

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088406.D
 Acq On : 02 Dec 2025 13:36
 Operator : JC\MD
 Sample : Q3716-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/03/2025
 Supervised By : Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 01:28:49 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	171507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	394843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	392576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	184143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	191658	59.321	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.640%			
35) Dibromofluoromethane	8.147	113	141786	51.818	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.640%			
50) Toluene-d8	10.541	98	512041	50.294	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.580%			
62) 4-Bromofluorobenzene	12.823	95	183923	52.651	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.300%			
Target Compounds						
						Qvalue
17) Carbon Disulfide	4.730	76	12590	1.841	ug/l	97
52) Toluene	10.606	92	6149	0.859	ug/l	91
67) Ethyl Benzene	11.947	91	3817	0.248	ug/l #	68
68) m/p-Xylenes	12.059	106	1895	0.332	ug/l	90
84) 1,2,4-Trimethylbenzene	13.465	105	3729	0.333	ug/l	95
85) sec-Butylbenzene	13.594	105	6972	0.506	ug/l #	58
86) p-Isopropyltoluene	13.706	119	5574	0.493	ug/l	96
89) n-Butylbenzene	14.023	91	5663m	0.516	ug/l	

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

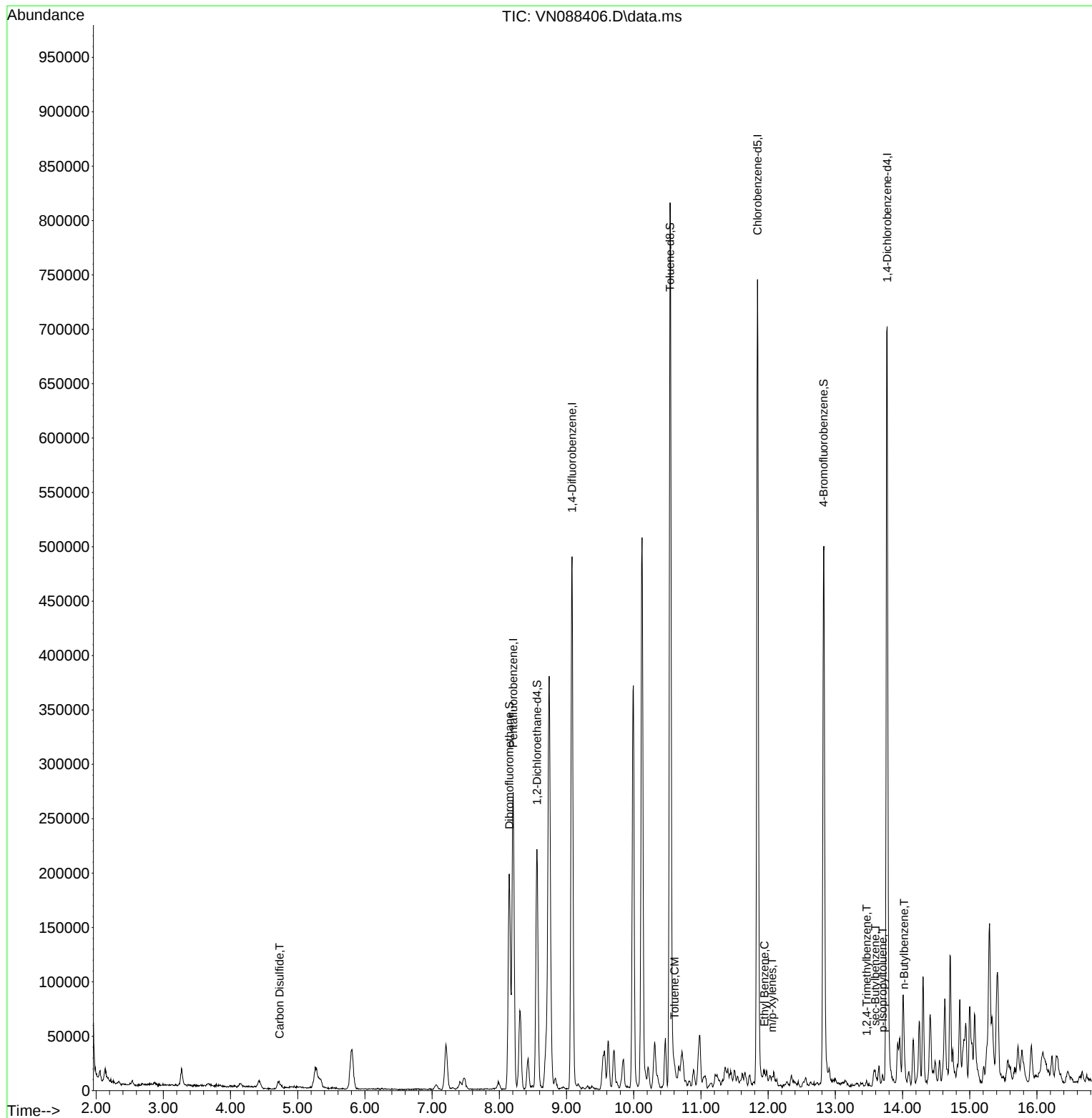
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088406.D
Acq On : 02 Dec 2025 13:36
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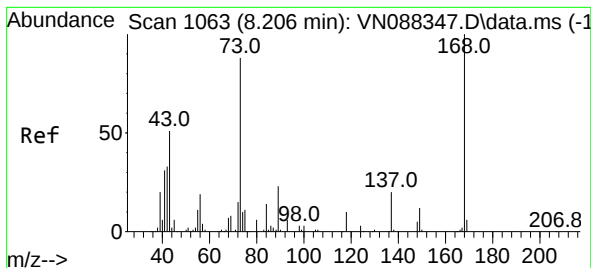
Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Time: Dec 03 01:28:49 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

Manual Integrations
APPROVED

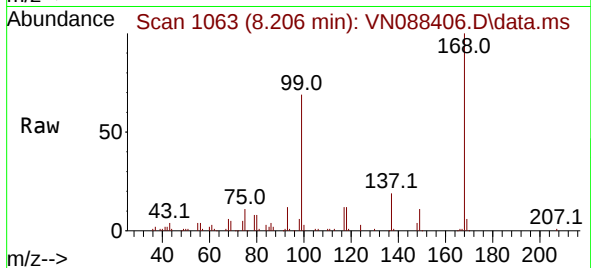
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

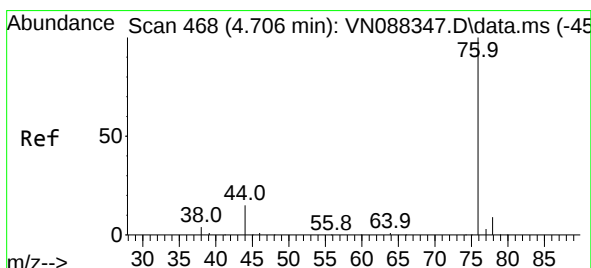
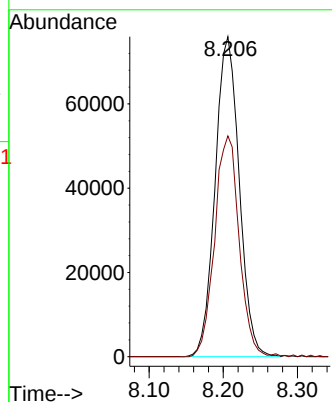
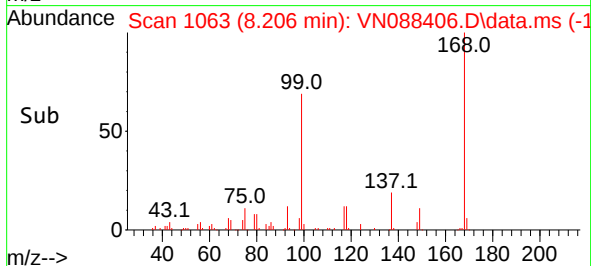
Instrument :
MSVOA_N
ClientSampleId :
MW4



Tgt Ion:168 Resp: 17150
Ion Ratio Lower Upper
168 100
99 69.0 57.1 85.7

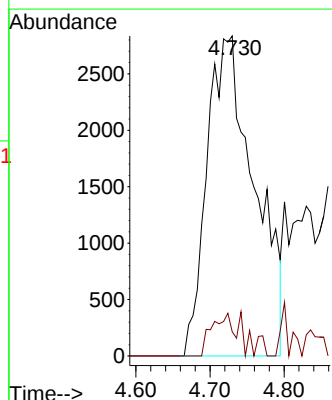
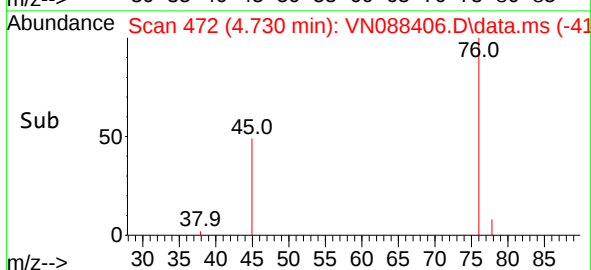
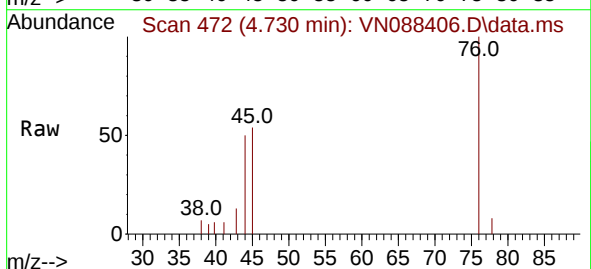
Manual Integrations
APPROVED

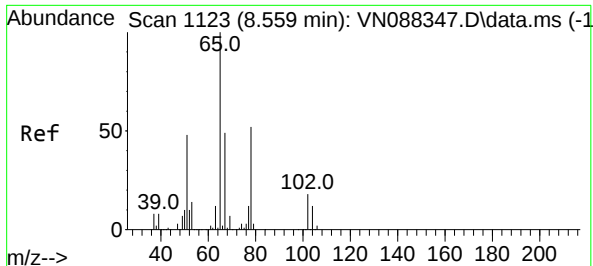
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#17
Carbon Disulfide
Concen: 1.841 ug/l
RT: 4.730 min Scan# 472
Delta R.T. 0.024 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

Tgt Ion: 76 Resp: 12590
Ion Ratio Lower Upper
76 100
78 7.6 7.0 10.4





#33

1,2-Dichloroethane-d4

Concen: 59.321 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088406.D

Acq: 02 Dec 2025 13:36

Instrument :

MSVOA_N

ClientSampleId :

MW4

Tgt Ion: 65 Resp: 191658

Ion Ratio Lower Upper

65 100

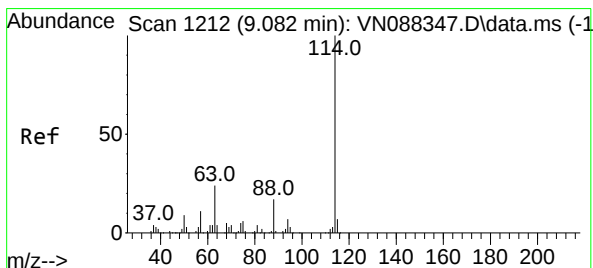
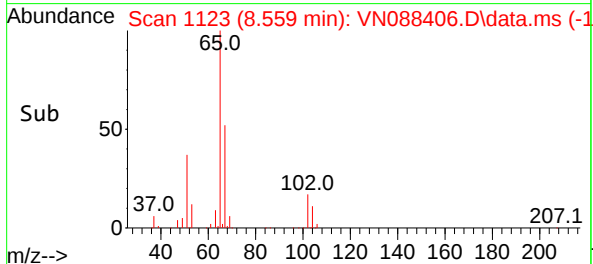
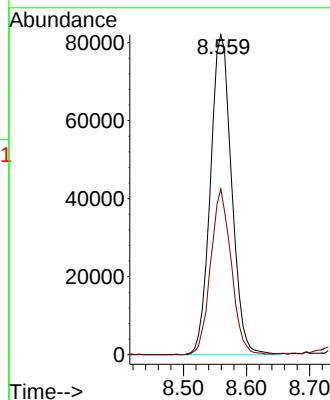
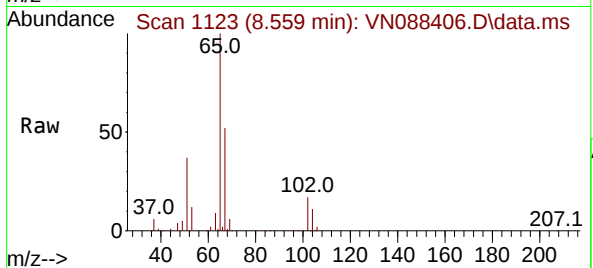
67 50.1 0.0 100.8

Manual Integrations

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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: VN088406.D

Acq: 02 Dec 2025 13:36

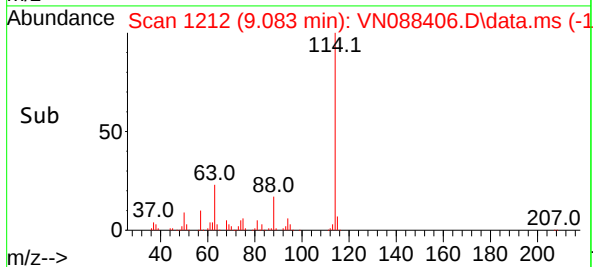
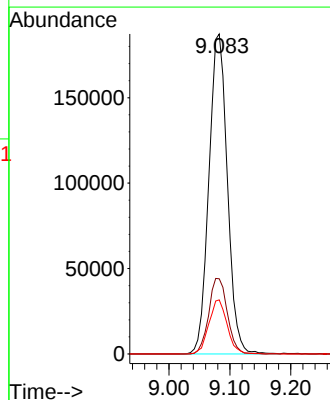
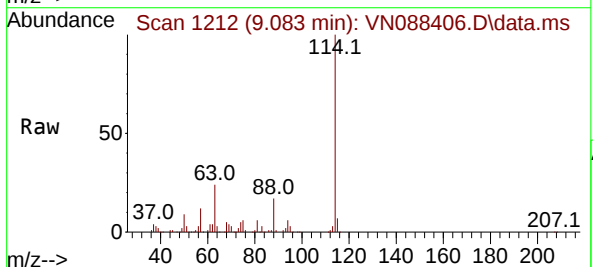
Tgt Ion:114 Resp: 394843

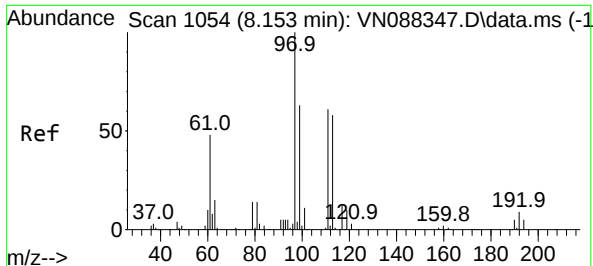
Ion Ratio Lower Upper

114 100

63 23.5 0.0 49.0

88 16.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 51.818 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088406.D

Acq: 02 Dec 2025 13:36

Instrument :

MSVOA_N

ClientSampleId :

MW4

Tgt Ion:113 Resp: 141780

Ion Ratio Lower Upper

113 100

111 99.8 82.5 123.7

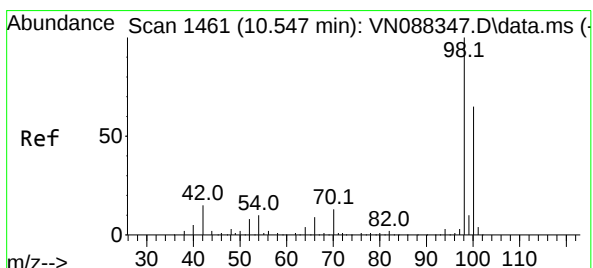
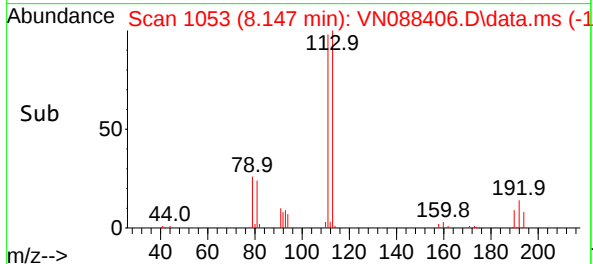
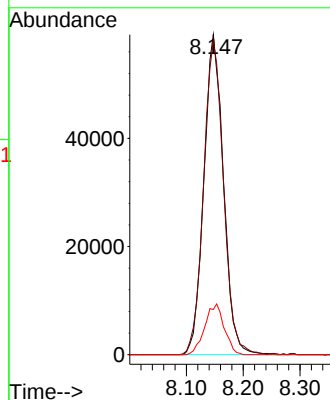
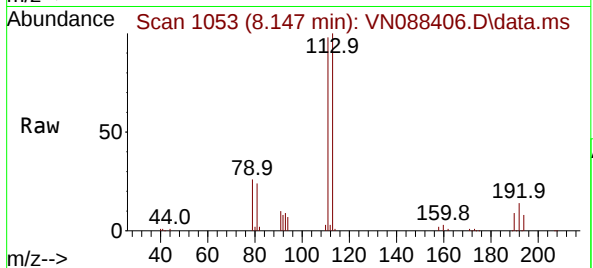
192 15.7 12.8 19.2

Manual Integrations

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#50

Toluene-d8

Concen: 50.294 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088406.D

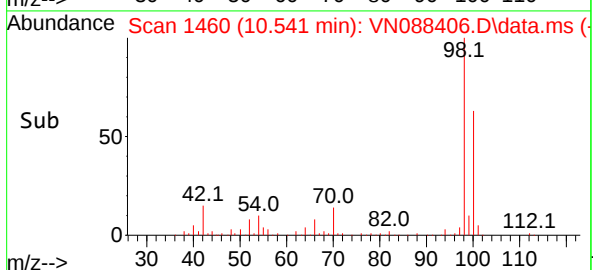
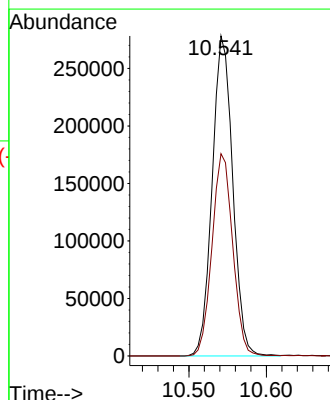
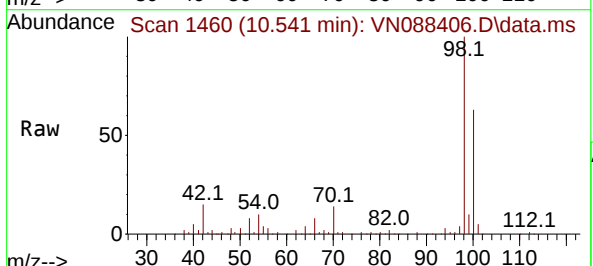
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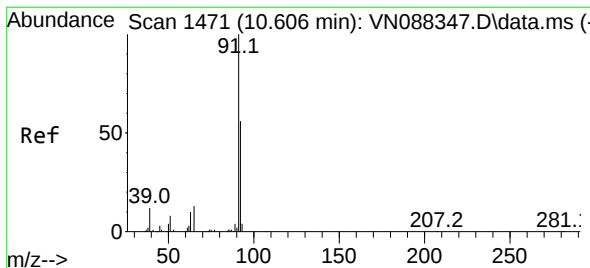
Tgt Ion: 98 Resp: 512041

Ion Ratio Lower Upper

98 100

100 63.8 52.2 78.2





#52

Toluene

Concen: 0.859 ug/l

RT: 10.606 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VN088406.D

Acq: 02 Dec 2025 13:36

Instrument :

MSVOA_N

ClientSampleId :

MW4

Tgt Ion: 92 Resp: 6149

Ion Ratio Lower Upper

92 100

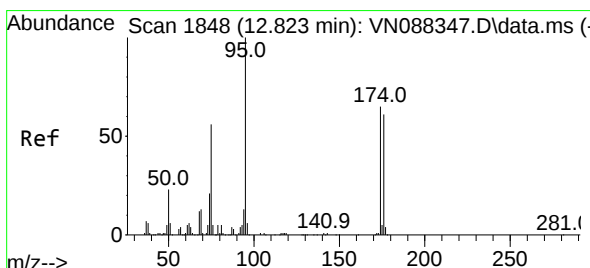
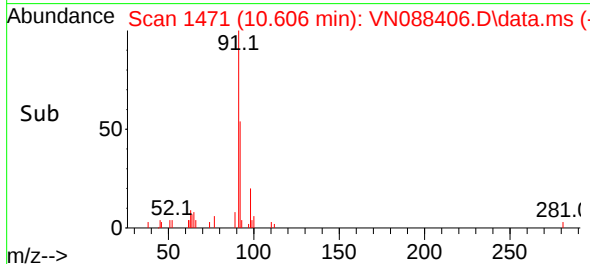
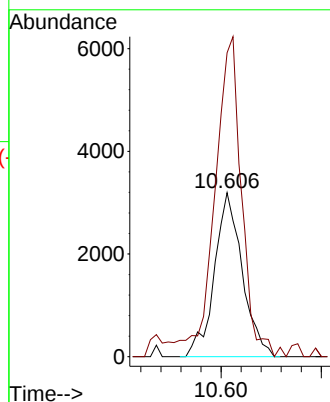
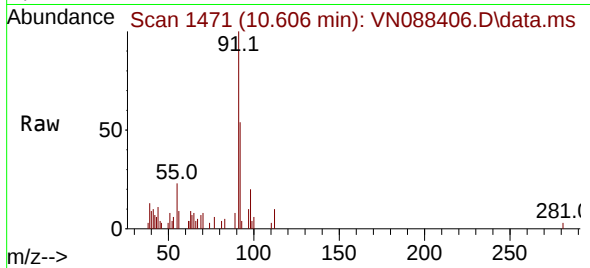
91 187.5 140.2 210.2

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 12/03/2025



#62

4-Bromofluorobenzene

Concen: 52.651 ug/l

RT: 12.823 min Scan# 1848

Delta R.T. 0.000 min

Lab File: VN088406.D

Acq: 02 Dec 2025 13:36

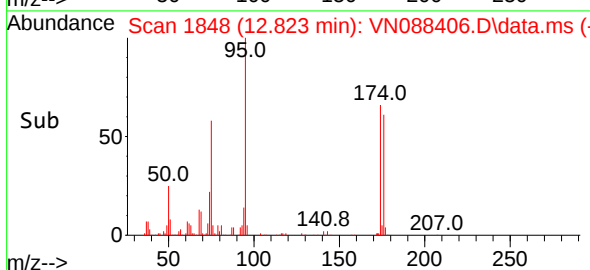
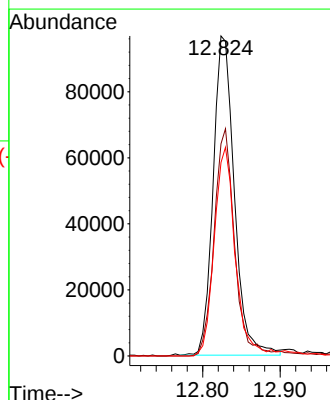
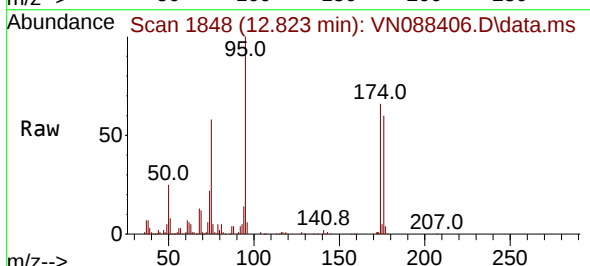
Tgt Ion: 95 Resp: 183923

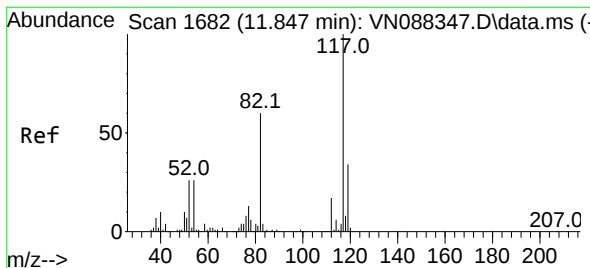
Ion Ratio Lower Upper

95 100

174 69.5 0.0 139.0

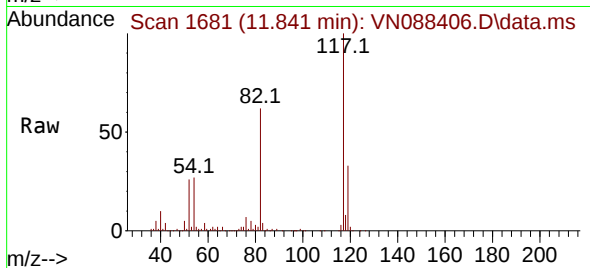
176 64.8 0.0 132.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

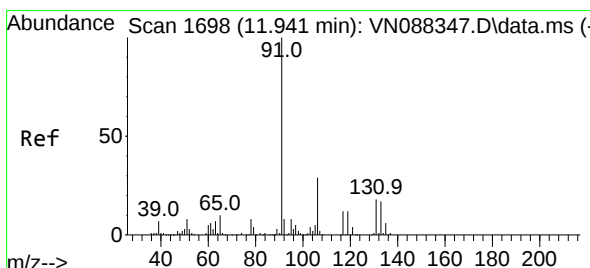
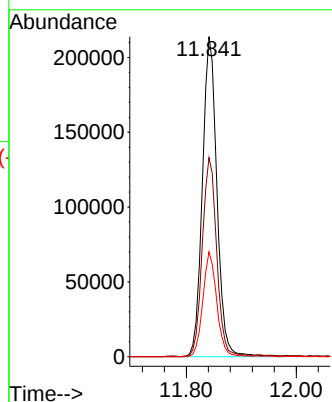
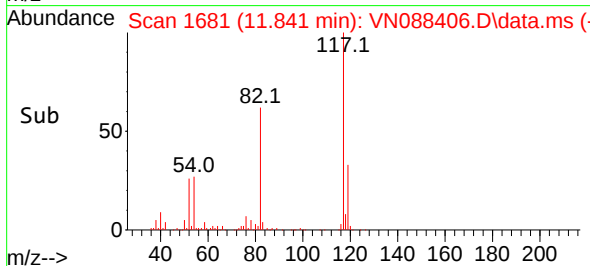
Instrument :
MSVOA_N
ClientSampleId :
MW4



Tgt Ion:117 Resp: 392570
Ion Ratio Lower Upper
117 100
82 62.2 47.8 71.8
119 32.8 26.9 40.3

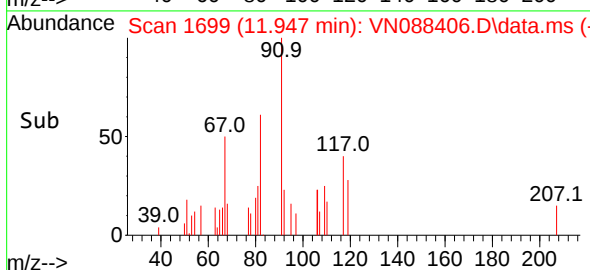
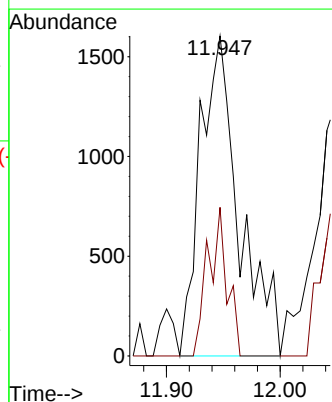
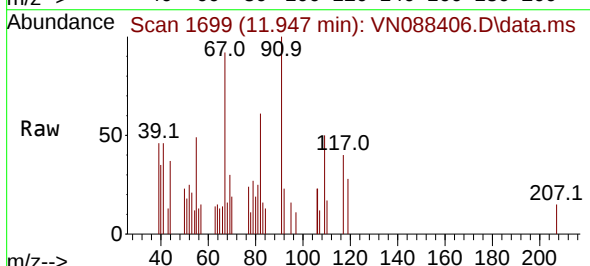
Manual Integrations
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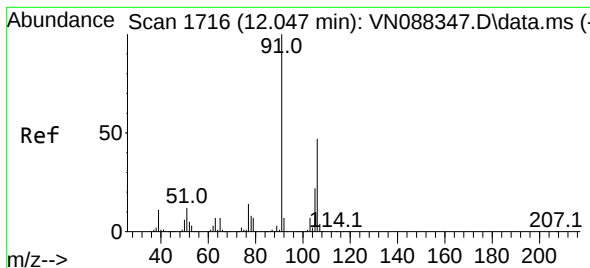
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#67
Ethyl Benzene
Concen: 0.248 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

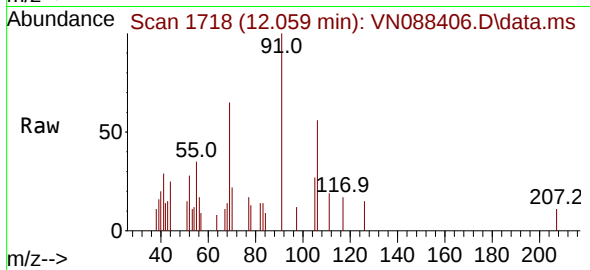
Tgt Ion: 91 Resp: 3817
Ion Ratio Lower Upper
91 100
106 46.4 23.6 35.4#





#68
m/p-Xylenes
Concen: 0.332 ug/l
RT: 12.059 min Scan# 1716
Delta R.T. 0.012 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

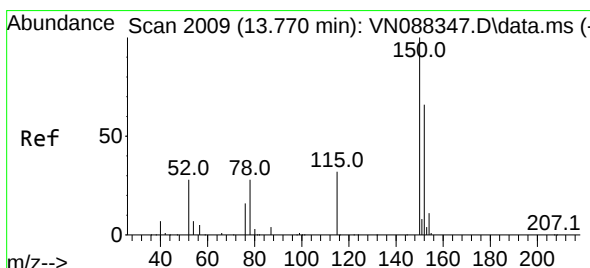
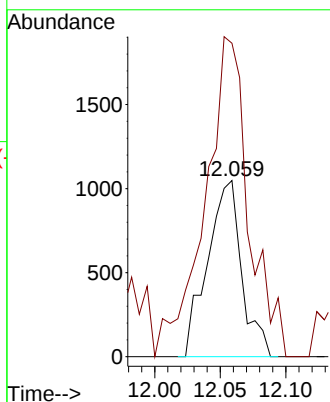
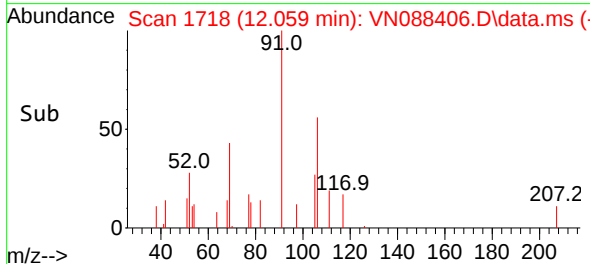
Instrument :
MSVOA_N
ClientSampleId :
MW4



Tgt Ion:106 Resp: 189
Ion Ratio Lower Upper
106 100
91 225.1 167.8 251.6

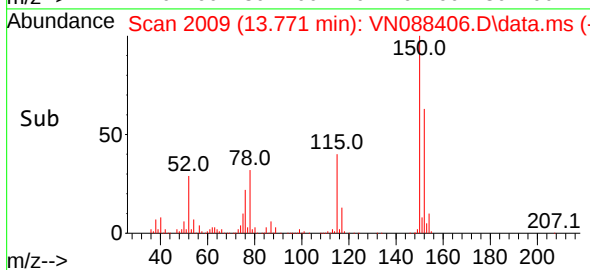
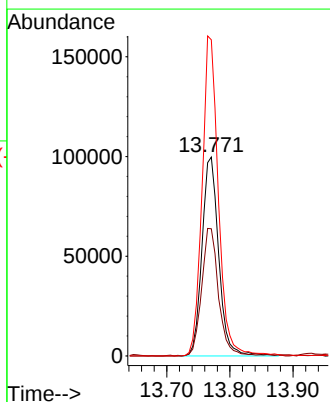
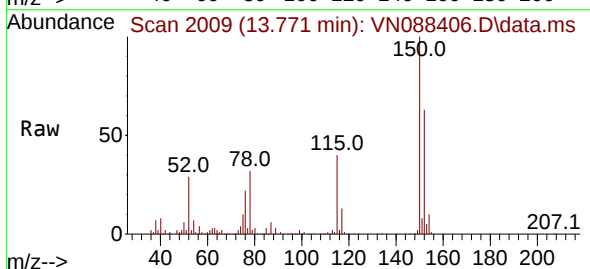
Manual Integrations
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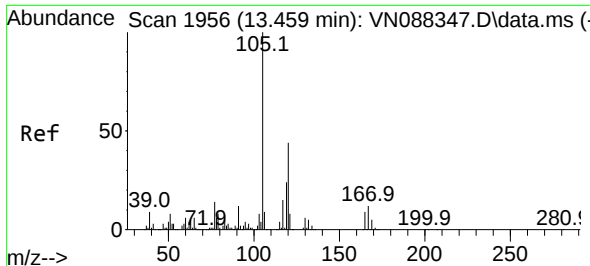
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

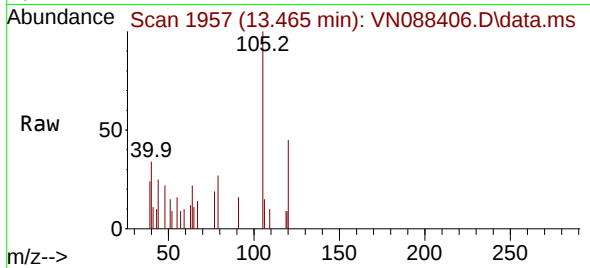
Tgt Ion:152 Resp: 184143
Ion Ratio Lower Upper
152 100
115 64.4 33.0 98.9
150 157.2 0.0 349.0





#84
1,2,4-Trimethylbenzene
Concen: 0.333 ug/l
RT: 13.465 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

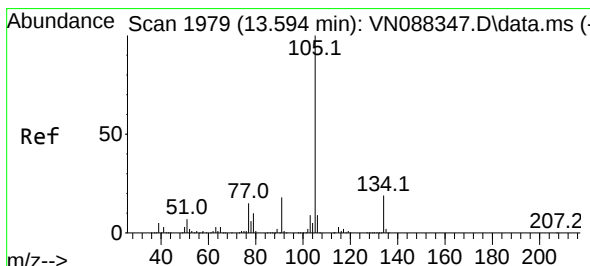
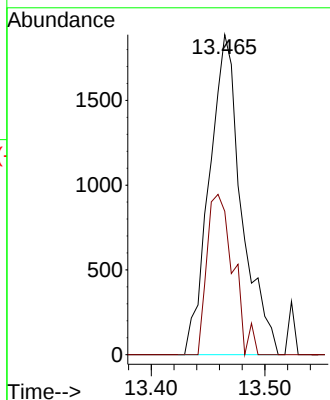
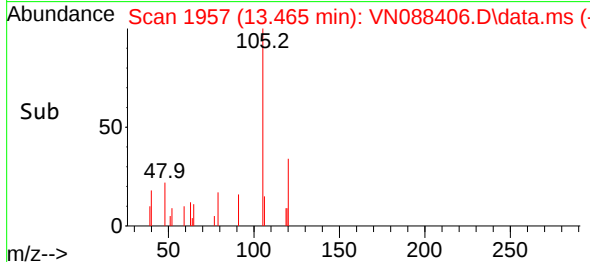
Instrument :
MSVOA_N
ClientSampleId :
MW4



Tgt Ion:105 Resp: 3729
Ion Ratio Lower Upper
105 100
120 40.7 22.1 66.1

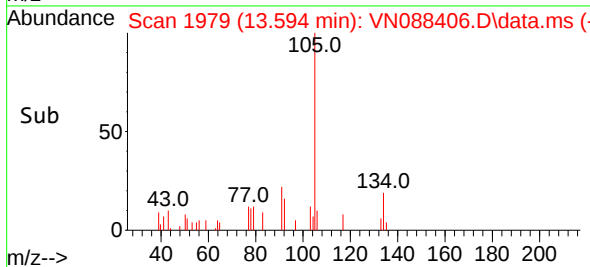
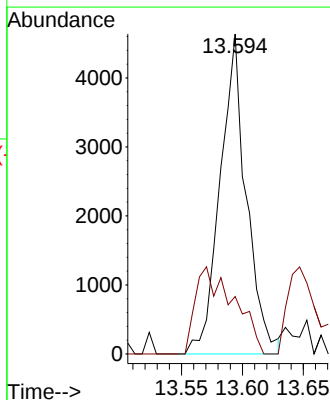
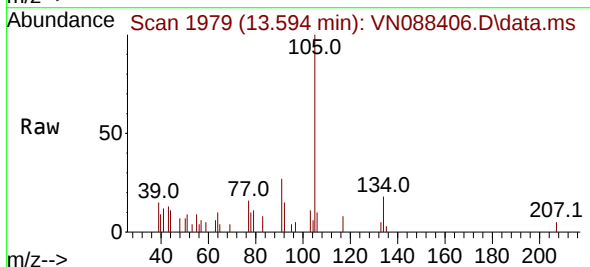
Manual Integrations
APPROVED

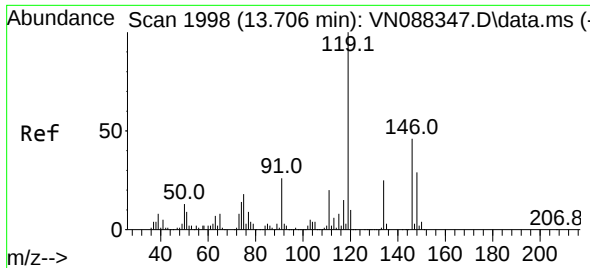
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#85
sec-Butylbenzene
Concen: 0.506 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

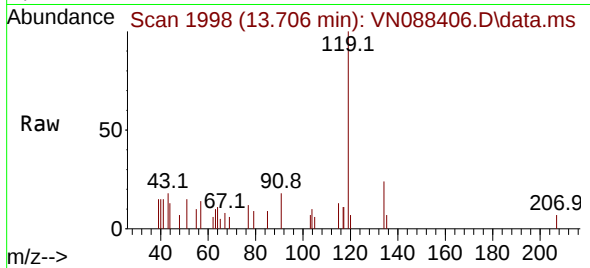
Tgt Ion:105 Resp: 6972
Ion Ratio Lower Upper
105 100
134 0.0 9.5 28.5#





#86
p-Isopropyltoluene
Concen: 0.493 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

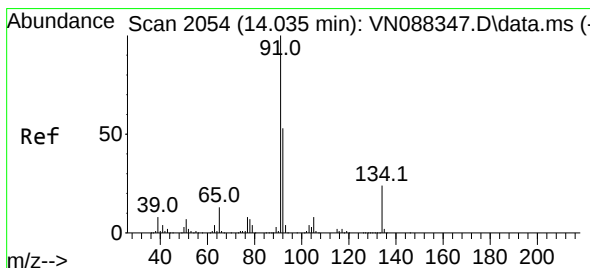
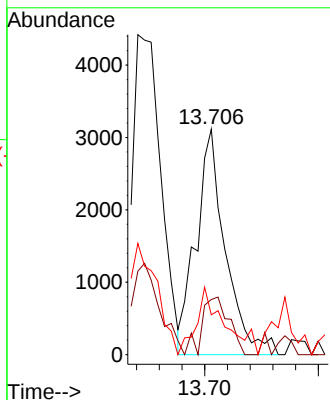
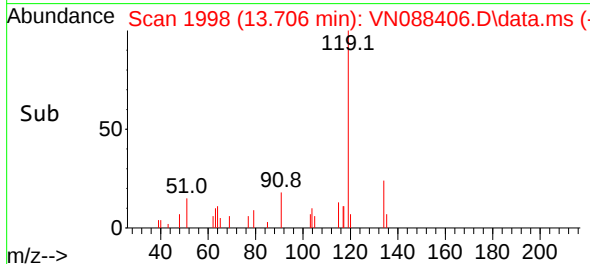
Instrument :
MSVOA_N
ClientSampleId :
MW4



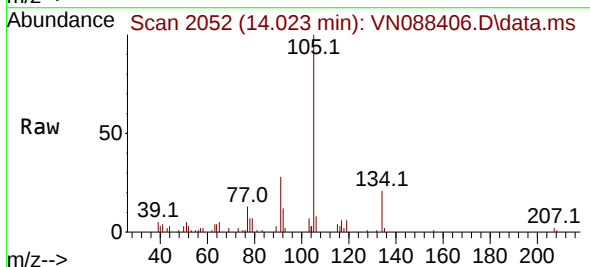
Tgt Ion: 119 Resp: 5574
Ion Ratio Lower Upper
119 100
134 23.6 12.2 36.6
91 28.7 13.0 39.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#89
n-Butylbenzene
Concen: 0.516 ug/l m
RT: 14.023 min Scan# 2052
Delta R.T. -0.012 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36



Tgt Ion: 91 Resp: 5663
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 238.4 11.7 35.1#

