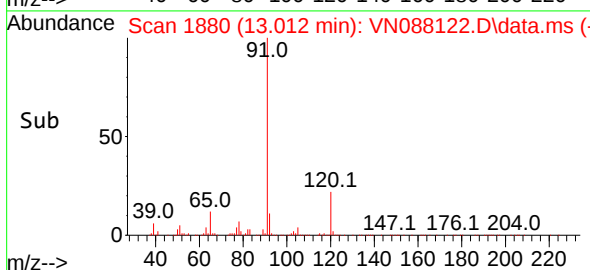
Supervised By :Mahesh
Dadoda
10/29/2025

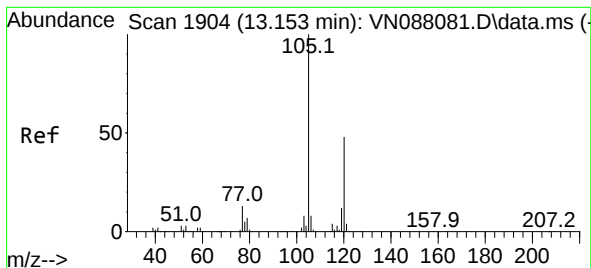


#78
n-propylbenzene
Concen: 45.712 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00



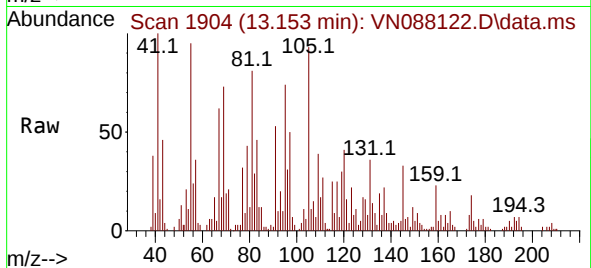
Tgt Ion: 91 Resp: 1472587
Ion Ratio Lower Upper
91 100
120 23.2 10.7 32.1





#80
1,3,5-Trimethylbenzene
Concen: 1.983 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00

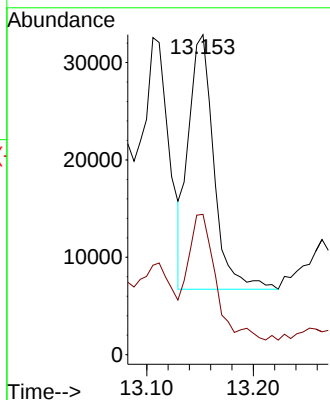
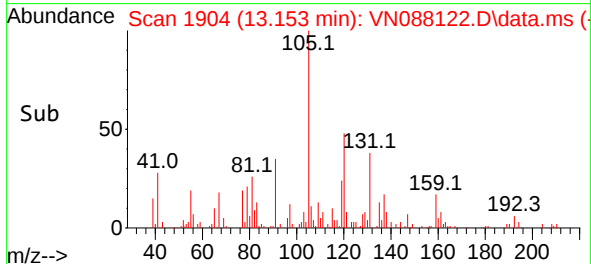
Instrument : MSVOA_N
Client Sample Id : MW-06



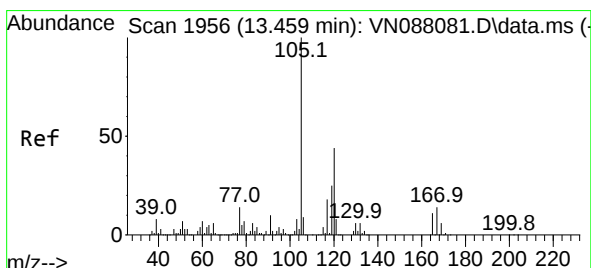
Tgt Ion:105 Resp: 4348
Ion Ratio Lower Upper
105 100
120 53.6 23.2 69.6

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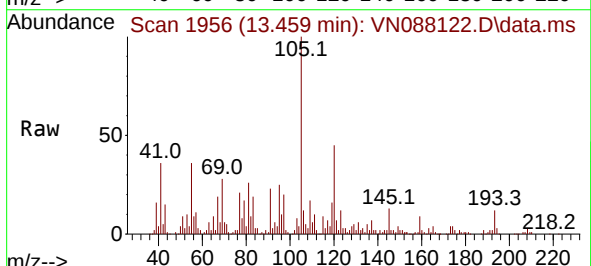
Reviewed By :John Carlone 10/29/2025
Supervised By :Mahesh Dadoda 10/29/2025



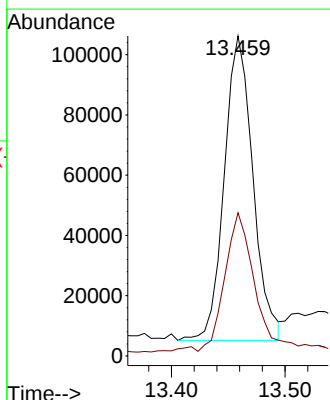
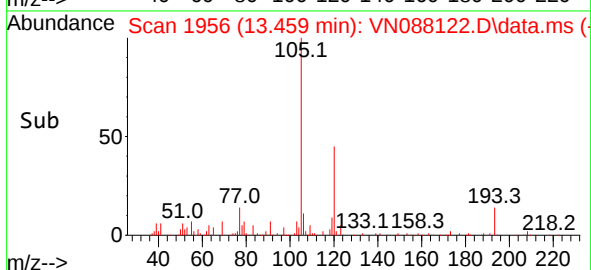
Supervised By :Mahesh
Dadoda
10/29/2025

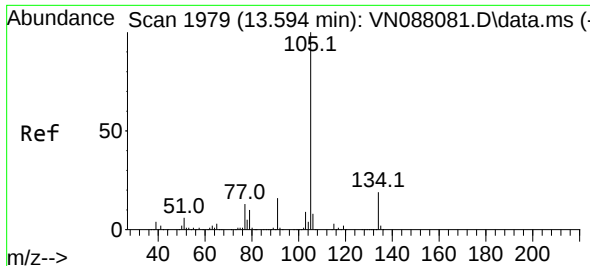


#84
1,2,4-Trimethylbenzene
Concen: 8.085 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00



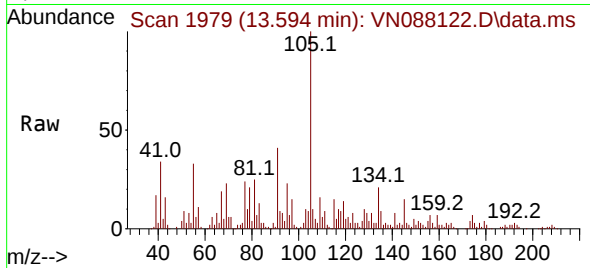
Tgt Ion:105 Resp: 177338
Ion Ratio Lower Upper
105 100
120 50.7 22.0 66.0





#85
sec-Butylbenzene
Concen: 4.088 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00

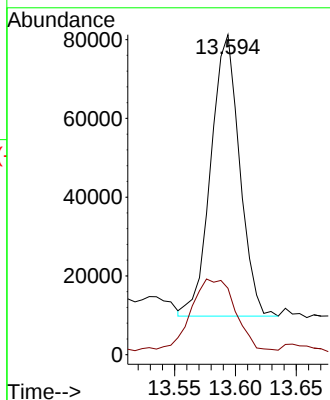
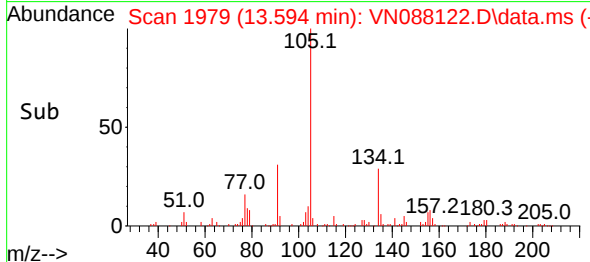
Instrument :
MSVOA_N
ClientSampleId :
MW-06



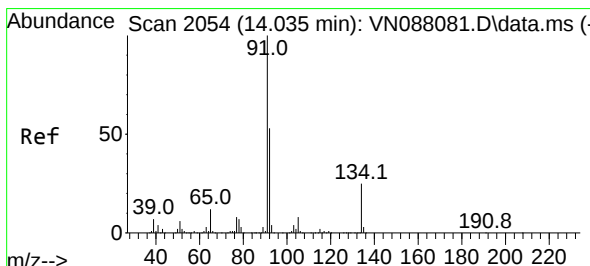
Tgt Ion:105 Resp: 117630
Ion Ratio Lower Upper
105 100
134 39.3 9.6 28.6

Manual Integrations
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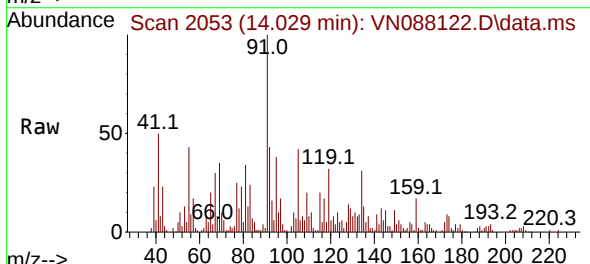
Reviewed By :John Carlone 10/29/2025
Supervised By :Mahesh Dadoda 10/29/2025



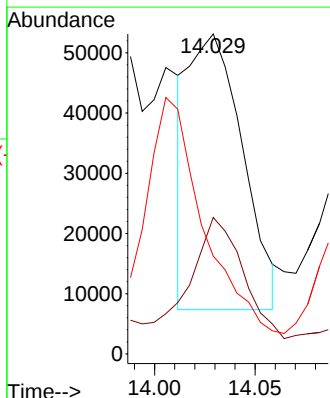
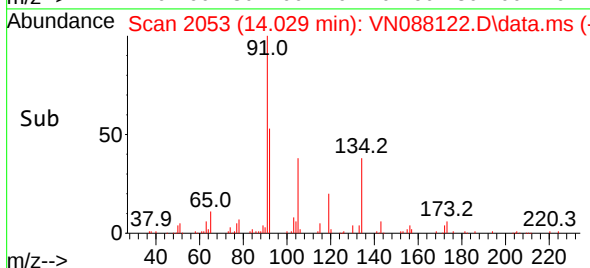
Supervised By :Mahesh
Dadoda
10/29/2025

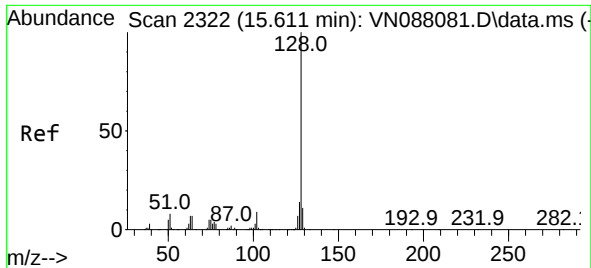


#89
n-Butylbenzene
Concen: 3.743 ug/l m
RT: 14.029 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00



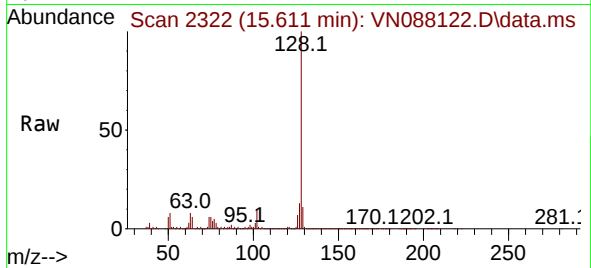
Tgt Ion: 91 Resp: 85580
Ion Ratio Lower Upper
91 100
92 24.7 25.9 77.8#
134 0.0 11.7 35.0#





#95
Naphthalene
Concen: 47.536 ug/l m
RT: 15.611 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN088122.D
Acq: 27 Oct 2025 18:00

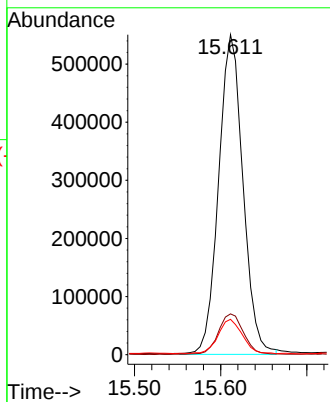
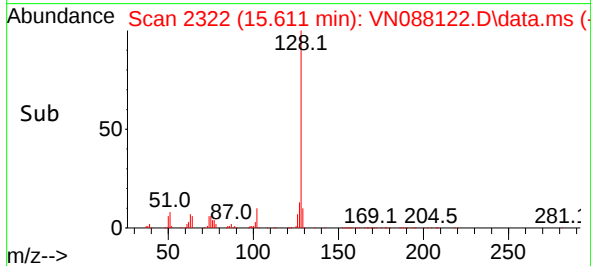
Instrument :
MSVOA_N
ClientSampleId :
MW-06



Tgt Ion:128 Resp: 1080319
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8
129 0.0 8.6 12.8

Manual Integrations
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Supervised By :Mahesh Dadoda 10/29/2025



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Dadoda
10/29/2025