

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
 Data File : VN087116.D
 Acq On : 19 Jun 2025 16:49
 Operator : JC\MD
 Sample : Q2333-06DL 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12DL

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/20/2025
 Supervised By :Mahesh Dadoda 06/21/2025

Quant Time: Jun 20 01:28:34 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	8.230	168	199848	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	402925	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	360708	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	175112	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	141552	52.902	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.800%			
35) Dibromofluoromethane	8.177	113	121829	51.021	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.040%			
50) Toluene-d8	10.565	98	491679	52.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.020%			
62) 4-Bromofluorobenzene	12.847	95	174856	49.788	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.580%			
Target Compounds					Qvalue	
16) Acetone	4.453	43	6735	4.746	ug/l	97
25) 2-Butanone	7.506	43	2696	1.169	ug/l #	89
31) Cyclohexane	8.259	56	19911	4.588	ug/l #	93
39) Methylcyclohexane	9.600	83	10176	2.087	ug/l	99
40) Benzene	8.612	78	238651	20.511	ug/l	99
52) Toluene	10.630	92	43840	6.166	ug/l	100
67) Ethyl Benzene	11.965	91	1074041	78.378	ug/l	100
68) m/p-Xylenes	12.076	106	204915	39.064	ug/l	98
69) o-Xylene	12.394	106	90518	18.017	ug/l	99
73) Isopropylbenzene	12.694	105	29651	2.324	ug/l	99
78) n-propylbenzene	13.035	91	73882	4.766	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	5332m	0.506	ug/l	
84) 1,2,4-Trimethylbenzene	13.482	105	528348	50.025	ug/l	99
85) sec-Butylbenzene	13.618	105	4308m	0.308	ug/l	
86) p-Isopropyltoluene	13.723	119	3227	0.279	ug/l #	73
89) n-Butylbenzene	14.053	91	4533m	0.404	ug/l	
95) Naphthalene	15.635	128	177120	13.475	ug/l	100

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

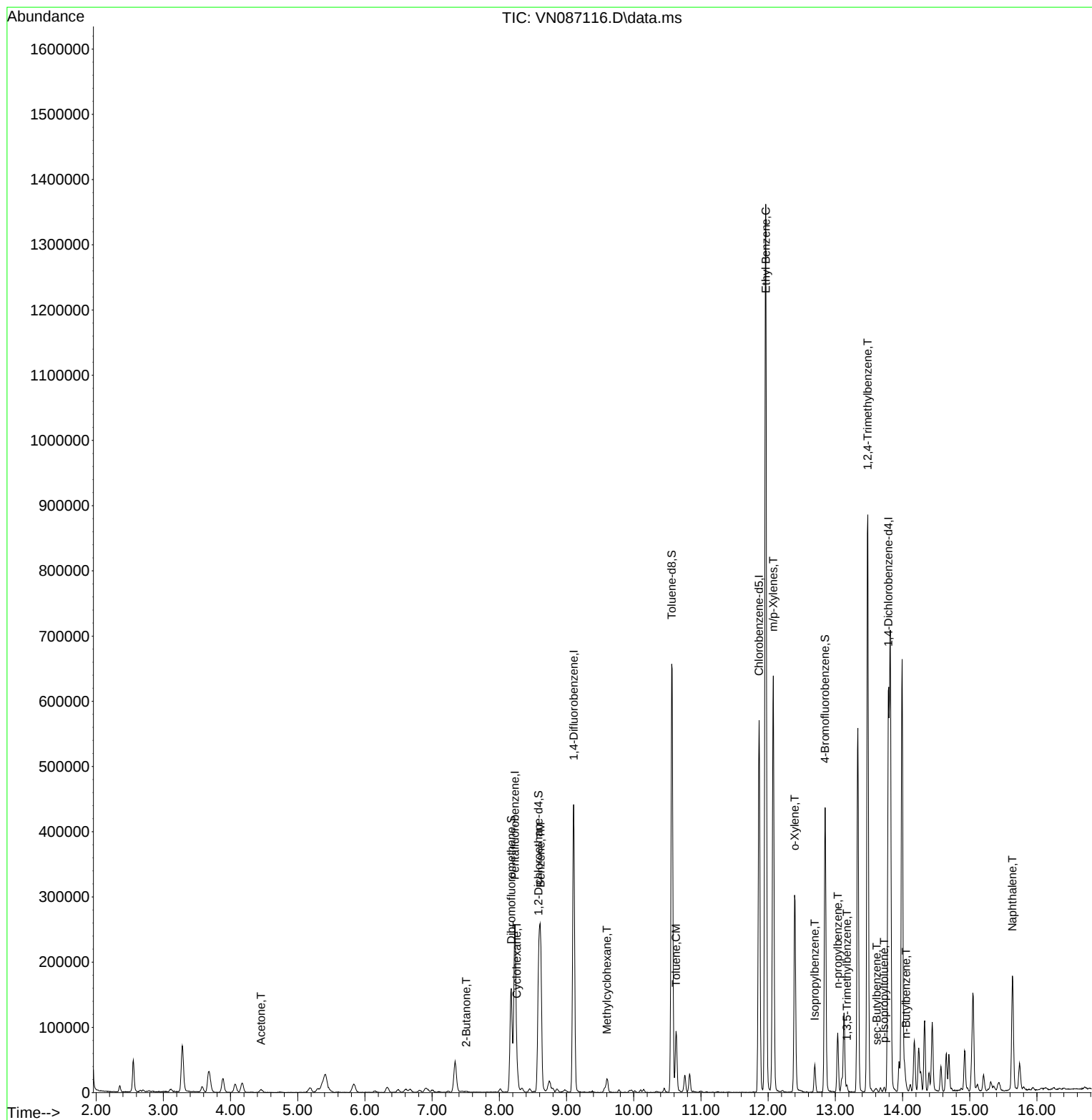
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061925\
Data File : VN087116.D
Acq On : 19 Jun 2025 16:49
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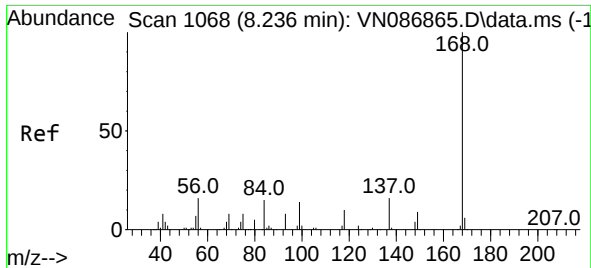
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL

Manual Integrations
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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





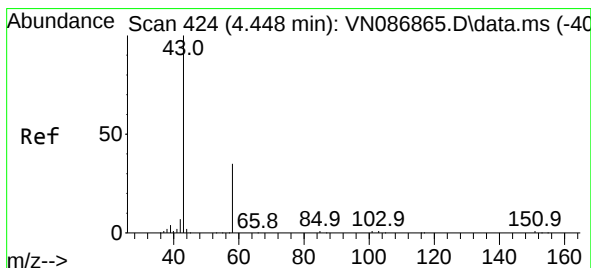
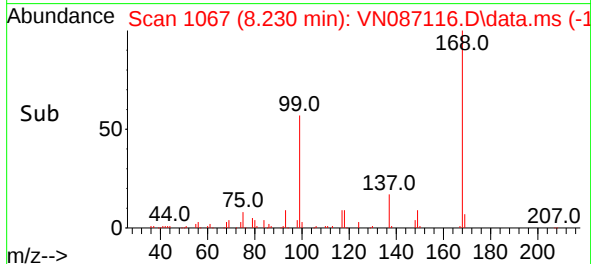
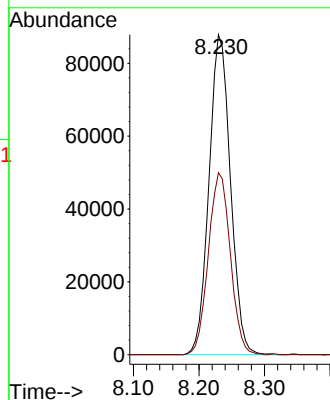
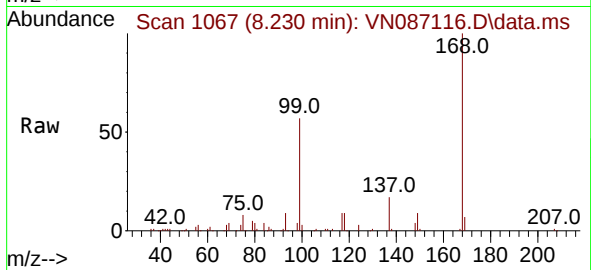
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12DL

Tgt Ion:168 Resp: 19984
Ion Ratio Lower Upper
168 100
99 56.9 49.1 73.7

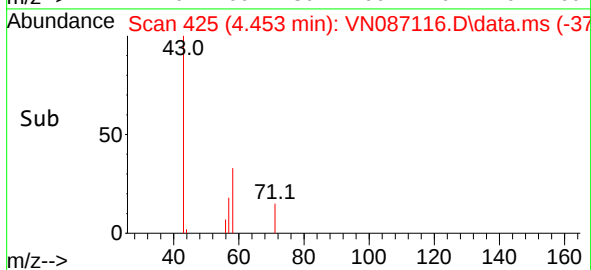
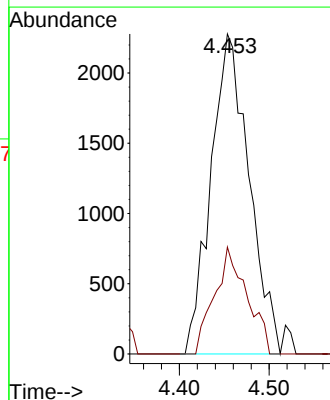
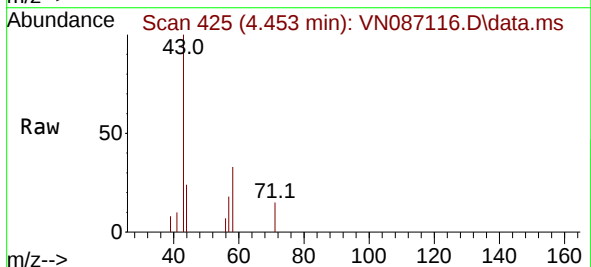
Manual Integrations
APPROVED

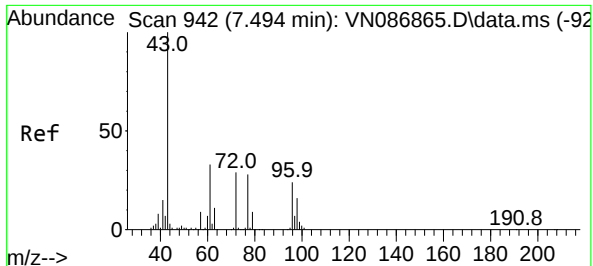
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#16
Acetone
Concen: 4.746 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

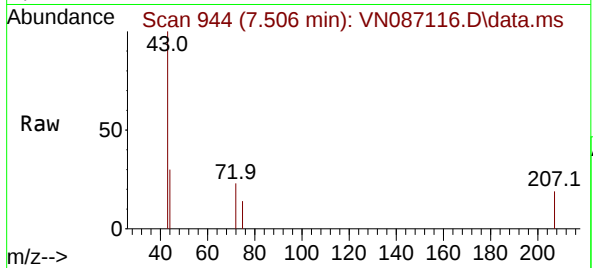
Tgt Ion: 43 Resp: 6735
Ion Ratio Lower Upper
43 100
58 33.4 28.0 42.0





#25
2-Butanone
Concen: 1.169 ug/l
RT: 7.506 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

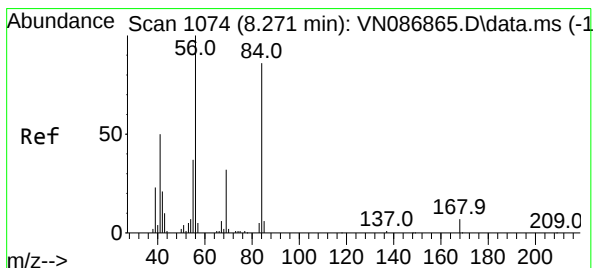
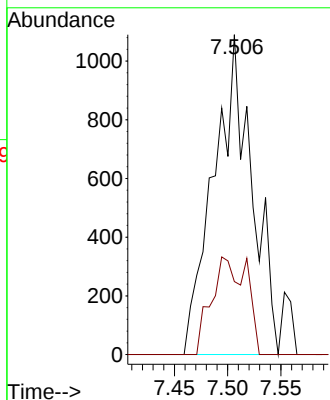
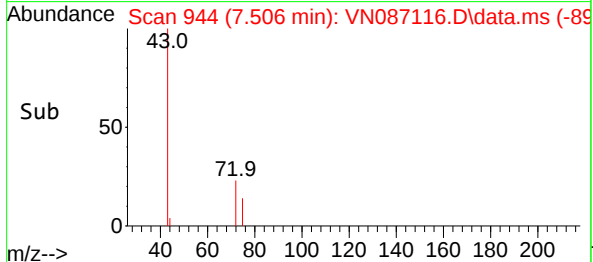
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL



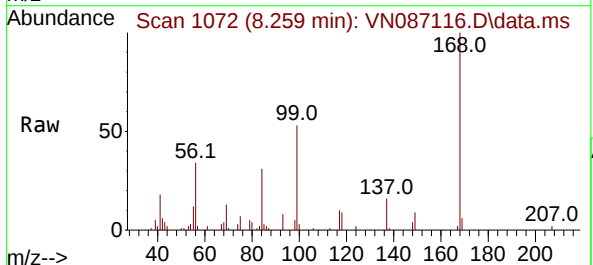
Tgt Ion: 43 Resp: 2690
Ion Ratio Lower Upper
43 100
72 22.8 23.0 34.6

Manual Integrations
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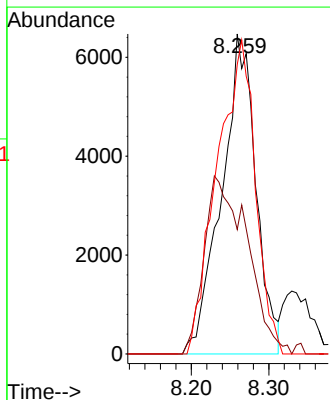
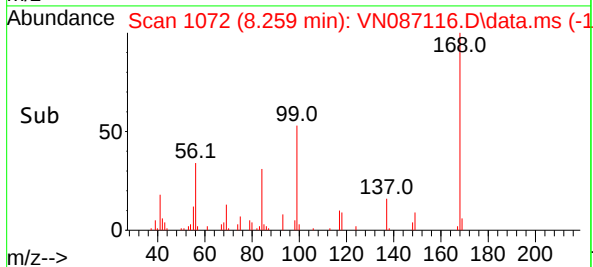
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

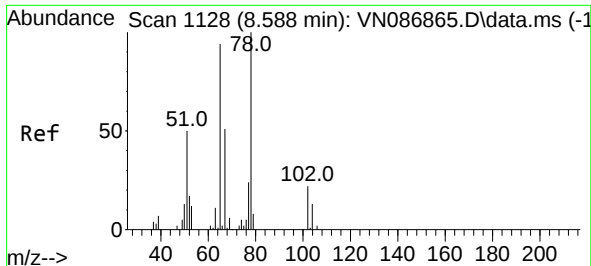


#31
Cyclohexane
Concen: 4.588 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.012 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49



Tgt Ion: 56 Resp: 19911
Ion Ratio Lower Upper
56 100
69 38.9 25.4 38.0#
84 90.4 68.8 103.2





#33

1,2-Dichloroethane-d4

Concen: 52.902 ug/l

RT: 8.583 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087116.D

Acq: 19 Jun 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12DL

Tgt Ion: 65 Resp: 141552

Ion Ratio Lower Upper

65 100

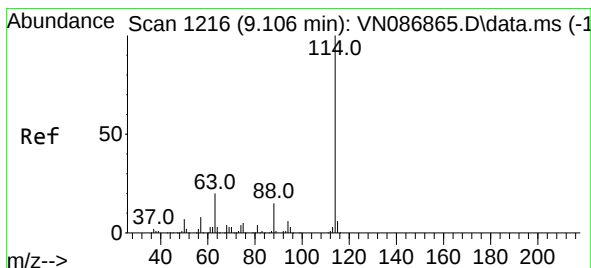
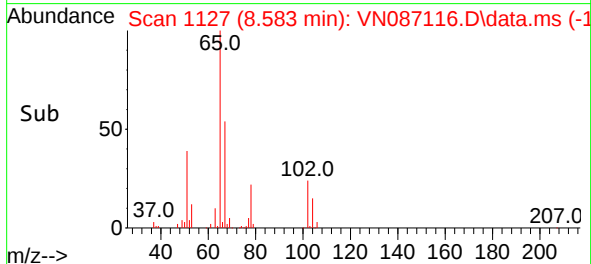
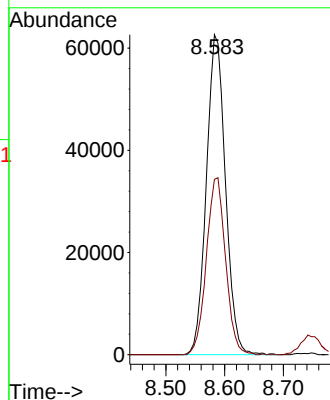
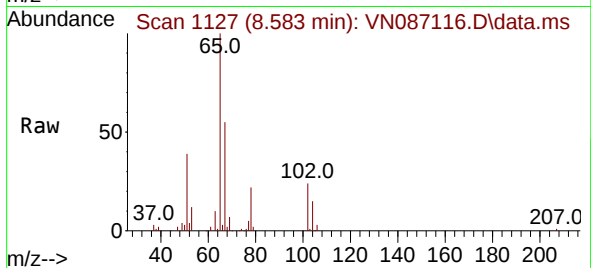
67 55.7 0.0 105.6

Manual Integrations

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Supervised By :Mahesh Dadoda 06/21/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN087116.D

Acq: 19 Jun 2025 16:49

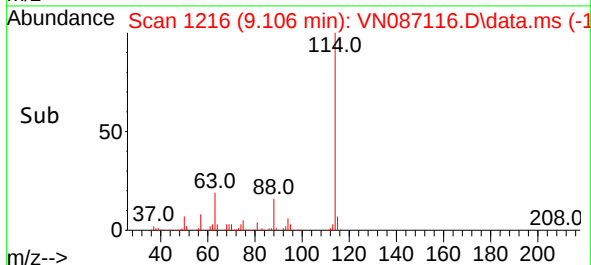
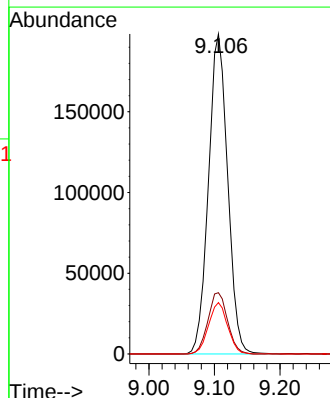
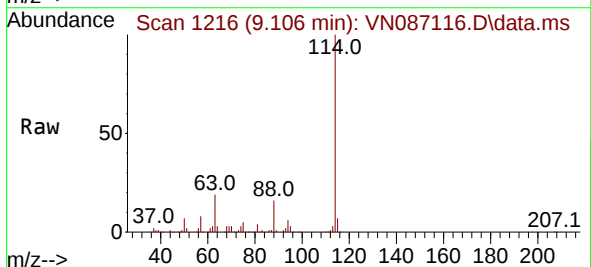
Tgt Ion:114 Resp: 402925

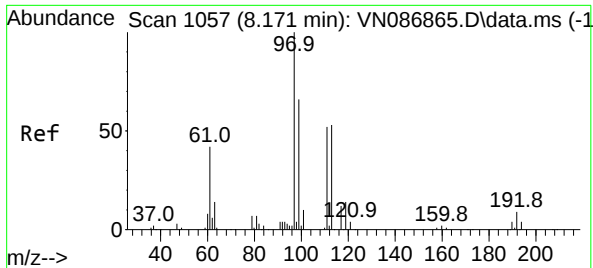
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

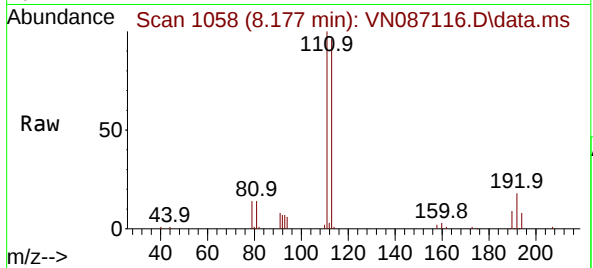
88 16.0 0.0 30.2





#35
Dibromofluoromethane
Concen: 51.021 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

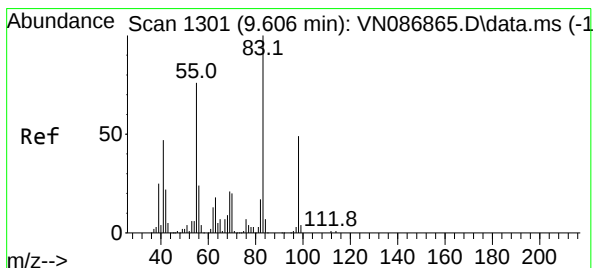
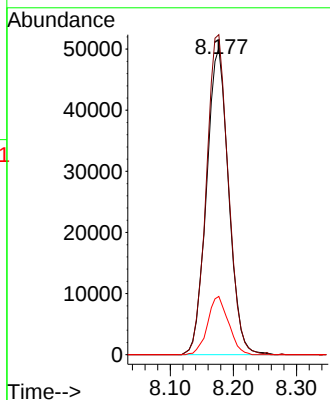
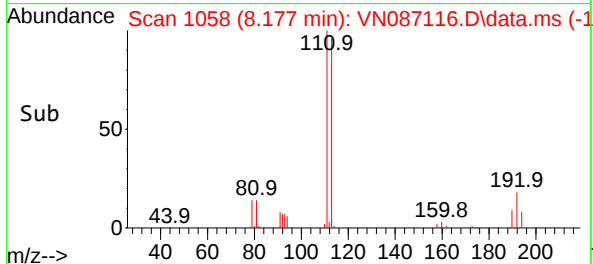
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL



Tgt Ion: 113 Resp: 121829
Ion Ratio Lower Upper
113 100
111 103.9 84.2 126.2
192 17.9 14.2 21.4

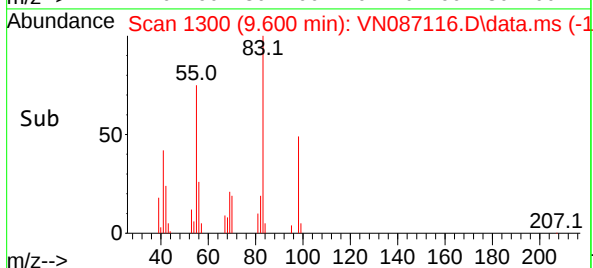
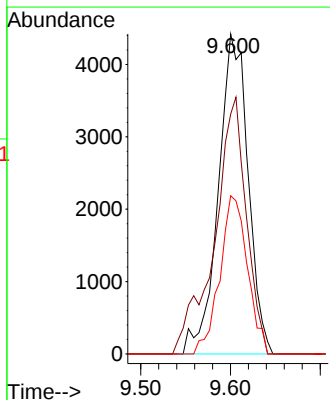
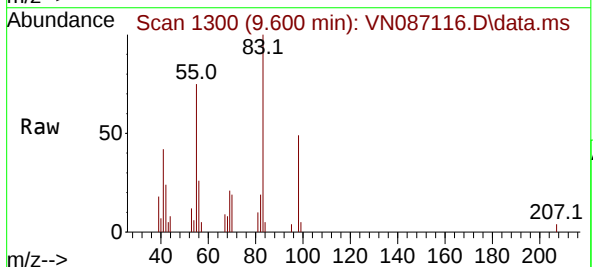
Manual Integrations
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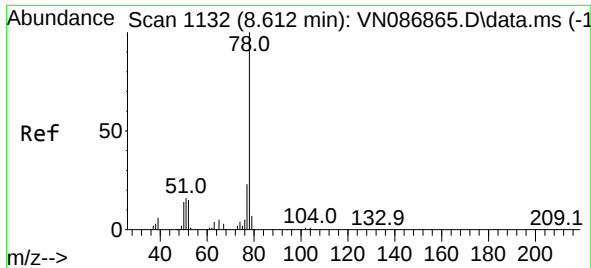
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#39
Methylcyclohexane
Concen: 2.087 ug/l
RT: 9.600 min Scan# 1300
Delta R.T. -0.006 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

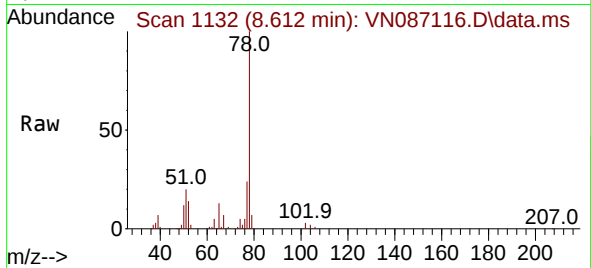
Tgt Ion: 83 Resp: 10176
Ion Ratio Lower Upper
83 100
55 74.9 61.0 91.6
98 49.5 38.9 58.3





#40
Benzene
Concen: 20.511 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

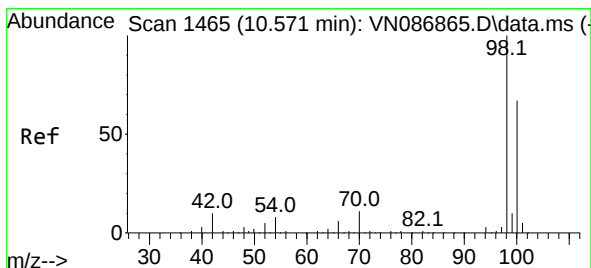
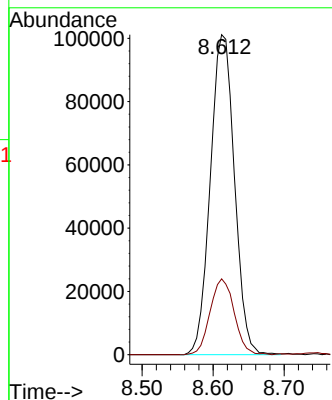
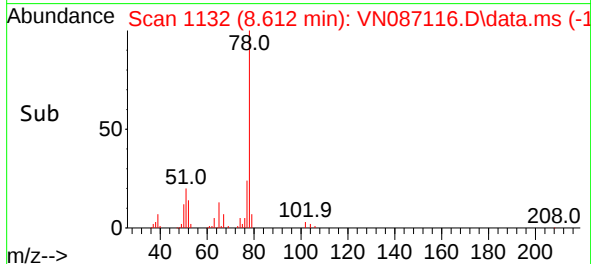
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL



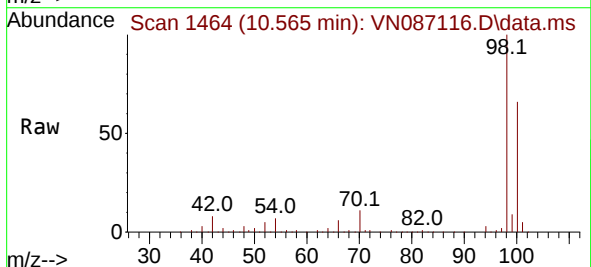
Tgt Ion: 78 Resp: 23865
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1

Manual Integrations
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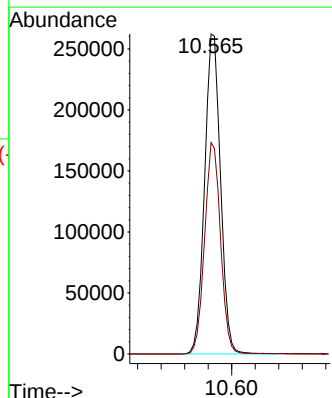
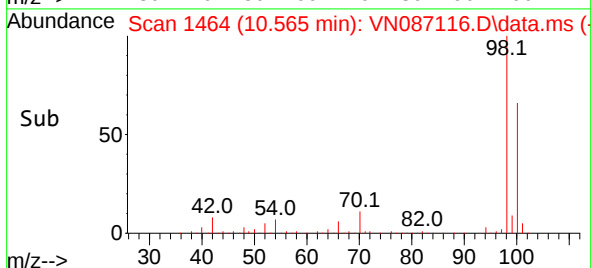
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

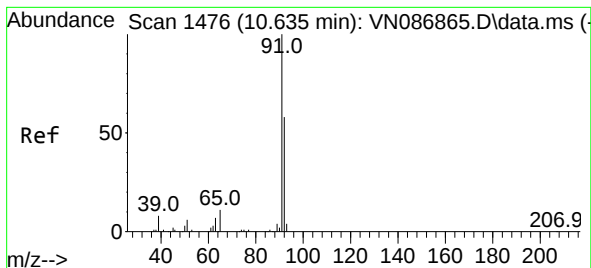


#50
Toluene-d8
Concen: 52.014 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49



Tgt Ion: 98 Resp: 491679
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.0





#52

Toluene

Concen: 6.166 ug/l

RT: 10.630 min Scan# 1476

Delta R.T. -0.006 min

Lab File: VN087116.D

Acq: 19 Jun 2025 16:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12DL

Tgt Ion: 92 Resp: 43840

Ion Ratio Lower Upper

92 100

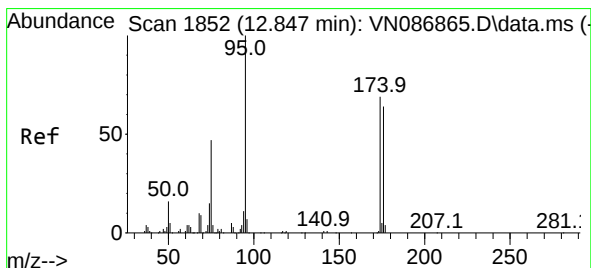
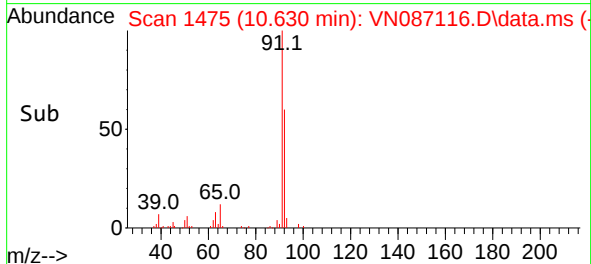
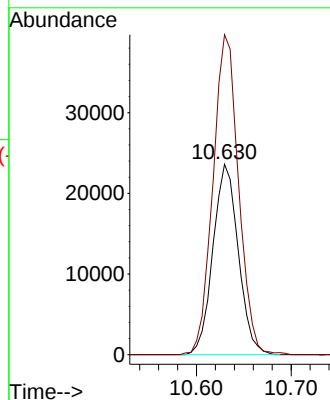
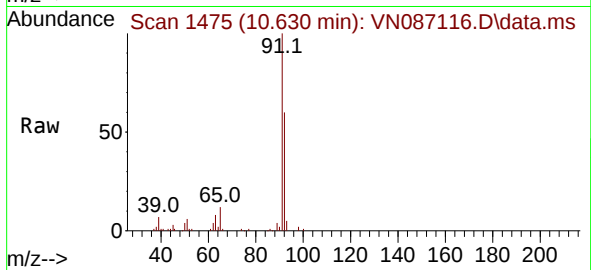
91 170.1 136.5 204.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/20/2025

Supervised By :Mahesh Dadoda 06/21/2025



#62

4-Bromofluorobenzene

Concen: 49.788 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN087116.D

Acq: 19 Jun 2025 16:49

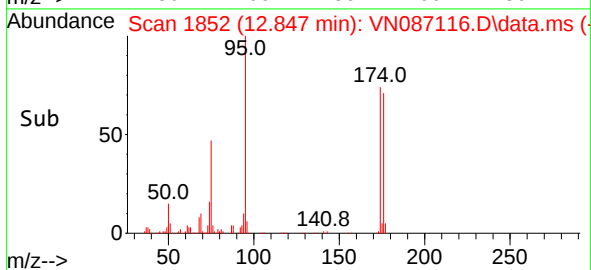
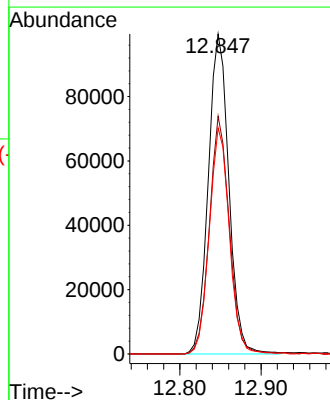
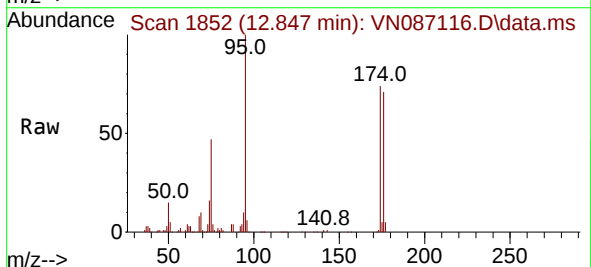
Tgt Ion: 95 Resp: 174856

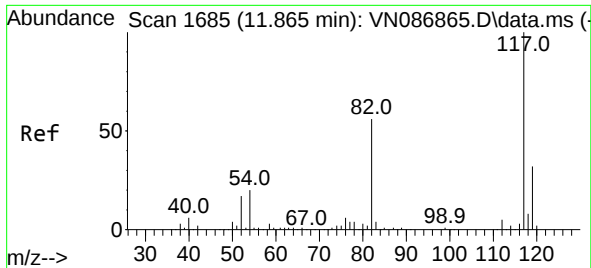
Ion Ratio Lower Upper

95 100

174 72.3 0.0 141.8

176 68.9 0.0 132.6





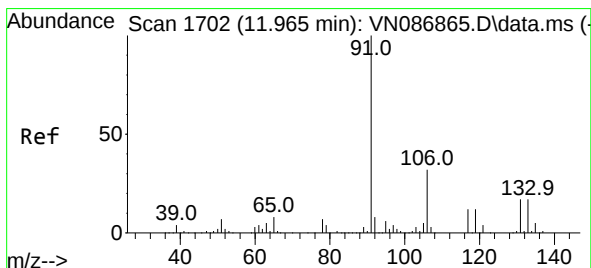
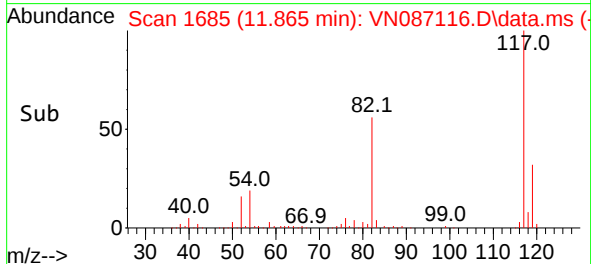
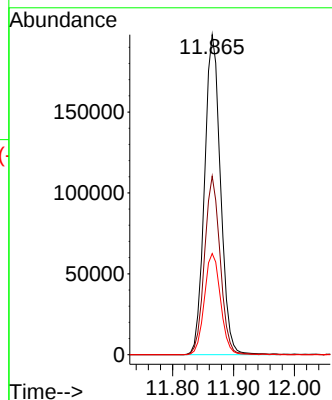
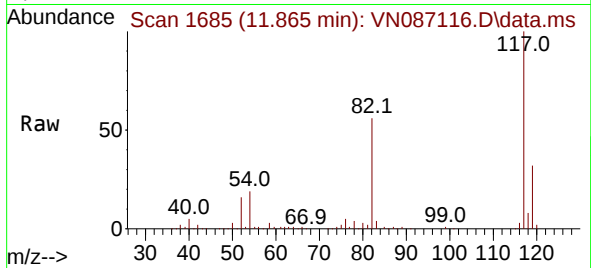
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12DL

Tgt Ion:117 Resp: 360708
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 31.6 25.5 38.3

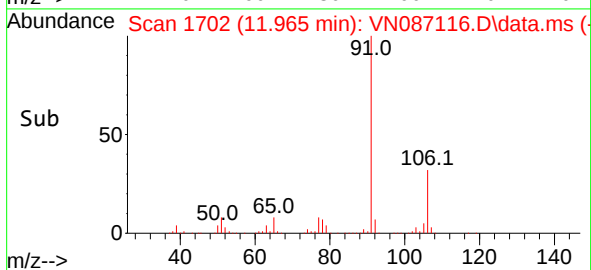
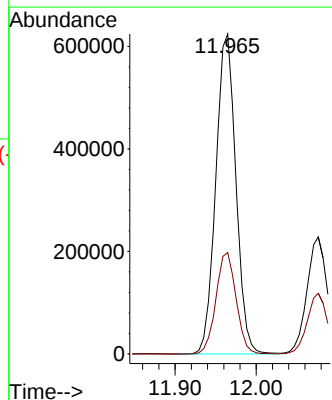
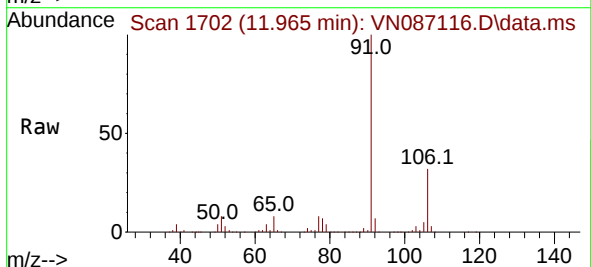
Manual Integrations
APPROVED

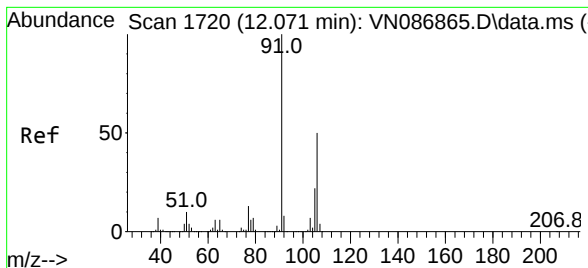
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#67
Ethyl Benzene
Concen: 78.378 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

Tgt Ion: 91 Resp: 1074041
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.2





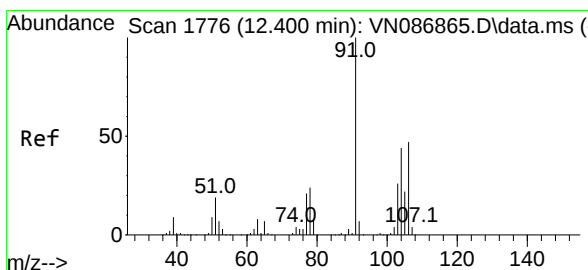
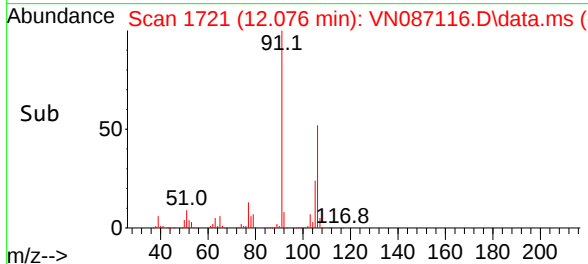
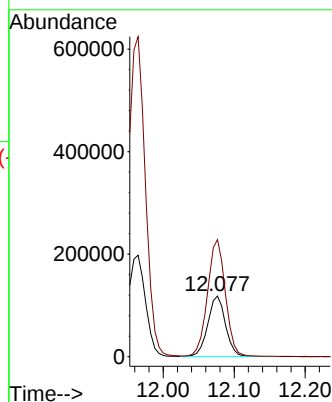
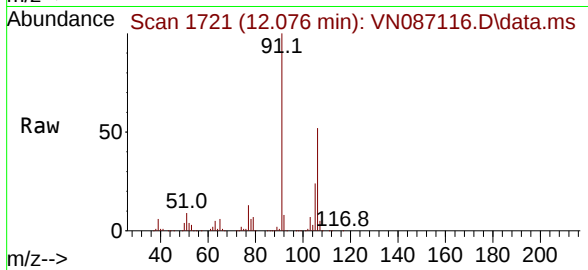
#68
m/p-Xylenes
Concen: 39.064 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12DL

Tgt Ion:106 Resp: 204915
Ion Ratio Lower Upper
106 100
91 195.6 159.4 239.0

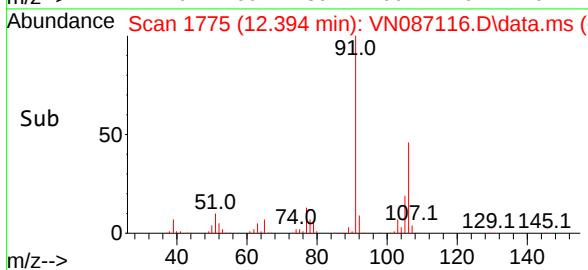
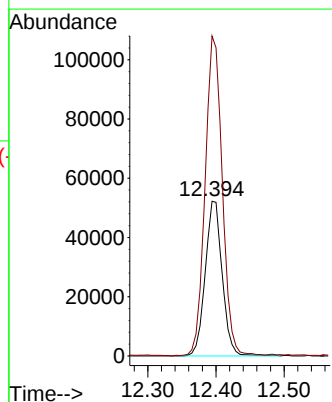
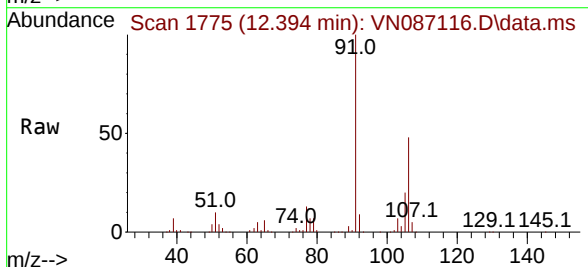
Manual Integrations
APPROVED

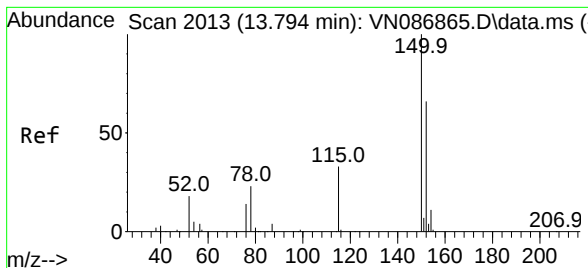
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#69
o-Xylene
Concen: 18.017 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

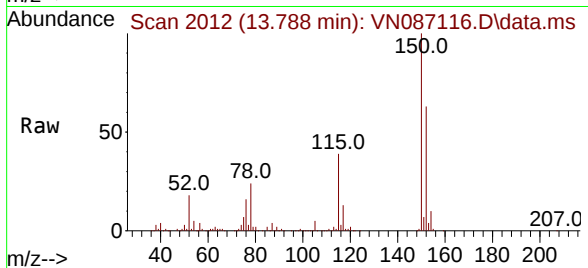
Tgt Ion:106 Resp: 90518
Ion Ratio Lower Upper
106 100
91 210.0 106.1 318.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2013
Delta R.T. -0.006 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

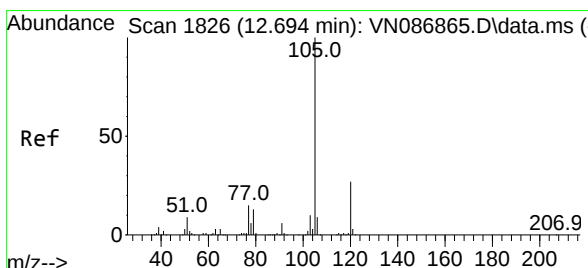
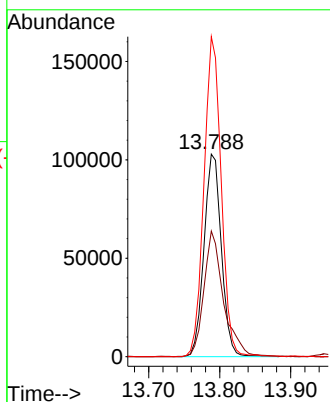
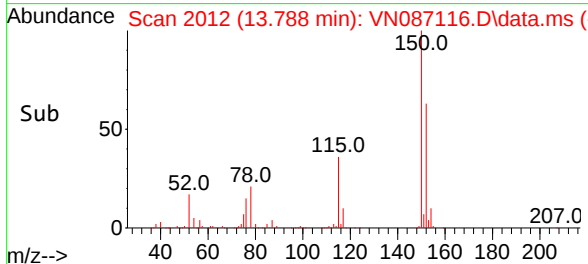
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL



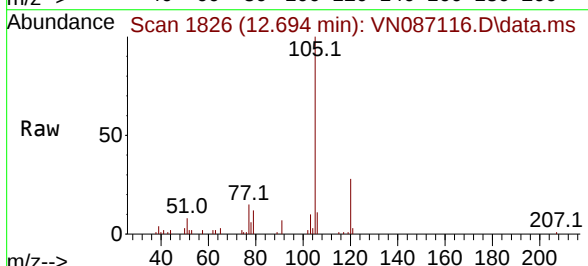
Tgt Ion:152 Resp: 17511
Ion Ratio Lower Upper
152 100
115 70.2 30.1 90.5
150 157.0 0.0 345.0

Manual Integrations
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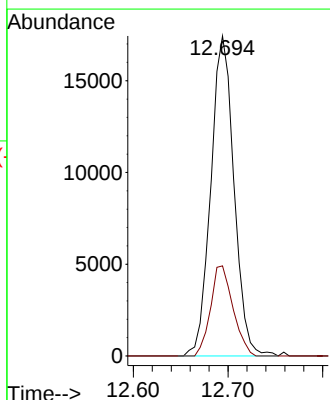
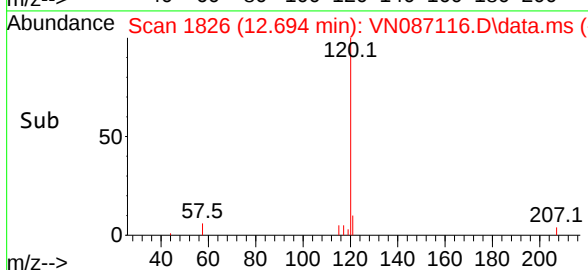
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

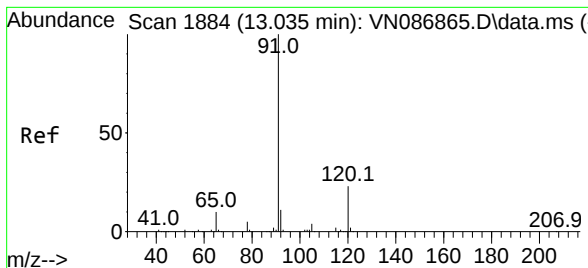


#73
Isopropylbenzene
Concen: 2.324 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49



Tgt Ion:105 Resp: 29651
Ion Ratio Lower Upper
105 100
120 27.2 13.5 40.4





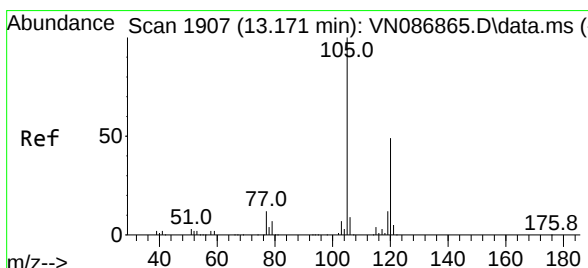
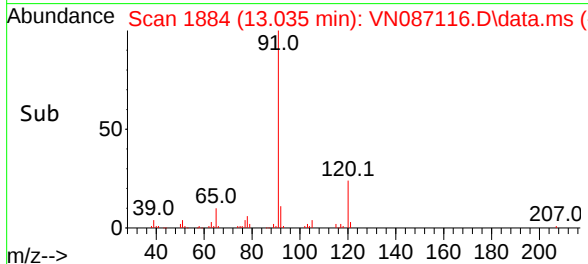
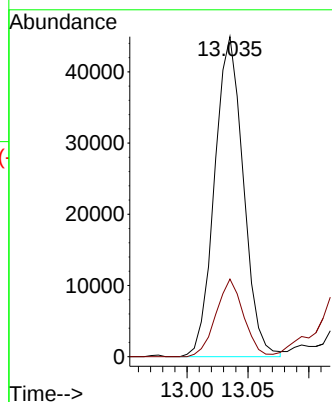
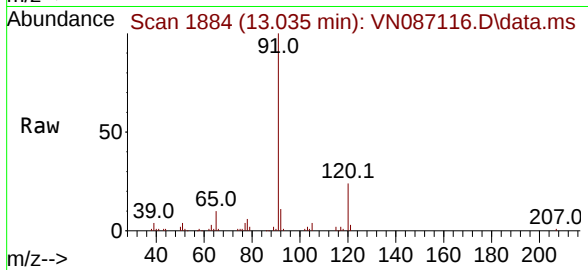
#78
n-propylbenzene
Concen: 4.766 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12DL

Tgt Ion: 91 Resp: 7388
Ion Ratio Lower Upper
91 100
120 23.3 11.4 34.2

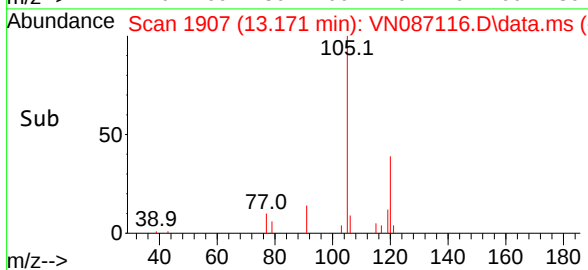
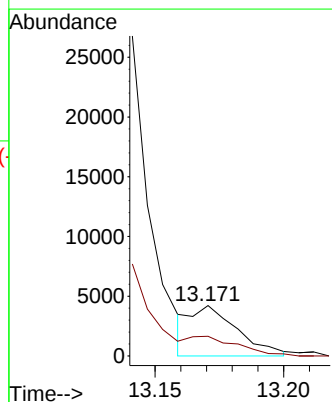
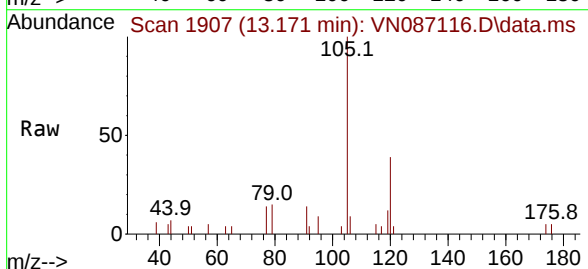
Manual Integrations
APPROVED

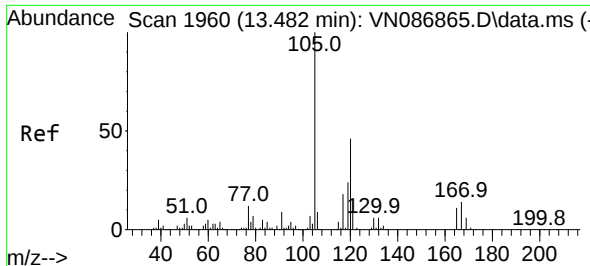
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025



#80
1,3,5-Trimethylbenzene
Concen: 0.506 ug/l m
RT: 13.171 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

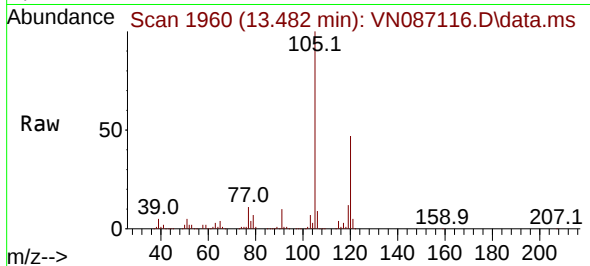
Tgt Ion:105 Resp: 5332
Ion Ratio Lower Upper
105 100
120 602.9 24.9 74.6#





#84
1,2,4-Trimethylbenzene
Concen: 50.025 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

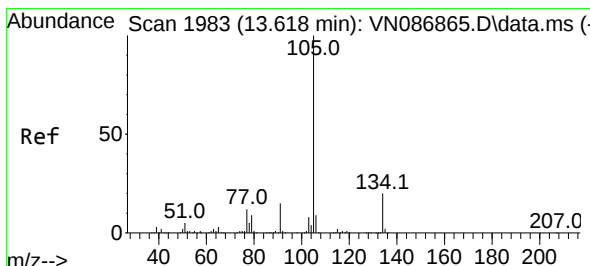
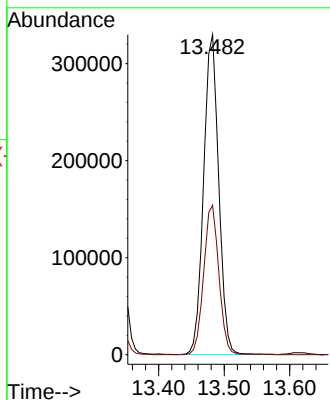
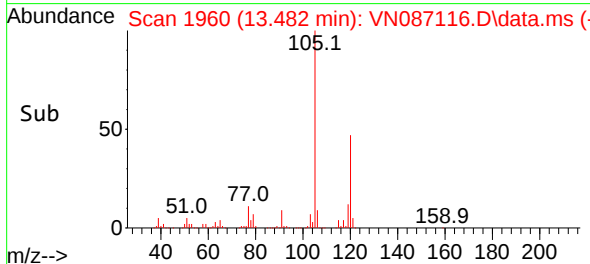
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL



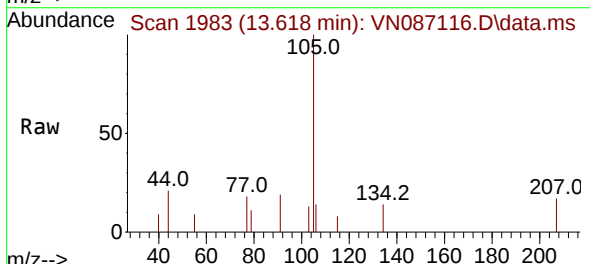
Tgt Ion:105 Resp: 528348
Ion Ratio Lower Upper
105 100
120 47.2 23.2 69.6

Manual Integrations
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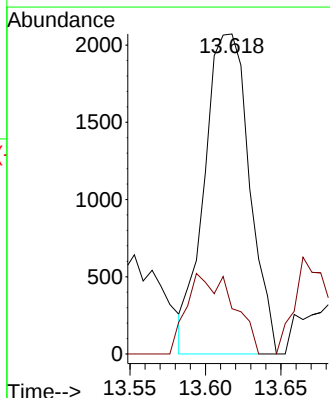
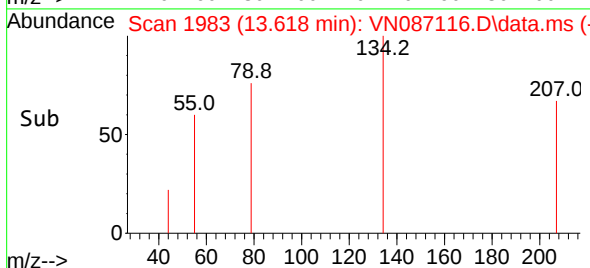
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

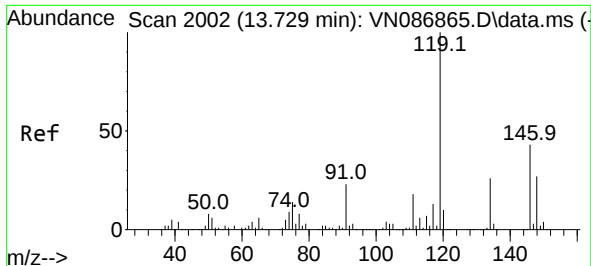


#85
sec-Butylbenzene
Concen: 0.308 ug/l m
RT: 13.618 min Scan# 1983
Delta R.T. -0.000 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49



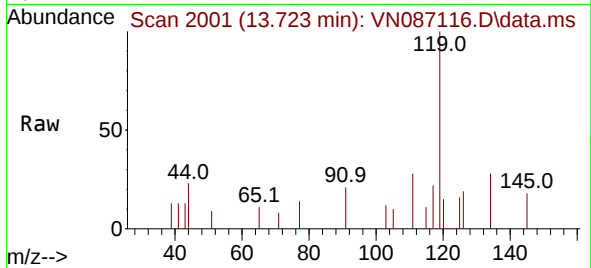
Tgt Ion:105 Resp: 4308
Ion Ratio Lower Upper
105 100
134 0.0 10.0 30.0#





#86
p-Isopropyltoluene
Concen: 0.279 ug/l
RT: 13.723 min Scan# 2002
Delta R.T. -0.006 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

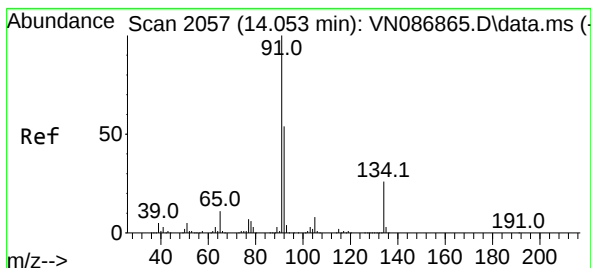
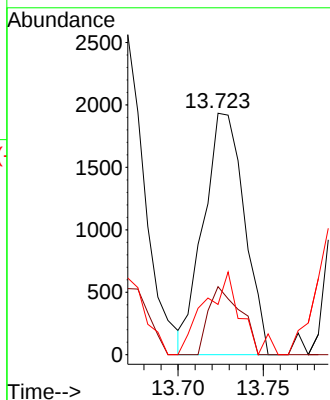
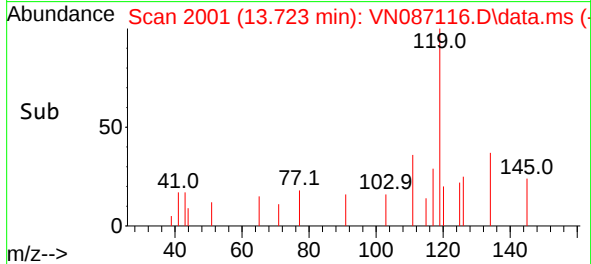
Instrument :
MSVOA_N
ClientSampleId :
MW-12DL



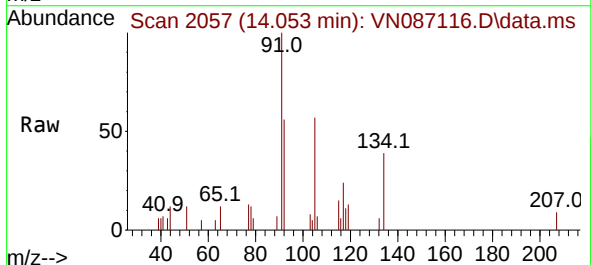
Tgt Ion: 119 Resp: 322
Ion Ratio Lower Upper
119 100
134 22.0 13.5 40.4
91 0.0 11.5 34.4

Manual Integrations
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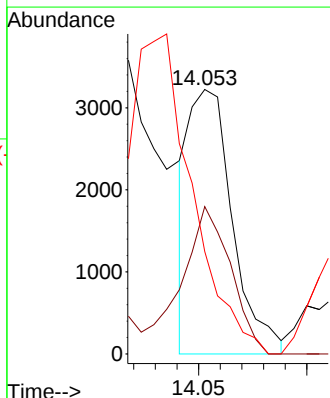
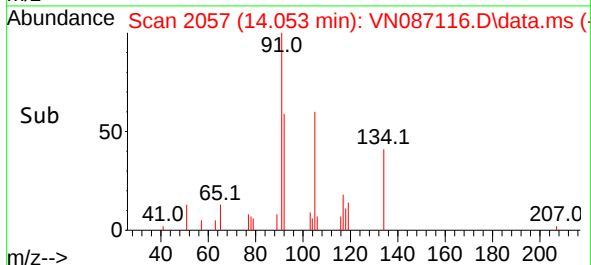
Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

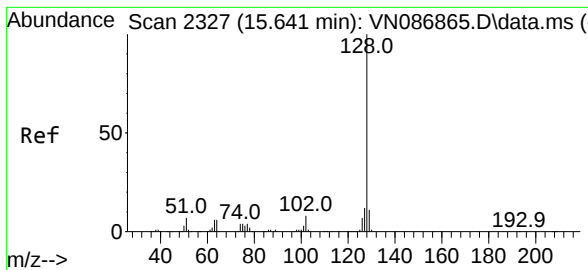


#89
n-Butylbenzene
Concen: 0.404 ug/l m
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49



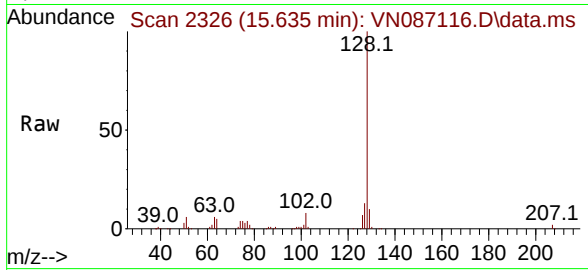
Tgt Ion: 91 Resp: 4533
Ion Ratio Lower Upper
91 100
92 62.5 27.5 82.4
134 178.4 13.0 39.0#





#95
Naphthalene
Concen: 13.475 ug/l
RT: 15.635 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN087116.D
Acq: 19 Jun 2025 16:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12DL



Tgt Ion:128 Resp: 177120
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.8 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/20/2025
Supervised By :Mahesh Dadoda 06/21/2025

