

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032024\
 Data File : VN081498.D
 Acq On : 20 Mar 2024 16:58
 Operator : JC\MD
 Sample : P1784-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2024
 Supervised By : Mahesh Dadoda 03/21/2024

Quant Time: Mar 21 01:22:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	526981	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	888547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	754543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	335591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	306898	45.667	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.340%		
35) Dibromofluoromethane	8.165	113	265883	47.414	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.820%		
50) Toluene-d8	10.571	98	1040079	51.309	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.620%		
62) 4-Bromofluorobenzene	12.847	95	334988	46.899	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	93.800%		
Target Compounds					Qvalue	
25) 2-Butanone	7.483	43	39856	10.699	ug/l	99
31) Cyclohexane	8.259	56	790527	72.287	ug/l #	69
39) Methylcyclohexane	9.600	83	953725	90.498	ug/l	88
52) Toluene	10.630	92	213197	12.158	ug/l	100
67) Ethyl Benzene	11.965	91	746223	24.084	ug/l	100
68) m/p-Xylenes	12.071	106	2661227	229.106	ug/l	95
69) o-Xylene	12.400	106	1265295	110.957	ug/l	95
73) Isopropylbenzene	12.694	105	306063	10.699	ug/l	97
78) n-propylbenzene	13.035	91	622804	18.436	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	838734	35.499	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	3766179	158.596	ug/l	95
85) sec-Butylbenzene	13.618	105	81104m	2.785	ug/l	
86) p-Isopropyltoluene	13.729	119	61406	2.579	ug/l	98
89) n-Butylbenzene	14.053	91	83637	3.962	ug/l #	75

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

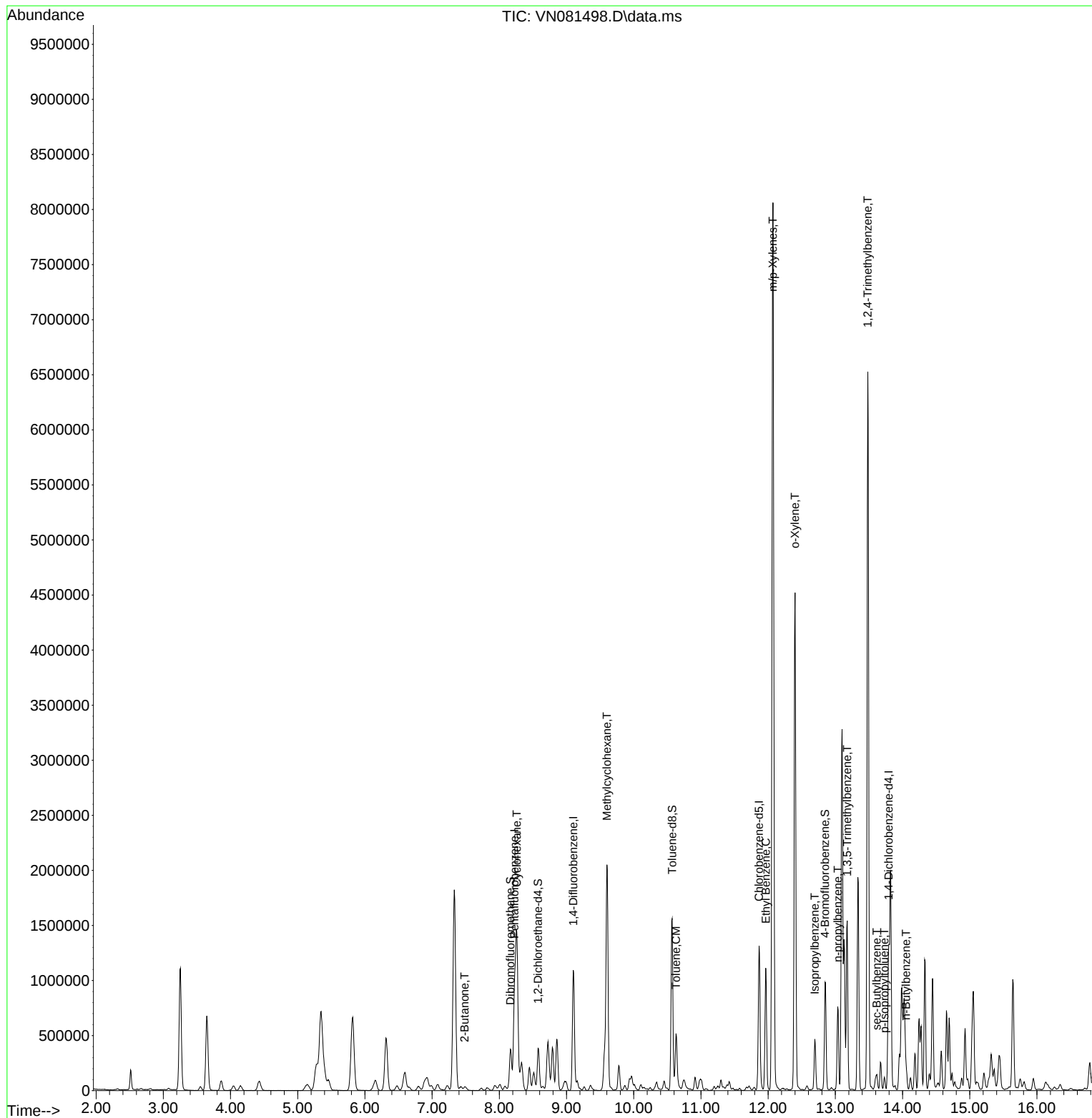
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032024\
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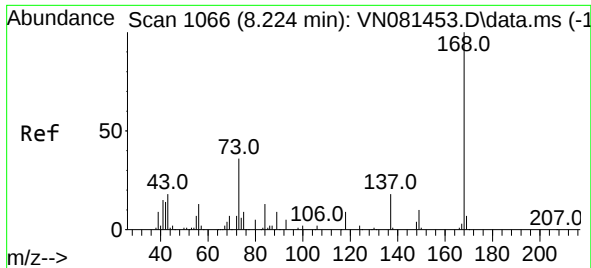
Instrument :
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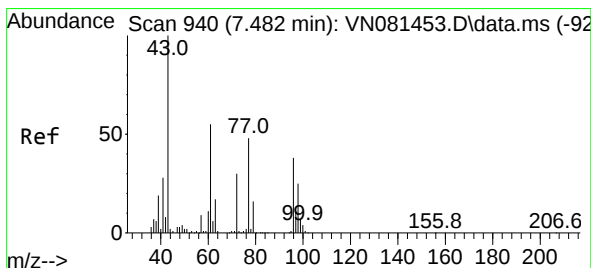
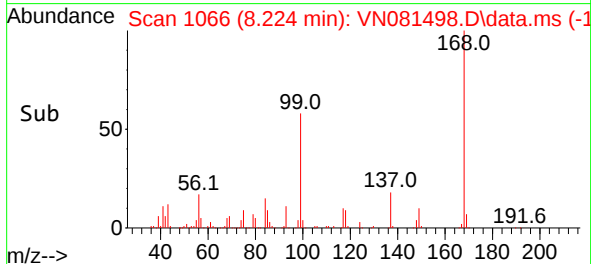
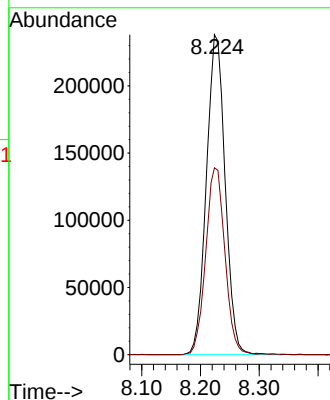
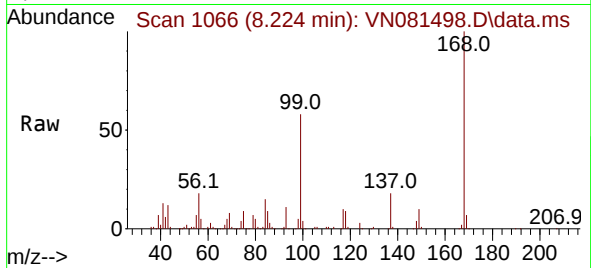
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:168 Resp: 52698
Ion Ratio Lower Upper
168 100
99 58.4 59.9 89.9

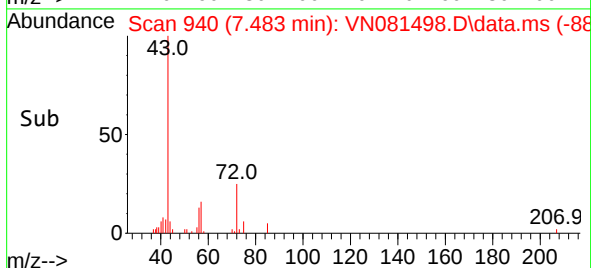
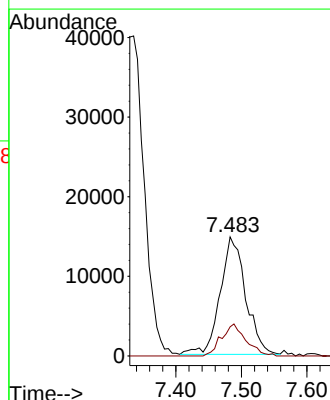
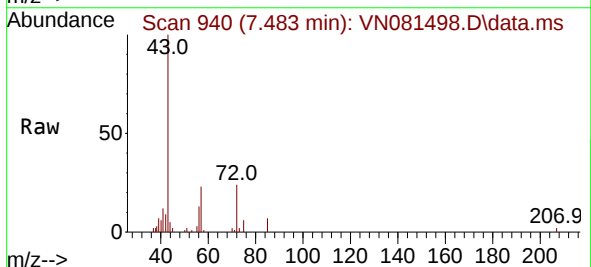
Manual Integrations
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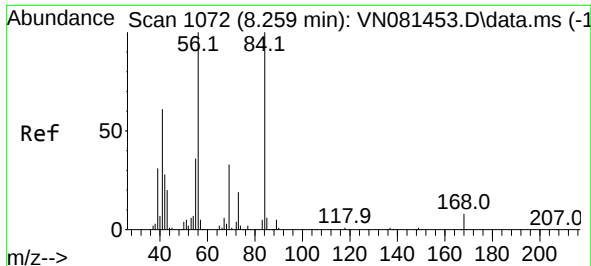
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#25
2-Butanone
Concen: 10.699 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58

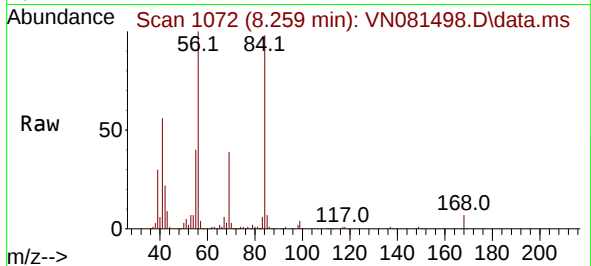
Tgt Ion: 43 Resp: 39856
Ion Ratio Lower Upper
43 100
72 24.7 19.5 29.3





#31
Cyclohexane
Concen: 72.287 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58

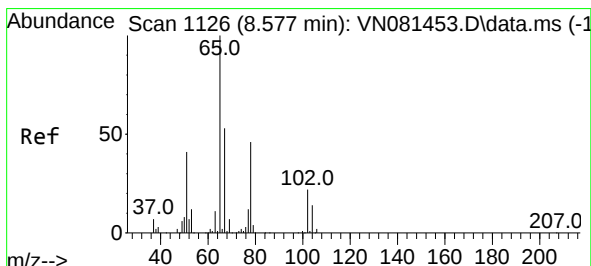
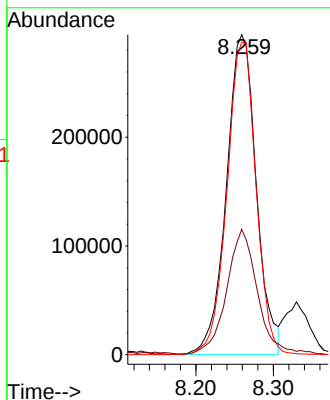
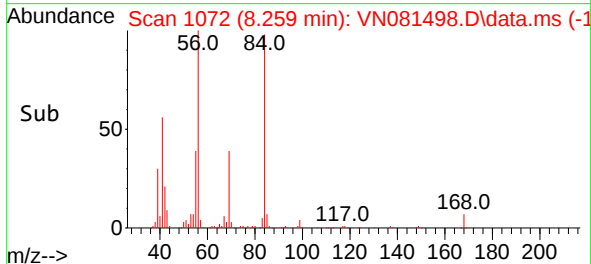
Instrument :
MSVOA_N
ClientSampleId :
MW-3



Tgt Ion: 56 Resp: 79052
Ion Ratio Lower Upper
56 100
69 39.0 20.1 30.1
84 97.7 56.9 85.3

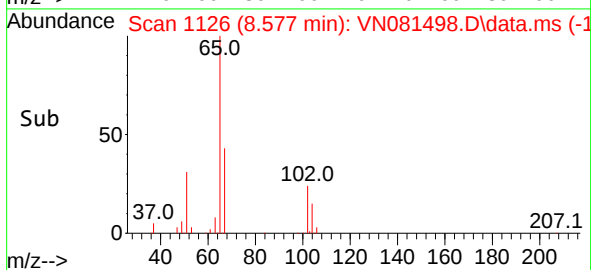
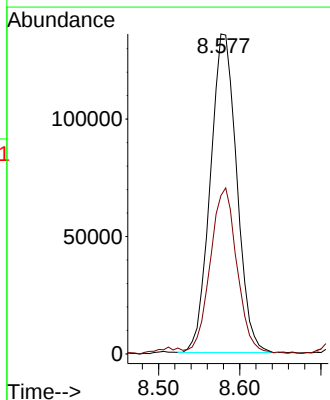
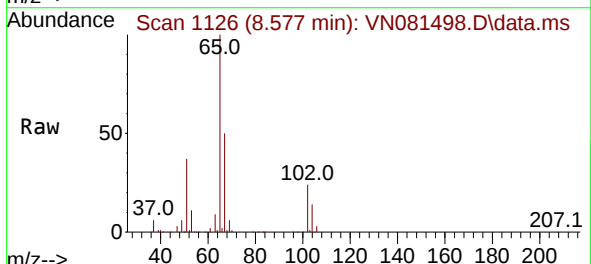
Manual Integrations
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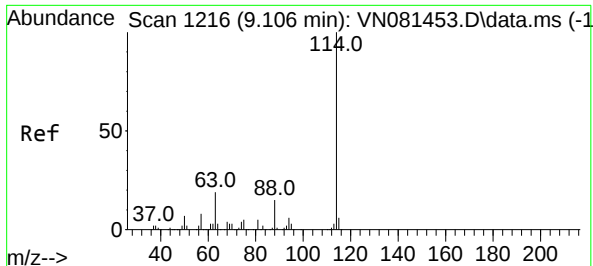
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#33
1,2-Dichloroethane-d4
Concen: 45.667 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58

Tgt Ion: 65 Resp: 306898
Ion Ratio Lower Upper
65 100
67 52.7 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. -0.006 min

Lab File: VN081498.D

Acq: 20 Mar 2024 16:58

Instrument :

MSVOA_N

ClientSampleId :

MW-3

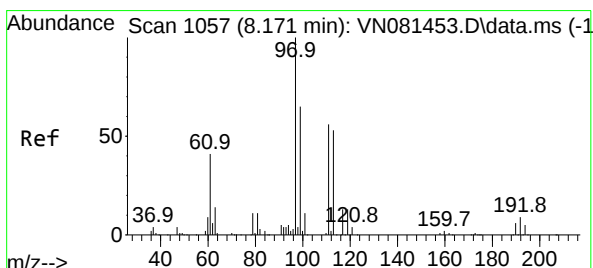
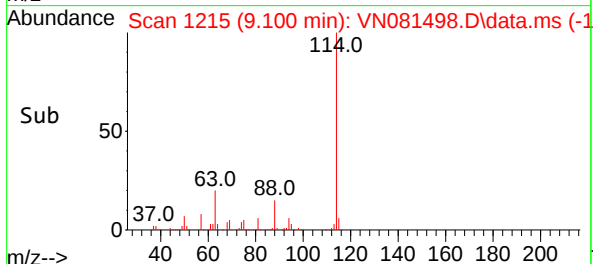
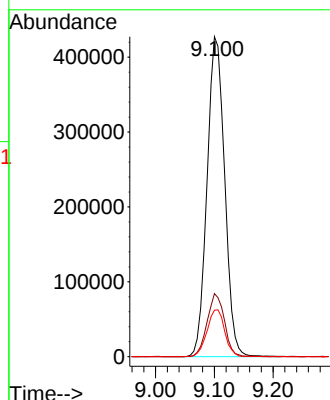
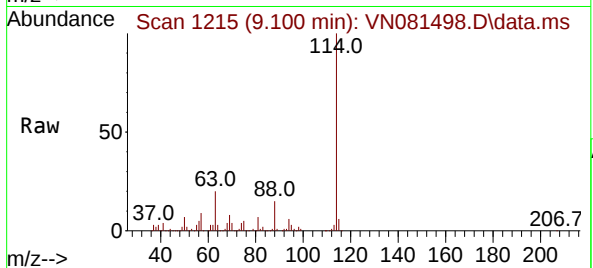
Tgt Ion:	114	Resp:	88854
Ion Ratio	Lower	Upper	
114	100		
63	19.7	0.0	48.0
88	14.5	0.0	34.8

Manual Integrations

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#35

Dibromofluoromethane

Concen: 47.414 ug/l

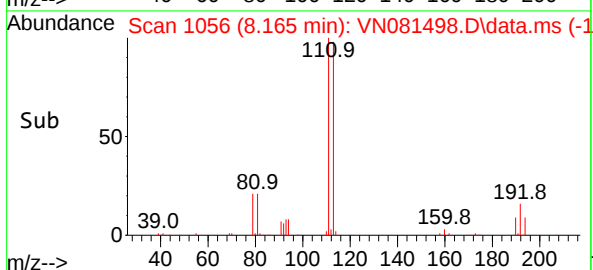
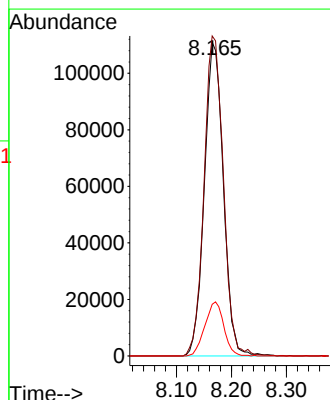
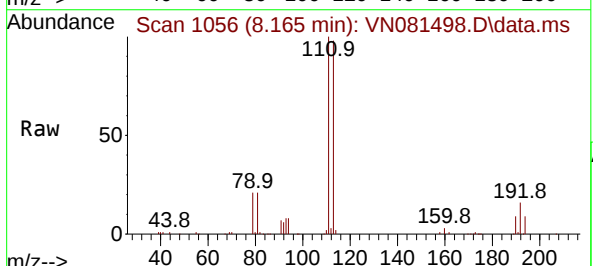
RT: 8.165 min Scan# 1056

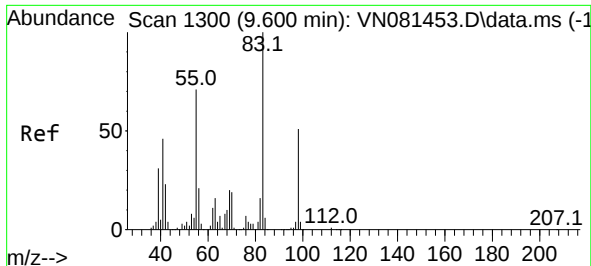
Delta R.T. -0.006 min

Lab File: VN081498.D

Acq: 20 Mar 2024 16:58

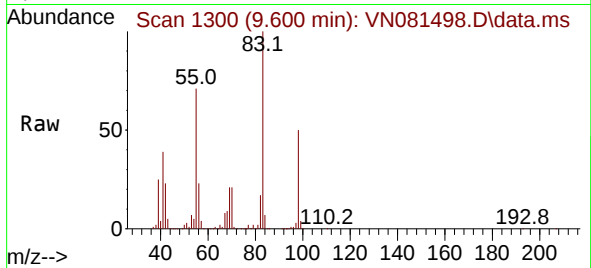
Tgt Ion:	113	Resp:	265883
Ion Ratio	Lower	Upper	
113	100		
111	103.8	82.2	123.4
192	17.3	12.5	18.7





#39
Methylcyclohexane
Concen: 90.498 ug/l
RT: 9.600 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58

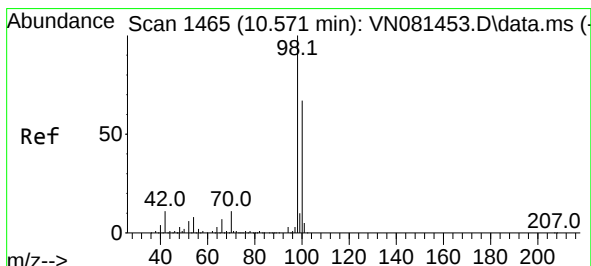
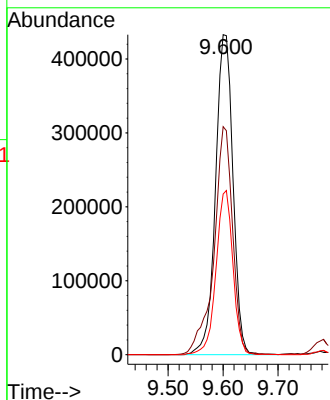
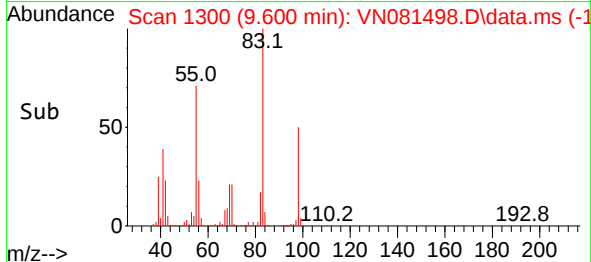
Instrument :
MSVOA_N
ClientSampleId :
MW-3



Tgt Ion: 83 Resp: 953725
Ion Ratio Lower Upper
83 100
55 71.2 65.7 98.5
98 50.2 33.8 50.6

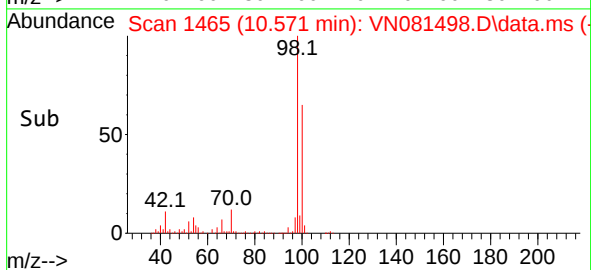
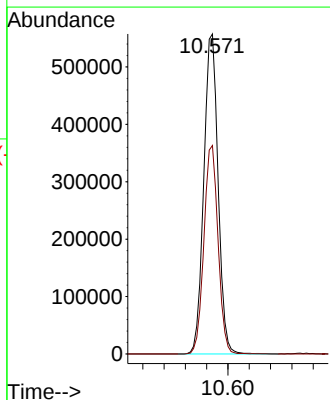
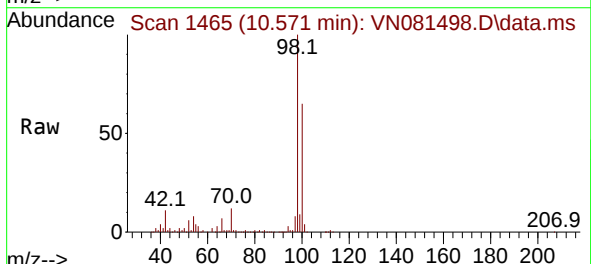
Manual Integrations
APPROVED

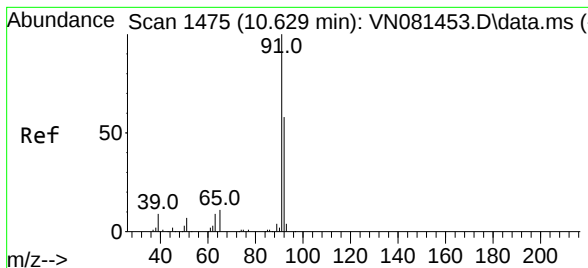
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#50
Toluene-d8
Concen: 51.309 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58

Tgt Ion: 98 Resp: 1040079
Ion Ratio Lower Upper
98 100
100 64.4 51.4 77.0





#52

Toluene

Concen: 12.158 ug/l

RT: 10.630 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VN081498.D

Acq: 20 Mar 2024 16:58

Instrument :

MSVOA_N

ClientSampleId :

MW-3

Tgt Ion: 92 Resp: 21319

Ion Ratio Lower Upper

92 100

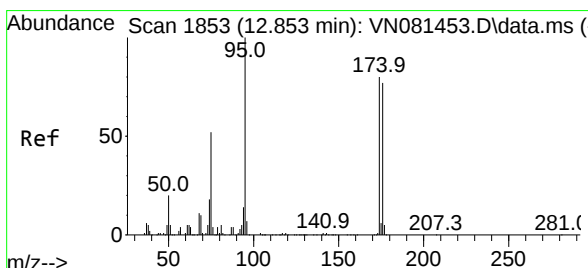
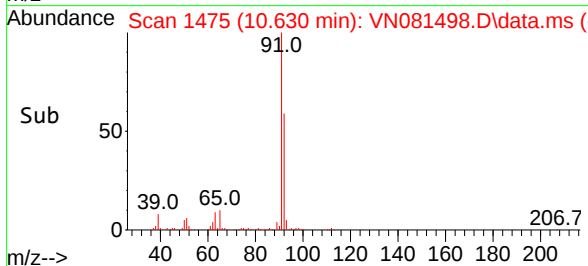
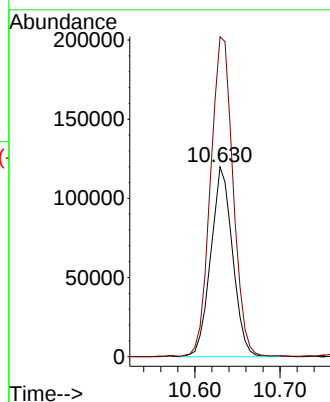
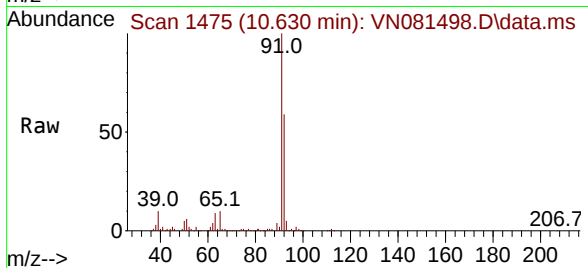
91 174.0 139.4 209.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2024

Supervised By :Mahesh Dadoda 03/21/2024



#62

4-Bromofluorobenzene

Concen: 46.899 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.006 min

Lab File: VN081498.D

Acq: 20 Mar 2024 16:58

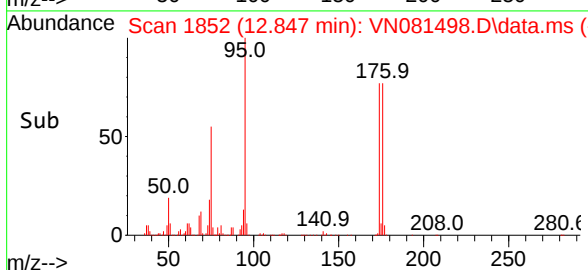
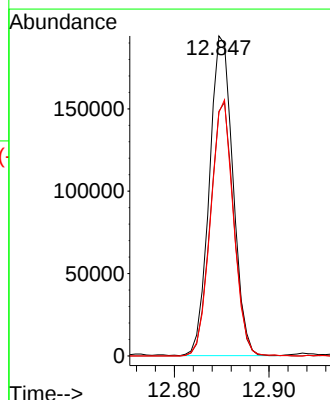
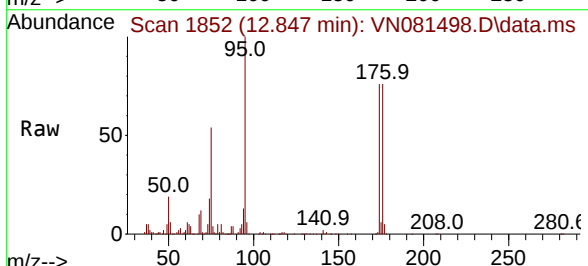
Tgt Ion: 95 Resp: 334988

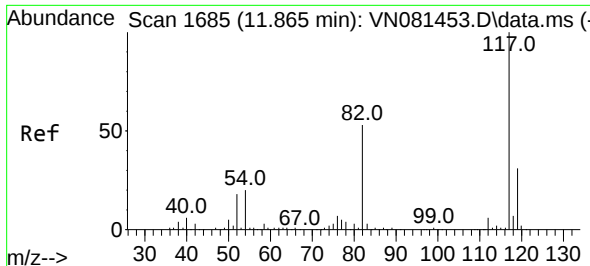
Ion Ratio Lower Upper

95 100

174 78.4 0.0 120.4

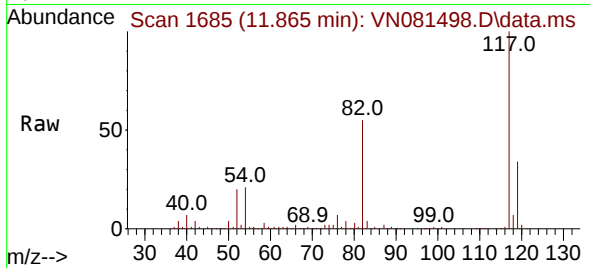
176 77.5 0.0 121.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58

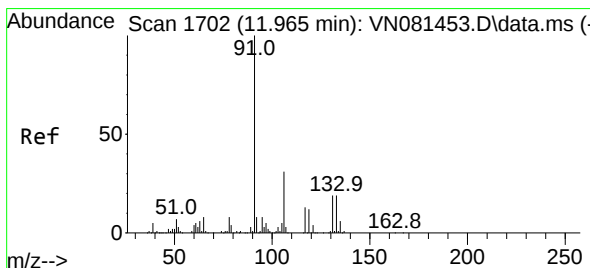
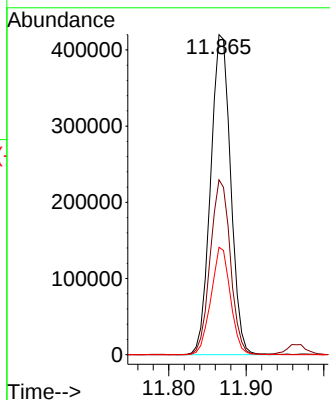
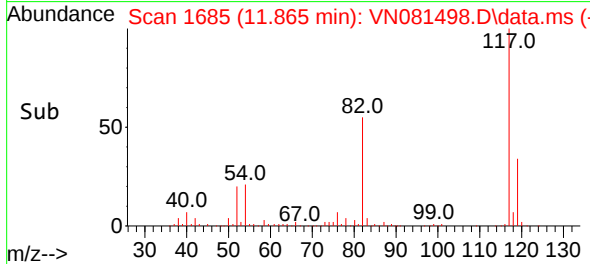
Instrument :
MSVOA_N
ClientSampleId :
MW-3



Tgt Ion:117 Resp: 75454
Ion Ratio Lower Upper
117 100
82 54.7 52.7 79.1
119 33.6 25.3 37.9

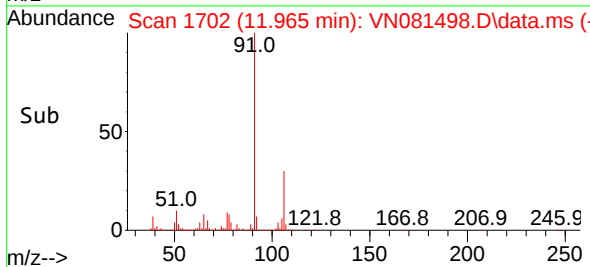
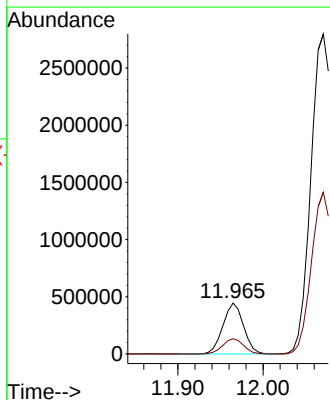
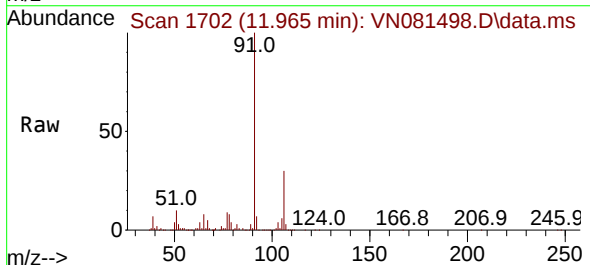
Manual Integrations
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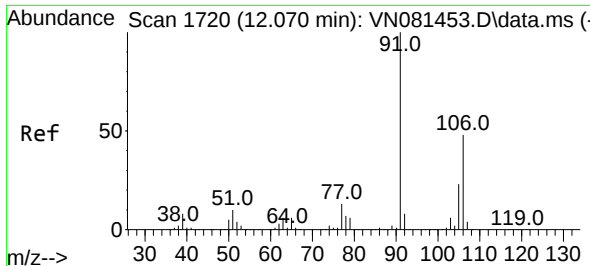
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#67
Ethyl Benzene
Concen: 24.084 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58

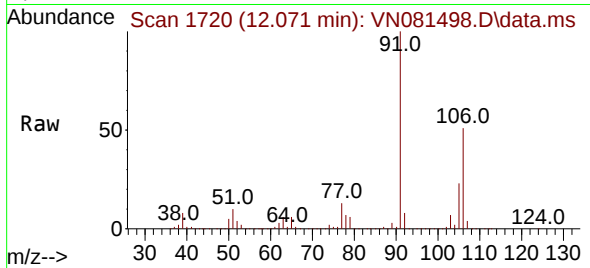
Tgt Ion: 91 Resp: 746223
Ion Ratio Lower Upper
91 100
106 29.8 23.8 35.6





#68
m/p-Xylenes
Concen: 229.106 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58

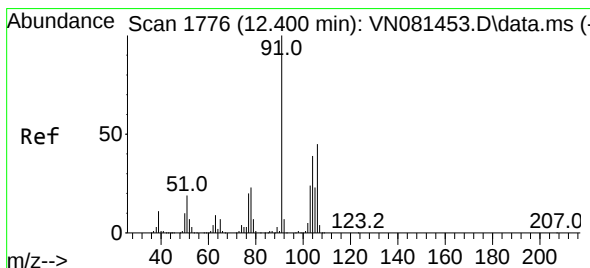
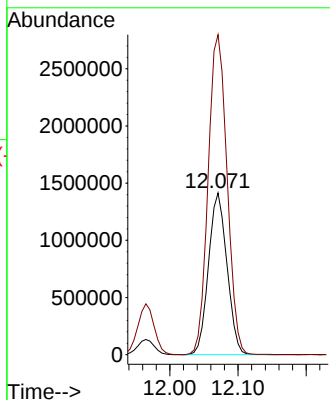
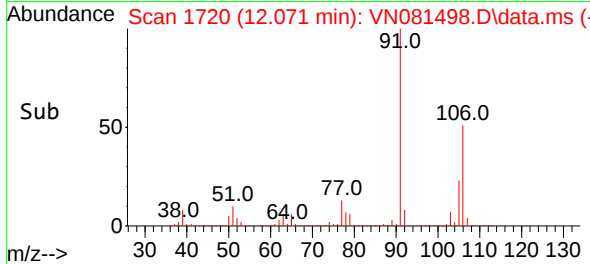
Instrument :
MSVOA_N
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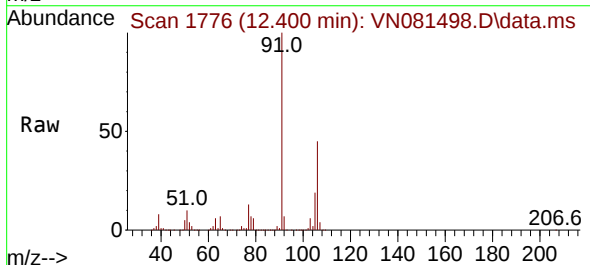
Tgt Ion:106 Resp: 2661227
Ion Ratio Lower Upper
106 100
91 203.3 169.0 253.6

Manual Integrations
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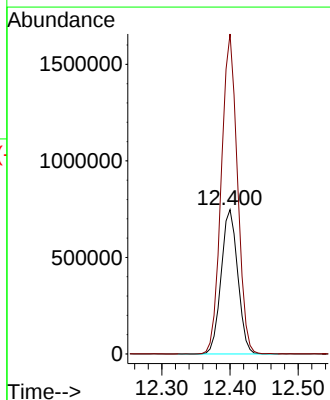
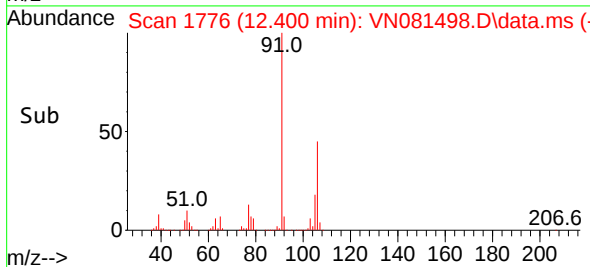
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024

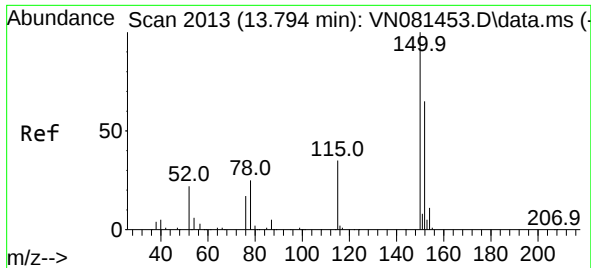


#69
o-Xylene
Concen: 110.957 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58



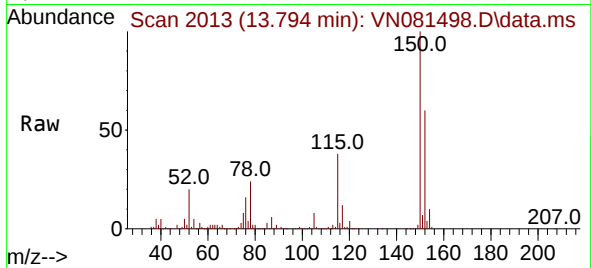
Tgt Ion:106 Resp: 1265295
Ion Ratio Lower Upper
106 100
91 216.2 112.1 336.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58

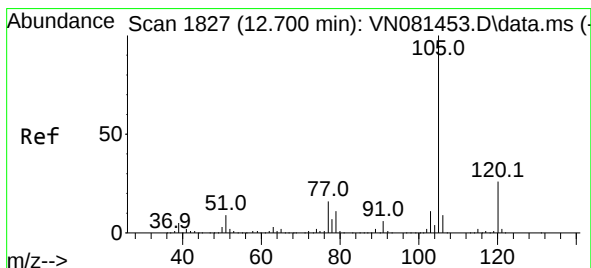
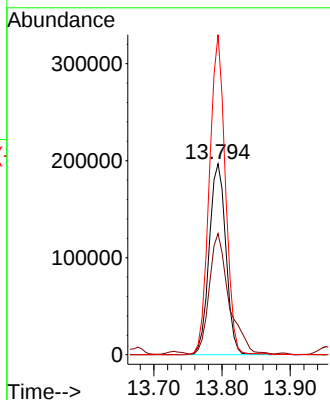
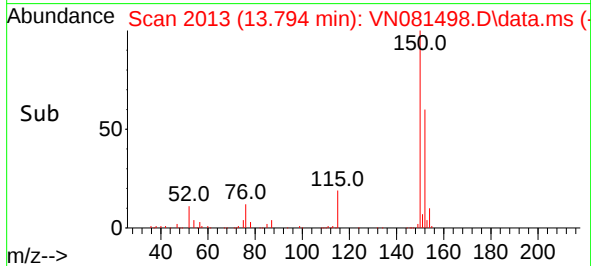
Instrument :
MSVOA_N
ClientSampleId :
MW-3



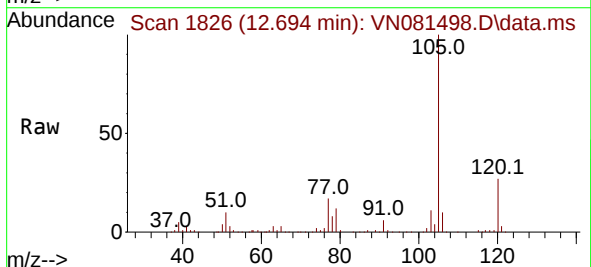
Tgt Ion:152 Resp: 33559
Ion Ratio Lower Upper
152 100
115 74.4 32.3 96.8
150 160.2 0.0 339.8

Manual Integrations
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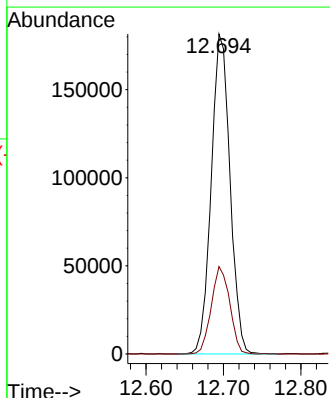
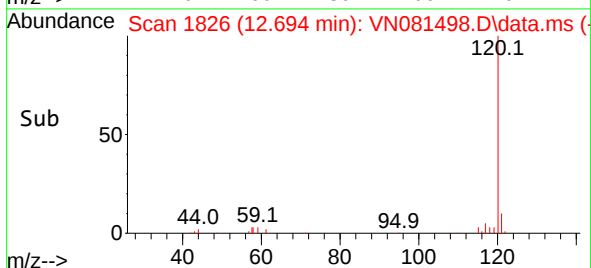
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024

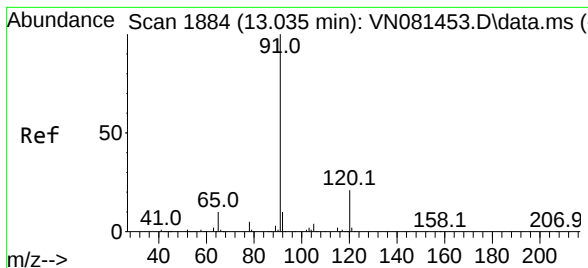


#73
Isopropylbenzene
Concen: 10.699 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.006 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58



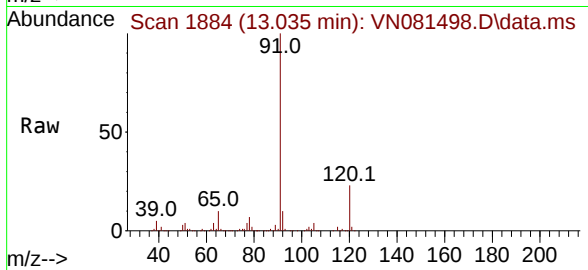
Tgt Ion:105 Resp: 306063
Ion Ratio Lower Upper
105 100
120 26.8 12.6 37.6





#78
n-propylbenzene
Concen: 18.436 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58

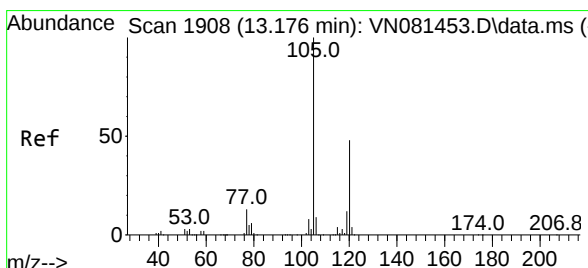
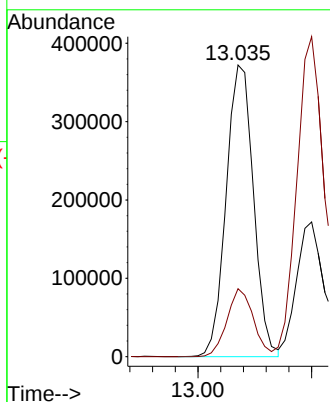
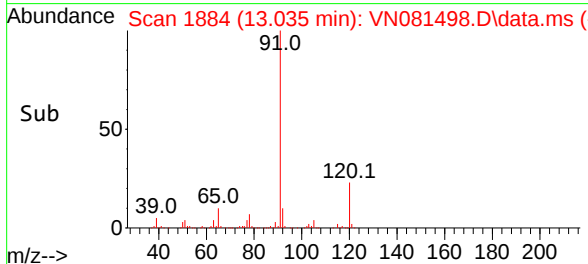
Instrument :
MSVOA_N
ClientSampleId :
MW-3



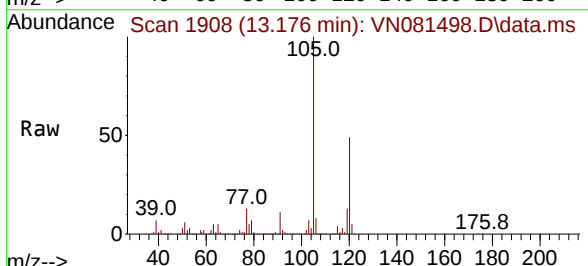
Tgt Ion: 91 Resp: 622804
Ion Ratio Lower Upper
91 100
120 22.5 10.3 30.9

Manual Integrations
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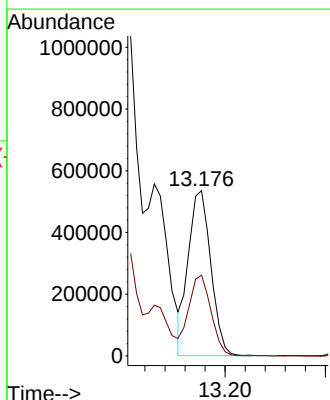
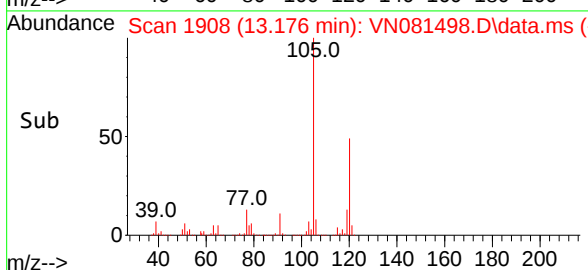
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024

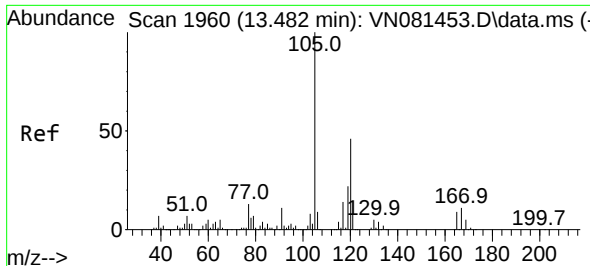


#80
1,3,5-Trimethylbenzene
Concen: 35.499 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58



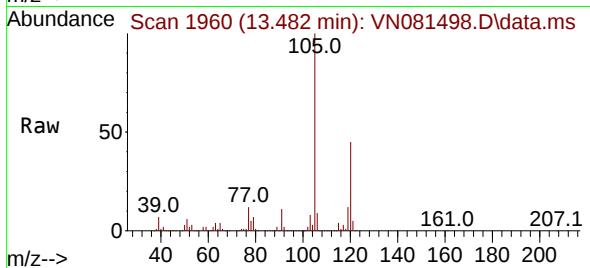
Tgt Ion:105 Resp: 838734
Ion Ratio Lower Upper
105 100
120 48.1 23.0 69.0





#84
1,2,4-Trimethylbenzene
Concen: 158.596 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58

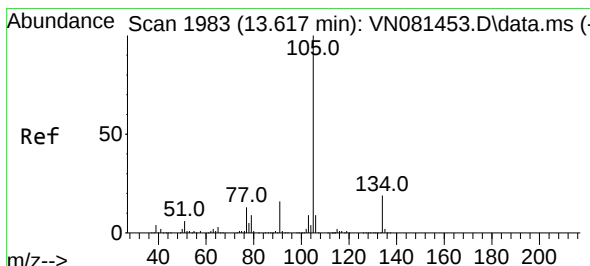
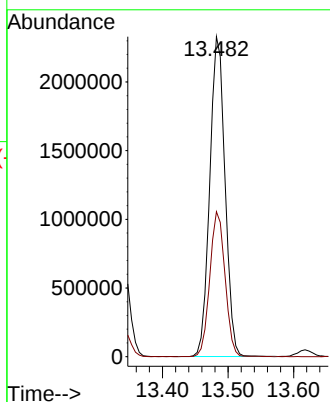
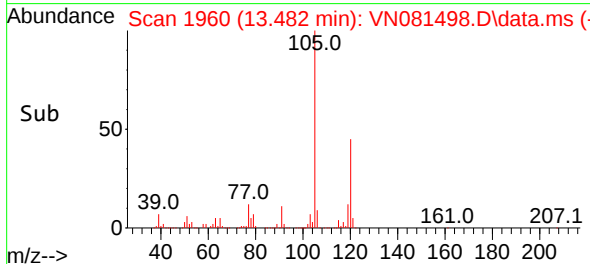
Instrument :
MSVOA_N
ClientSampleId :
MW-3



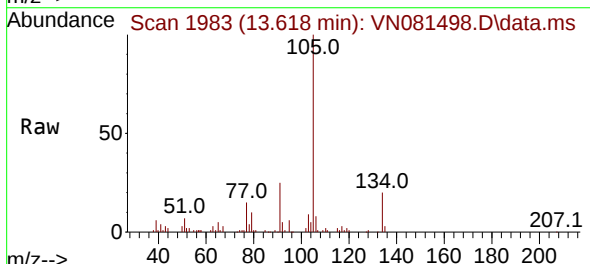
Tgt Ion:105 Resp: 3766179
Ion Ratio Lower Upper
105 100
120 45.2 20.9 62.7

Manual Integrations
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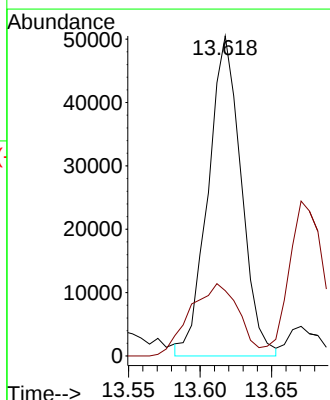
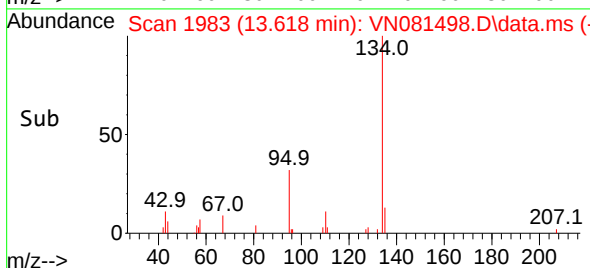
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024

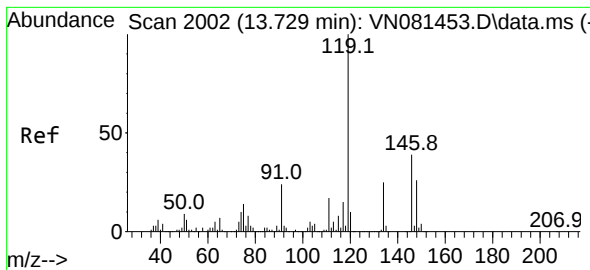


#85
sec-Butylbenzene
Concen: 2.785 ug/l m
RT: 13.618 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58



Tgt Ion:105 Resp: 81104
Ion Ratio Lower Upper
105 100
134 0.0 8.6 25.8#





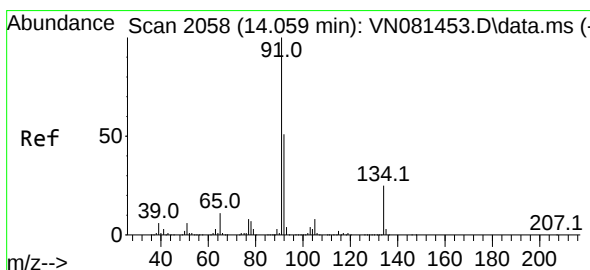
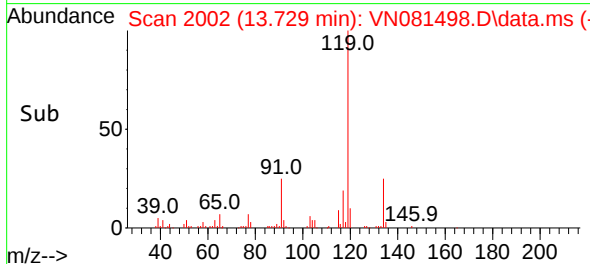
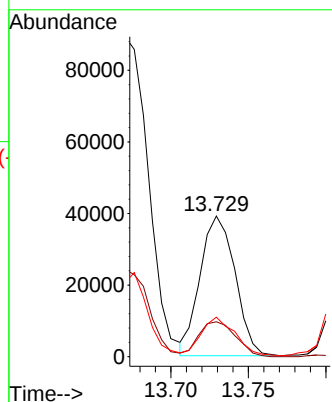
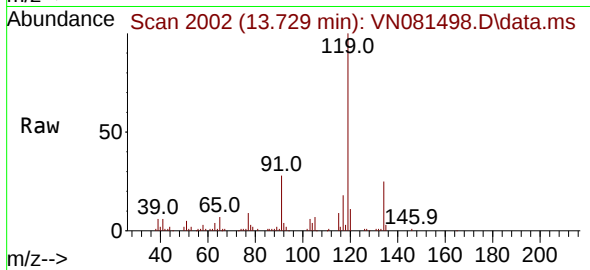
#86
p-Isopropyltoluene
Concen: 2.579 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:119 Resp: 61400
Ion Ratio Lower Upper
119 100
134 26.5 12.4 37.2
91 26.5 13.5 40.4

Manual Integrations
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Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#89
n-Butylbenzene
Concen: 3.962 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.006 min
Lab File: VN081498.D
Acq: 20 Mar 2024 16:58

Tgt Ion: 91 Resp: 83637
Ion Ratio Lower Upper
91 100
92 65.0 26.7 80.1
134 0.0 10.8 32.4#

