

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088382.D
 Acq On : 01 Dec 2025 14:54
 Operator : JC\MD
 Sample : Q3738-01 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/02/2025
 Supervised By : Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 00:15:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	185775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	424364	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	399578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	196210	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	193149	55.191	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.380%			
35) Dibromofluoromethane	8.147	113	149571	50.860	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.720%			
50) Toluene-d8	10.541	98	544056	49.721	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.440%			
62) 4-Bromofluorobenzene	12.829	95	204984	54.598	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.200%			
Target Compounds					Qvalue	
31) Cyclohexane	8.241	56	31314	6.804	ug/l #	86
39) Methylcyclohexane	9.577	83	65139	13.418	ug/l	96
40) Benzene	8.588	78	13634	1.024	ug/l #	87
52) Toluene	10.606	92	44018	5.723	ug/l	97
67) Ethyl Benzene	11.941	91	53484	3.409	ug/l	97
68) m/p-Xylenes	12.041	106	88902	15.285	ug/l	100
69) o-Xylene	12.376	106	31642	5.706	ug/l	97
73) Isopropylbenzene	12.676	105	12579	0.867	ug/l	99
78) n-propylbenzene	13.012	91	52370	2.951	ug/l	100
80) 1,3,5-Trimethylbenzene	13.153	105	34044	2.832	ug/l	97
84) 1,2,4-Trimethylbenzene	13.459	105	103779	8.685	ug/l	97
89) n-Butylbenzene	14.035	91	11829m	1.012	ug/l	

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

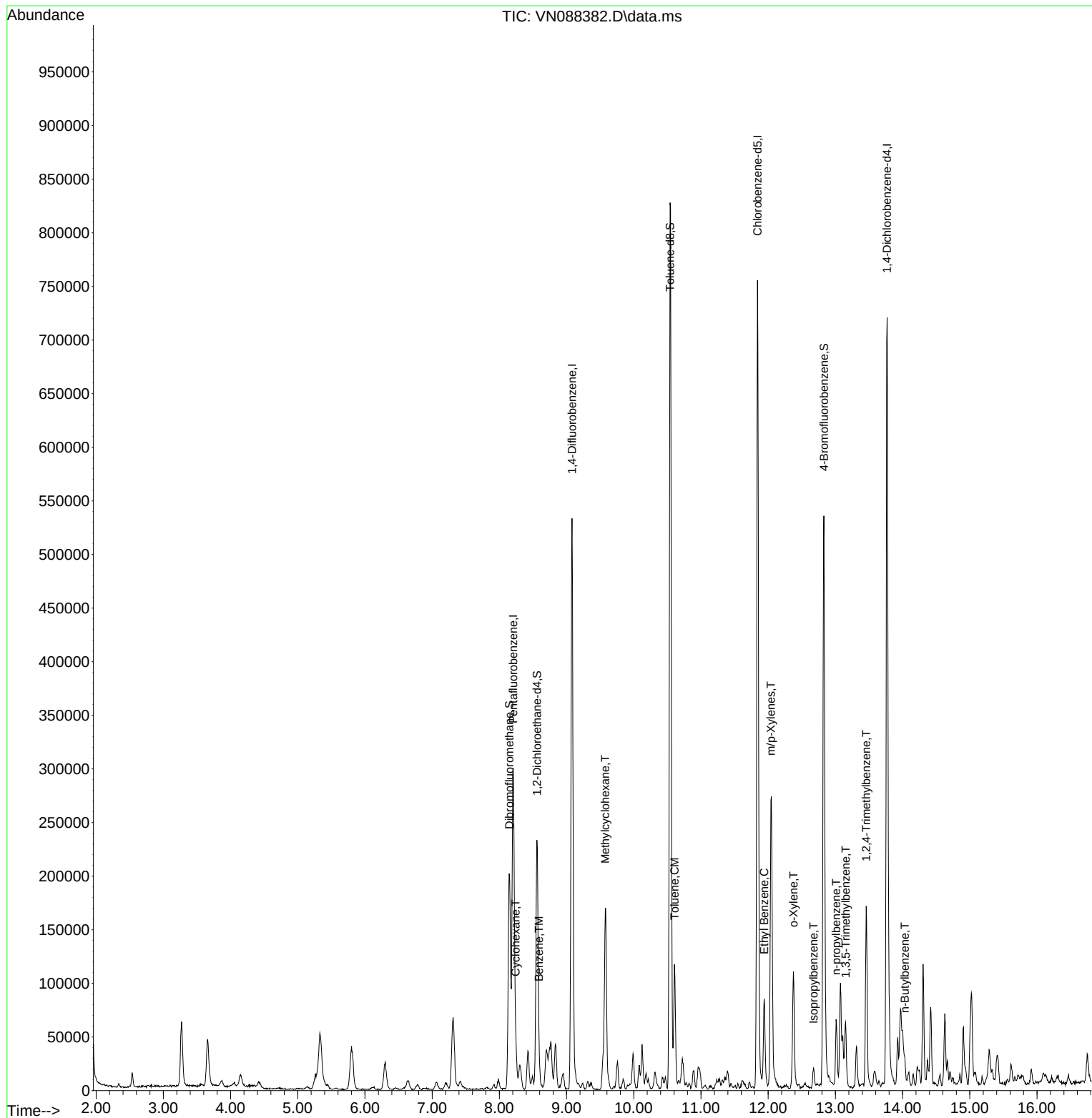
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088382.D
Acq On : 01 Dec 2025 14:54
Operator : JC\MD
Sample : Q3738-01 20X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

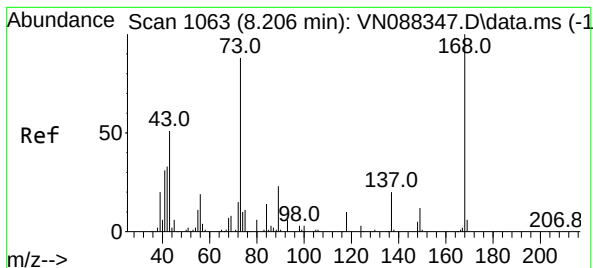
Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Time: Dec 02 00:15:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

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APPROVED

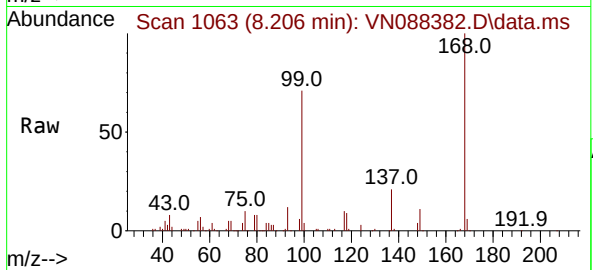
Reviewed By : John Carlone 12/02/2025
Supervised By : Mahesh Dadoda 12/02/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54

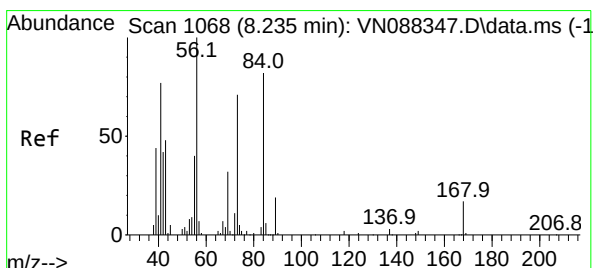
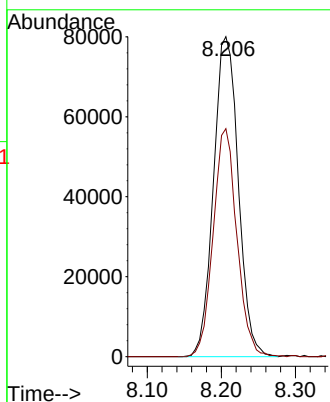
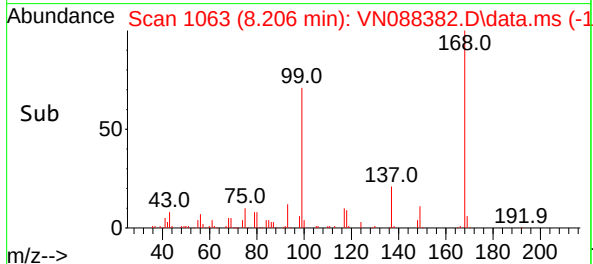
Instrument :
MSVOA_N
ClientSampleId :
MW4



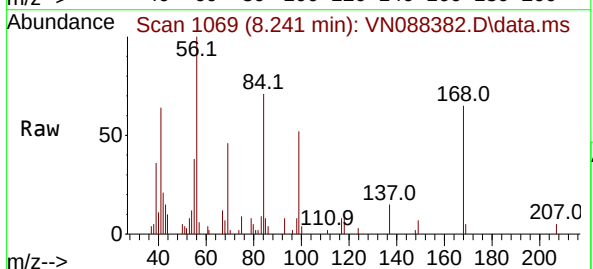
Tgt Ion:168 Resp: 18577
Ion Ratio Lower Upper
168 100
99 71.2 57.1 85.7

Manual Integrations
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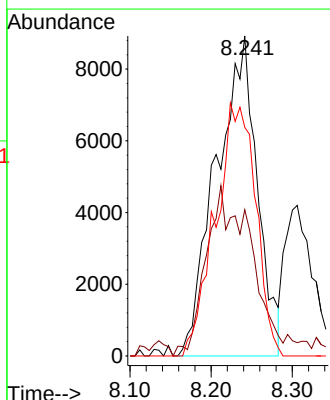
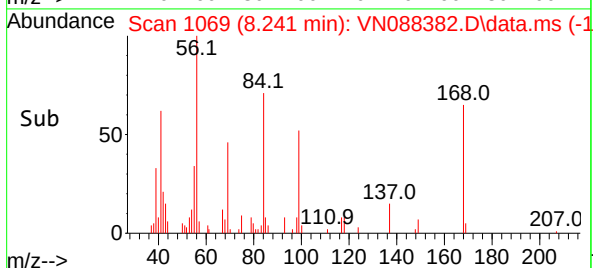
Reviewed By :John Carlone 12/02/2025
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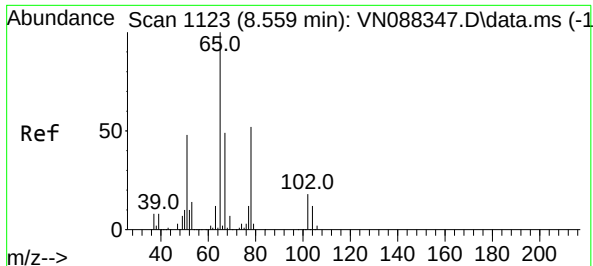


#31
Cyclohexane
Concen: 6.804 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54



Tgt Ion: 56 Resp: 31314
Ion Ratio Lower Upper
56 100
69 42.7 25.3 37.9#
84 71.5 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 55.191 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088382.D

Acq: 01 Dec 2025 14:54

Instrument :

MSVOA_N

ClientSampleId :

MW4

Tgt Ion: 65 Resp: 193149

Ion Ratio Lower Upper

65 100

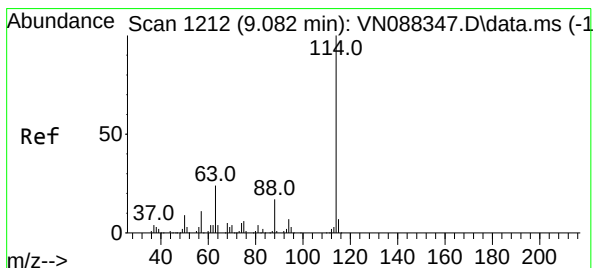
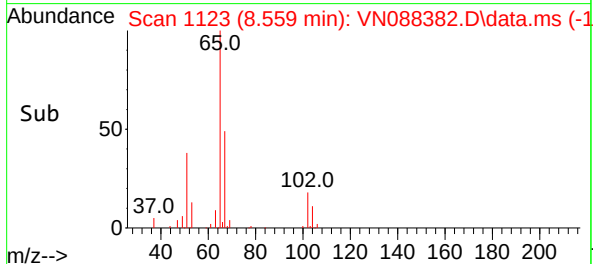
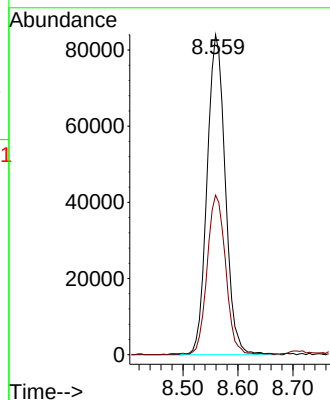
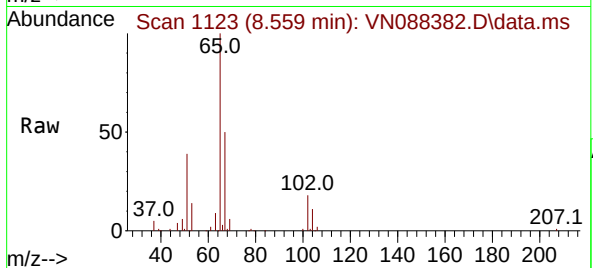
67 50.8 0.0 100.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088382.D

Acq: 01 Dec 2025 14:54

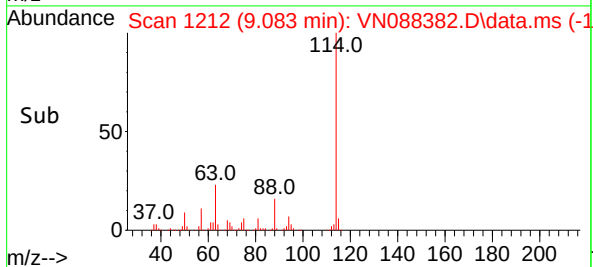
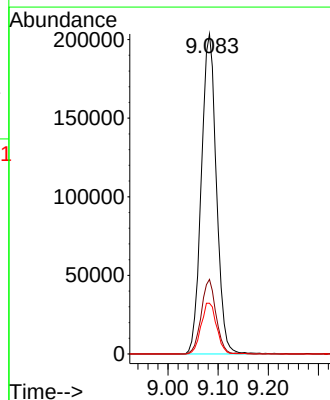
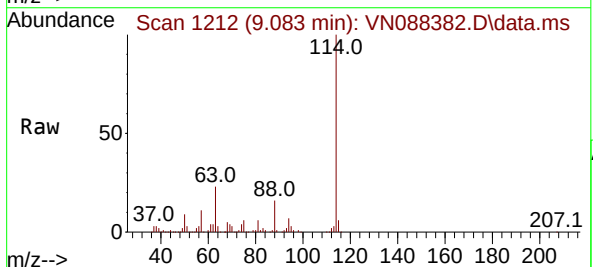
Tgt Ion:114 Resp: 424364

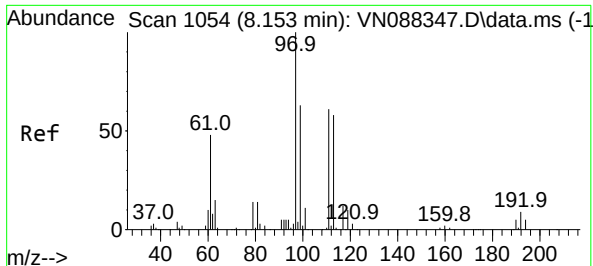
Ion Ratio Lower Upper

114 100

63 23.3 0.0 49.0

88 15.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.860 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088382.D

Acq: 01 Dec 2025 14:54

Instrument :

MSVOA_N

ClientSampleId :

MW4

Tgt Ion: 113 Resp: 14957

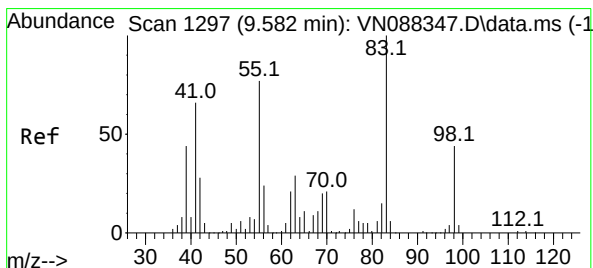
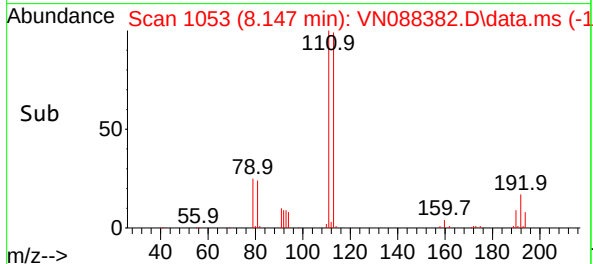
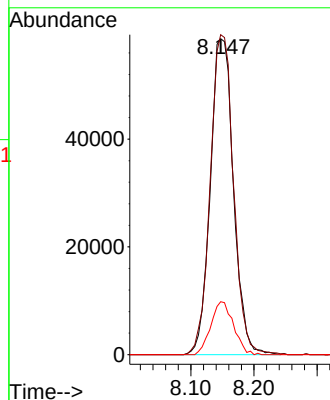
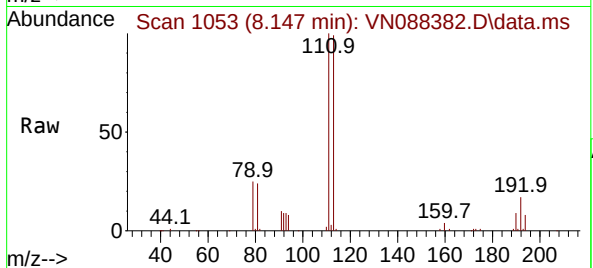
Ion	Ratio	Lower	Upper
113	100		
111	101.3	82.5	123.7
192	16.4	12.8	19.2

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#39

Methylcyclohexane

Concen: 13.418 ug/l

RT: 9.577 min Scan# 1296

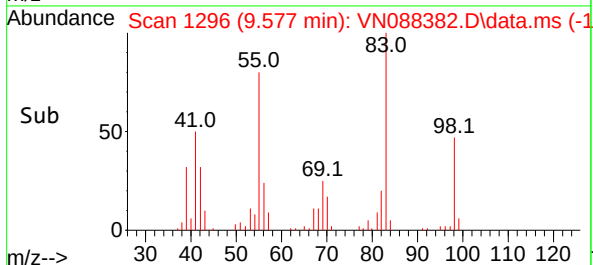
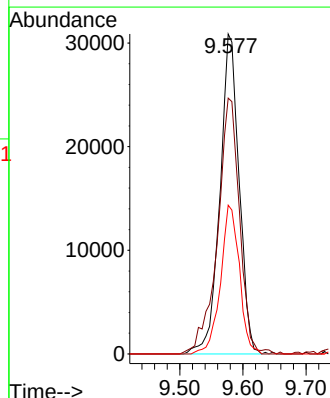
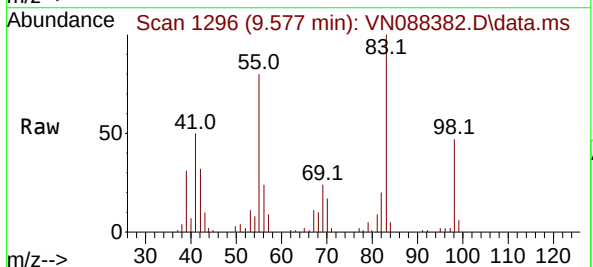
Delta R.T. -0.006 min

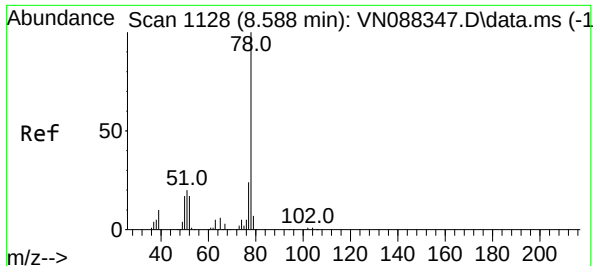
Lab File: VN088382.D

Acq: 01 Dec 2025 14:54

Tgt Ion: 83 Resp: 65139

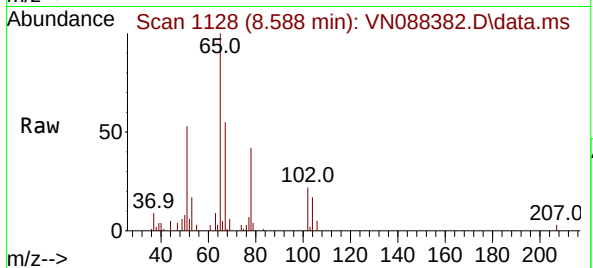
Ion	Ratio	Lower	Upper
83	100		
55	79.9	61.6	92.4
98	46.5	35.3	52.9





#40
Benzene
Concen: 1.024 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54

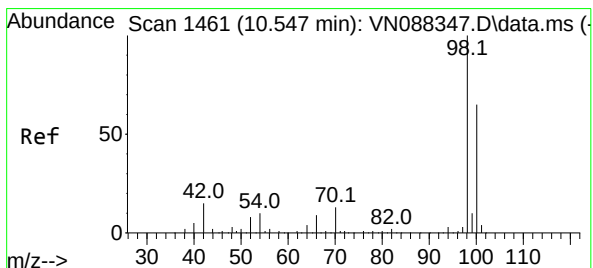
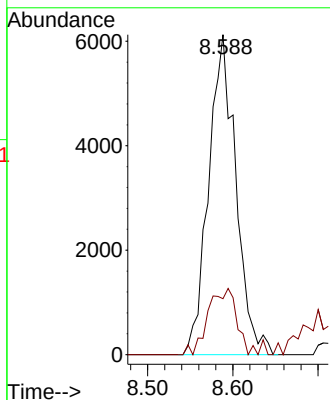
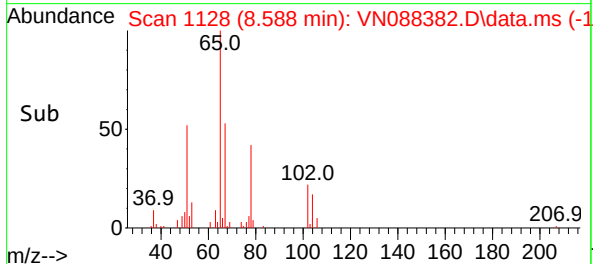
Instrument :
MSVOA_N
ClientSampleId :
MW4



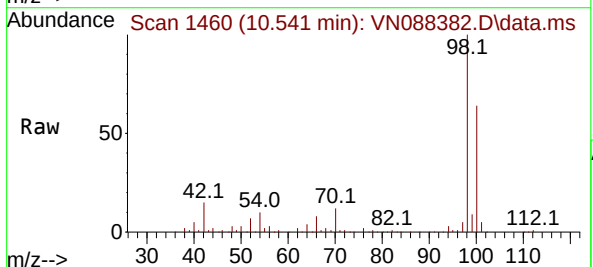
Tgt Ion: 78 Resp: 13634
Ion Ratio Lower Upper
78 100
77 17.5 19.0 28.4

Manual Integrations
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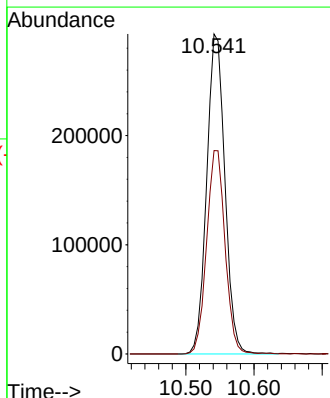
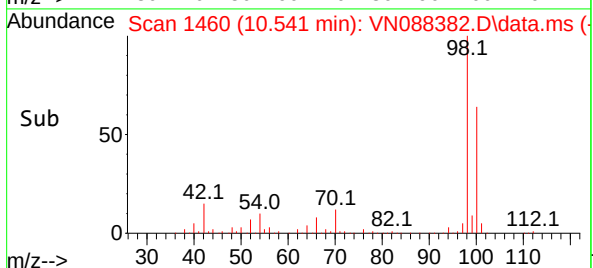
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

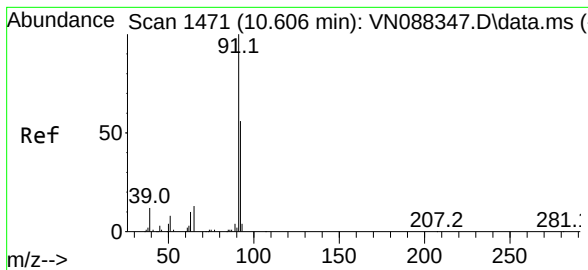


#50
Toluene-d8
Concen: 49.721 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54



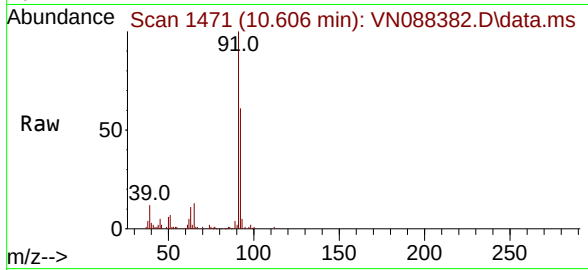
Tgt Ion: 98 Resp: 544056
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2





#52
Toluene
Concen: 5.723 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54

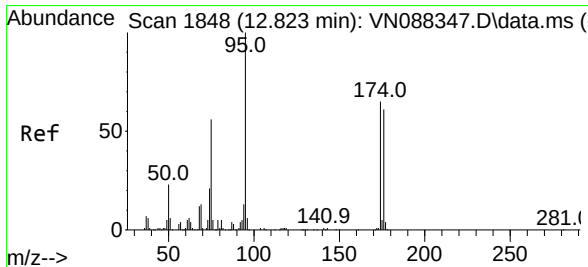
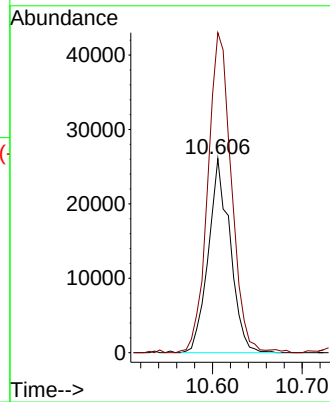
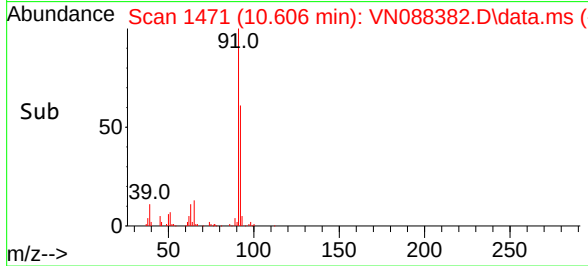
Instrument :
MSVOA_N
ClientSampleId :
MW4



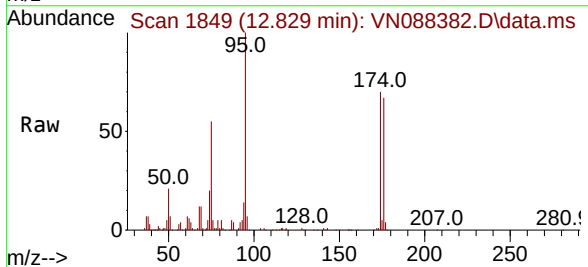
Tgt Ion: 92 Resp: 44018
Ion Ratio Lower Upper
92 100
91 179.0 140.2 210.2

Manual Integrations
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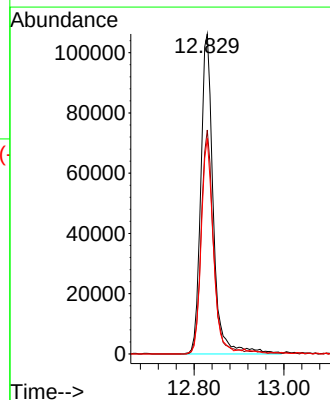
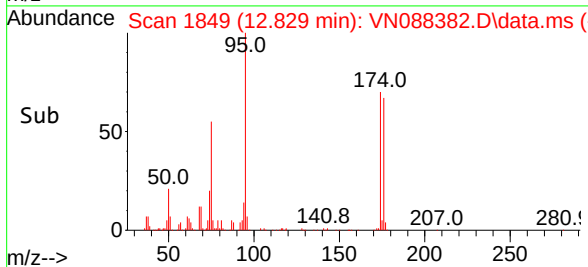
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

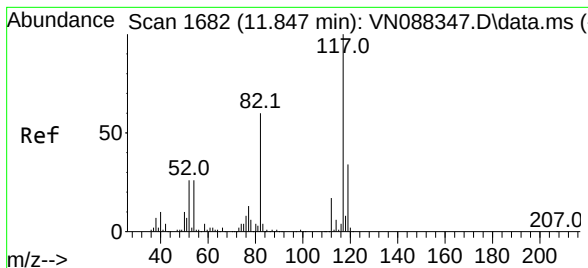


#62
4-Bromofluorobenzene
Concen: 54.598 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54



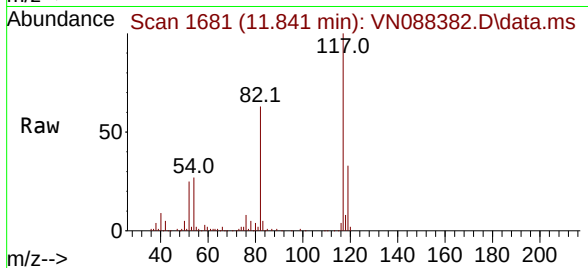
Tgt Ion: 95 Resp: 204984
Ion Ratio Lower Upper
95 100
174 68.8 0.0 139.0
176 64.9 0.0 132.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54

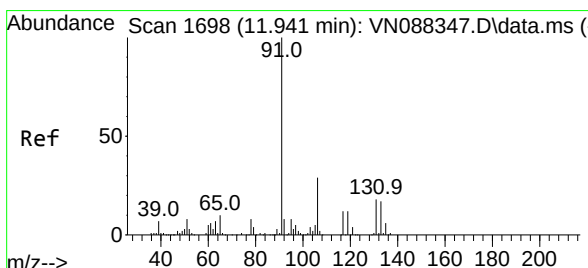
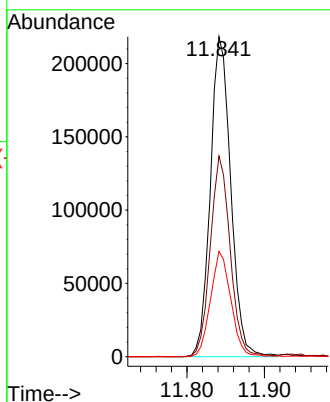
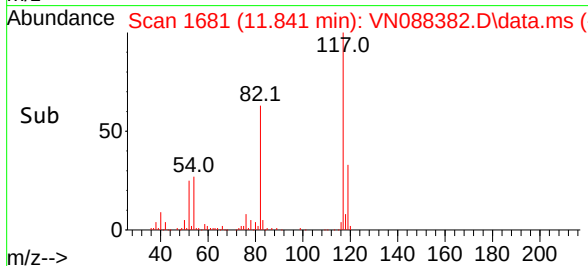
Instrument :
MSVOA_N
ClientSampleId :
MW4



Tgt Ion: 117 Resp: 399578
Ion Ratio Lower Upper
117 100
82 62.7 47.8 71.8
119 32.9 26.9 40.3

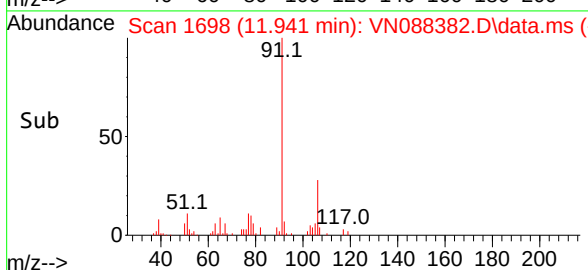
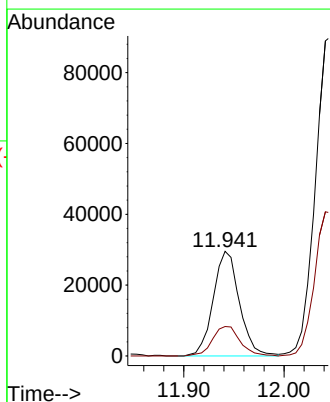
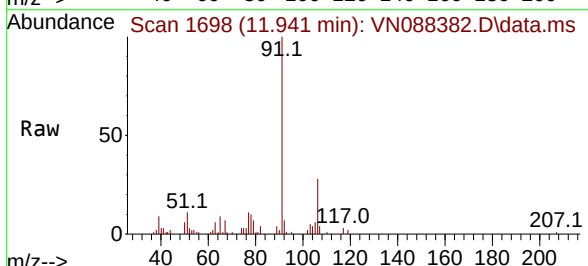
Manual Integrations
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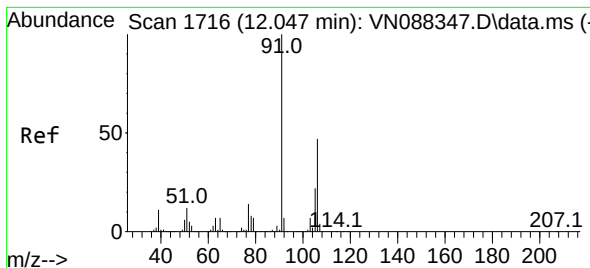
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#67
Ethyl Benzene
Concen: 3.409 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54

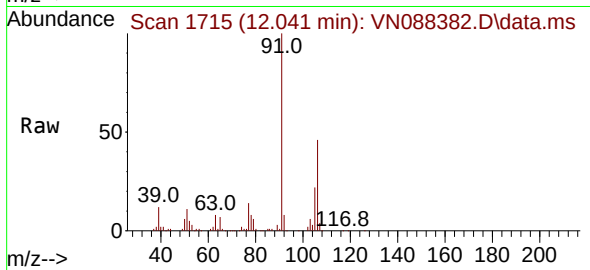
Tgt Ion: 91 Resp: 53484
Ion Ratio Lower Upper
91 100
106 28.1 23.6 35.4





#68
m/p-Xylenes
Concen: 15.285 ug/l
RT: 12.041 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54

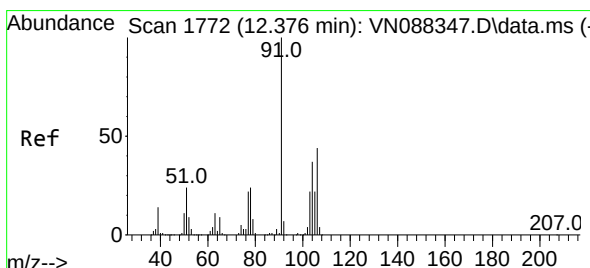
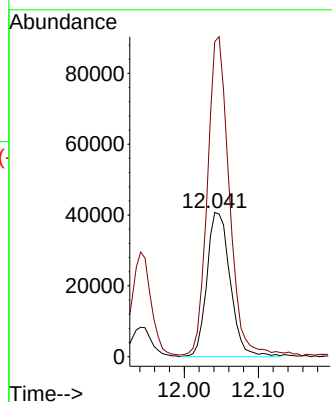
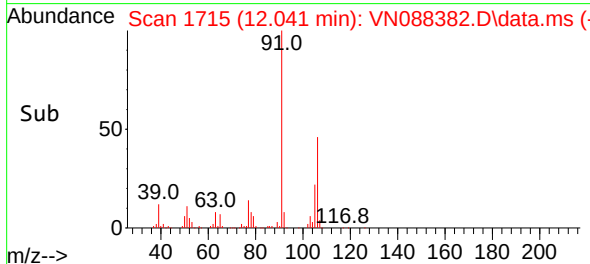
Instrument :
MSVOA_N
ClientSampleId :
MW4



Tgt Ion:106 Resp: 88902
Ion Ratio Lower Upper
106 100
91 209.3 167.8 251.6

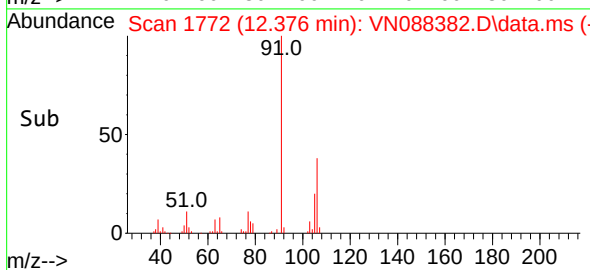
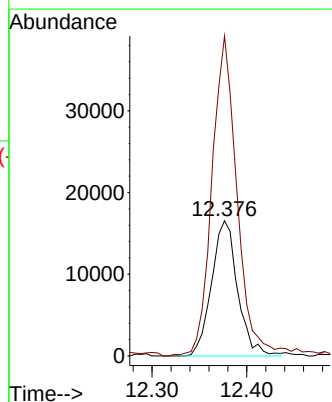
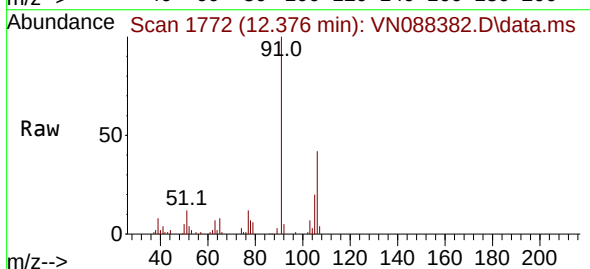
Manual Integrations
APPROVED

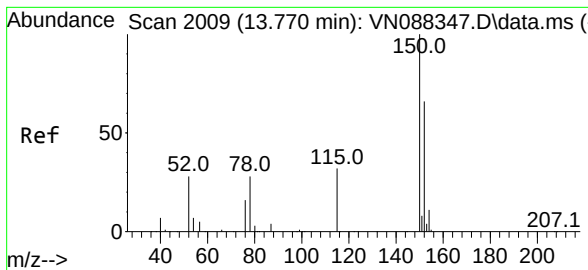
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#69
o-Xylene
Concen: 5.706 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54

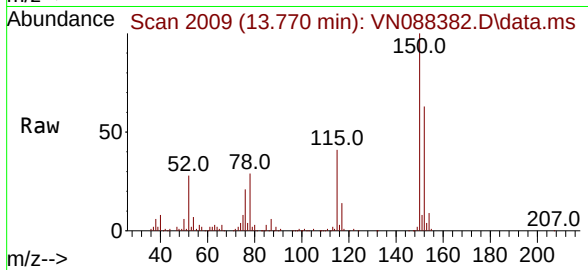
Tgt Ion:106 Resp: 31642
Ion Ratio Lower Upper
106 100
91 231.2 112.9 338.7





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54

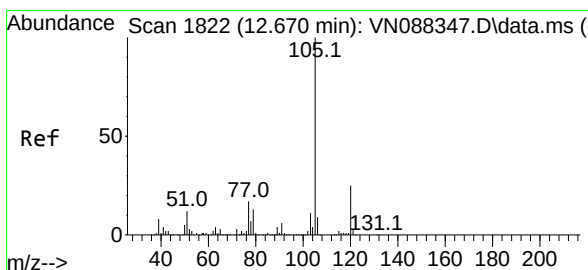
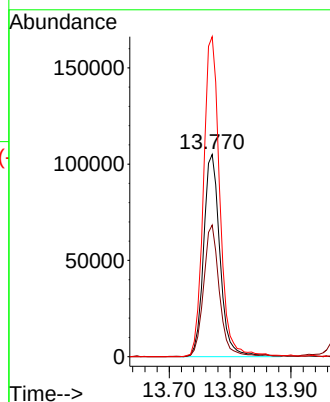
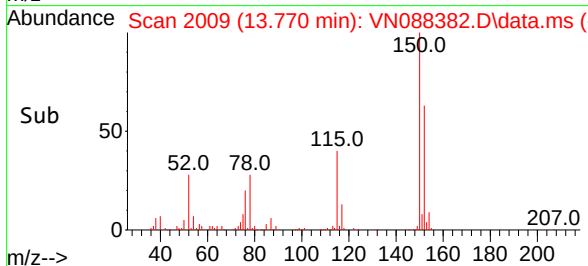
Instrument :
MSVOA_N
ClientSampleId :
MW4



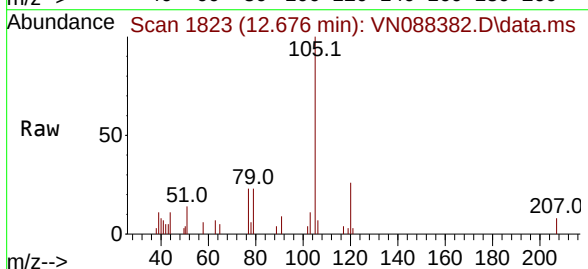
Tgt Ion:152 Resp: 196210
Ion Ratio Lower Upper
152 100
115 62.9 33.0 98.9
150 158.0 0.0 349.0

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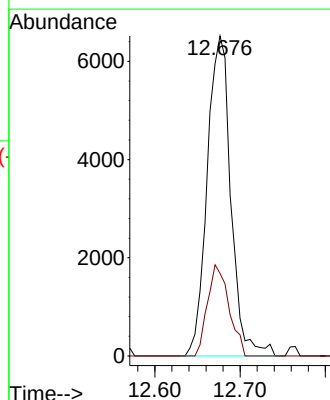
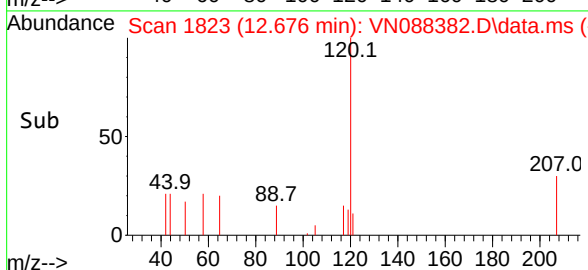
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

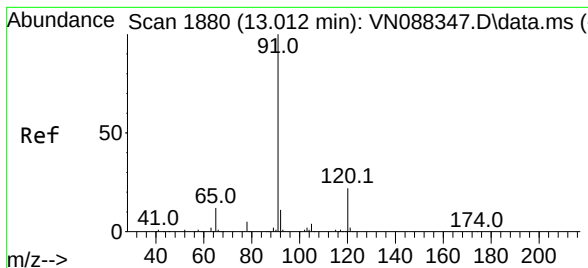


#73
Isopropylbenzene
Concen: 0.867 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54



Tgt Ion:105 Resp: 12579
Ion Ratio Lower Upper
105 100
120 25.8 12.8 38.3





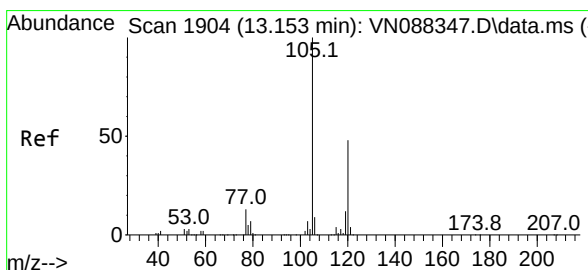
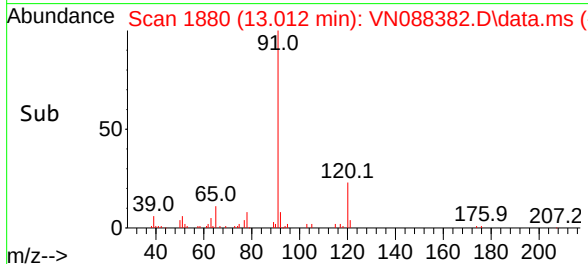
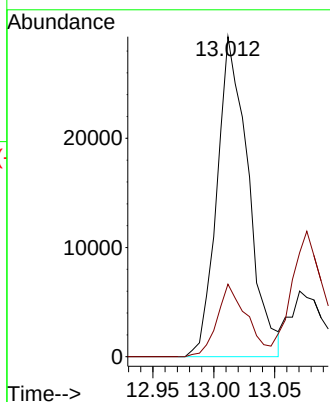
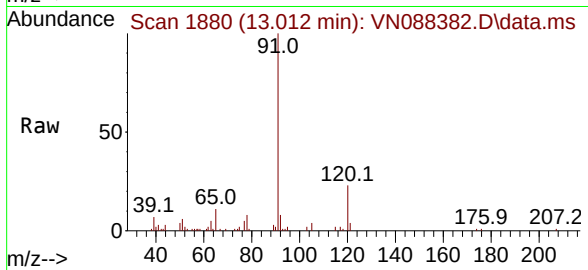
#78
n-propylbenzene
Concen: 2.951 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54

Instrument :
MSVOA_N
ClientSampleId :
MW4

Tgt Ion: 91 Resp: 52370
Ion Ratio Lower Upper
91 100
120 21.9 10.9 32.6

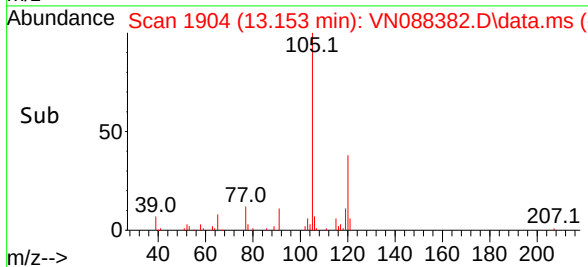
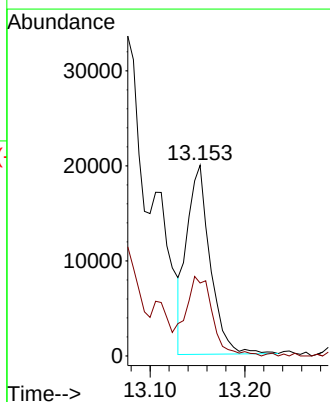
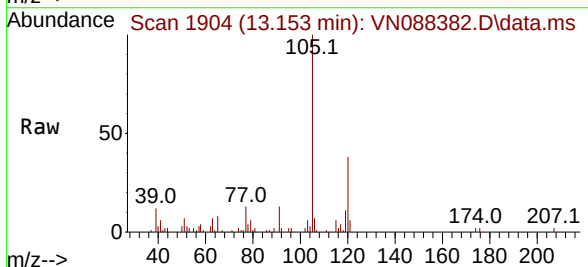
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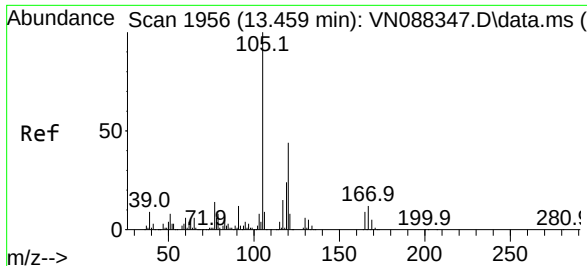
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#80
1,3,5-Trimethylbenzene
Concen: 2.832 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54

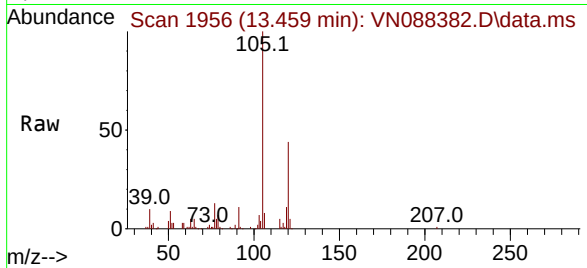
Tgt Ion:105 Resp: 34044
Ion Ratio Lower Upper
105 100
120 49.4 23.8 71.5





#84
1,2,4-Trimethylbenzene
Concen: 8.685 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54

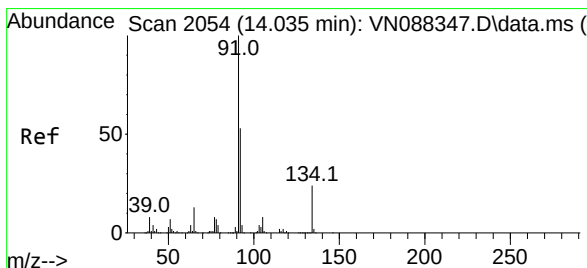
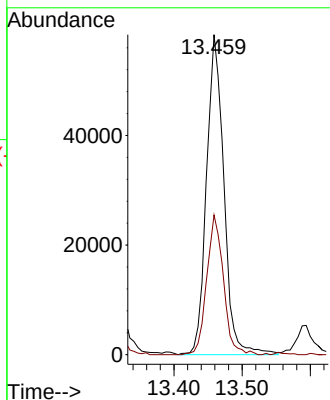
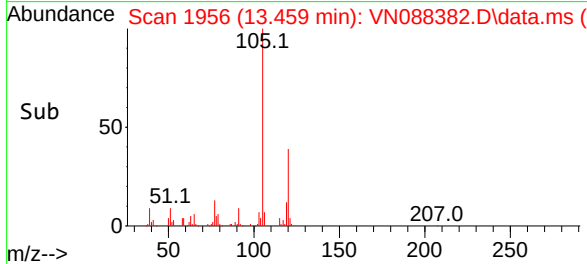
Instrument :
MSVOA_N
ClientSampleId :
MW4



Tgt Ion:105 Resp: 103779
Ion Ratio Lower Upper
105 100
120 42.0 22.1 66.1

Manual Integrations
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Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#89
n-Butylbenzene
Concen: 1.012 ug/l m
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN088382.D
Acq: 01 Dec 2025 14:54

Tgt Ion: 91 Resp: 11829
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 0.0 11.7 35.1#

