

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074266.D
 Acq On : 02 Sep 2022 01:42
 Operator : JC\MD
 Sample : N4376-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-39

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/02/2022
 Supervised By : Mahesh Dadoda 09/02/2022

Quant Time: Sep 02 05:44:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	212101	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	403588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	396990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.609	152	223442	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	159336	48.427	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.860%
35) Dibromofluoromethane	7.951	113	126738	48.259	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.520%
50) Toluene-d8	10.380	98	496891	48.044	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.080%
62) 4-Bromofluorobenzene	12.668	95	222579	70.768	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	141.540%#
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.281	59	197034	267.015	ug/l	99
16) Acetone	4.228	43	14547m	6.617	ug/l	
19) Methyl tert-butyl Ether	5.534	73	122287	13.294	ug/l #	1
22) Diisopropyl ether	6.416	45	24551	2.173	ug/l #	80
25) 2-Butanone	7.257	43	13619	3.872	ug/l #	69
31) Cyclohexane	8.027	56	161668	29.739	ug/l	85
39) Methylcyclohexane	9.398	83	127313	25.452	ug/l	91
40) Benzene	8.392	78	5884884	439.843	ug/l	98
51) 4-Methyl-2-Pentanone	10.274	43	9626	1.385	ug/l #	81
52) Toluene	10.445	92	7862281	996.965	ug/l	98
67) Ethyl Benzene	11.780	91	16458287	1026.633	ug/l	91
68) m/p-Xylenes	11.886	106	19333451	3246.361	ug/l #	1
69) o-Xylene	12.221	106	11740738	1978.522	ug/l	69
73) Isopropylbenzene	12.521	105	682050	35.643	ug/l	97
78) n-propylbenzene	12.857	91	2390601	109.599	ug/l	94
80) 1,3,5-Trimethylbenzene	12.998	105	3087331	198.382	ug/l	98
84) 1,2,4-Trimethylbenzene	13.309	105	13144962	875.185	ug/l	98
85) sec-Butylbenzene	13.439	105	97715m	5.233	ug/l	
86) p-Isopropyltoluene	13.557	119	61957	4.264	ug/l #	78
89) n-Butylbenzene	13.880	91	72447	5.725	ug/l #	63
95) Naphthalene	15.433	128	6909568	399.292	ug/l	99

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

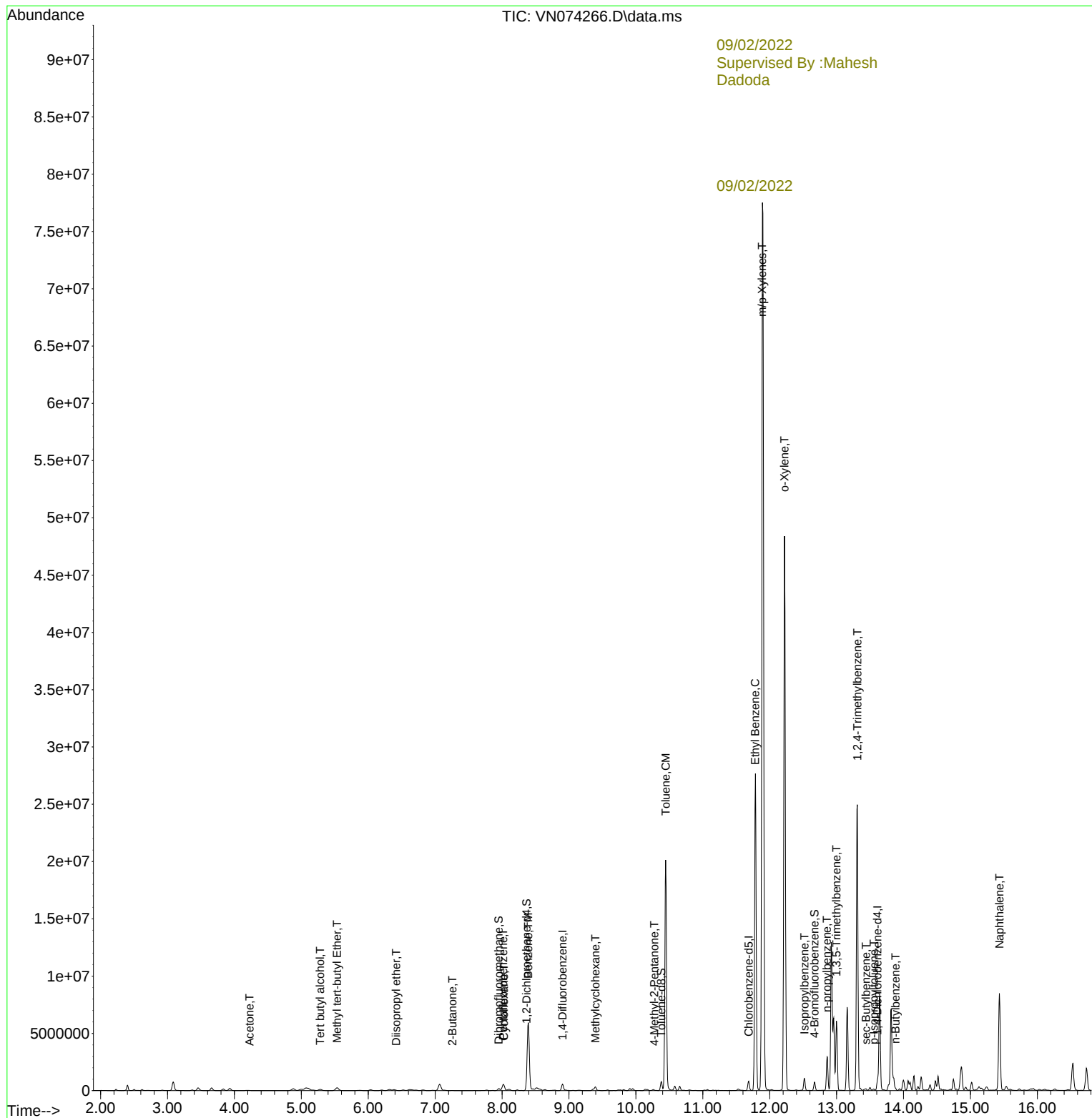
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN074266.D
Data File : VN074266.D
Acq On : 02 Sep 2022 01:42
Operator : JC\MD
Sample : N4376-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 41 Sample Multiplier: 1

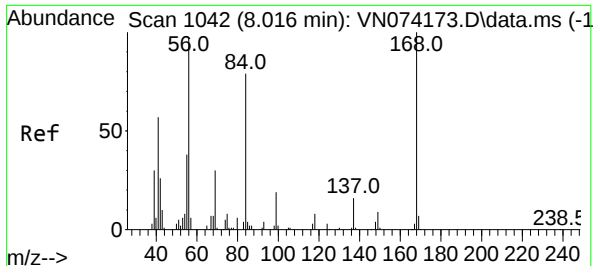
Instrument :
MSVOA_N
ClientSampleId :
MW-39

Manual Integrations
APPROVED

Reviewed By : John Carlone 09/02/2022
Supervised By : Mahesh Dadoda 09/02/2022

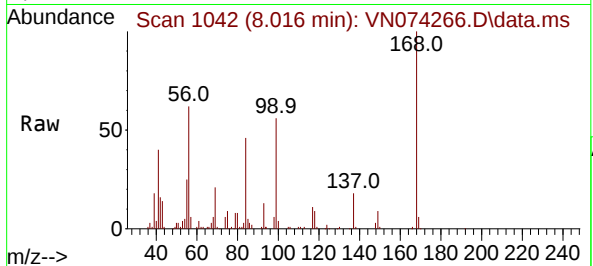
Quant Time: Sep 02 05:44:17 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 31 07:02:40 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

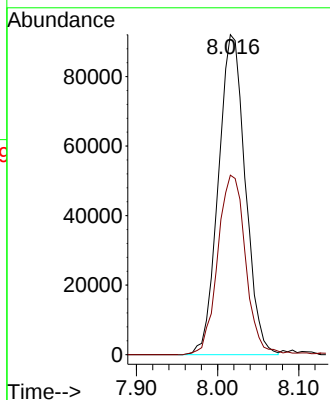
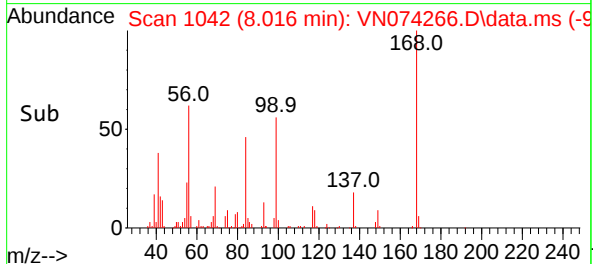
Instrument :
MSVOA_N
ClientSampleId :
MW-39



Tgt Ion: 168 Resp: 21210
Ion Ratio Lower Upper
168 100
99 56.1 42.3 63.5

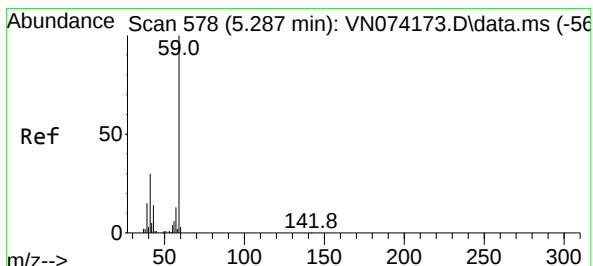
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022

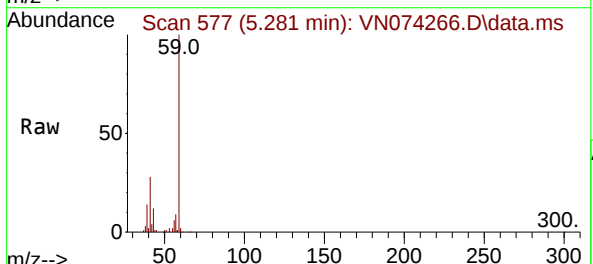


09/02/2022
Supervised By :Mahesh
Dadoda

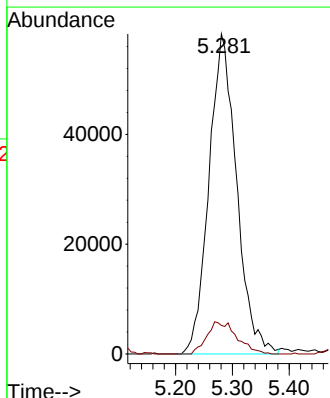
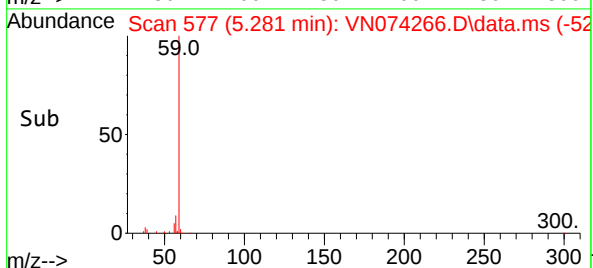
09/02/2022

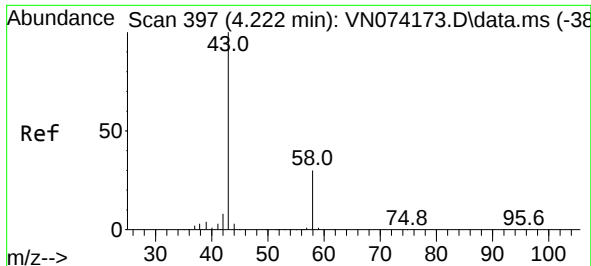


#11
Tert butyl alcohol
Concen: 267.015 ug/l
RT: 5.281 min Scan# 577
Delta R.T. -0.006 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42



Tgt Ion: 59 Resp: 197034
Ion Ratio Lower Upper
59 100
57 10.9 8.3 12.5





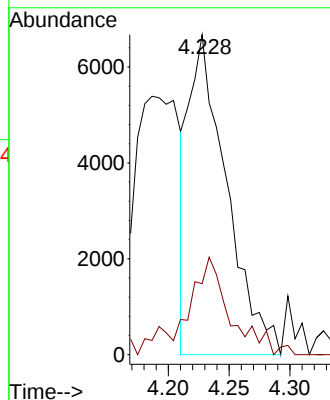
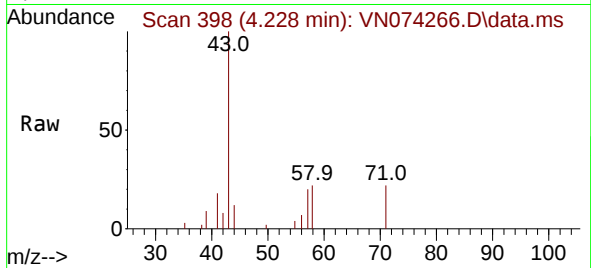
#16
Acetone
Concen: 6.617 ug/l m
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

Instrument :
MSVOA_N
ClientSampleId :
MW-39

Tgt Ion: 43 Resp: 1454
Ion Ratio Lower Upper
43 100
58 22.2 26.0 39.0

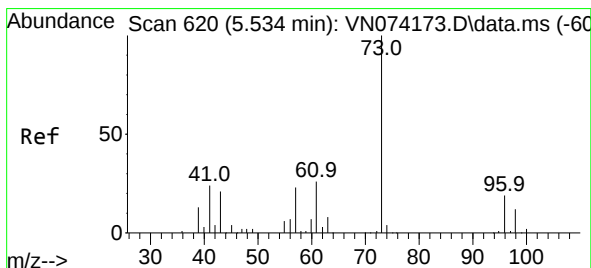
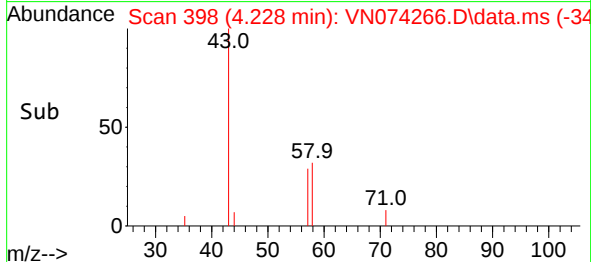
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



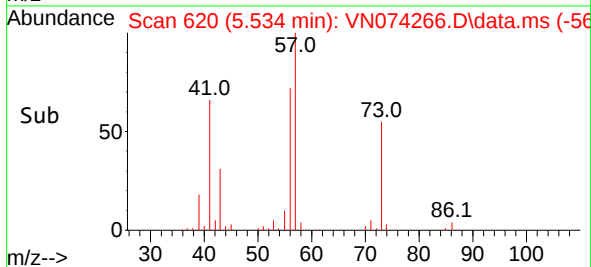
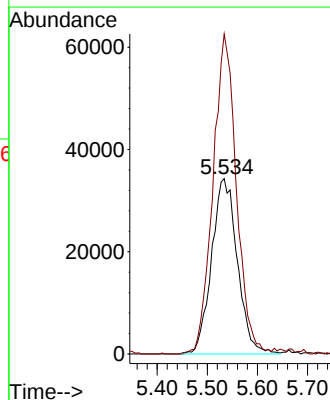
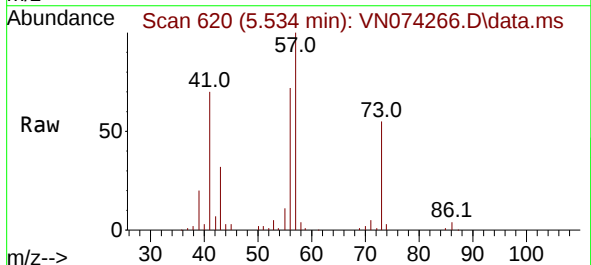
09/02/2022
Supervised By :Mahesh
Dadoda

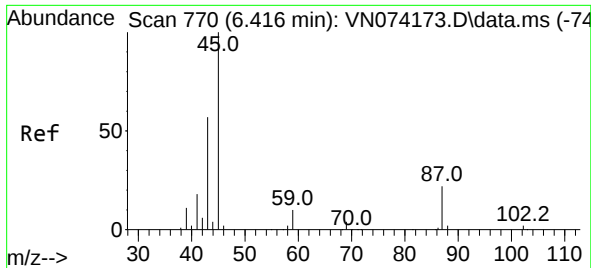
09/02/2022



#19
Methyl tert-butyl Ether
Concen: 13.294 ug/l
RT: 5.534 min Scan# 620
Delta R.T. -0.000 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

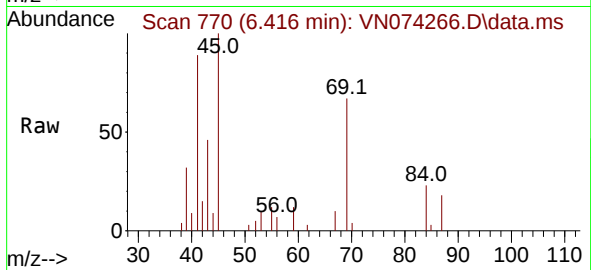
Tgt Ion: 73 Resp: 122287
Ion Ratio Lower Upper
73 100
57 182.5 17.6 26.4





#22
Diisopropyl ether
Concen: 2.173 ug/l
RT: 6.416 min Scan# 770
Delta R.T. -0.000 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

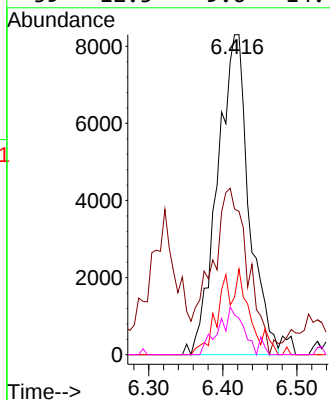
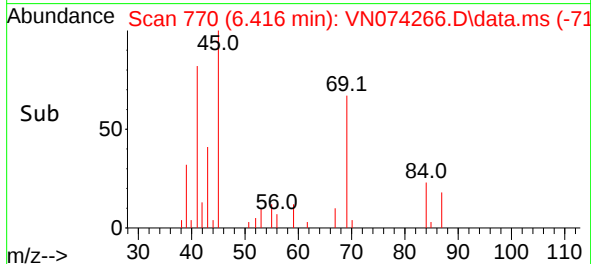
Instrument :
MSVOA_N
ClientSampleId :
MW-39



Tgt Ion: 45 Resp: 2455
Ion Ratio Lower Upper
45 100
43 42.0 46.6 70.0
87 17.9 24.3 36.5
59 12.5 9.6 14.4

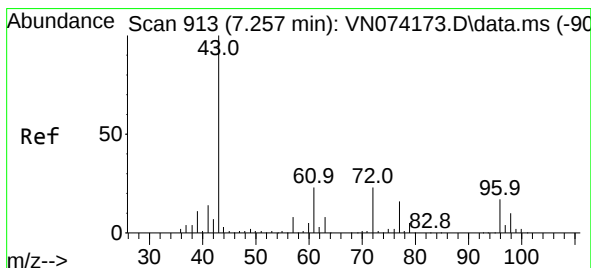
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



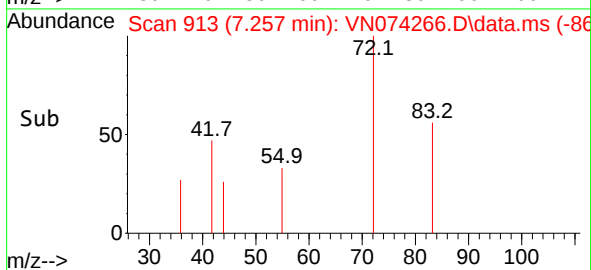
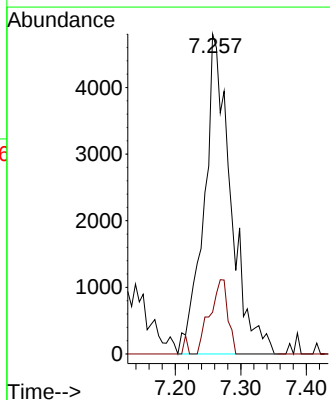
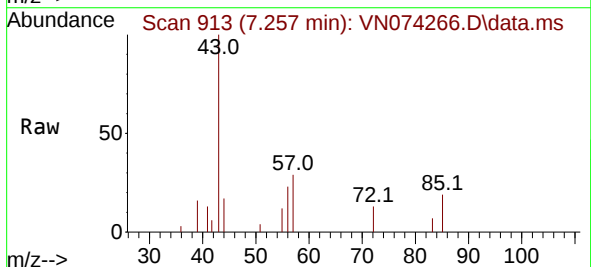
09/02/2022
Supervised By :Mahesh
Dadoda

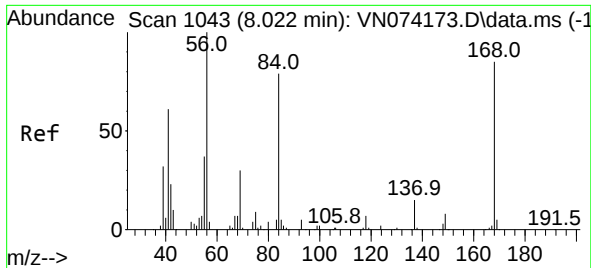
09/02/2022



#25
2-Butanone
Concen: 3.872 ug/l
RT: 7.257 min Scan# 913
Delta R.T. -0.000 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

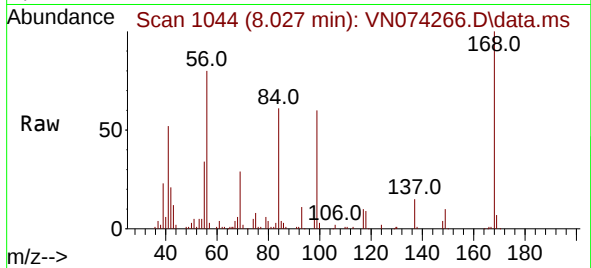
Tgt Ion: 43 Resp: 13619
Ion Ratio Lower Upper
43 100
72 13.1 23.7 35.5





#31
Cyclohexane
Concen: 29.739 ug/l
RT: 8.027 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

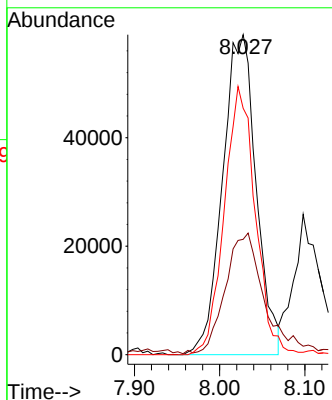
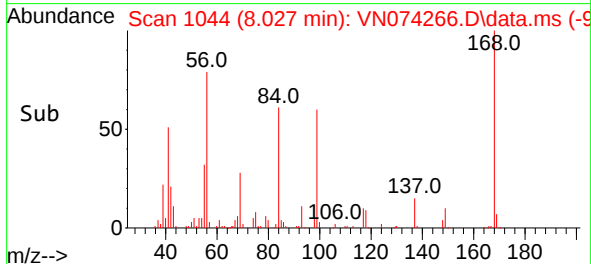
Instrument :
MSVOA_N
ClientSampleId :
MW-39



Tgt Ion: 56 Resp: 161668
Ion Ratio Lower Upper
56 100
69 35.1 27.8 41.8
84 77.0 76.9 115.3

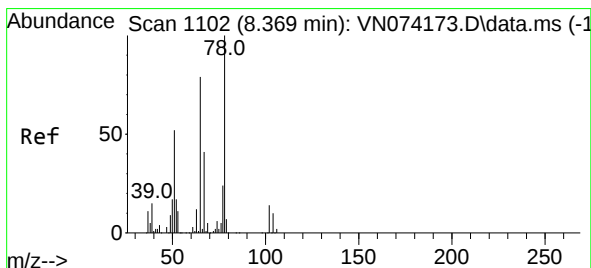
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



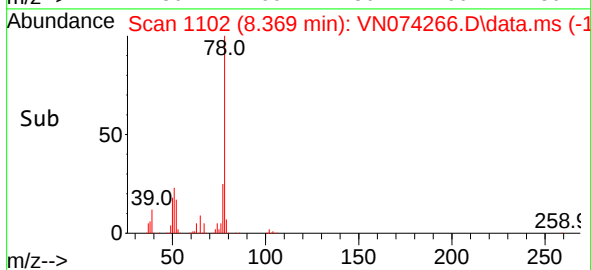
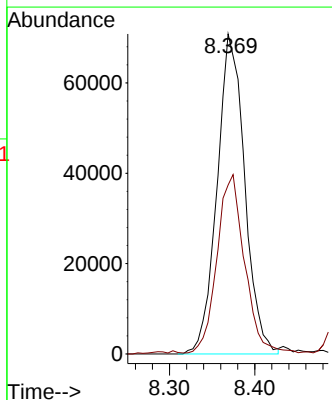
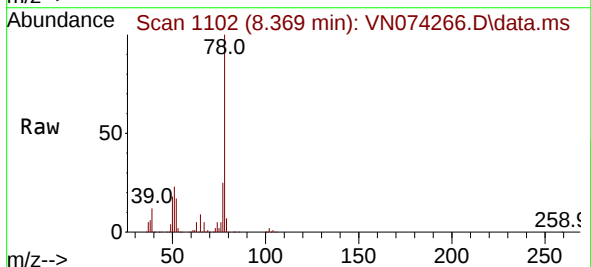
09/02/2022
Supervised By :Mahesh
Dadoda

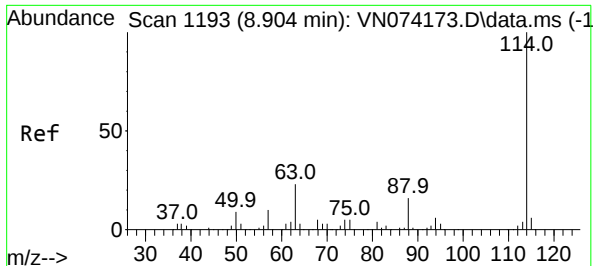
09/02/2022



#33
1,2-Dichloroethane-d4
Concen: 48.427 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

Tgt Ion: 65 Resp: 159336
Ion Ratio Lower Upper
65 100
67 55.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN074266.D

Acq: 02 Sep 2022 01:42

Instrument :

MSVOA_N

ClientSampleId :

MW-39

Tgt Ion:114 Resp: 403588

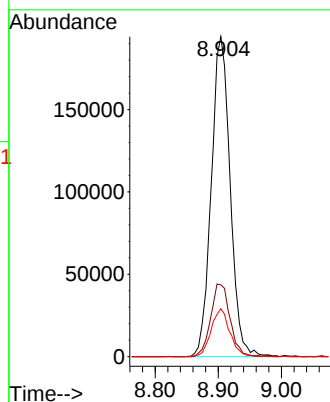
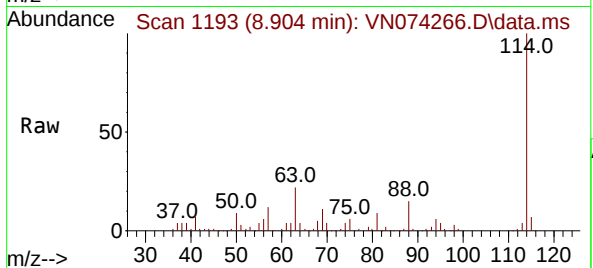
Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	40.0
88	15.0	0.0	32.6

Manual Integrations

APPROVED

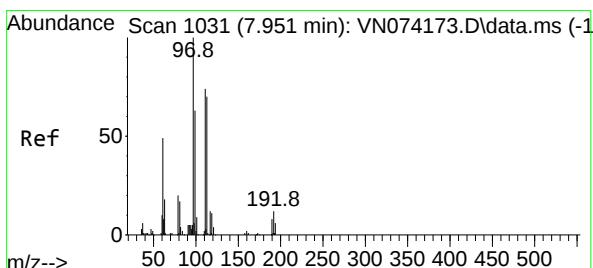
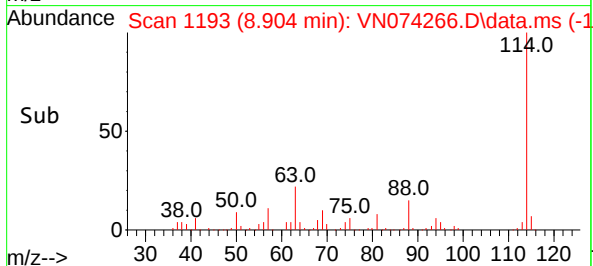
Reviewed By :John Carlone 09/02/2022

Supervised By :Mahesh Dadoda 09/02/2022



09/02/2022
Supervised By :Mahesh
Dadoda

09/02/2022



#35

Dibromofluoromethane

Concen: 48.259 ug/l

RT: 7.951 min Scan# 1031

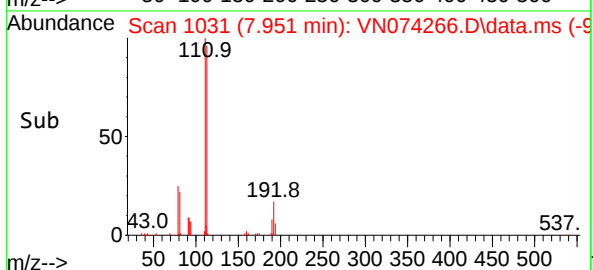
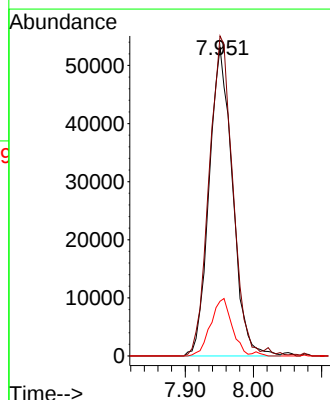
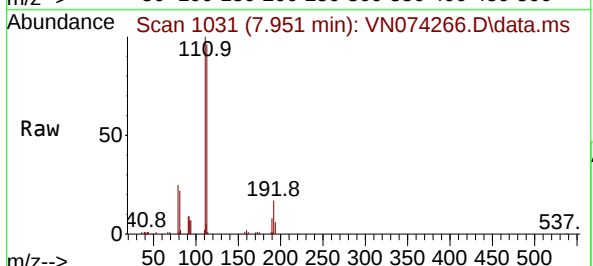
Delta R.T. -0.000 min

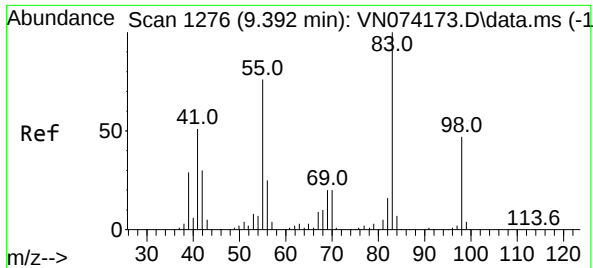
Lab File: VN074266.D

Acq: 02 Sep 2022 01:42

Tgt Ion:113 Resp: 126738

Ion	Ratio	Lower	Upper
113	100		
111	105.6	81.4	122.0
192	17.1	17.0	25.6





#39

Methylcyclohexane

Concen: 25.452 ug/l

RT: 9.398 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN074266.D

Acq: 02 Sep 2022 01:42

Instrument :

MSVOA_N

ClientSampleId :

MW-39

Tgt Ion: 83 Resp: 12731

Ion Ratio Lower Upper

83 100

55 84.2 57.8 86.8

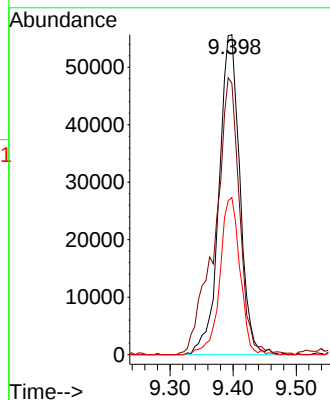
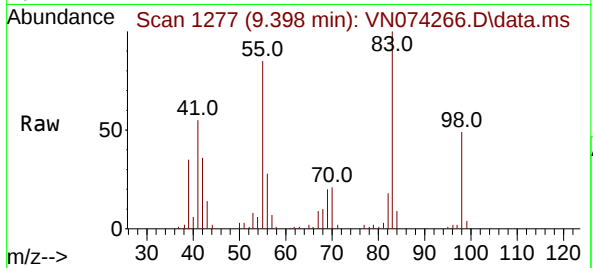
98 49.1 39.4 59.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/02/2022

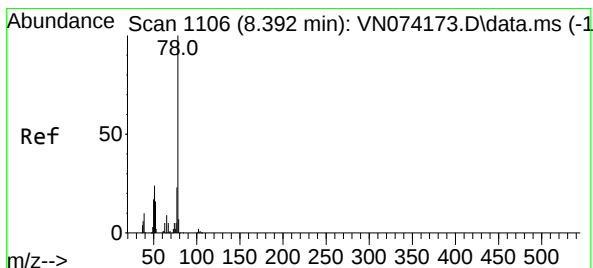
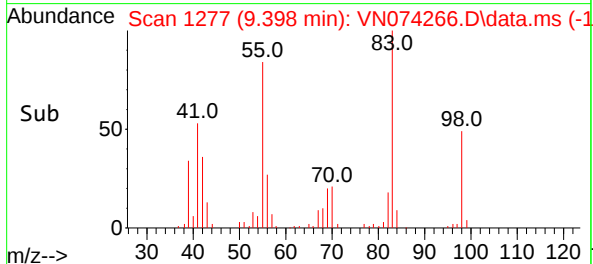
Supervised By :Mahesh Dadoda 09/02/2022



09/02/2022

Supervised By :Mahesh
Dadoda

09/02/2022



#40

Benzene

Concen: 439.843 ug/l

RT: 8.392 min Scan# 1106

Delta R.T. -0.000 min

Lab File: VN074266.D

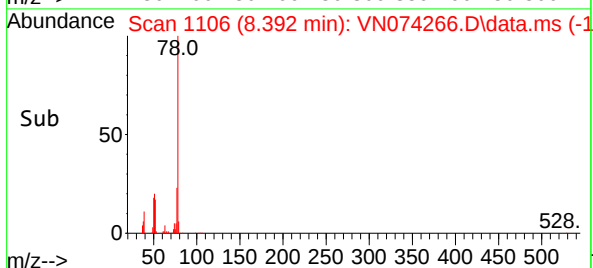
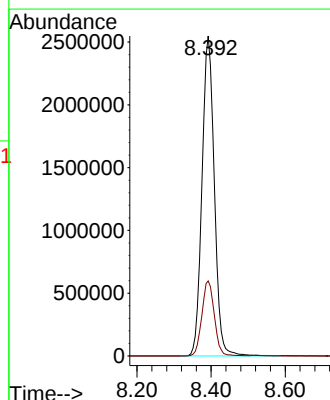
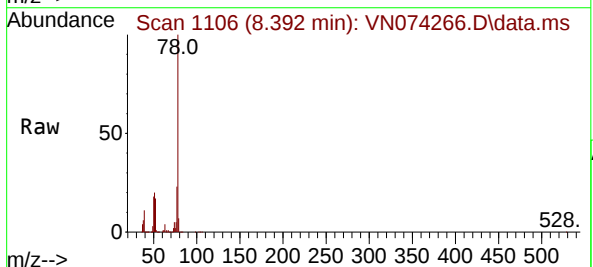
Acq: 02 Sep 2022 01:42

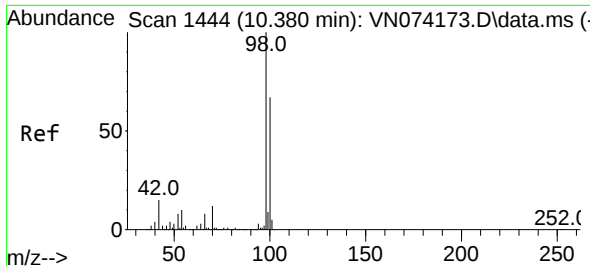
Tgt Ion: 78 Resp: 5884884

Ion Ratio Lower Upper

78 100

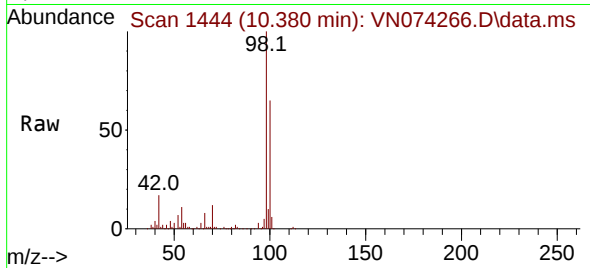
77 23.4 19.4 29.0





#50
Toluene-d8
Concen: 48.044 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

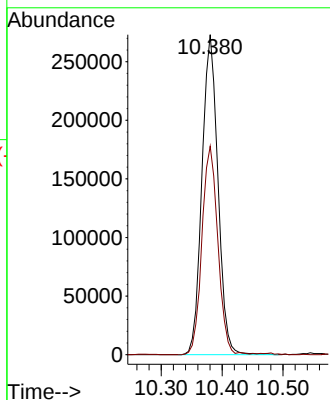
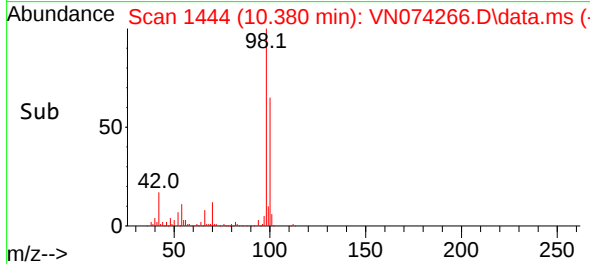
Instrument :
MSVOA_N
ClientSampleId :
MW-39



Tgt Ion: 98 Resp: 49689
Ion Ratio Lower Upper
98 100
100 64.9 52.6 78.8

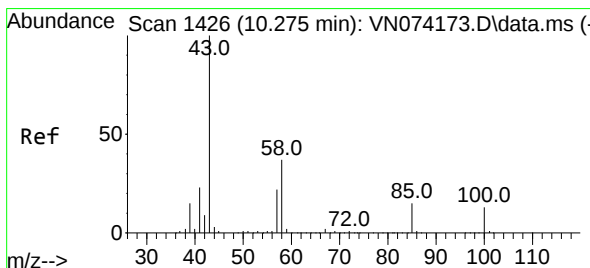
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022

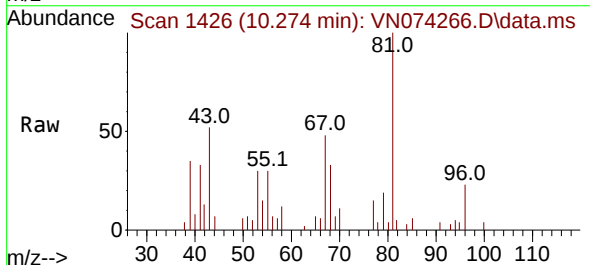


09/02/2022
Supervised By :Mahesh
Dadoda

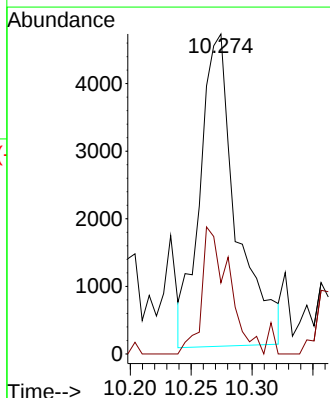
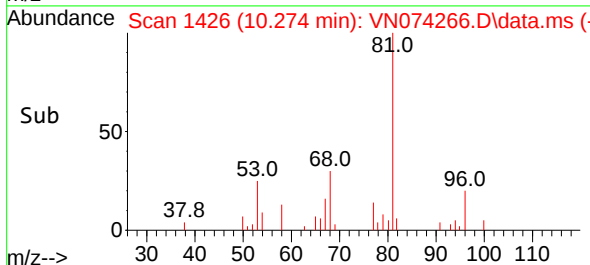
09/02/2022

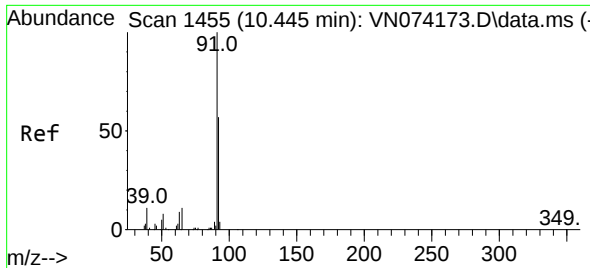


#51
4-Methyl-2-Pentanone
Concen: 1.385 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. -0.000 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42



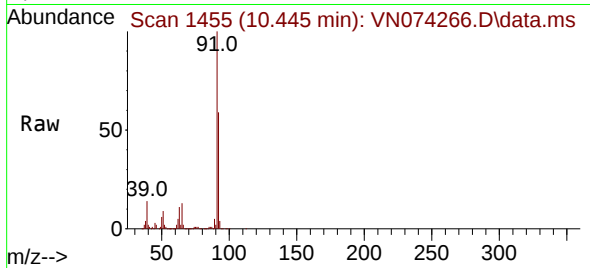
Tgt Ion: 43 Resp: 9626
Ion Ratio Lower Upper
43 100
58 30.6 34.1 51.1#





#52
Toluene
Concen: 996.965 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

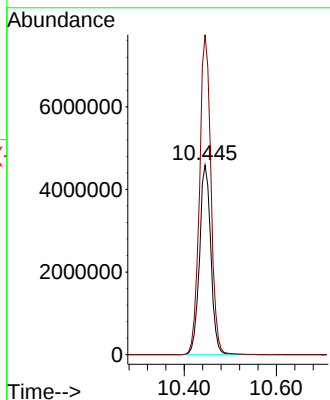
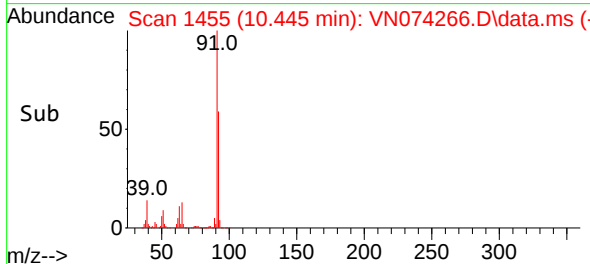
Instrument :
MSVOA_N
ClientSampleId :
MW-39



Tgt Ion: 92 Resp: 786228
Ion Ratio Lower Upper
92 100
91 170.5 138.6 207.8

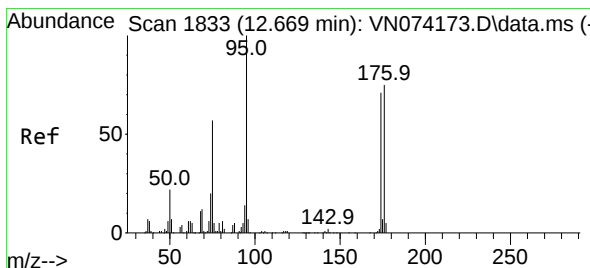
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



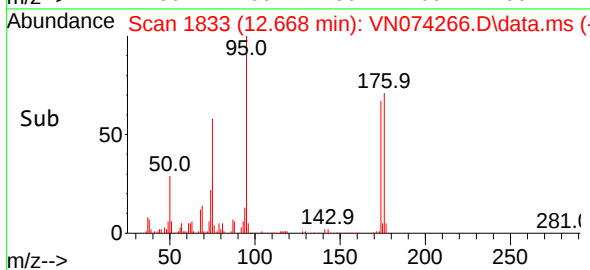
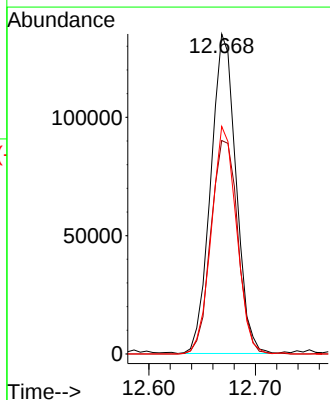
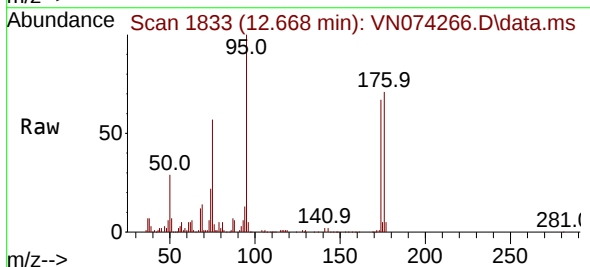
09/02/2022
Supervised By :Mahesh
Dadoda

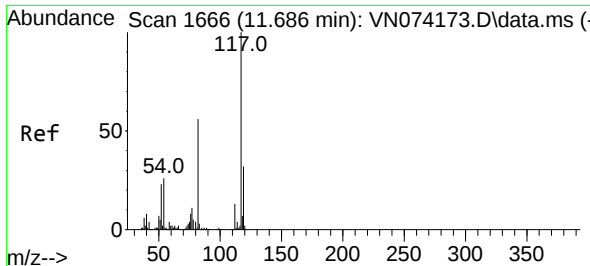
09/02/2022



#62
4-Bromofluorobenzene
Concen: 70.768 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

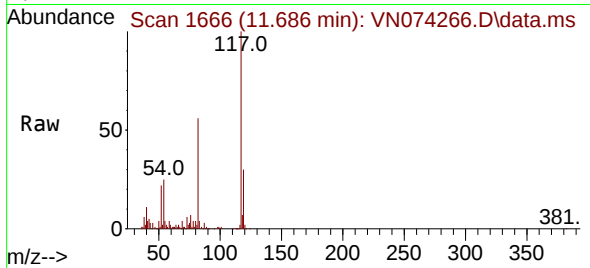
Tgt Ion: 95 Resp: 222579
Ion Ratio Lower Upper
95 100
174 71.1 0.0 167.6
176 70.7 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

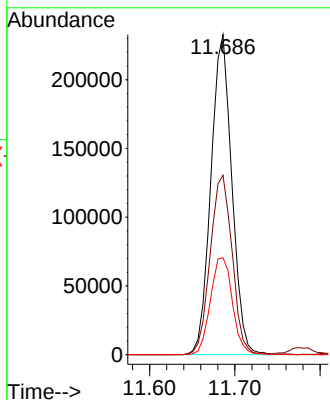
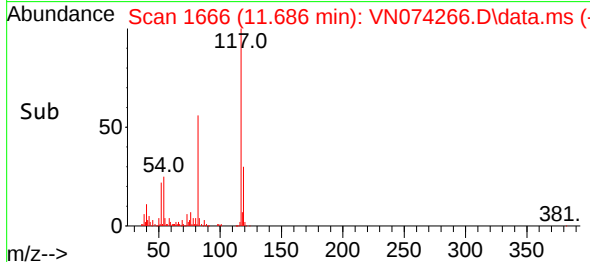
Instrument :
MSVOA_N
ClientSampleId :
MW-39



Tgt Ion:117 Resp: 396990
Ion Ratio Lower Upper
117 100
82 56.0 44.2 66.2
119 30.3 25.4 38.0

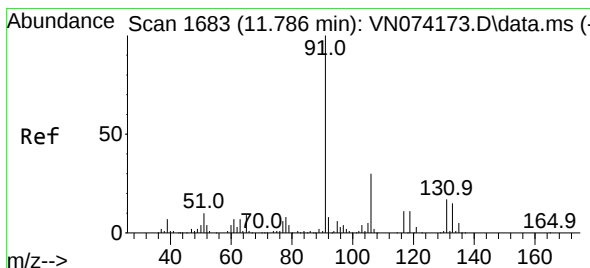
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



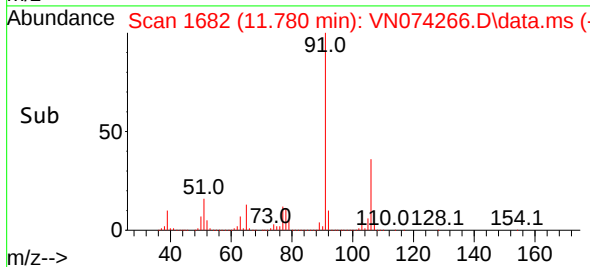
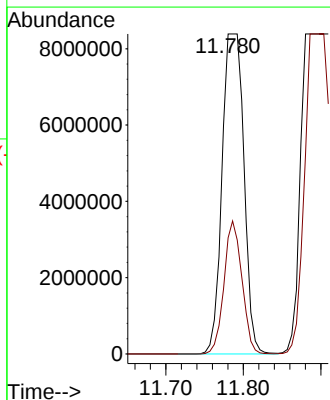
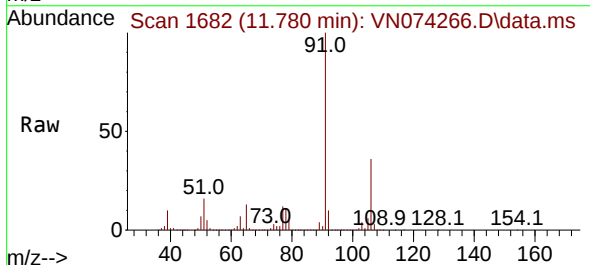
09/02/2022
Supervised By :Mahesh
Dadoda

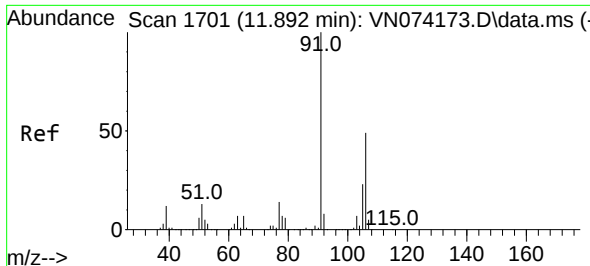
09/02/2022



#67
Ethyl Benzene
Concen: 1026.633 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

Tgt Ion: 91 Resp:16458287
Ion Ratio Lower Upper
91 100
106 36.3 24.9 37.3





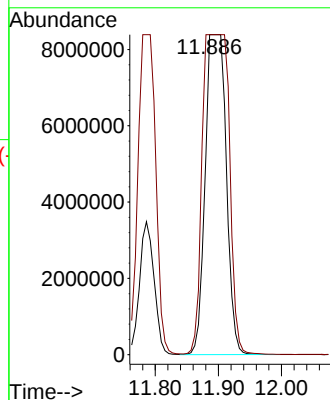
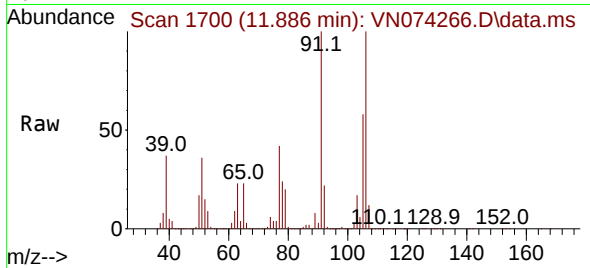
#68
m/p-Xylenes
Concen: 3246.361 ug/l
RT: 11.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

Instrument :
MSVOA_N
ClientSampleId :
MW-39

Tgt Ion:106 Resp:1933345
Ion Ratio Lower Upper
106 100
91 0.0 158.9 238.3

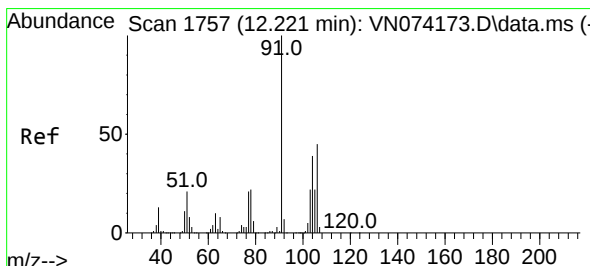
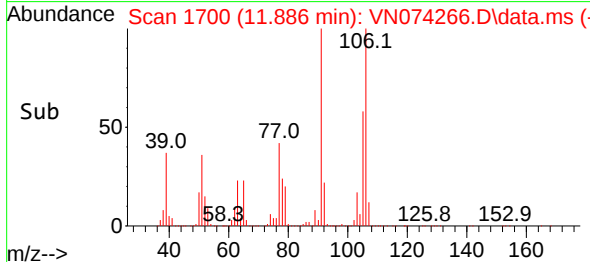
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



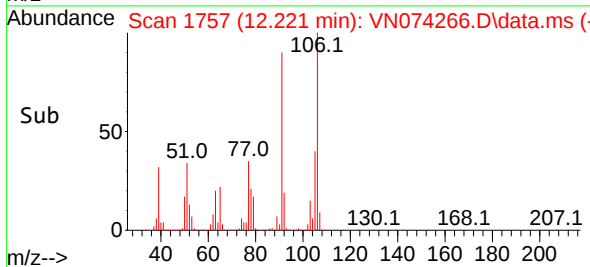
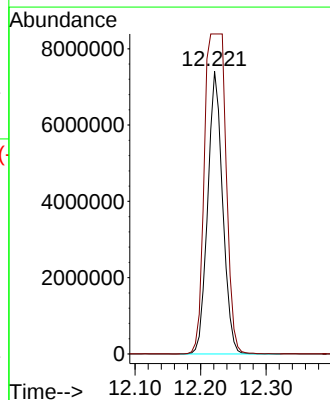
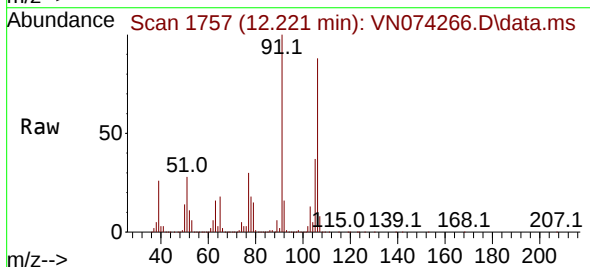
09/02/2022
Supervised By :Mahesh
Dadoda

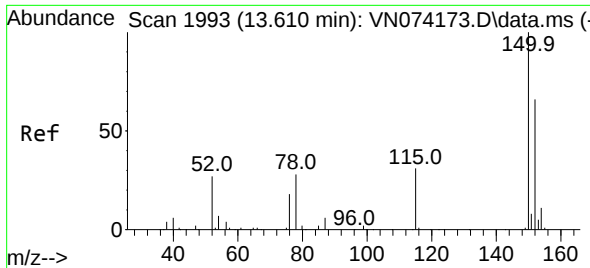
09/02/2022



#69
o-Xylene
Concen: 1978.522 ug/l
RT: 12.221 min Scan# 1757
Delta R.T. -0.000 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

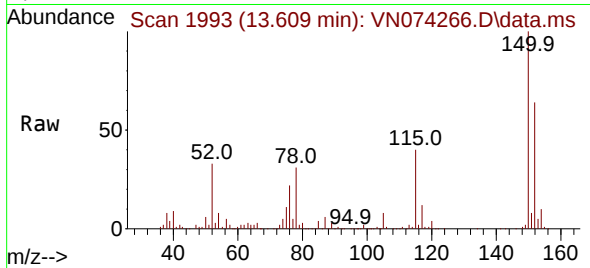
Tgt Ion:106 Resp:11740738
Ion Ratio Lower Upper
106 100
91 163.4 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.609 min Scan# 1993
Delta R.T. -0.001 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

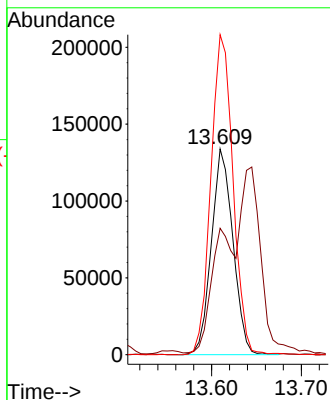
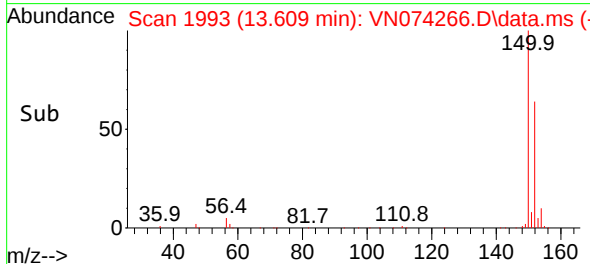
Instrument :
MSVOA_N
ClientSampleId :
MW-39



Tgt Ion:152 Resp: 22344
Ion Ratio Lower Upper
152 100
115 64.4 28.9 86.7
150 160.0 0.0 356.2

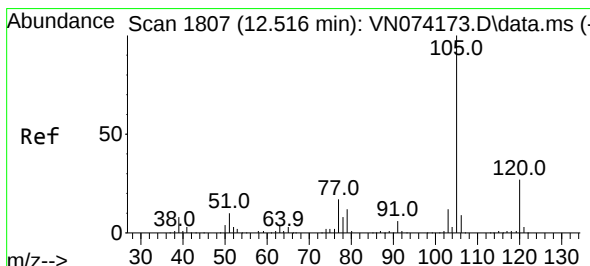
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022

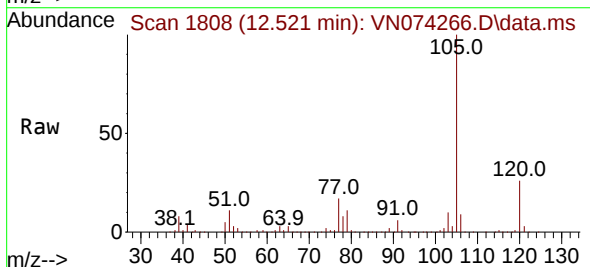


09/02/2022
Supervised By :Mahesh
Dadoda

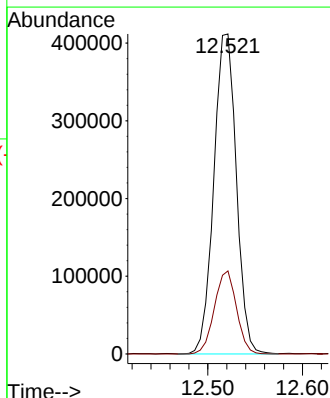
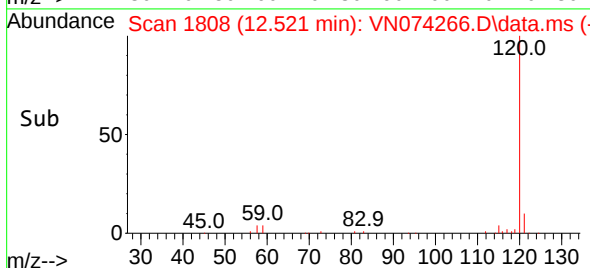
09/02/2022

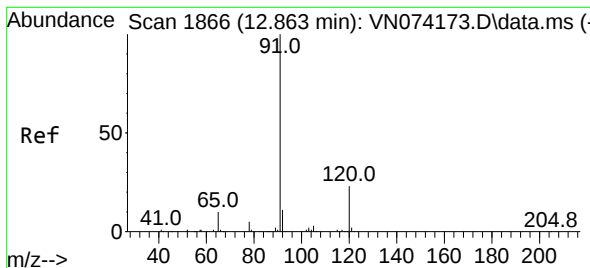


#73
Isopropylbenzene
Concen: 35.643 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. 0.006 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42



Tgt Ion:105 Resp: 682050
Ion Ratio Lower Upper
105 100
120 25.4 13.5 40.4





#78

n-propylbenzene

Concen: 109.599 ug/l

RT: 12.857 min Scan# 1865

Delta R.T. -0.006 min

Lab File: VN074266.D

Acq: 02 Sep 2022 01:42

Instrument :

MSVOA_N

ClientSampleId :

MW-39

Tgt Ion: 91 Resp: 239060

Ion Ratio Lower Upper

91 100

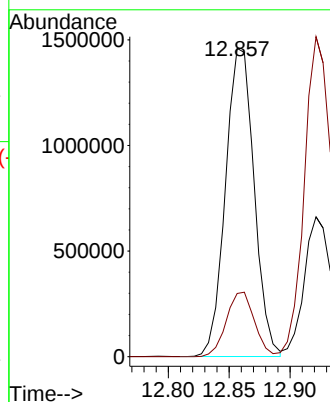
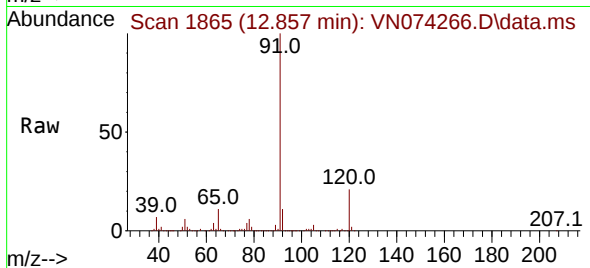
120 20.5 11.9 35.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/02/2022

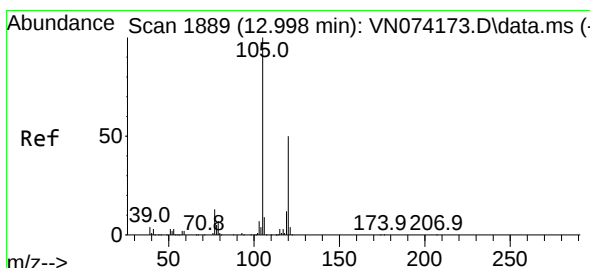
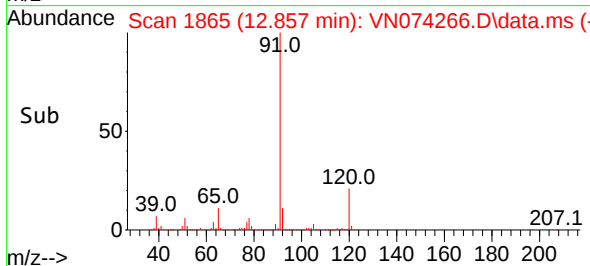
Supervised By :Mahesh Dadoda 09/02/2022



09/02/2022

Supervised By :Mahesh
Dadoda

09/02/2022



#80

1,3,5-Trimethylbenzene

Concen: 198.382 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VN074266.D

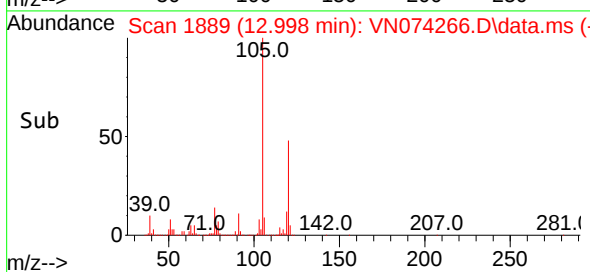
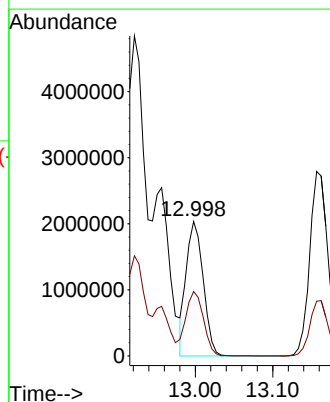
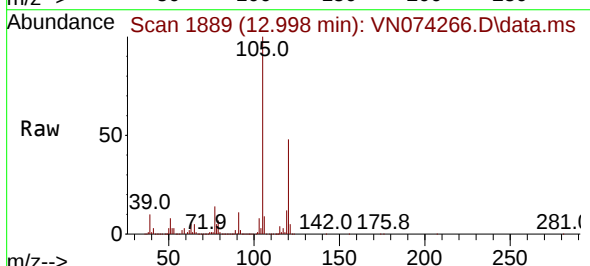
Acq: 02 Sep 2022 01:42

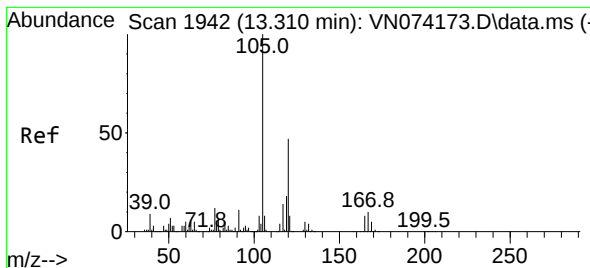
Tgt Ion:105 Resp: 3087331

Ion Ratio Lower Upper

105 100

120 51.3 24.9 74.7





#84

1,2,4-Trimethylbenzene

Concen: 875.185 ug/l

RT: 13.309 min Scan# 1942

Delta R.T. -0.000 min

Lab File: VN074266.D

Acq: 02 Sep 2022 01:42

Instrument :

MSVOA_N

ClientSampleId :

MW-39

Tgt Ion:105 Resp:1314496

Ion Ratio Lower Upper

105 100

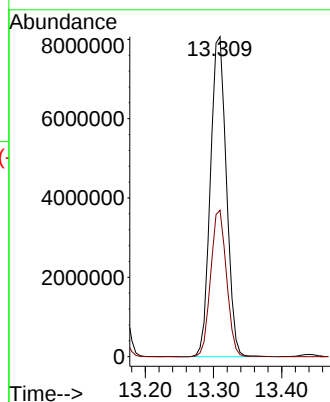
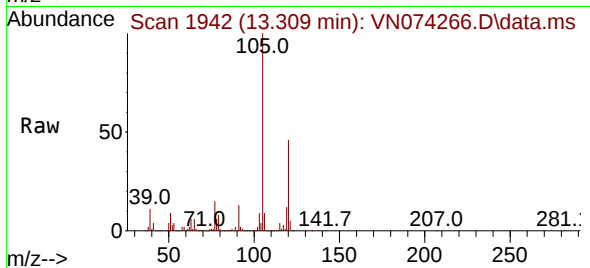
120 45.4 23.3 69.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/02/2022

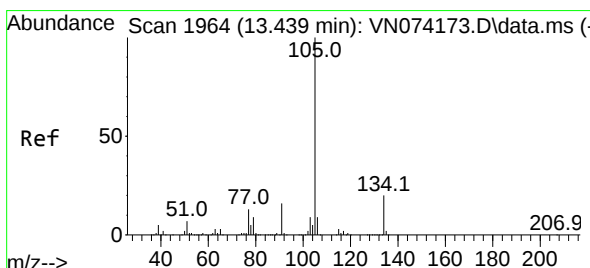
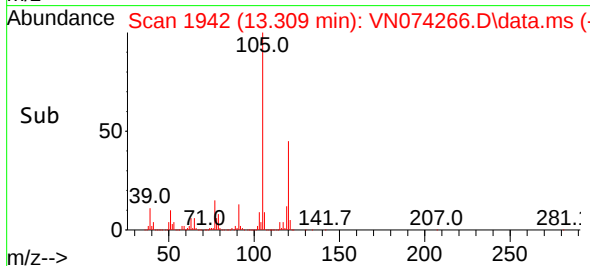
Supervised By :Mahesh Dadoda 09/02/2022



09/02/2022

Supervised By :Mahesh
Dadoda

09/02/2022



#85

sec-Butylbenzene

Concen: 5.233 ug/l m

RT: 13.439 min Scan# 1964

Delta R.T. -0.000 min

Lab File: VN074266.D

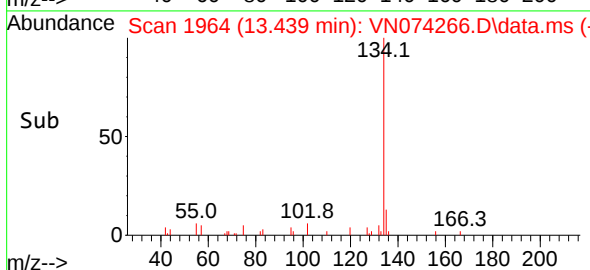
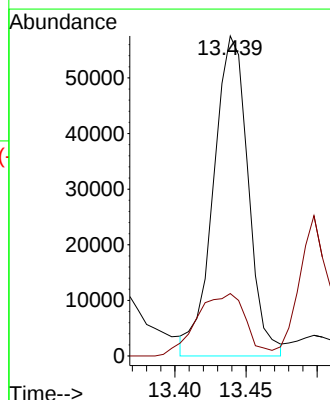
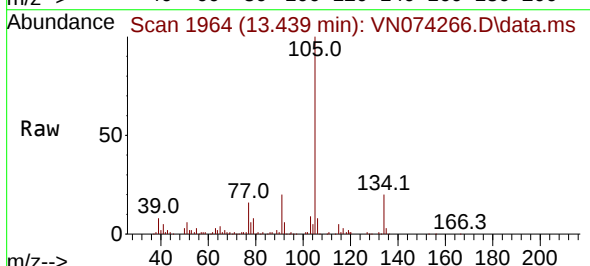
Acq: 02 Sep 2022 01:42

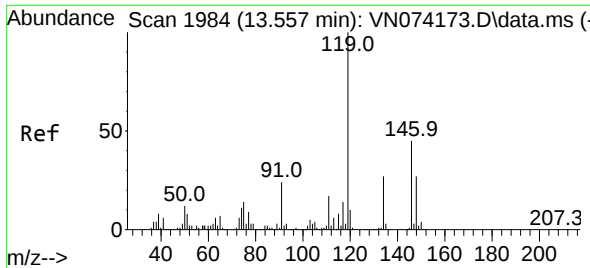
Tgt Ion:105 Resp: 97715

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#





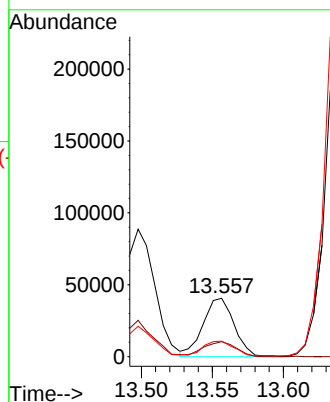
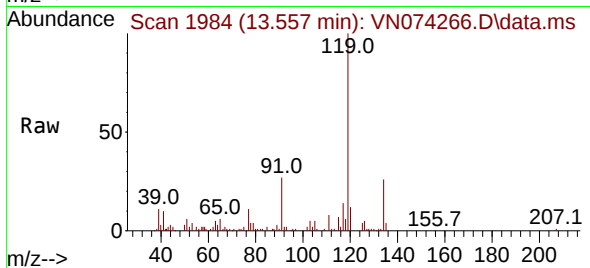
#86
p-Isopropyltoluene
Concen: 4.264 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. -0.000 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

Instrument : MSVOA_N
ClientSampleId : MW-39

Tgt Ion: 119 Resp: 61957
Ion Ratio Lower Upper
119 100
134 26.3 13.3 39.8
91 0.0 11.3 33.9

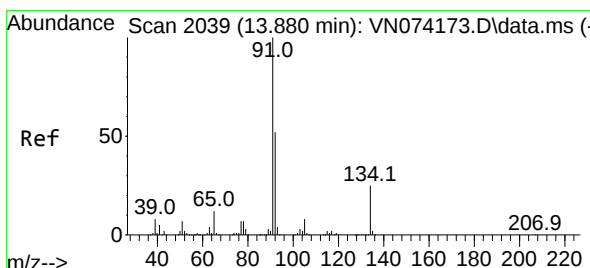
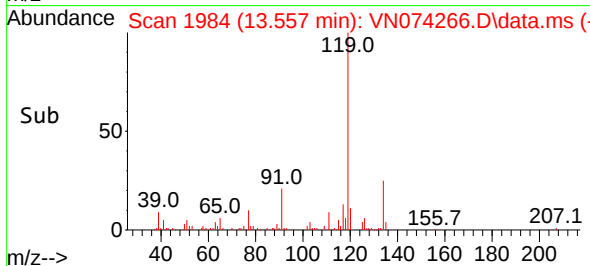
Manual Integrations
APPROVED

Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



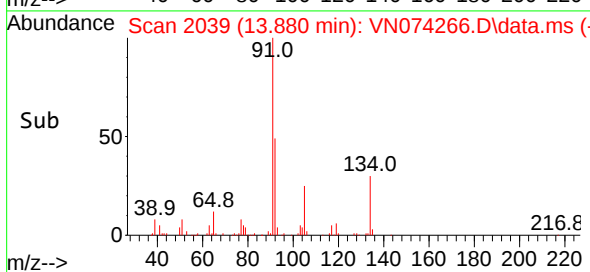
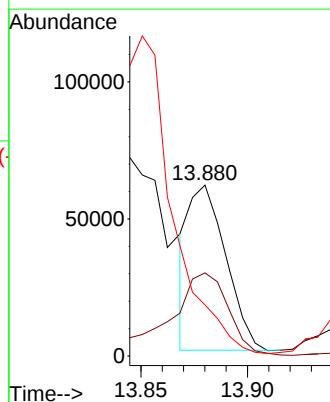
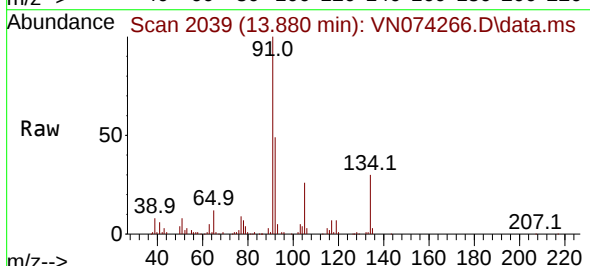
09/02/2022
Supervised By :Mahesh
Dadoda

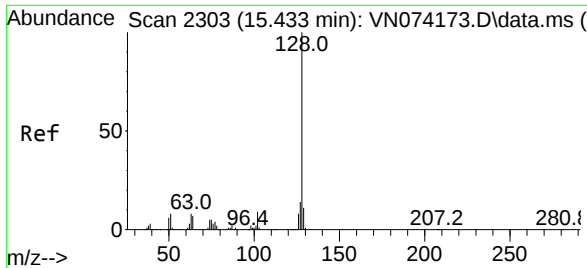
09/02/2022



#89
n-Butylbenzene
Concen: 5.725 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. -0.000 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

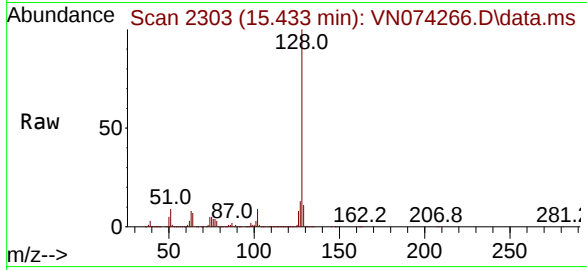
Tgt Ion: 91 Resp: 72447
Ion Ratio Lower Upper
91 100
92 75.2 26.9 80.7
134 0.0 13.6 40.8





#95
Naphthalene
Concen: 399.292 ug/l
RT: 15.433 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074266.D
Acq: 02 Sep 2022 01:42

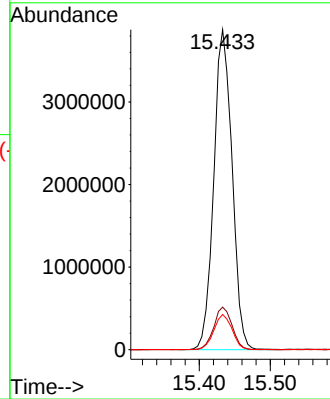
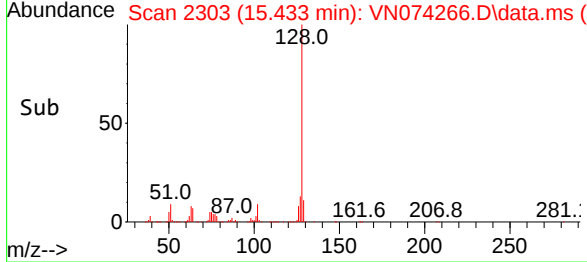
Instrument :
MSVOA_N
ClientSampleId :
MW-39



Tgt Ion:128 Resp: 690956
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 10.9 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



09/02/2022
Supervised By :Mahesh
Dadoda

09/02/2022