

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090122\
 Data File : VN074276.D
 Acq On : 02 Sep 2022 05:45
 Operator : JC\MD
 Sample : N4354-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27

Quant Time: Sep 02 08:40:19 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

Manual Integrations APPROVED

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

Supervised By :Mahesh
 Dadoda
 09/02/2022

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	187499	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	362125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	339307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	181663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	147888	50.846	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.700%			
35) Dibromofluoromethane	7.957	113	112603	47.786	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.580%			
50) Toluene-d8	10.380	98	433013	46.661	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.320%			
62) 4-Bromofluorobenzene	12.669	95	175169	62.071	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 124.140%#			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.281	59	335141	521.267	ug/l	99
16) Acetone	4.228	43	40135	20.650	ug/l	91
19) Methyl tert-butyl Ether	5.528	73	297547	36.592	ug/l	92
22) Diisopropyl ether	6.404	45	44884	4.494	ug/l #	85
25) 2-Butanone	7.263	43	28480	9.160	ug/l #	80
31) Cyclohexane	8.028	56	13783	2.868	ug/l #	84
39) Methylcyclohexane	9.386	83	1608	0.358	ug/l #	72
40) Benzene	8.392	78	6103725	508.434	ug/l	99
51) 4-Methyl-2-Pentanone	10.269	43	21923	3.514	ug/l	90
52) Toluene	10.445	92	196056	27.707	ug/l	99
67) Ethyl Benzene	11.780	91	2402632	175.350	ug/l	100
68) m/p-Xylenes	11.892	106	1100114	216.128	ug/l	97
69) o-Xylene	12.222	106	705864	139.172	ug/l	99
73) Isopropylbenzene	12.516	105	115842	7.446	ug/l	97
78) n-propylbenzene	12.857	91	287383	16.205	ug/l	95
80) 1,3,5-Trimethylbenzene	12.998	105	174013	13.753	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	1266351	103.703	ug/l	98
85) sec-Butylbenzene	13.439	105	13143m	0.866	ug/l	
86) p-Isopropyltoluene	13.551	119	6325	0.535	ug/l #	76
89) n-Butylbenzene	13.880	91	9361	0.910	ug/l #	76
95) Naphthalene	15.433	128	793450	57.386	ug/l	99

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

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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 51 Sample Multiplier: 1

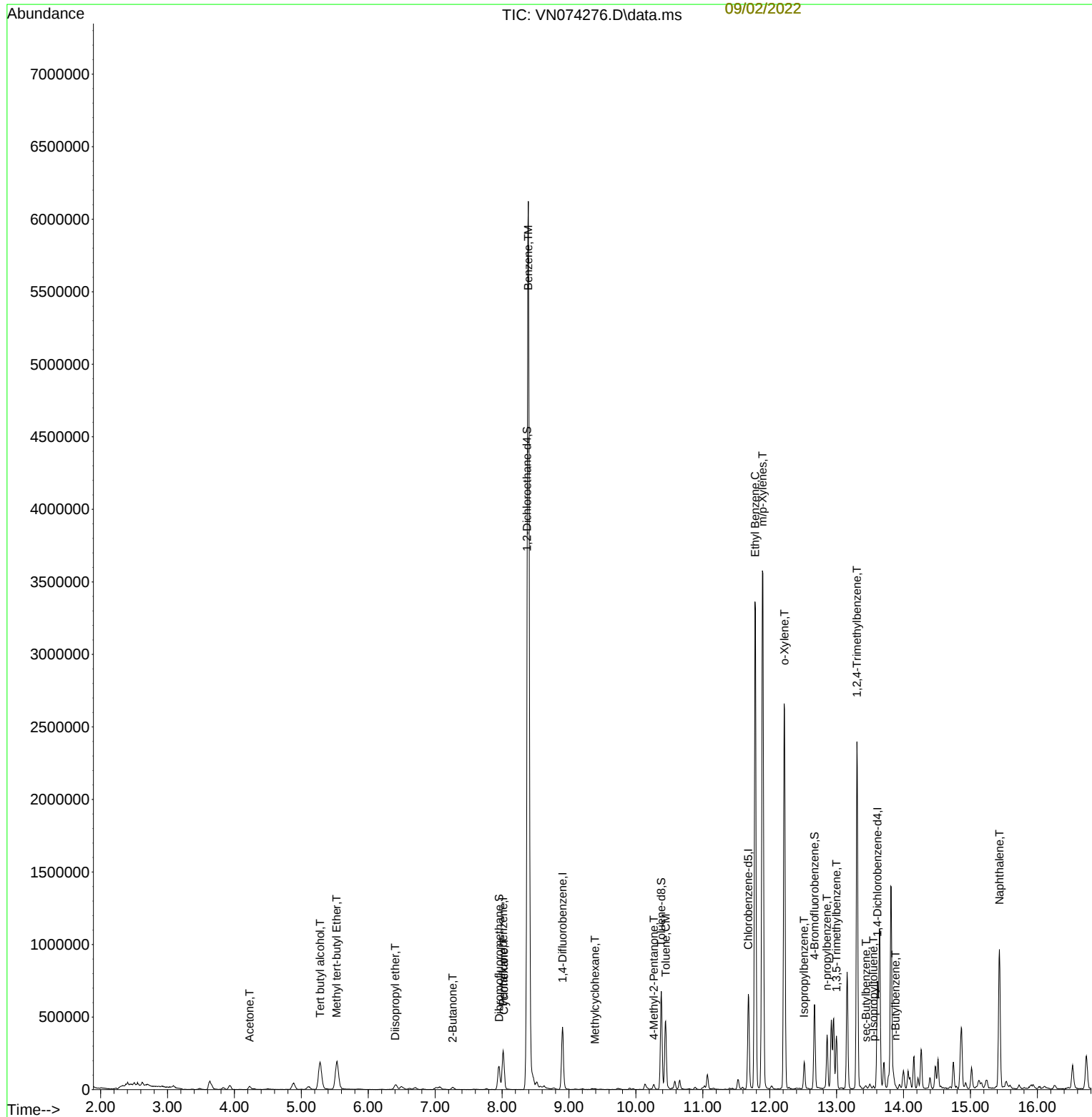
Instrument :
MSVOA_N
ClientSampleId :
MW-27

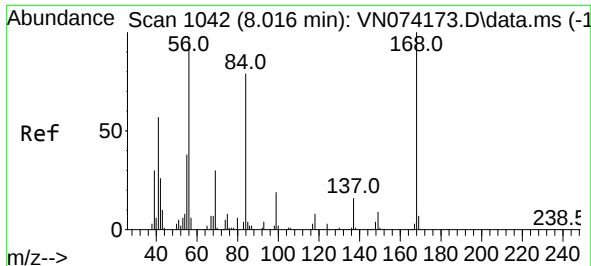
Quant Time: Sep 02 08:40:19 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
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QLast Update : Wed Aug 31 07:02:40 2022
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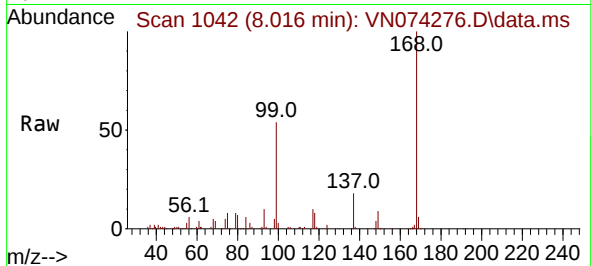
Supervised By :Mahesh
Dadoda
09/02/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

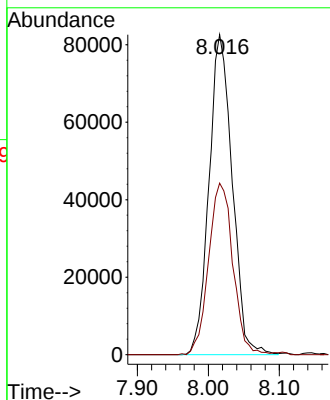
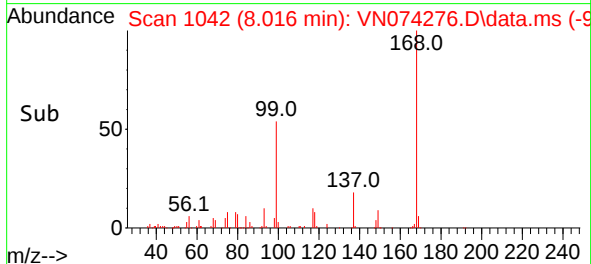
Instrument :
MSVOA_N
ClientSampleId :
MW-27



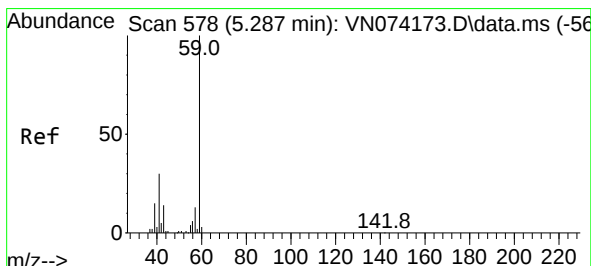
Tgt Ion:168 Resp: 187499
Ion Ratio Lower Upper
168 100
99 53.6 42.3 63.5

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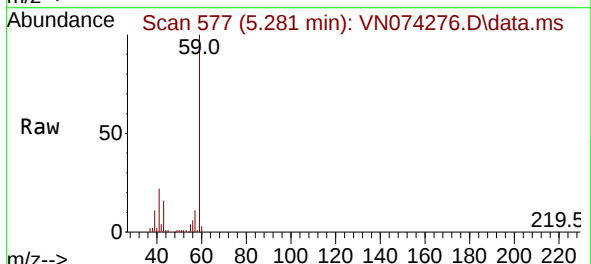
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



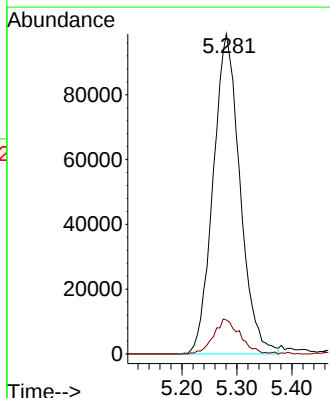
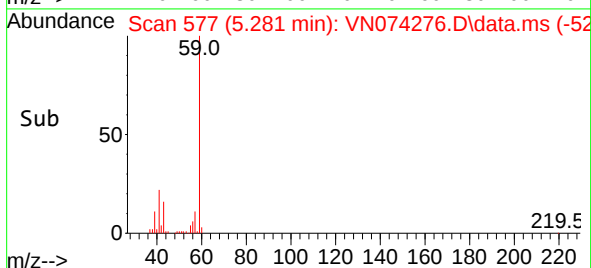
Supervised By :Mahesh
Dadoda
09/02/2022

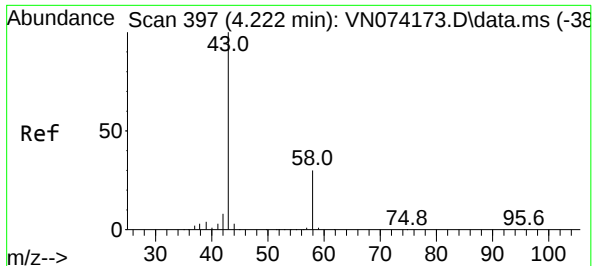


#11
Tert butyl alcohol
Concen: 521.267 ug/l
RT: 5.281 min Scan# 577
Delta R.T. -0.006 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45



Tgt Ion: 59 Resp: 335141
Ion Ratio Lower Upper
59 100
57 10.8 8.3 12.5





#16
Acetone
Concen: 20.650 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

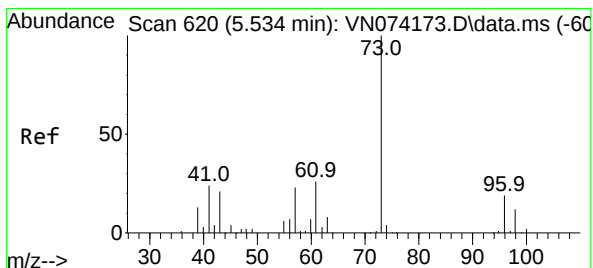
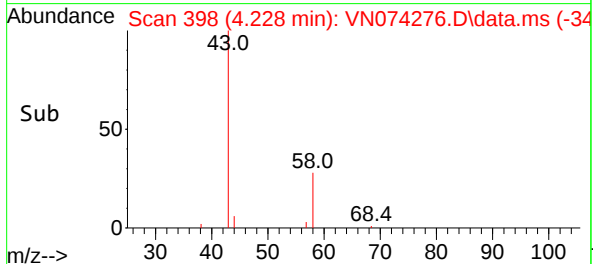
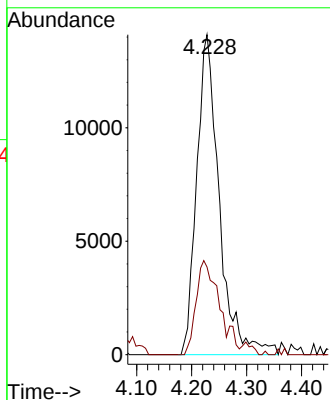
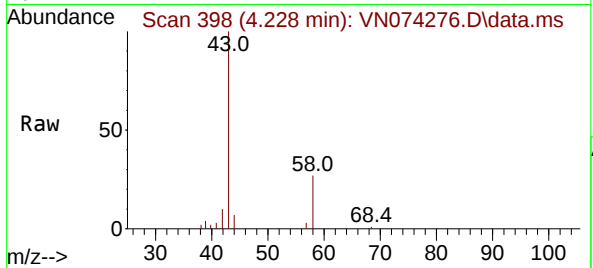
Instrument :
MSVOA_N
ClientSampleId :
MW-27

Tgt Ion: 43 Resp: 40135
Ion Ratio Lower Upper
43 100
58 27.4 26.0 39.0

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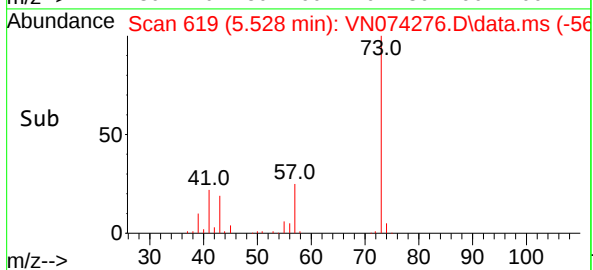
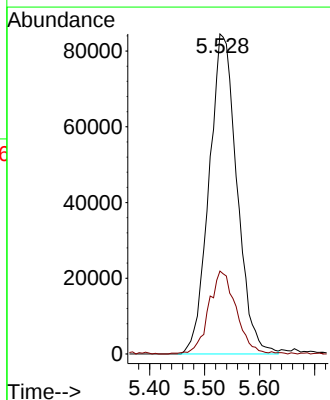
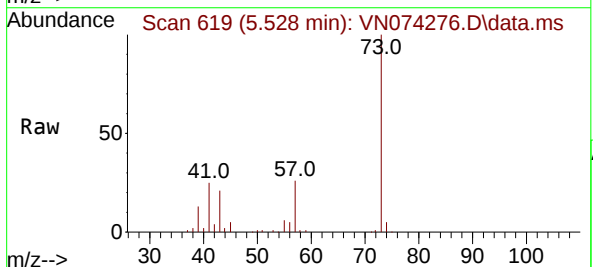
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022

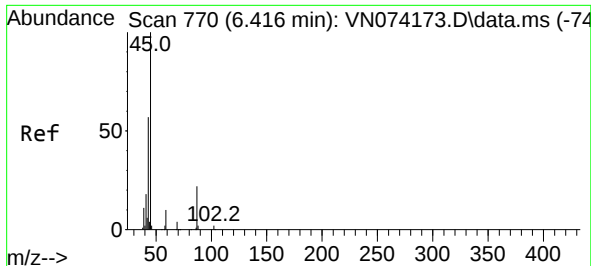
Supervised By :Mahesh
Dadoda
09/02/2022



#19
Methyl tert-butyl Ether
Concen: 36.592 ug/l
RT: 5.528 min Scan# 619
Delta R.T. -0.006 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

Tgt Ion: 73 Resp: 297547
Ion Ratio Lower Upper
73 100
57 25.6 17.6 26.4





#22

Diisopropyl ether

Concen: 4.494 ug/l

RT: 6.404 min Scan# 71

Delta R.T. -0.012 min

Lab File: VN074276.D

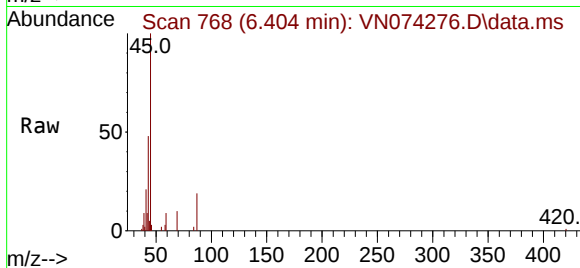
Acq: 02 Sep 2022 05:45

Instrument :

MSVOA_N

ClientSampleId :

MW-27



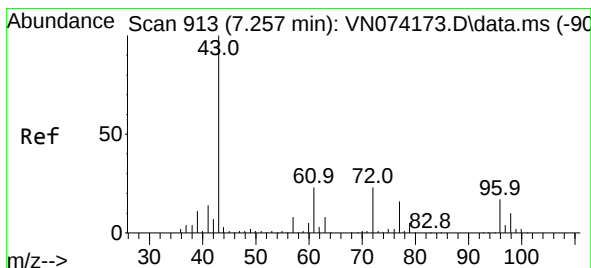
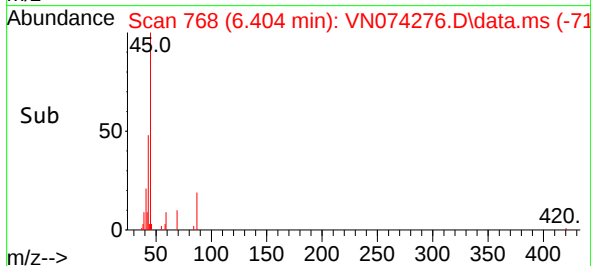
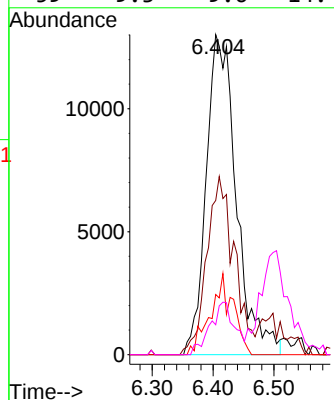
Tgt Ion	Ratio	Lower	Upper
45	100		
43	48.2	46.6	70.0
87	18.8	24.3	36.5
59	9.3	9.6	14.4

Manual Integrations
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Supervised By :Mahesh Dadoda 09/02/2022

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Dadoda
09/02/2022



#25

2-Butanone

Concen: 9.160 ug/l

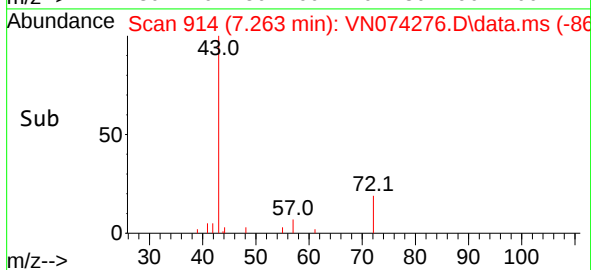
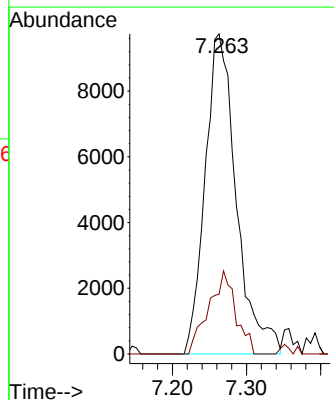
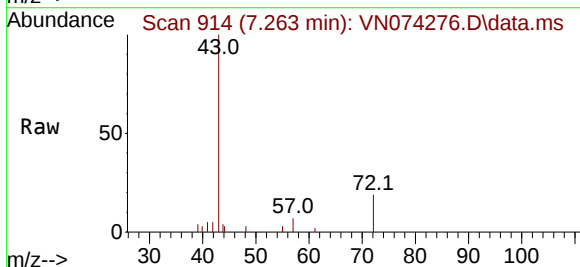
RT: 7.263 min Scan# 914

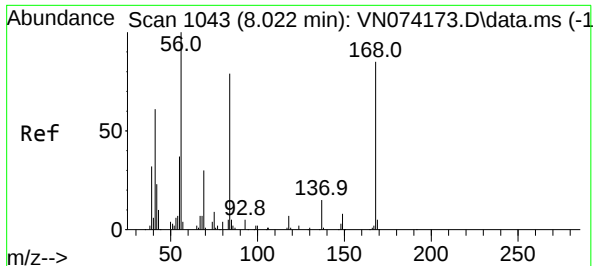
Delta R.T. 0.006 min

Lab File: VN074276.D

Acq: 02 Sep 2022 05:45

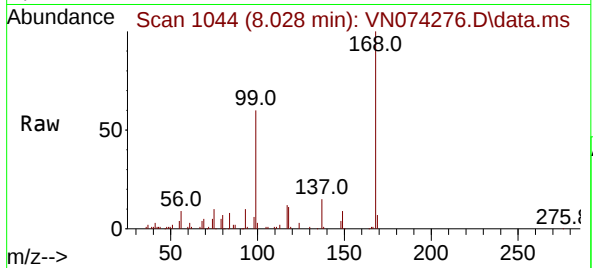
Tgt Ion	Ratio	Lower	Upper
43	100		
72	18.7	23.7	35.5





#31
Cyclohexane
Concen: 2.868 ug/l
RT: 8.028 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

Instrument :
MSVOA_N
ClientSampleId :
MW-27

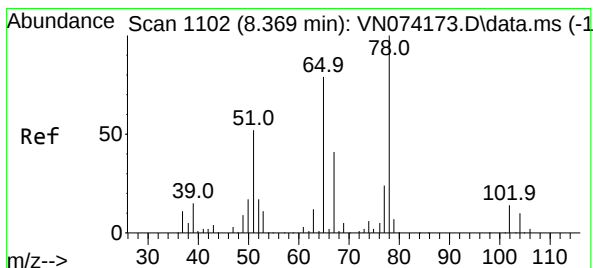
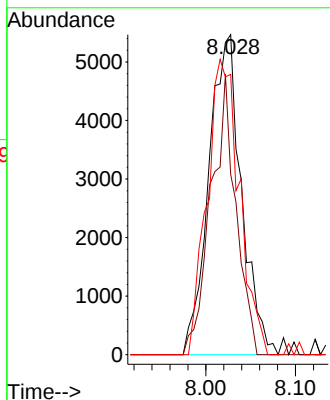
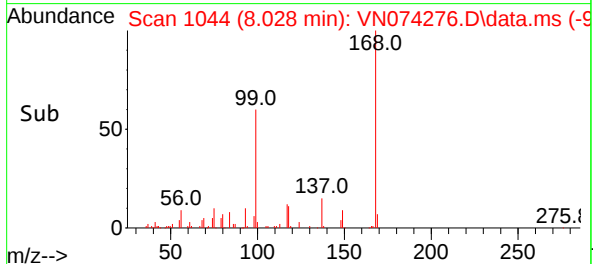


Tgt Ion: 56 Resp: 1378
Ion Ratio Lower Upper
56 100
69 56.3 27.8 41.8
84 87.6 76.9 115.3

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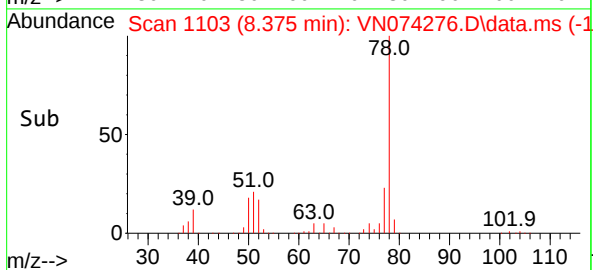
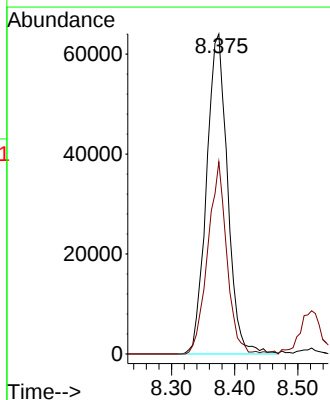
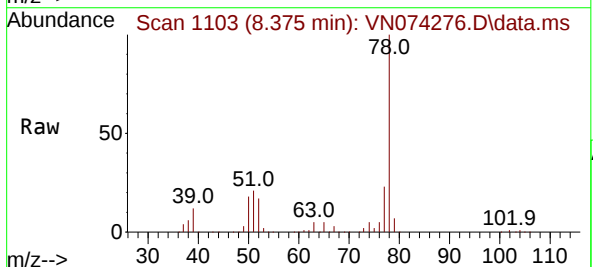
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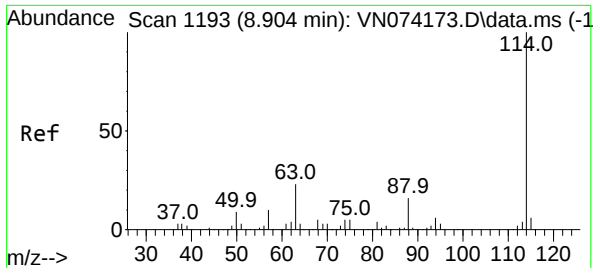
Supervised By :Mahesh
Dadoda
09/02/2022



#33
1,2-Dichloroethane-d4
Concen: 50.846 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

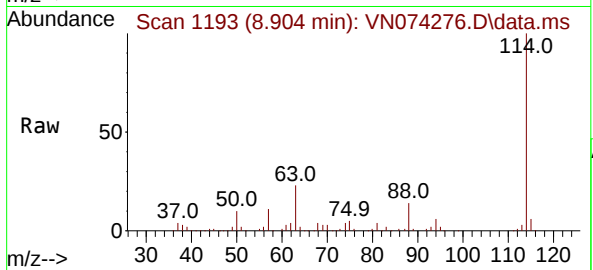
Tgt Ion: 65 Resp: 147888
Ion Ratio Lower Upper
65 100
67 54.2 0.0 104.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

Instrument :
MSVOA_N
ClientSampleId :
MW-27

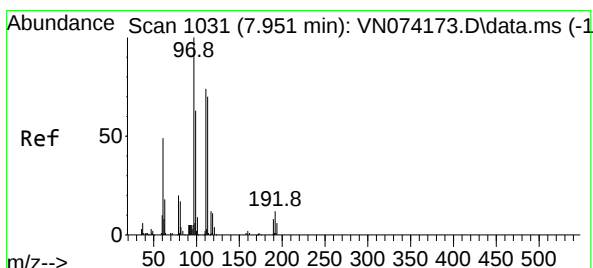
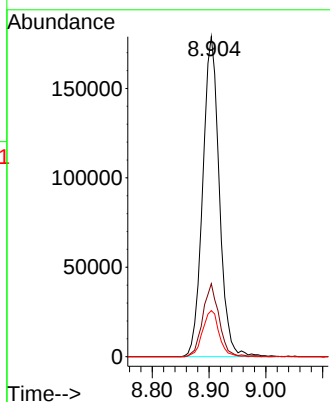
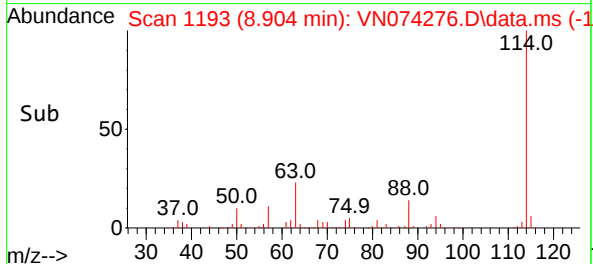


Tgt Ion:114 Resp: 362125
Ion Ratio Lower Upper
114 100
63 22.8 0.0 40.0
88 14.4 0.0 32.6

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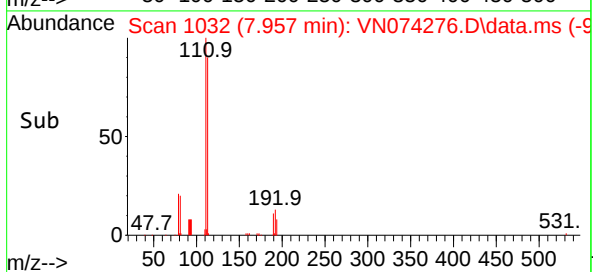
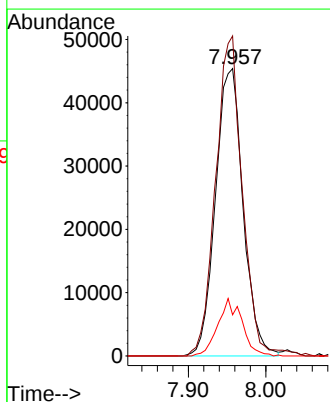
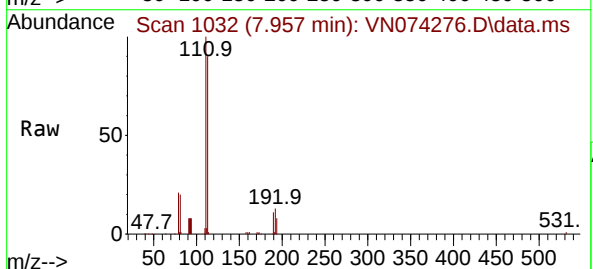
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022

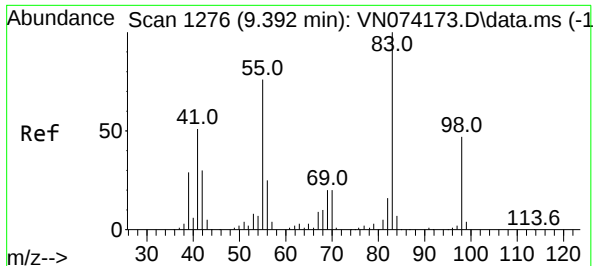
Supervised By :Mahesh
Dadoda
09/02/2022



#35
Dibromofluoromethane
Concen: 47.786 ug/l
RT: 7.957 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

Tgt Ion:113 Resp: 112603
Ion Ratio Lower Upper
113 100
111 107.7 81.4 122.0
192 17.5 17.0 25.6





#39

Methylcyclohexane

Concen: 0.358 ug/l

RT: 9.386 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN074276.D

Acq: 02 Sep 2022 05:45

Instrument :

MSVOA_N

ClientSampleId :

MW-27

Tgt Ion: 83 Resp: 1608

Ion	Ratio	Lower	Upper
83	100		
55	85.4	57.8	86.8
98	80.3	39.4	59.2

Manual Integrations

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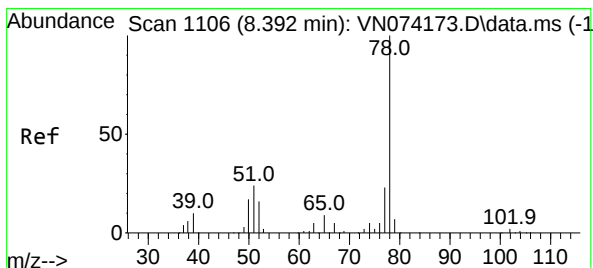
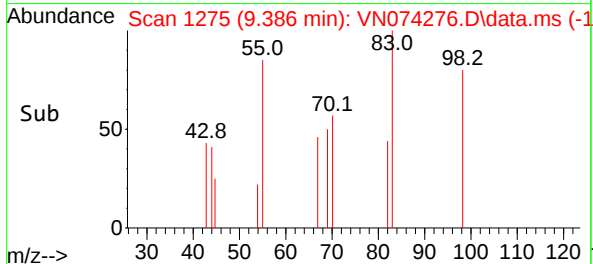
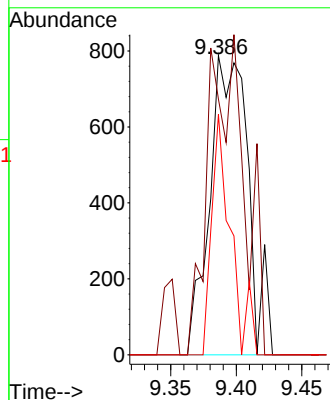
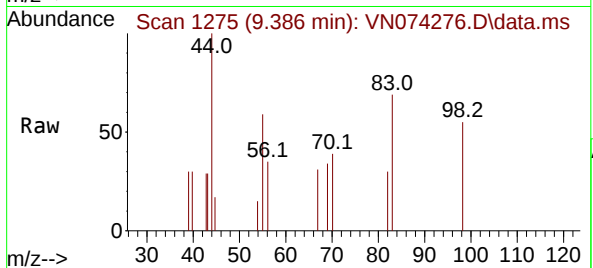
Reviewed By :John Carlone 09/02/2022

Supervised By :Mahesh Dadoda 09/02/2022

Supervised By :Mahesh

Dadoda

09/02/2022



#40

Benzene

Concen: 508.434 ug/l

RT: 8.392 min Scan# 1106

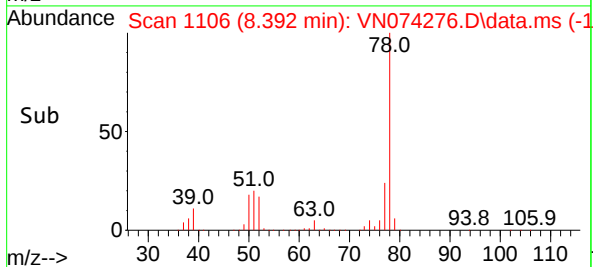
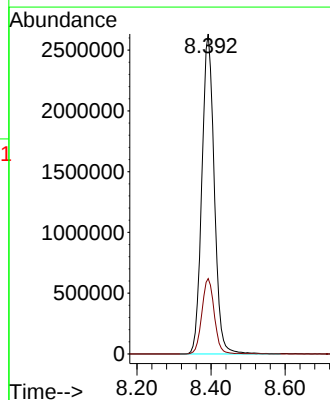
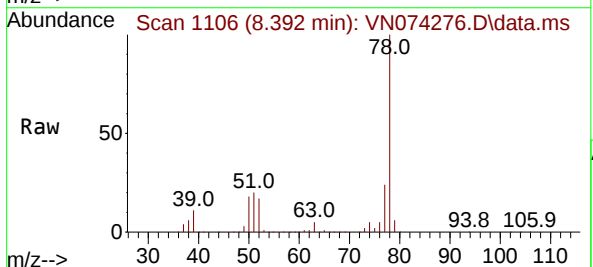
Delta R.T. 0.000 min

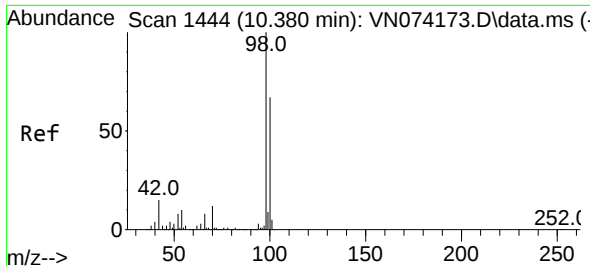
Lab File: VN074276.D

Acq: 02 Sep 2022 05:45

Tgt Ion: 78 Resp: 6103725

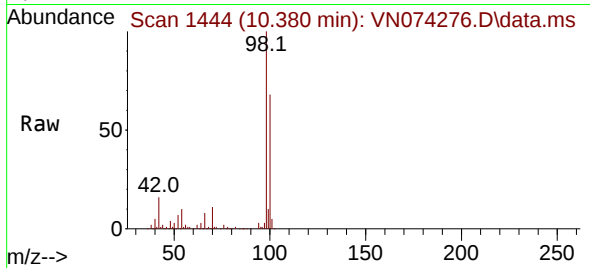
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.4	29.0





#50
Toluene-d8
Concen: 46.661 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

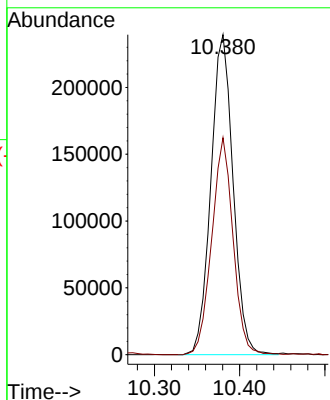
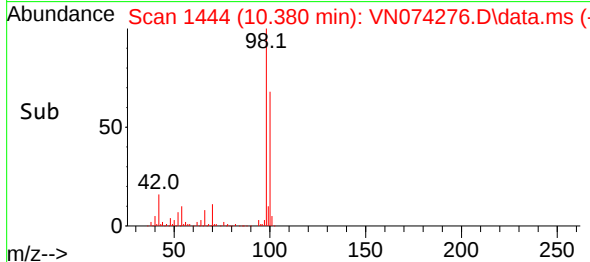
Instrument :
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MW-27



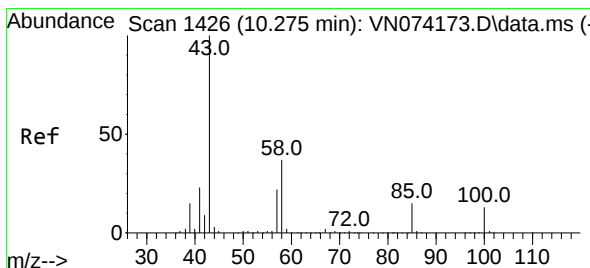
Tgt Ion: 98 Resp: 433011
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8

Manual Integrations
APPROVED

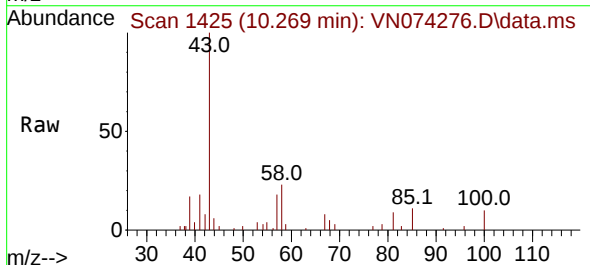
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



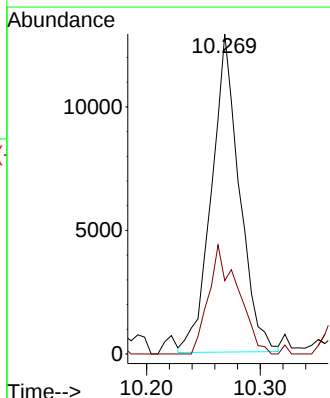
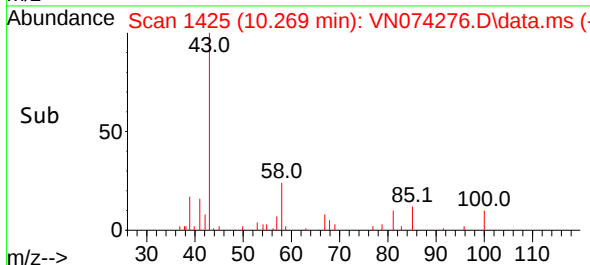
Supervised By :Mahesh
Dadoda
09/02/2022

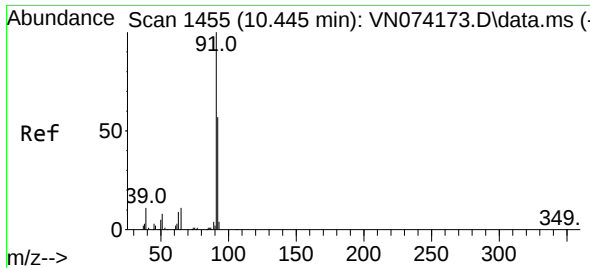


#51
4-Methyl-2-Pentanone
Concen: 3.514 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45



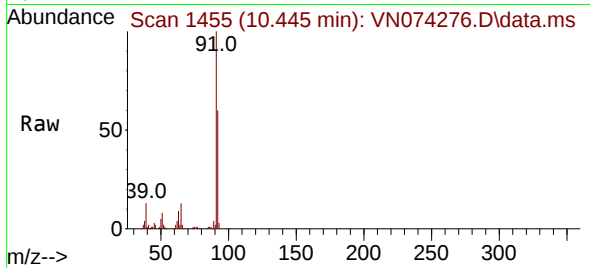
Tgt Ion: 43 Resp: 21923
Ion Ratio Lower Upper
43 100
58 36.0 34.1 51.1





#52
Toluene
Concen: 27.707 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

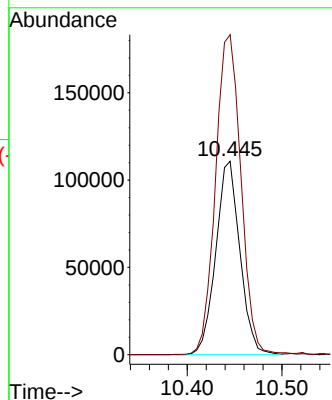
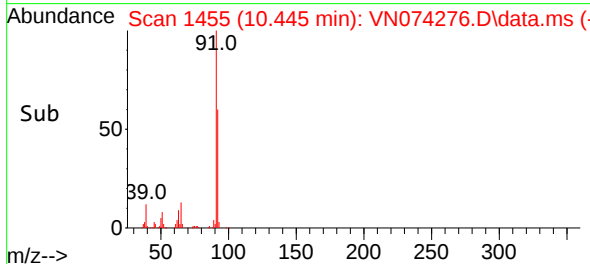
Instrument :
MSVOA_N
ClientSampleId :
MW-27



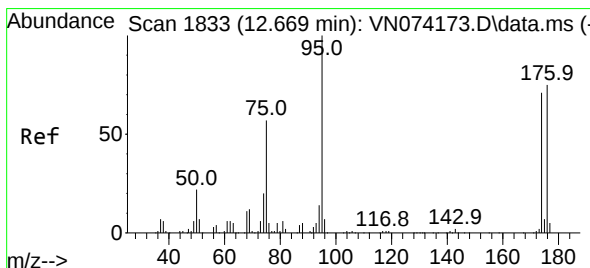
Tgt Ion: 92 Resp: 196050
Ion Ratio Lower Upper
92 100
91 175.1 138.6 207.8

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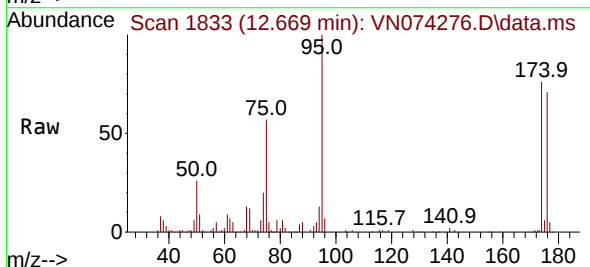
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



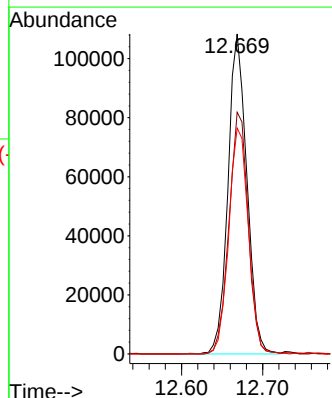
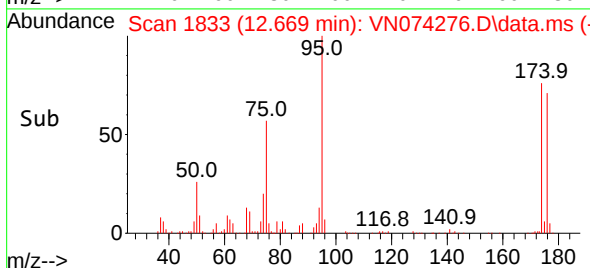
Supervised By :Mahesh
Dadoda
09/02/2022

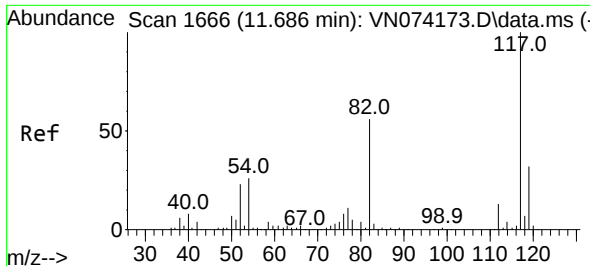


#62
4-Bromofluorobenzene
Concen: 62.071 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45



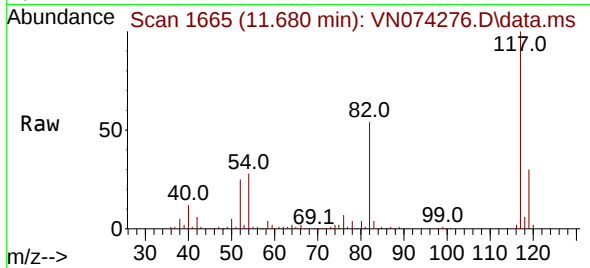
Tgt Ion: 95 Resp: 175169
Ion Ratio Lower Upper
95 100
174 76.7 0.0 167.6
176 73.4 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. -0.006 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

Instrument :
MSVOA_N
ClientSampleId :
MW-27

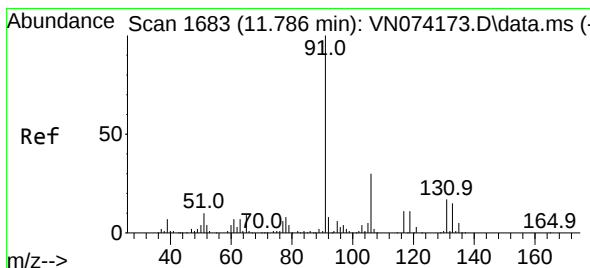
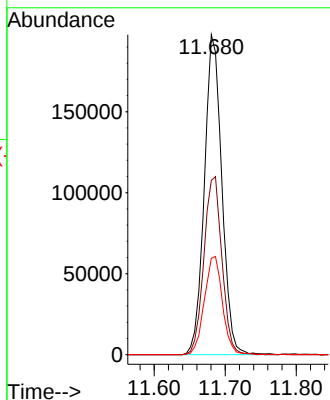
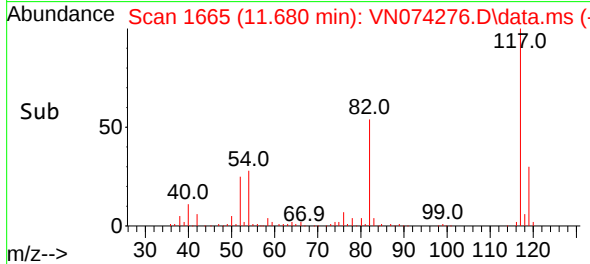


Tgt Ion: 117 Resp: 339307
Ion Ratio Lower Upper
117 100
82 54.4 44.2 66.2
119 30.1 25.4 38.0

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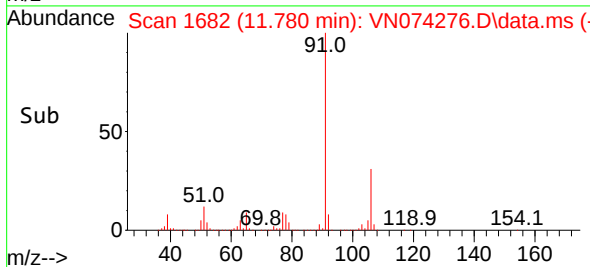
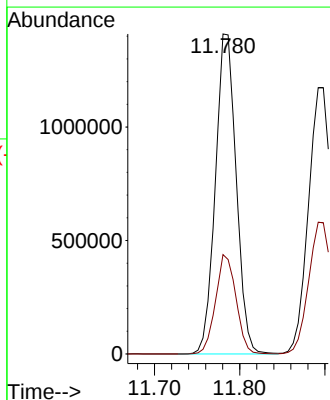
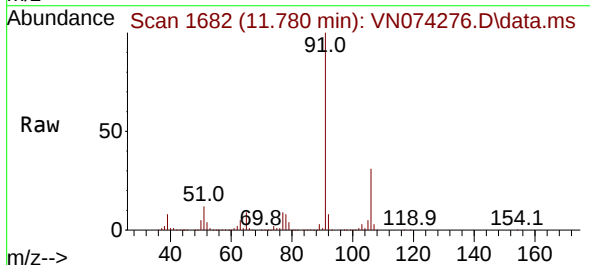
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022

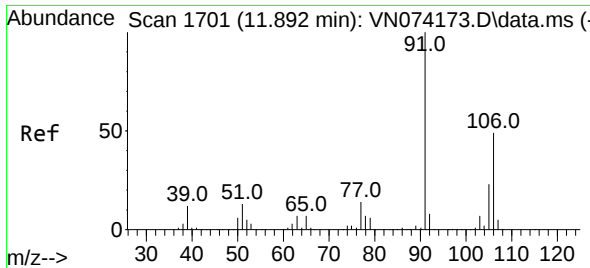
Supervised By :Mahesh
Dadoda
09/02/2022



#67
Ethyl Benzene
Concen: 175.350 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. -0.006 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

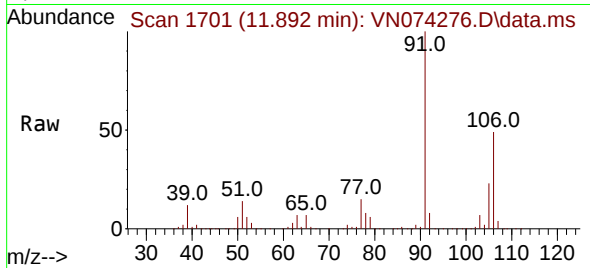
Tgt Ion: 91 Resp: 2402632
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3





#68
m/p-Xylenes
Concen: 216.128 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

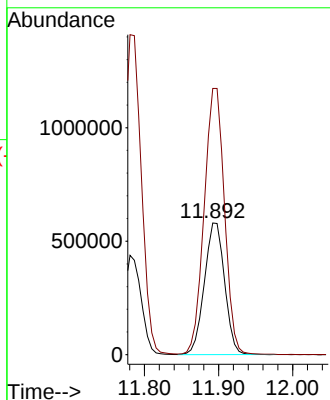
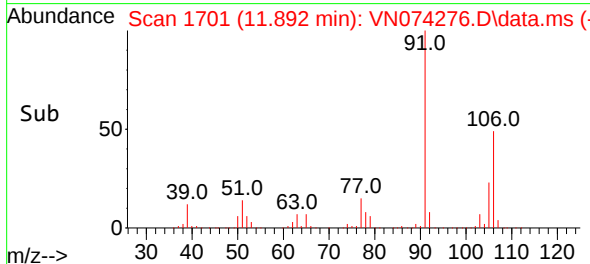
Instrument :
MSVOA_N
ClientSampleId :
MW-27



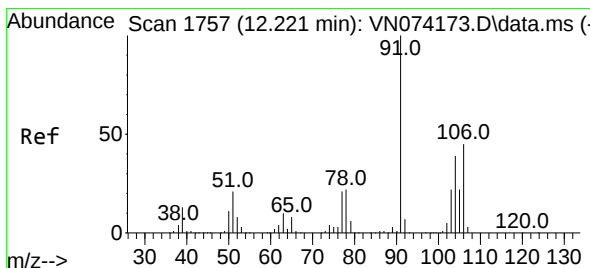
Tgt Ion:106 Resp: 1100114
Ion Ratio Lower Upper
106 100
91 203.2 158.9 238.3

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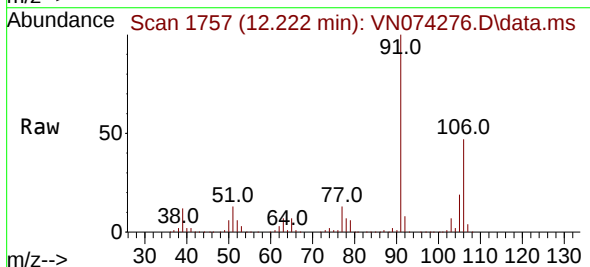
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



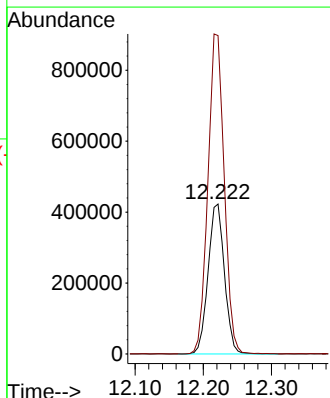
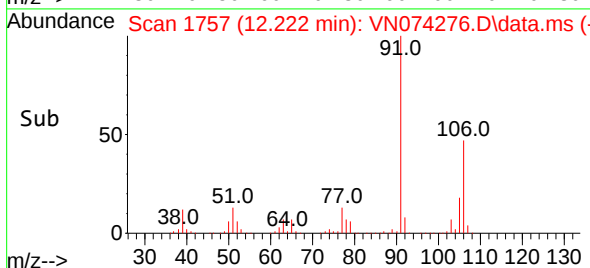
Supervised By :Mahesh
Dadoda
09/02/2022

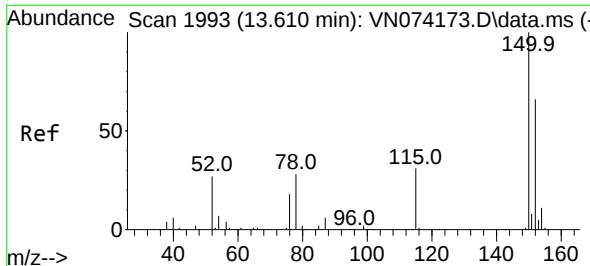


#69
o-Xylene
Concen: 139.172 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45



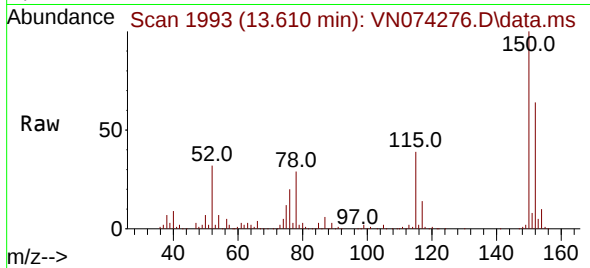
Tgt Ion:106 Resp: 705864
Ion Ratio Lower Upper
106 100
91 213.0 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

Instrument :
MSVOA_N
ClientSampleId :
MW-27

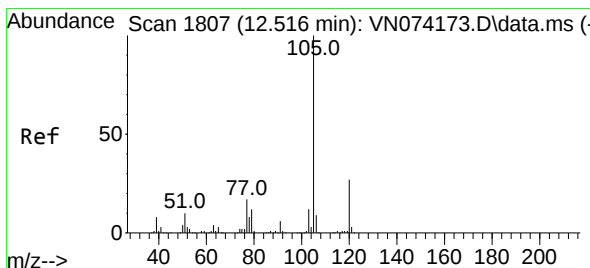
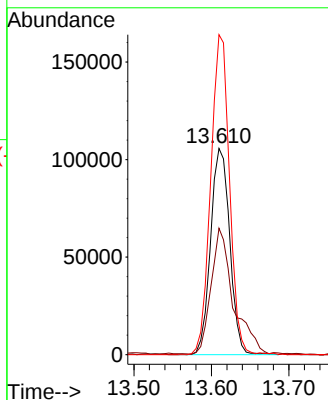
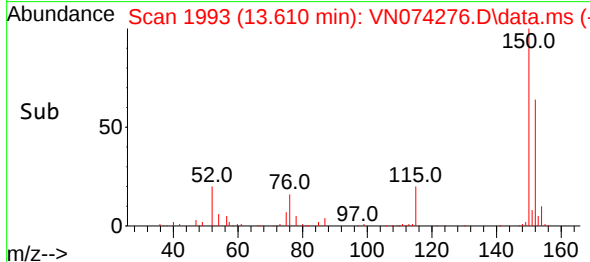


Tgt Ion:152 Resp: 18166
Ion Ratio Lower Upper
152 100
115 72.9 28.9 86.7
150 152.0 0.0 356.2

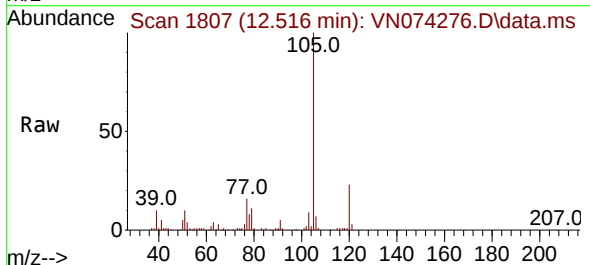
Manual Integrations
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Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022

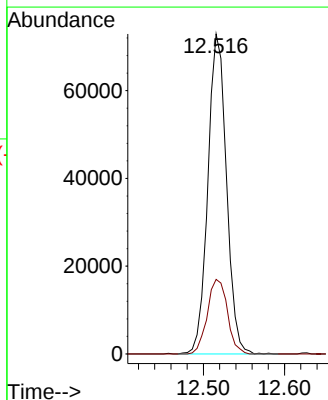
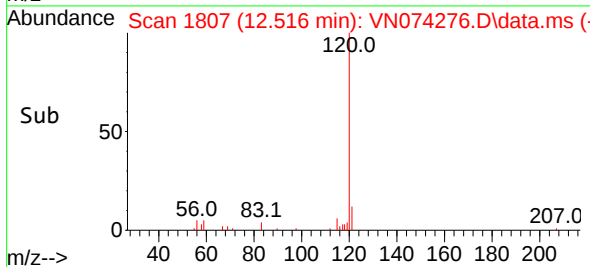
Supervised By :Mahesh
Dadoda
09/02/2022

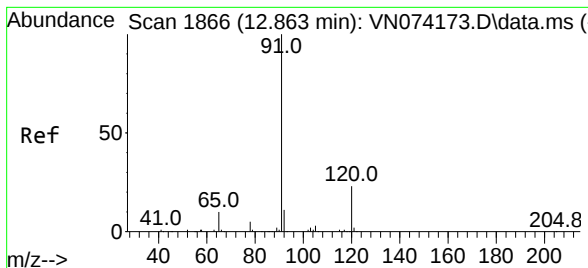


#73
Isopropylbenzene
Concen: 7.446 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45



Tgt Ion:105 Resp: 115842
Ion Ratio Lower Upper
105 100
120 25.2 13.5 40.4





#78

n-propylbenzene

Concen: 16.205 ug/l

RT: 12.857 min Scan# 1865

Delta R.T. -0.006 min

Lab File: VN074276.D

Acq: 02 Sep 2022 05:45

Instrument :

MSVOA_N

ClientSampleId :

MW-27

Tgt Ion: 91 Resp: 28738

Ion Ratio Lower Upper

91 100

120 21.1 11.9 35.5

Manual Integrations

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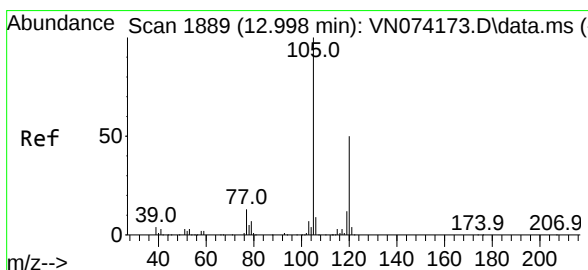
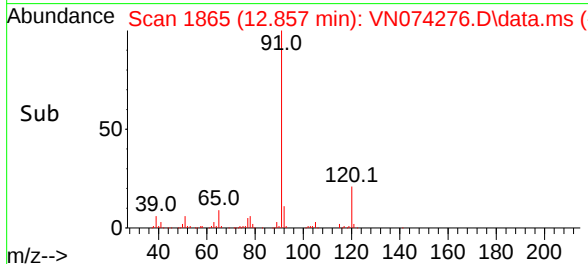
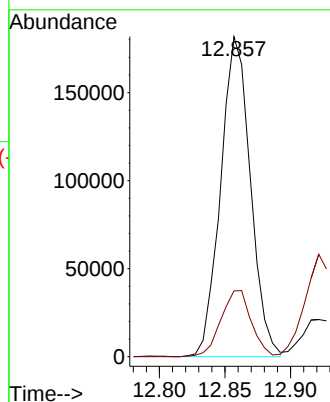
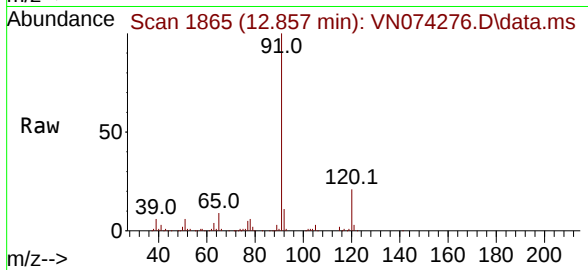
Reviewed By :John Carlone 09/02/2022

Supervised By :Mahesh Dadoda 09/02/2022

Supervised By :Mahesh

Dadoda

09/02/2022



#80

1,3,5-Trimethylbenzene

Concen: 13.753 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VN074276.D

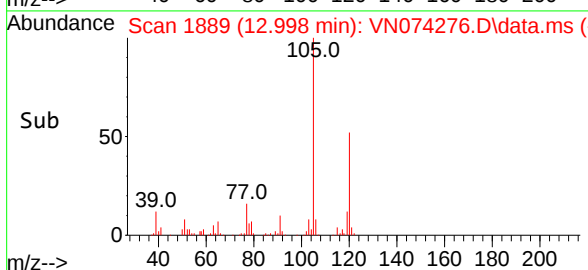
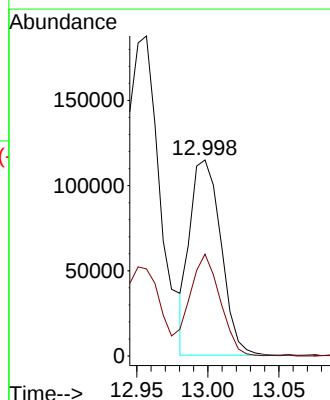
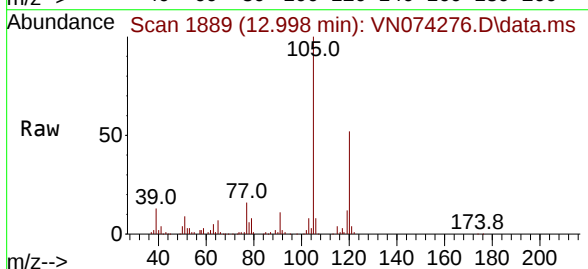
Acq: 02 Sep 2022 05:45

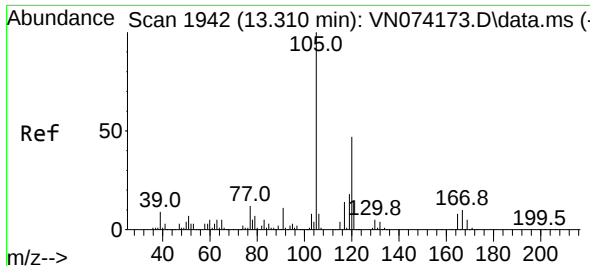
Tgt Ion:105 Resp: 174013

Ion Ratio Lower Upper

105 100

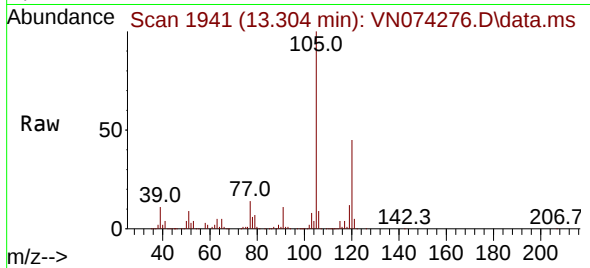
120 52.2 24.9 74.7





#84
1,2,4-Trimethylbenzene
Concen: 103.703 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. -0.006 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

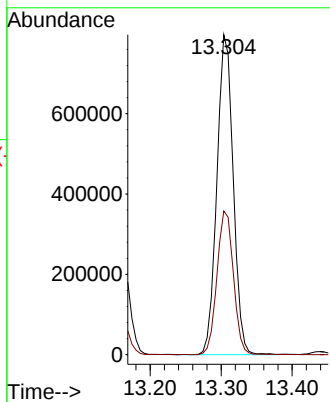
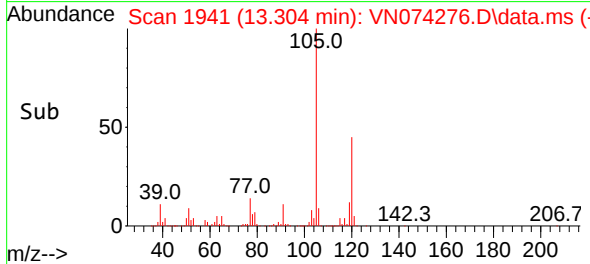
Instrument :
MSVOA_N
ClientSampleId :
MW-27



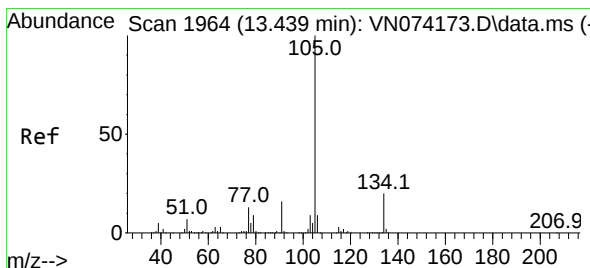
Tgt Ion:105 Resp: 126635
Ion Ratio Lower Upper
105 100
120 45.4 23.3 69.8

Manual Integrations
APPROVED

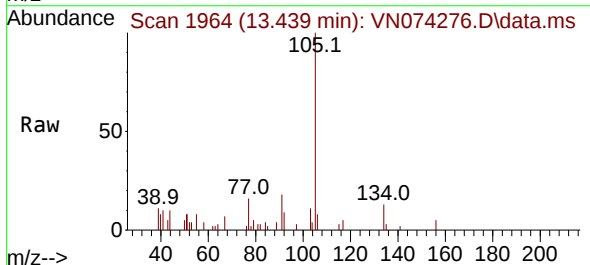
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022



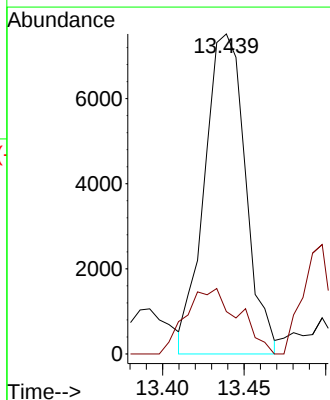
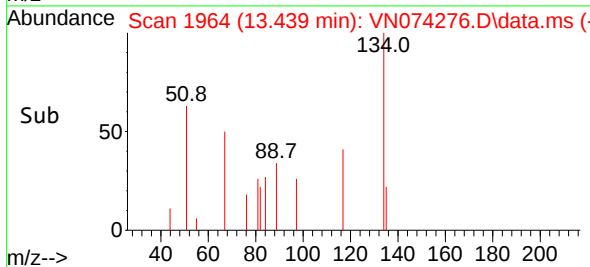
Supervised By :Mahesh
Dadoda
09/02/2022

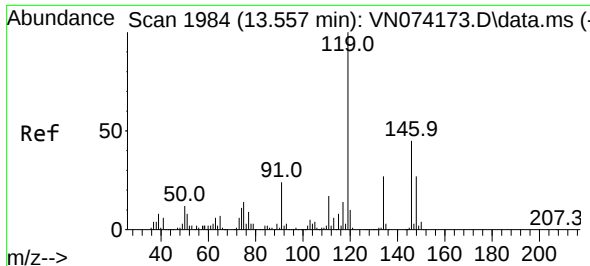


#85
sec-Butylbenzene
Concen: 0.866 ug/l m
RT: 13.439 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45



Tgt Ion:105 Resp: 13143
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#86
p-Isopropyltoluene
Concen: 0.535 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. -0.006 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

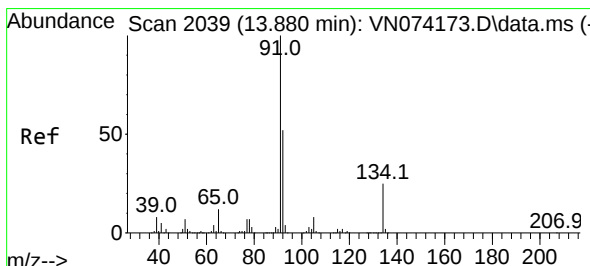
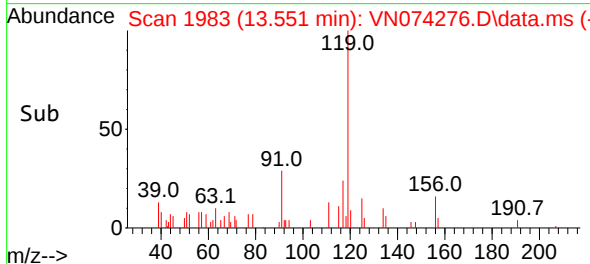
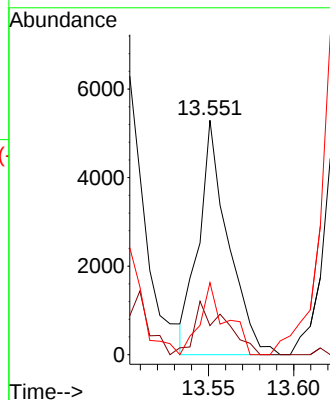
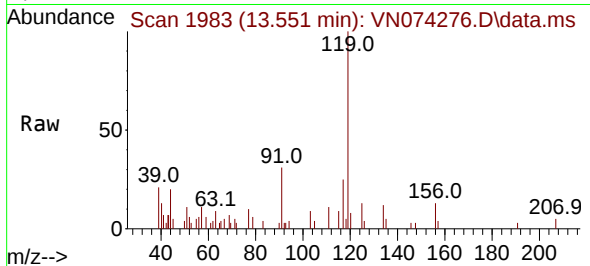
Instrument :
MSVOA_N
ClientSampleId :
MW-27

Tgt Ion: 119 Resp: 632
Ion Ratio Lower Upper
119 100
134 24.3 13.3 39.8
91 0.0 11.3 33.9

Manual Integrations
APPROVED

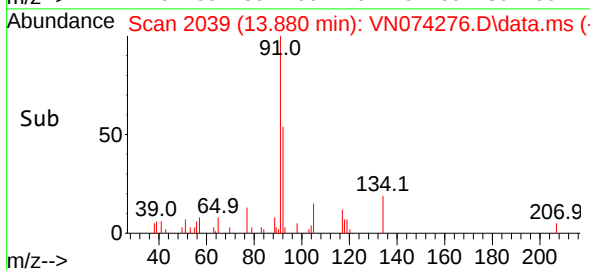
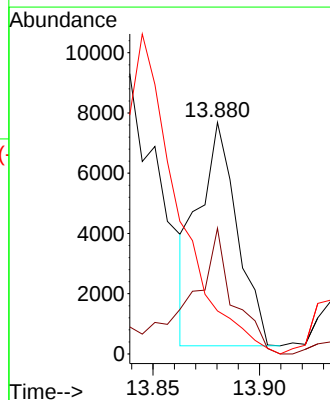
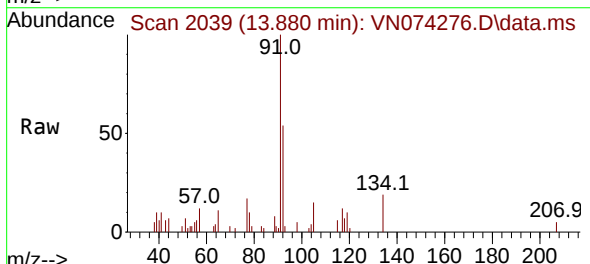
Reviewed By :John Carlone 09/02/2022
Supervised By :Mahesh Dadoda 09/02/2022

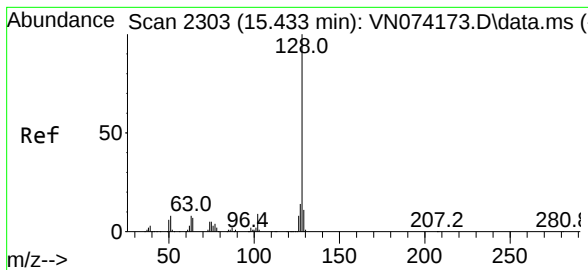
Supervised By :Mahesh
Dadoda
09/02/2022



#89
n-Butylbenzene
Concen: 0.910 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

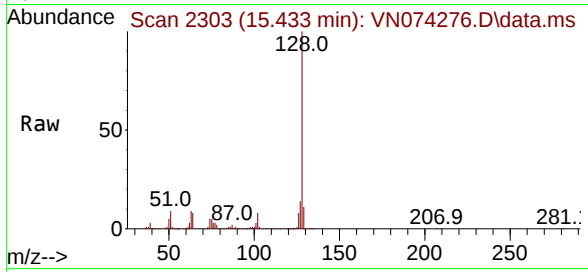
Tgt Ion: 91 Resp: 9361
Ion Ratio Lower Upper
91 100
92 61.2 26.9 80.7
134 0.0 13.6 40.8





#95
Naphthalene
Concen: 57.386 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074276.D
Acq: 02 Sep 2022 05:45

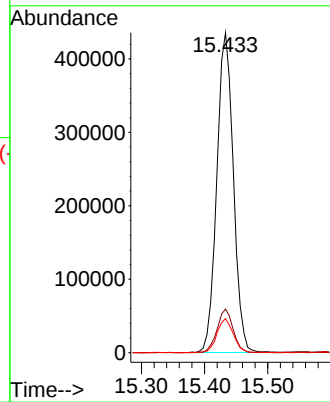
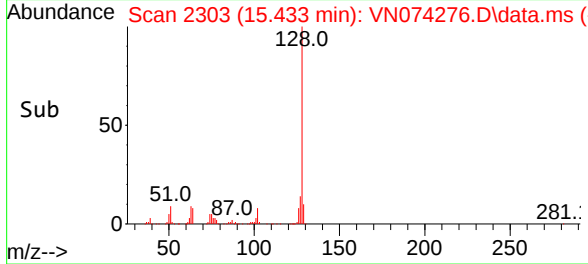
Instrument :
MSVOA_N
ClientSampleId :
MW-27



Tgt Ion:128 Resp: 793450
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.7 8.6 13.0

Manual Integrations
APPROVED

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



Supervised By :Mahesh
Dadoda
09/02/2022