

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
 Data File : VN074596.D
 Acq On : 19 Sep 2022 19:19
 Operator : JC\MD
 Sample : N4566-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Sep 20 04:21:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 09/21/2022
 Supervised By :Mahesh Dadoda 09/21/2022

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	322213	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	613544	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	659277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	457112	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	249881	45.706	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.420%		
35) Dibromofluoromethane	7.957	113	205072	50.316	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.640%		
50) Toluene-d8	10.380	98	783558	49.712	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.420%		
62) 4-Bromofluorobenzene	12.674	95	439520	81.416	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	162.840%#		
Target Compounds					Qvalue	
16) Acetone	4.222	43	551706	157.702	ug/l	89
17) Carbon Disulfide	4.445	76	38982	3.350	ug/l #	93
25) 2-Butanone	7.257	43	200292	34.483	ug/l #	85
31) Cyclohexane	8.022	56	2595081	267.423	ug/l	88
39) Methylcyclohexane	9.392	83	1169374	136.319	ug/l	93
51) 4-Methyl-2-Pentanone	10.274	43	18771	1.647	ug/l	98
52) Toluene	10.445	92	1667193	127.449	ug/l	97
59) 2-Hexanone	11.033	43	155977	17.929	ug/l #	47
67) Ethyl Benzene	11.774	91	25285628m	832.122	ug/l	
68) m/p-Xylenes	11.880	106	36277691m	3228.989	ug/l	
69) o-Xylene	12.215	106	26664924m	2327.772	ug/l	
73) Isopropylbenzene	12.521	105	1616592	34.539	ug/l	98
78) n-propylbenzene	12.862	91	6084634	109.151	ug/l	95
80) 1,3,5-Trimethylbenzene	13.004	105	13158882	344.886	ug/l	98
84) 1,2,4-Trimethylbenzene	13.298	105	22666891m	590.335	ug/l	
85) sec-Butylbenzene	13.445	105	220494m	4.625	ug/l	
86) p-Isopropyltoluene	13.562	119	133159m	3.582	ug/l	
89) n-Butylbenzene	13.886	91	326770m	9.753	ug/l	
95) Naphthalene	15.439	128	13748485	341.806	ug/l	99

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

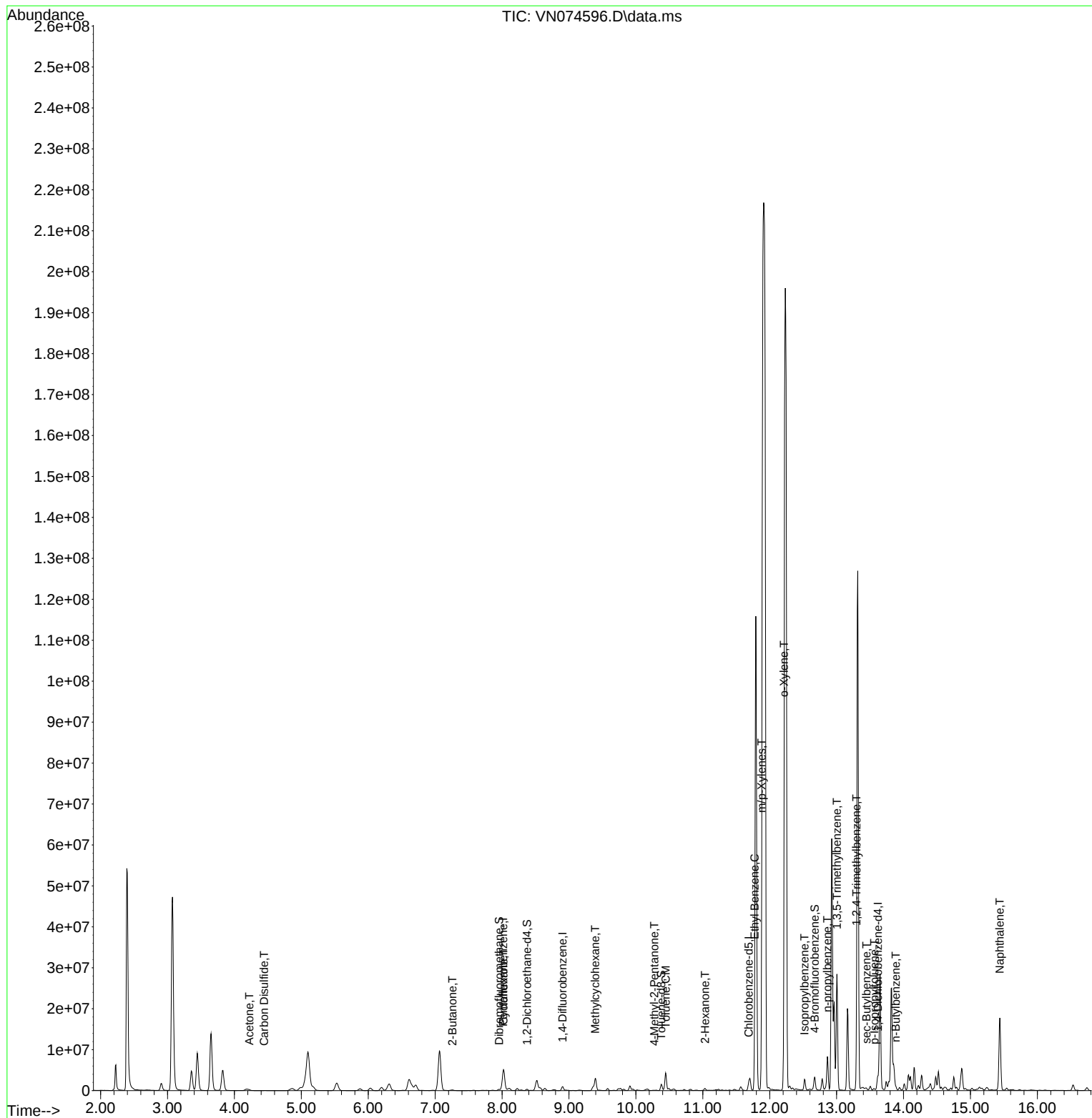
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091922\
Data File : VN074596.D
Acq On : 19 Sep 2022 19:19
Operator : JC\MD
Sample : N4566-03
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ALS Vial : 22 Sample Multiplier: 1

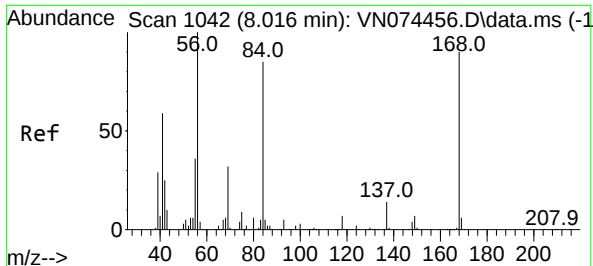
Instrument :
MSVOA_N
ClientSampleId :
MW-1

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Supervised By :Mahesh Dadoda 09/21/2022

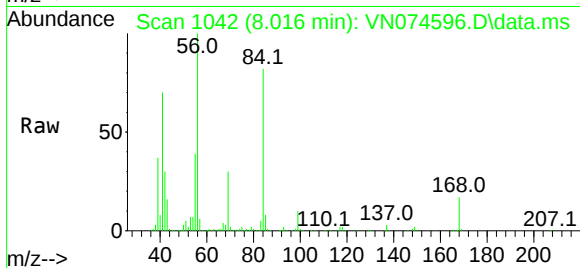
Quant Time: Sep 20 04:21:35 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 15 19:20:33 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

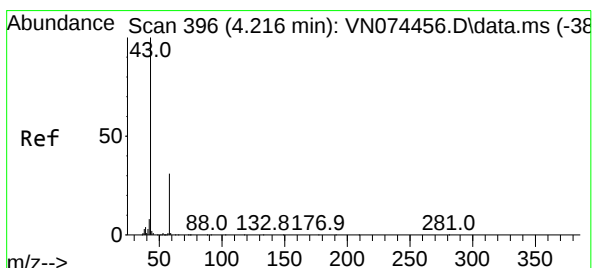
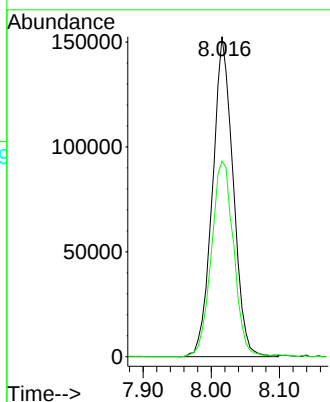
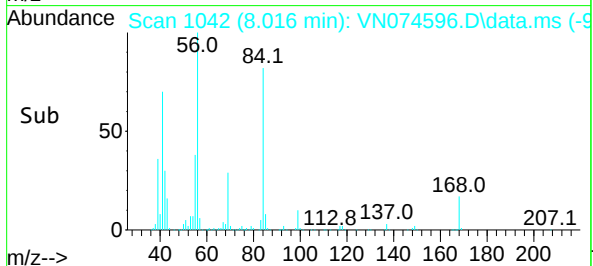
Instrument :
MSVOA_N
ClientSampleId :
MW-1



Tgt Ion:168 Resp: 32221
Ion Ratio Lower Upper
168 100
99 61.1 42.3 63.5

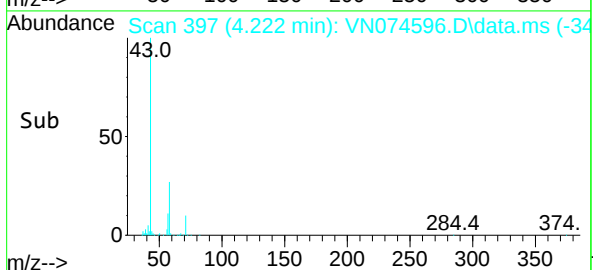
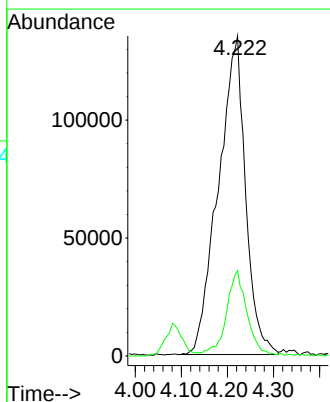
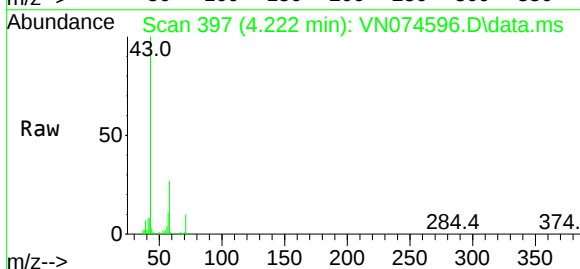
Manual Integrations
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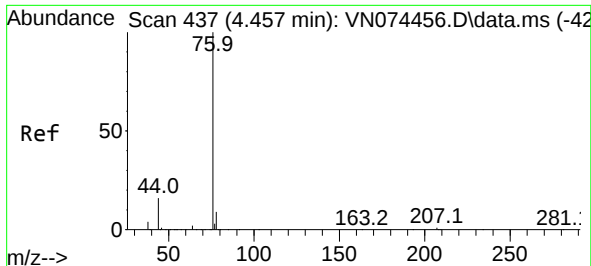
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022



#16
Acetone
Concen: 157.702 ug/l
RT: 4.222 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

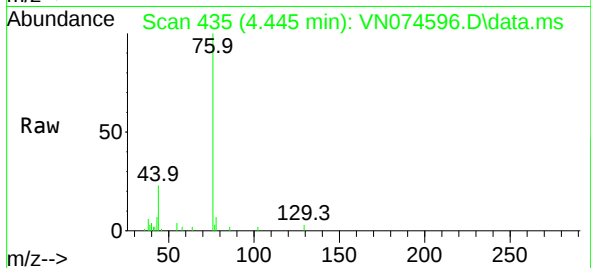
Tgt Ion: 43 Resp: 551706
Ion Ratio Lower Upper
43 100
58 26.3 26.0 39.0





#17
Carbon Disulfide
Concen: 3.350 ug/l
RT: 4.445 min Scan# 41
Delta R.T. -0.012 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

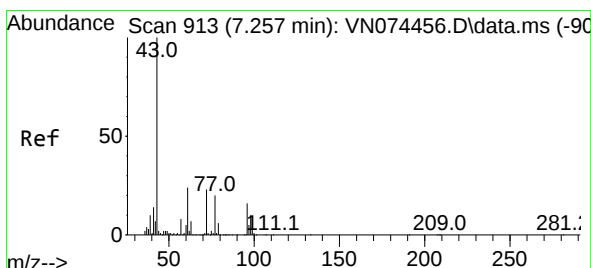
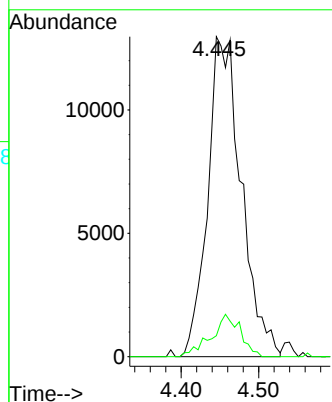
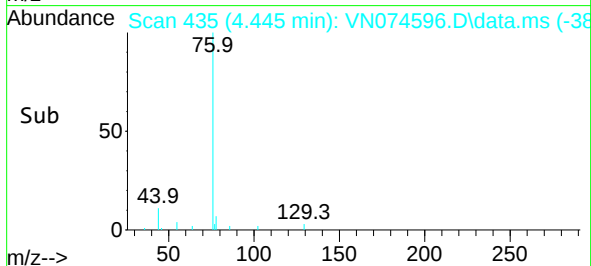
Instrument :
MSVOA_N
ClientSampleId :
MW-1



Tgt Ion: 76 Resp: 3898
Ion Ratio Lower Upper
76 100
78 6.5 7.2 10.8

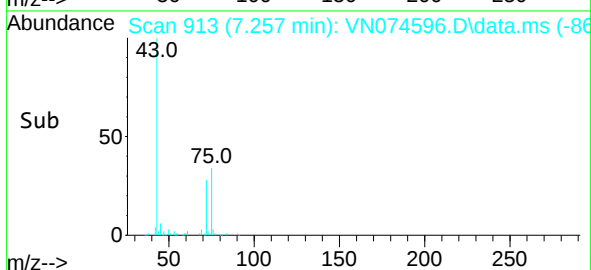
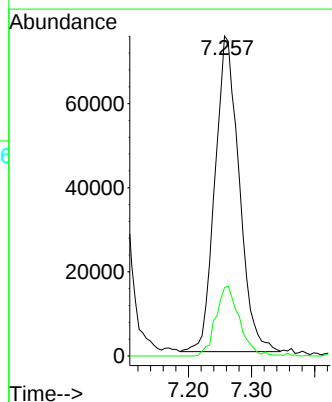
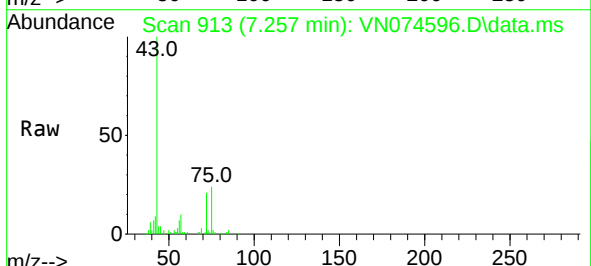
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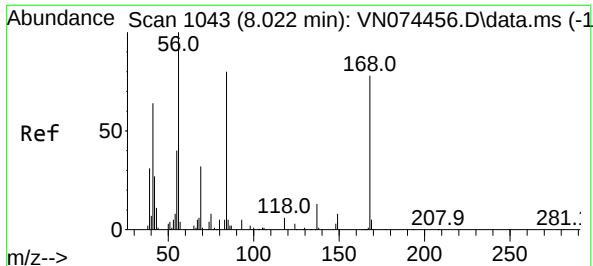
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022



#25
2-Butanone
Concen: 34.483 ug/l
RT: 7.257 min Scan# 913
Delta R.T. -0.000 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

Tgt Ion: 43 Resp: 200292
Ion Ratio Lower Upper
43 100
72 21.6 23.7 35.5





#31

Cyclohexane

Concen: 267.423 ug/l

RT: 8.022 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VN074596.D

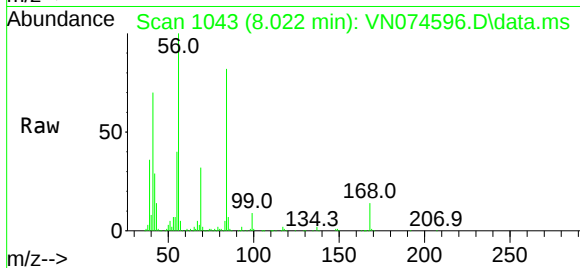
Acq: 19 Sep 2022 19:19

Instrument :

MSVOA_N

ClientSampleId :

MW-1



Tgt Ion: 56 Resp: 259508

Ion Ratio Lower Upper

56 100

69 31.7 27.8 41.8

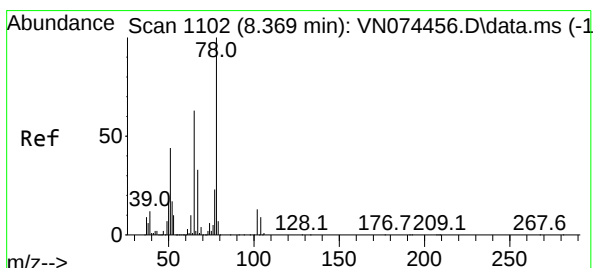
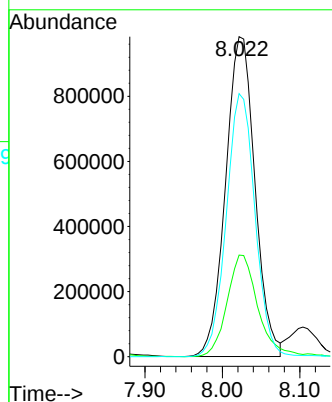
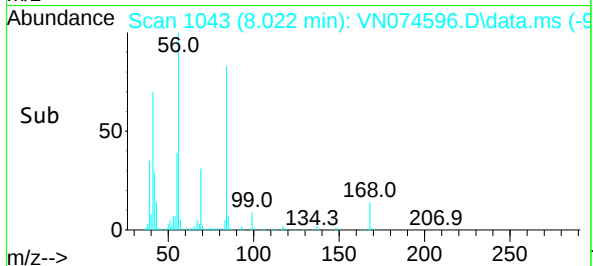
84 82.2 76.9 115.3

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Supervised By :Mahesh Dadoda 09/21/2022



#33

1,2-Dichloroethane-d4

Concen: 45.706 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN074596.D

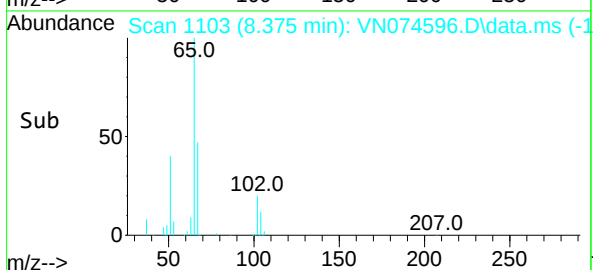
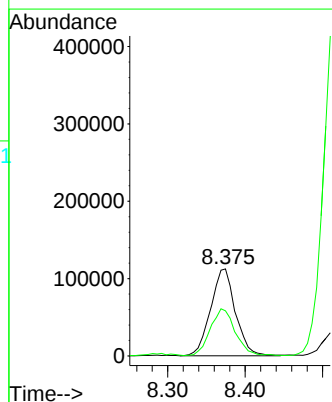
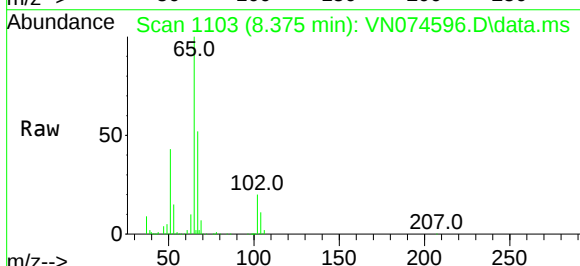
Acq: 19 Sep 2022 19:19

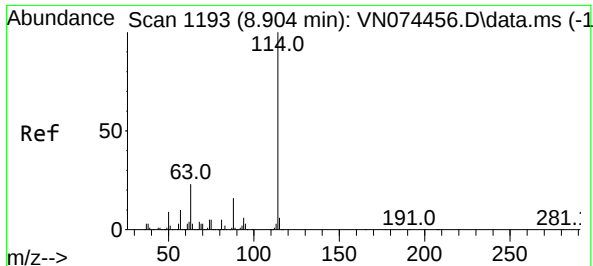
Tgt Ion: 65 Resp: 249881

Ion Ratio Lower Upper

65 100

67 54.5 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: VN074596.D

Acq: 19 Sep 2022 19:19

Instrument :

MSVOA_N

ClientSampleId :

MW-1

Tgt Ion:114 Resp: 613544

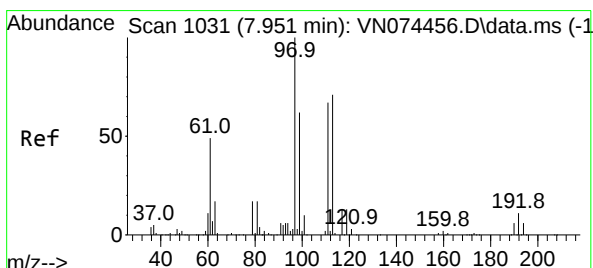
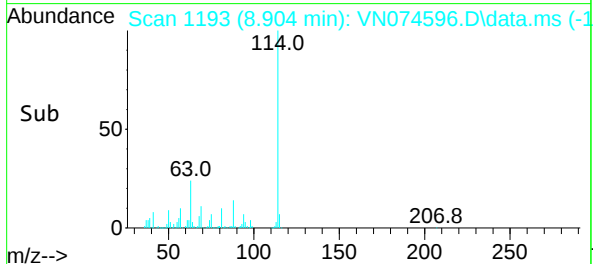
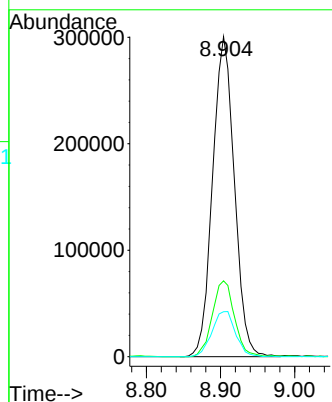
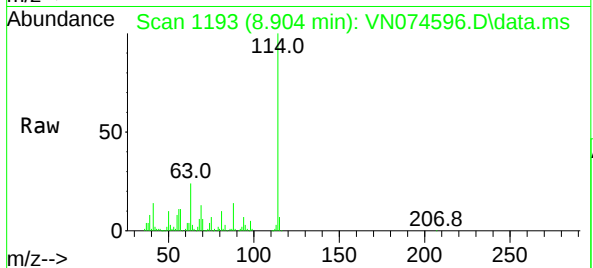
Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	40.0
88	14.0	0.0	32.6

Manual Integrations

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Supervised By :Mahesh Dadoda 09/21/2022



#35

Dibromofluoromethane

Concen: 50.316 ug/l

RT: 7.957 min Scan# 1032

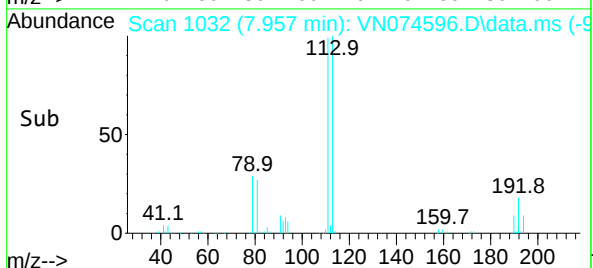
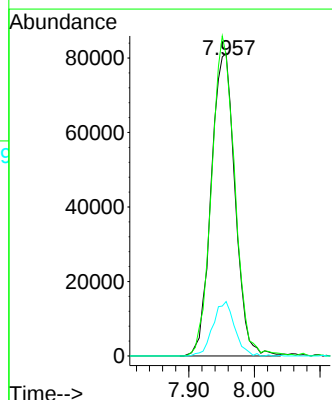
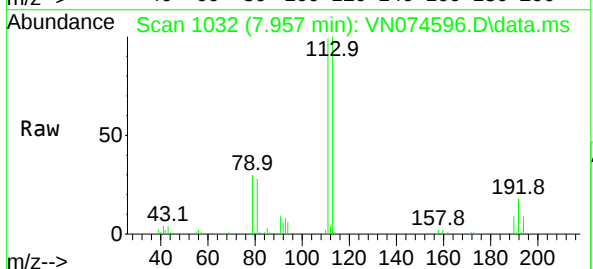
Delta R.T. 0.006 min

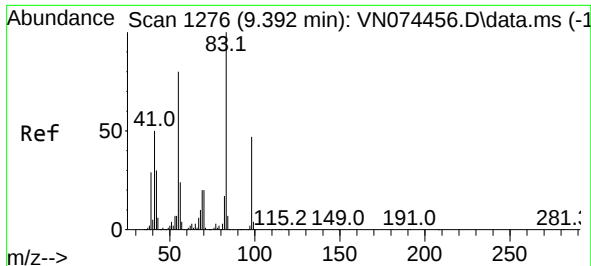
Lab File: VN074596.D

Acq: 19 Sep 2022 19:19

Tgt Ion:113 Resp: 205072

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.0
192	16.4	17.0	25.6





#39

Methylcyclohexane

Concen: 136.319 ug/l

RT: 9.392 min Scan# 11

Delta R.T. 0.000 min

Lab File: VN074596.D

Acq: 19 Sep 2022 19:19

Instrument :

MSVOA_N

ClientSampleId :

MW-1

Tgt Ion: 83 Resp: 1169374

Ion Ratio Lower Upper

83 100

55 79.8 57.8 86.8

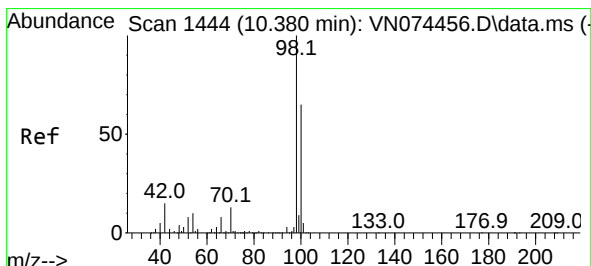
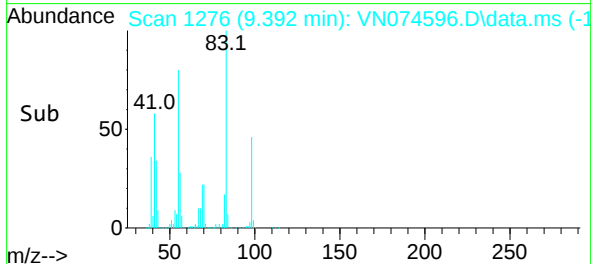
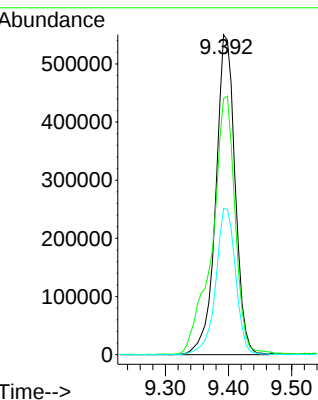
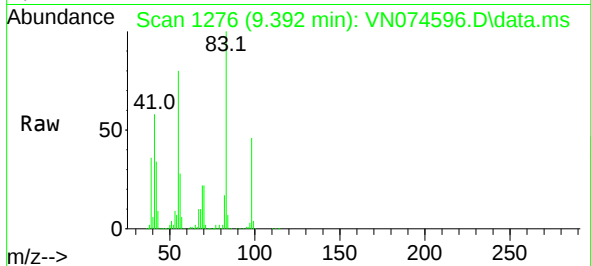
98 45.7 39.4 59.2

Manual Integrations

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Reviewed By :Krupa Patel 09/21/2022

Supervised By :Mahesh Dadoda 09/21/2022



#50

Toluene-d8

Concen: 49.712 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.000 min

Lab File: VN074596.D

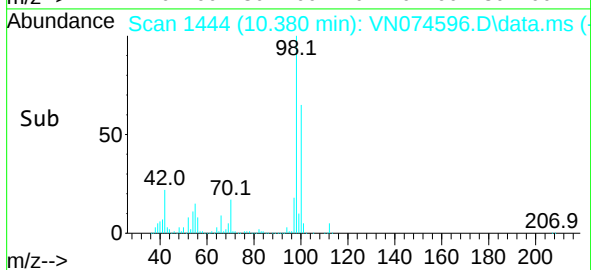
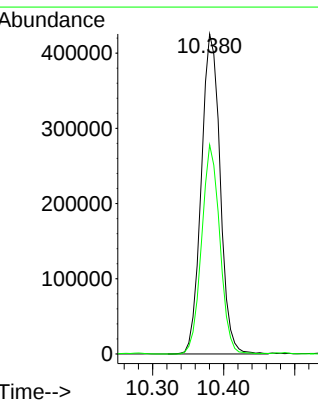
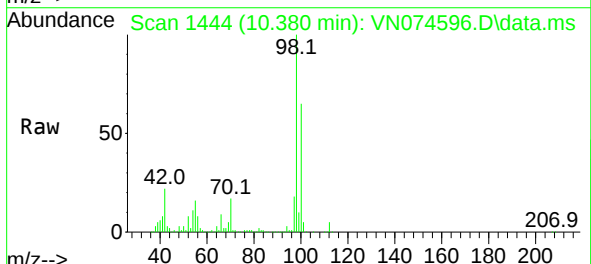
Acq: 19 Sep 2022 19:19

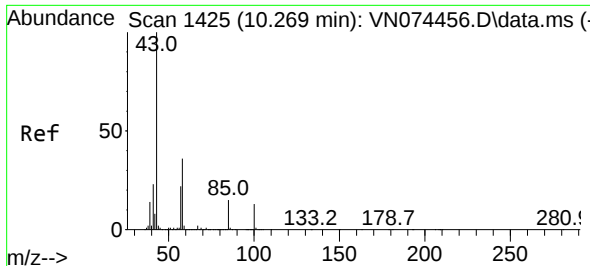
Tgt Ion: 98 Resp: 783558

Ion Ratio Lower Upper

98 100

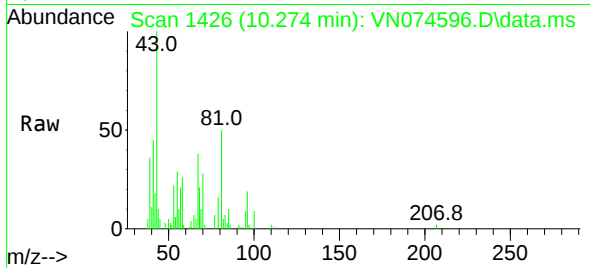
100 63.0 52.6 78.8





#51
4-Methyl-2-Pentanone
Concen: 1.647 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. 0.005 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

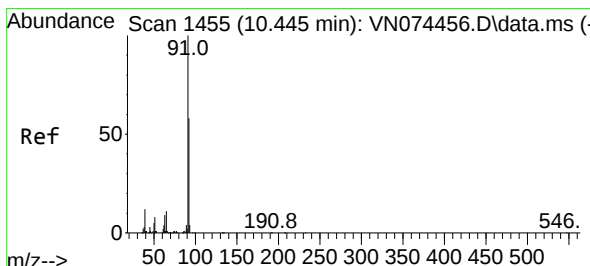
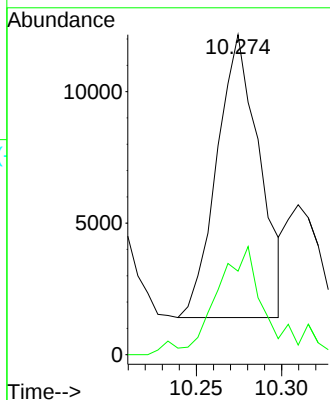
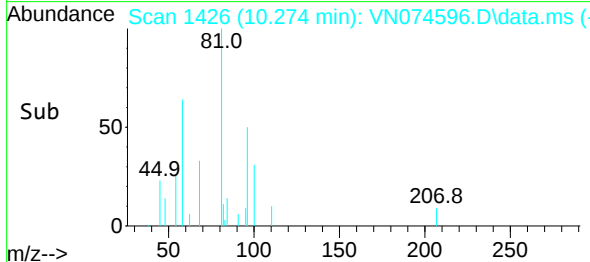
Instrument :
MSVOA_N
ClientSampleId :
MW-1



Tgt Ion: 43 Resp: 1877
Ion Ratio Lower Upper
43 100
58 43.8 34.1 51.1

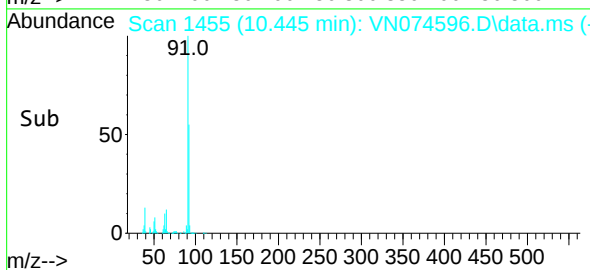
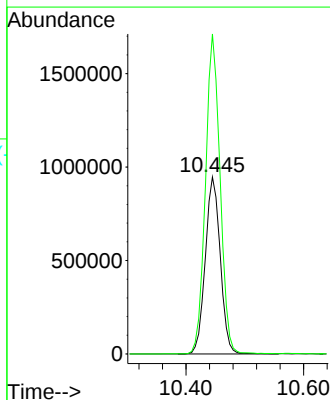
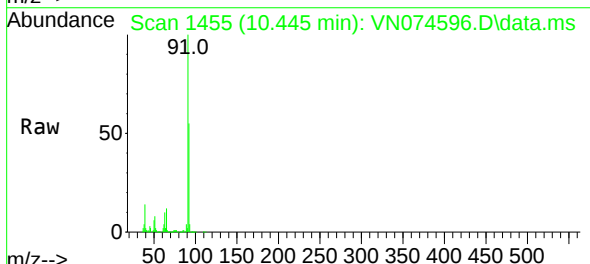
Manual Integrations
APPROVED

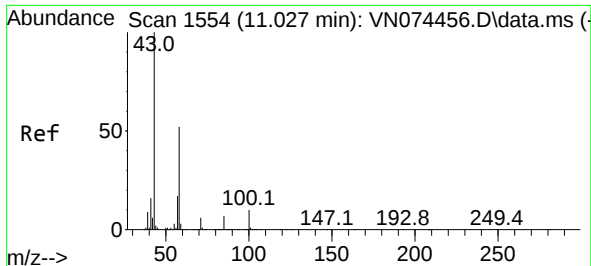
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022



#52
Toluene
Concen: 127.449 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

Tgt Ion: 92 Resp: 1667193
Ion Ratio Lower Upper
92 100
91 177.2 138.6 207.8





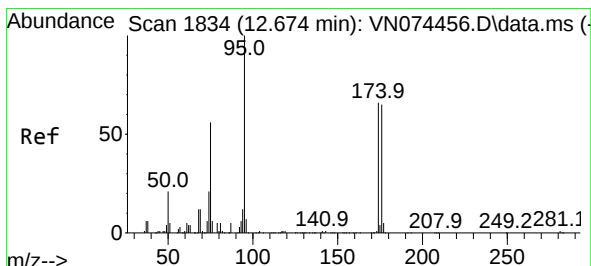
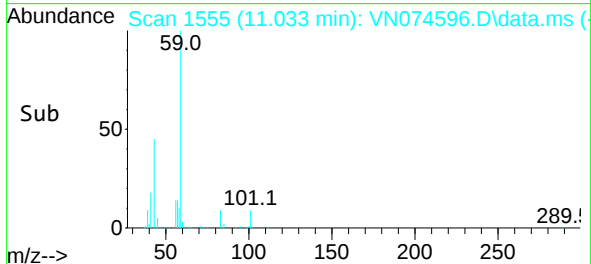
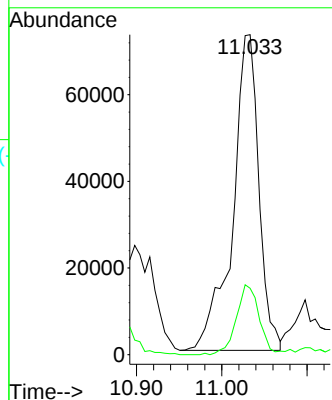
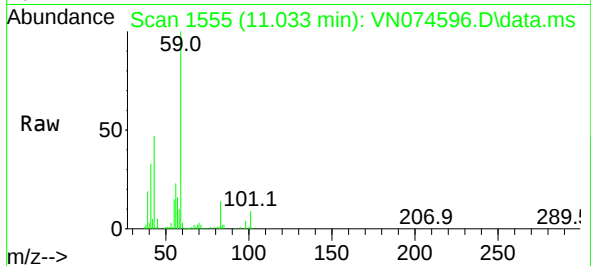
#59
2-Hexanone
Concen: 17.929 ug/l
RT: 11.033 min Scan# 11033
Delta R.T. 0.006 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion: 43 Resp: 15597
Ion Ratio Lower Upper
43 100
58 19.5 29.7 89.1

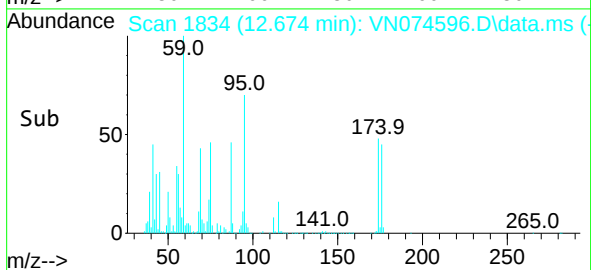
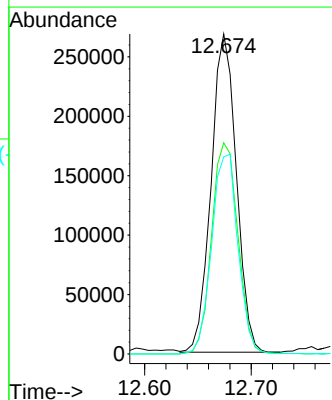
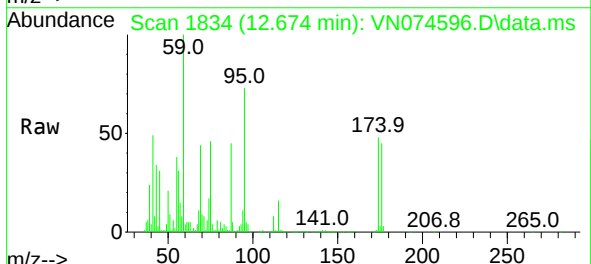
Manual Integrations
APPROVED

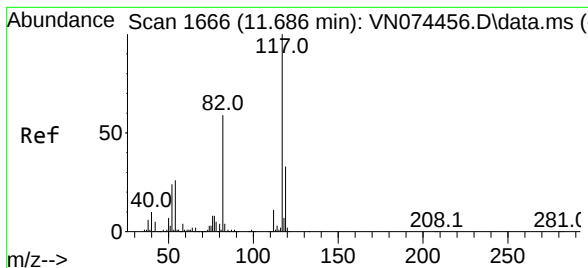
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022



#62
4-Bromofluorobenzene
Concen: 81.416 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

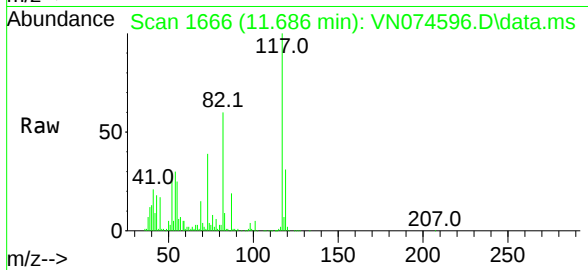
Tgt Ion: 95 Resp: 439520
Ion Ratio Lower Upper
95 100
174 69.4 0.0 167.6
176 65.6 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

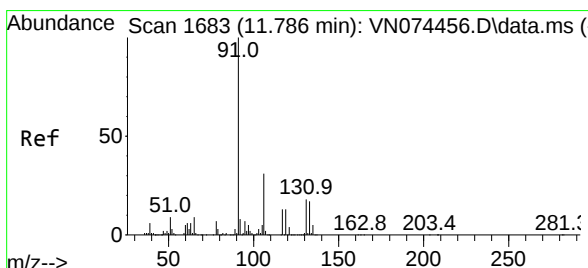
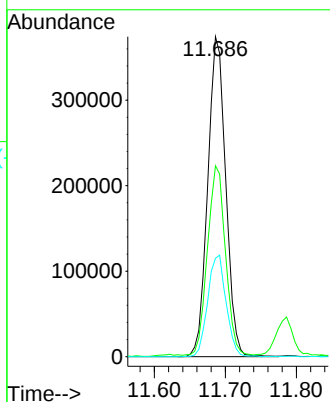
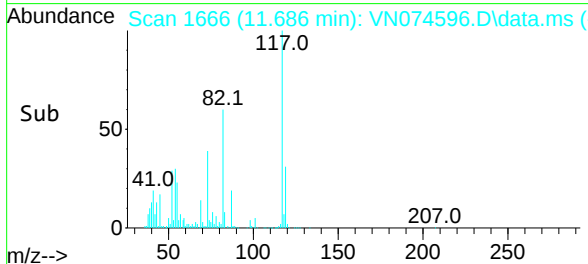
Instrument :
MSVOA_N
ClientSampleId :
MW-1



Tgt Ion:117 Resp: 65927
Ion Ratio Lower Upper
117 100
82 59.1 44.2 66.2
119 30.8 25.4 38.0

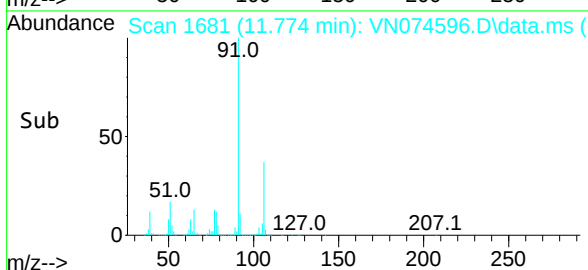
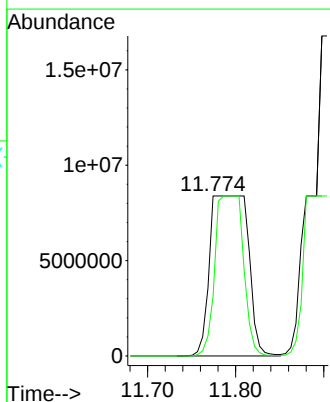
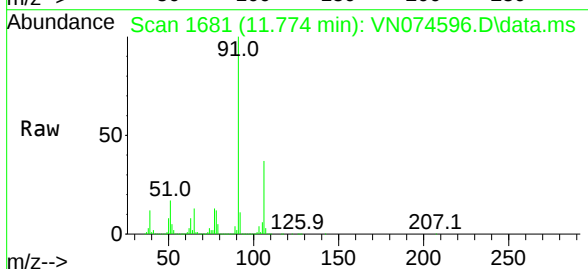
Manual Integrations
APPROVED

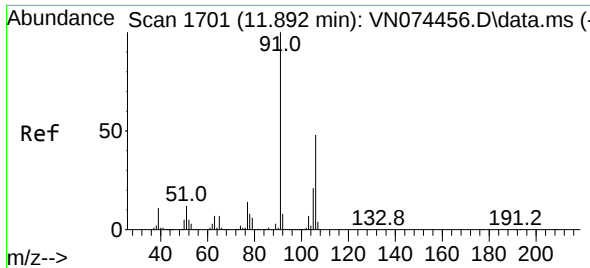
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022



#67
Ethyl Benzene
Concen: 832.122 ug/l m
RT: 11.774 min Scan# 1681
Delta R.T. -0.012 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

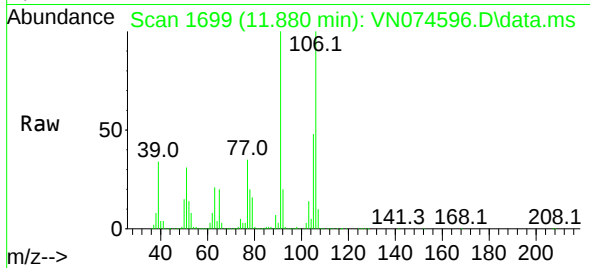
Tgt Ion: 91 Resp:25285628
Ion Ratio Lower Upper
91 100
106 37.2 24.9 37.3





#68
m/p-Xylenes
Concen: 3228.989 ug/l m
RT: 11.880 min Scan# 1699
Delta R.T. -0.012 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

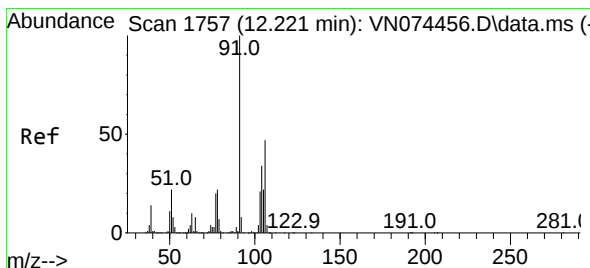
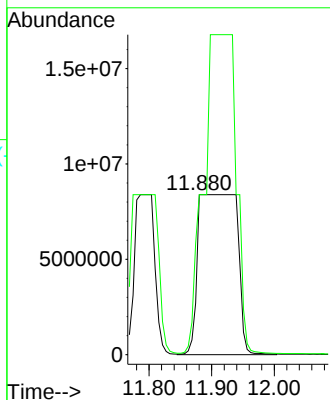
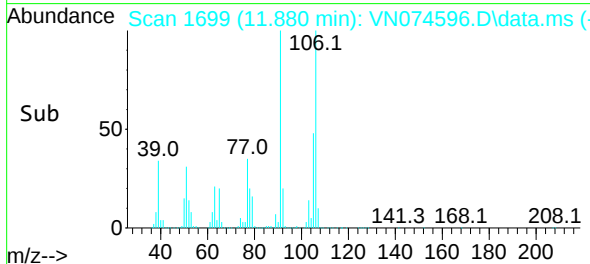
Instrument :
MSVOA_N
ClientSampleId :
MW-1



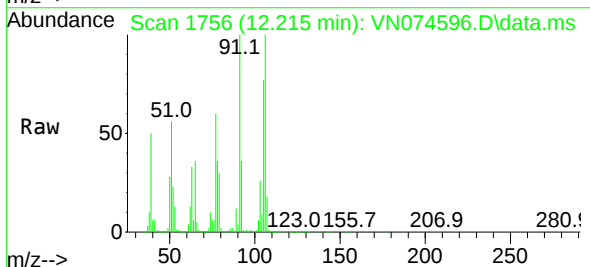
Tgt Ion:106 Resp:3627769
Ion Ratio Lower Upper
106 100
91 0.0 158.9 238.3

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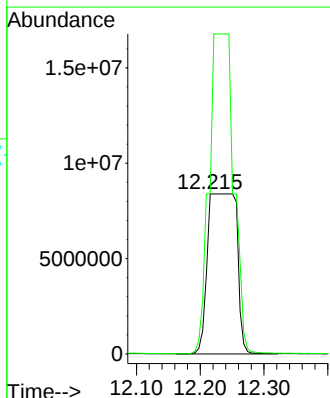
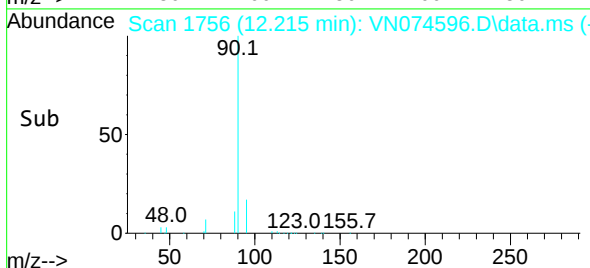
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

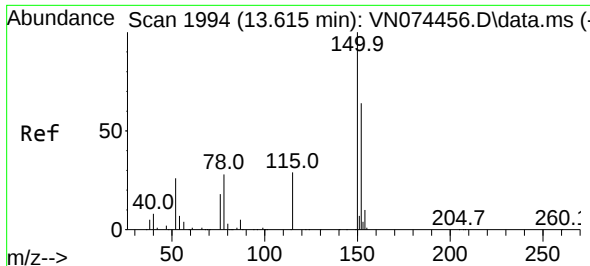


#69
o-Xylene
Concen: 2327.772 ug/l m
RT: 12.215 min Scan# 1756
Delta R.T. -0.006 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19



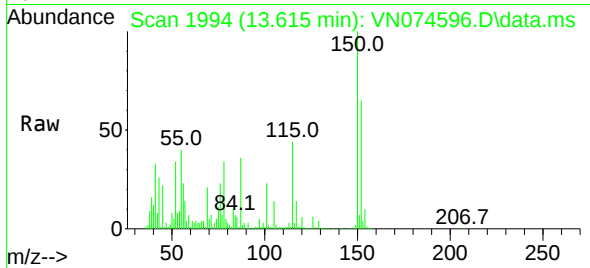
Tgt Ion:106 Resp:26664924
Ion Ratio Lower Upper
106 100
91 0.0 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

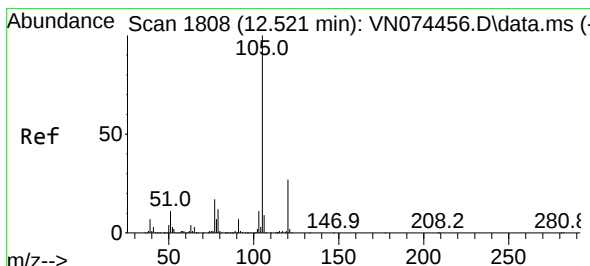
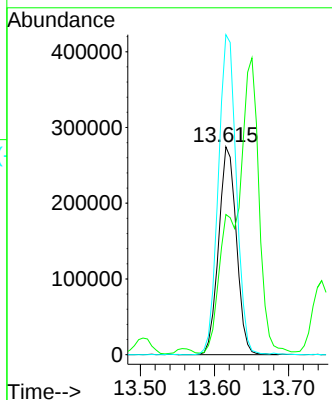
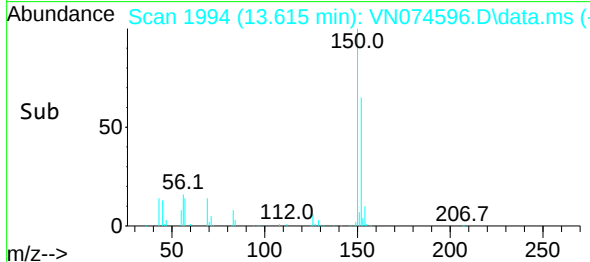
Instrument :
MSVOA_N
ClientSampleId :
MW-1



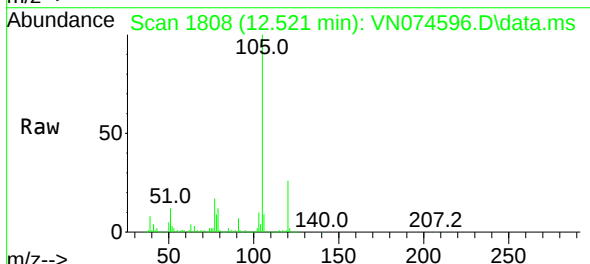
Tgt Ion:152 Resp: 457112
Ion Ratio Lower Upper
152 100
115 0.0 28.9 86.7
150 156.3 0.0 356.2

Manual Integrations
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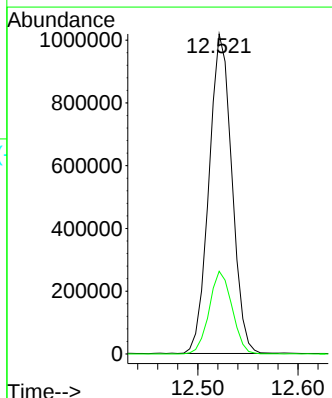
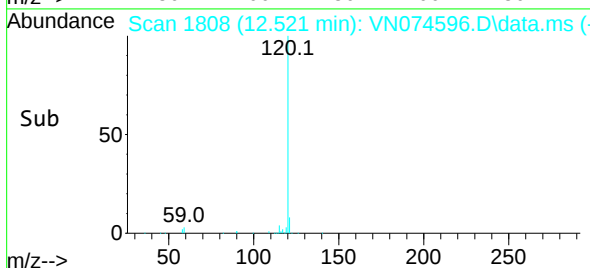
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

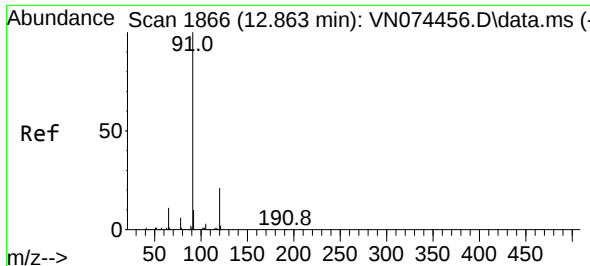


#73
Isopropylbenzene
Concen: 34.539 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19



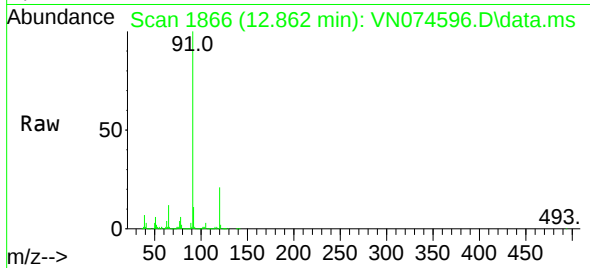
Tgt Ion:105 Resp: 1616592
Ion Ratio Lower Upper
105 100
120 25.8 13.5 40.4





#78
n-propylbenzene
Concen: 109.151 ug/l
RT: 12.862 min Scan# 1866
Delta R.T. -0.001 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

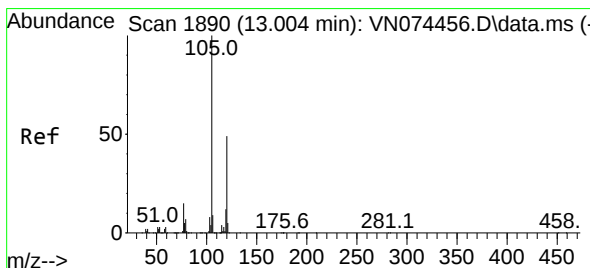
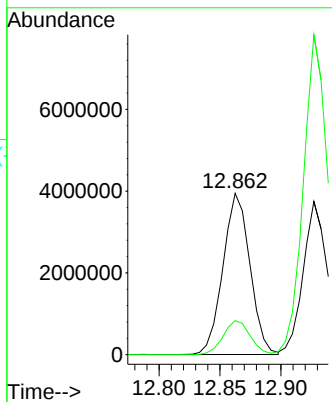
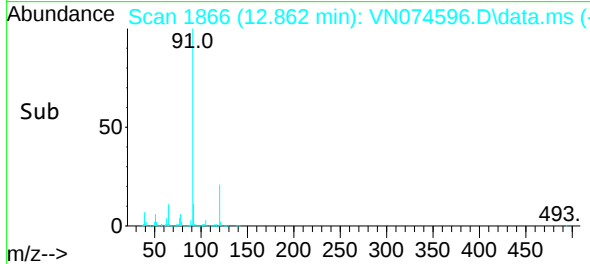
Instrument :
MSVOA_N
ClientSampleId :
MW-1



Tgt Ion: 91 Resp: 6084634
Ion Ratio Lower Upper
91 100
120 21.2 11.9 35.5

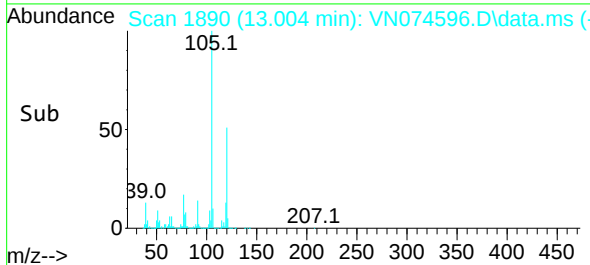
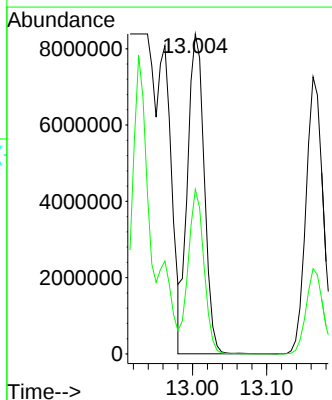
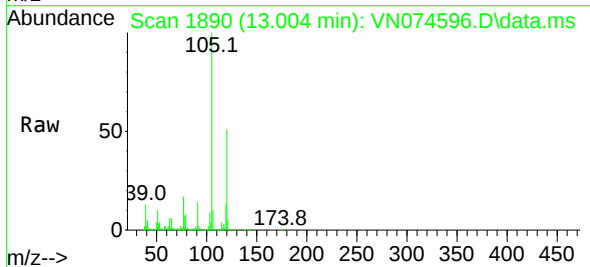
Manual Integrations
APPROVED

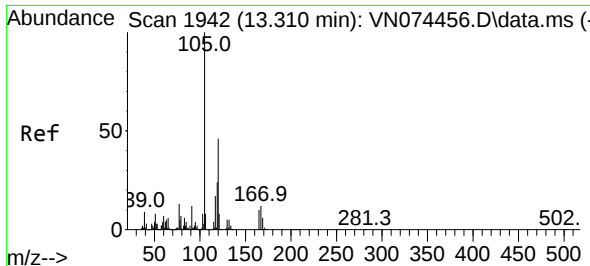
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022



#80
1,3,5-Trimethylbenzene
Concen: 344.886 ug/l
RT: 13.004 min Scan# 1890
Delta R.T. -0.000 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

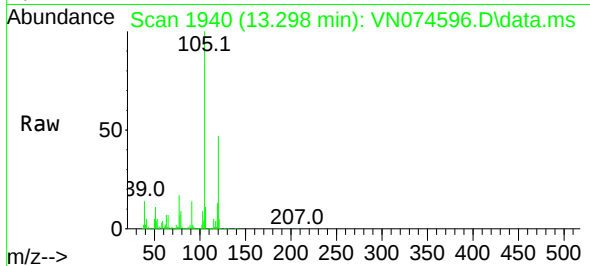
Tgt Ion:105 Resp:13158882
Ion Ratio Lower Upper
105 100
120 48.6 24.9 74.7





#84
1,2,4-Trimethylbenzene
Concen: 590.335 ug/l m
RT: 13.298 min Scan# 1940
Delta R.T. -0.012 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

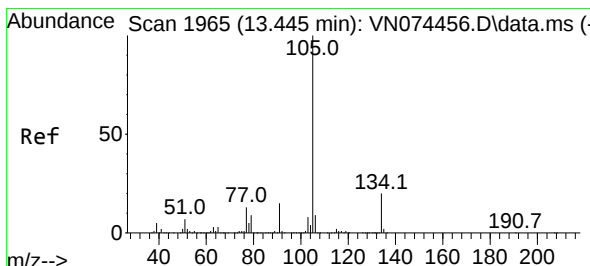
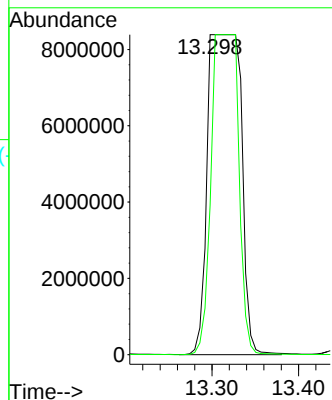
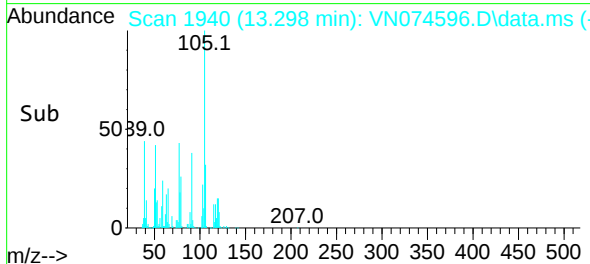
Instrument :
MSVOA_N
ClientSampleId :
MW-1



Tgt Ion:105 Resp:2266689
Ion Ratio Lower Upper
105 100
120 15.4 23.3 69.8

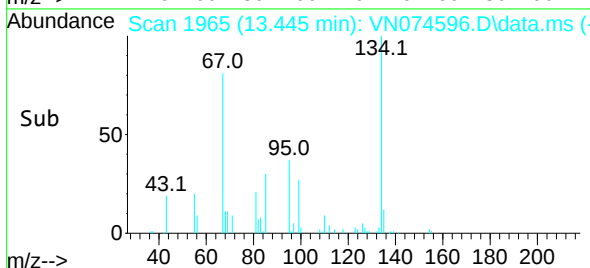
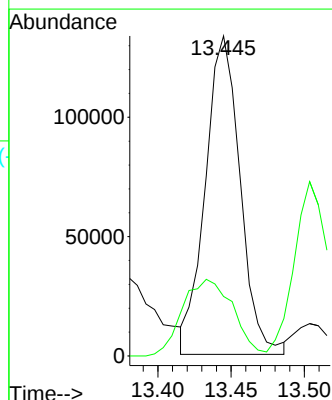
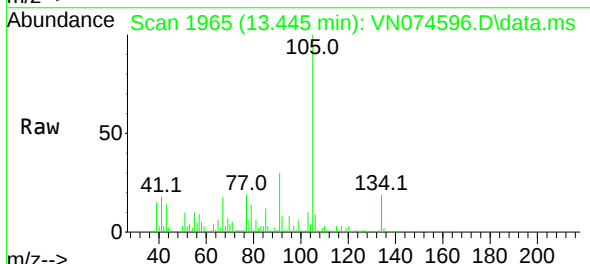
Manual Integrations
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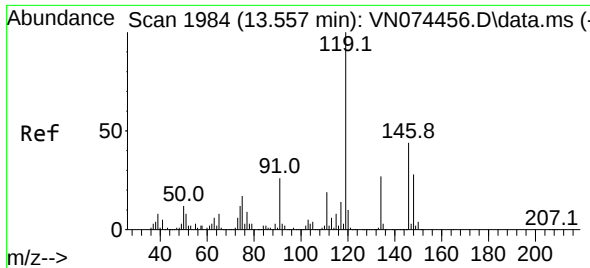
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022



#85
sec-Butylbenzene
Concen: 4.625 ug/l m
RT: 13.445 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

Tgt Ion:105 Resp: 220494
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





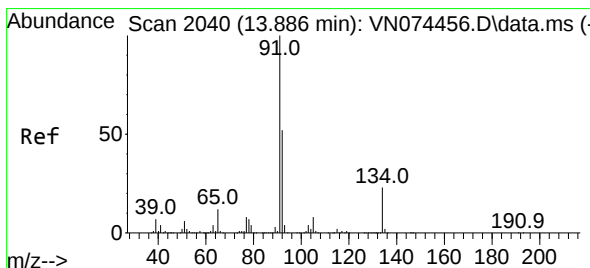
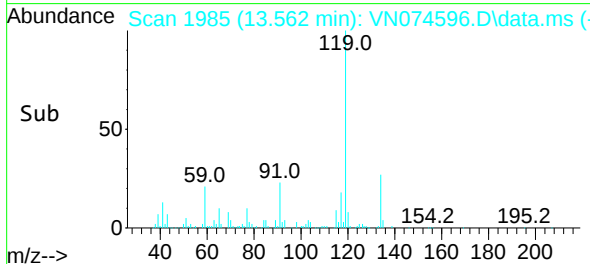
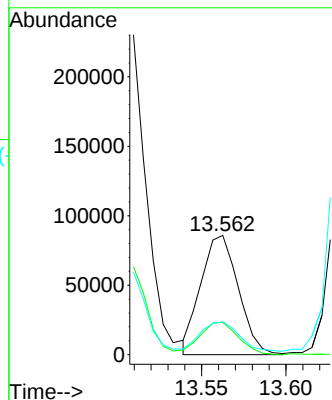
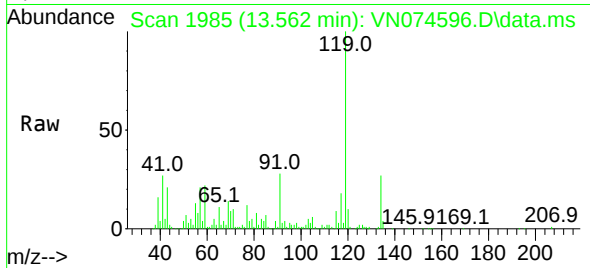
#86
p-Isopropyltoluene
Concen: 3.582 ug/l m
RT: 13.562 min Scan# 1984
Delta R.T. 0.005 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:119 Resp: 133159
Ion Ratio Lower Upper
119 100
134 85.9 13.3 39.8#
91 0.0 11.3 33.9#

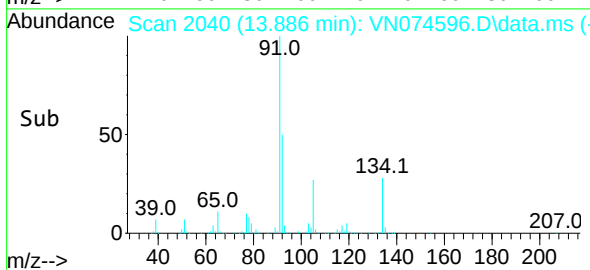
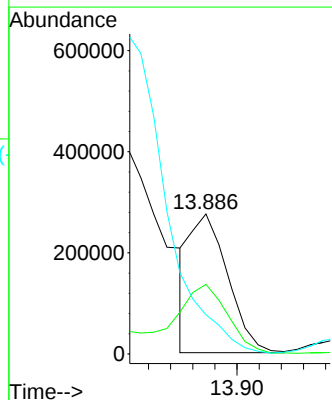
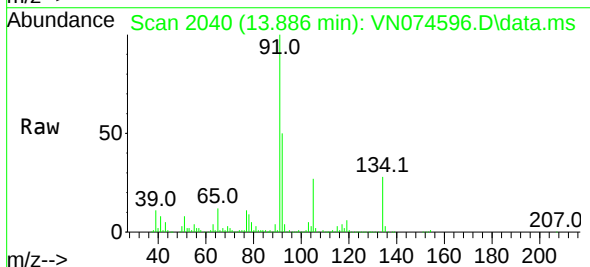
Manual Integrations
APPROVED

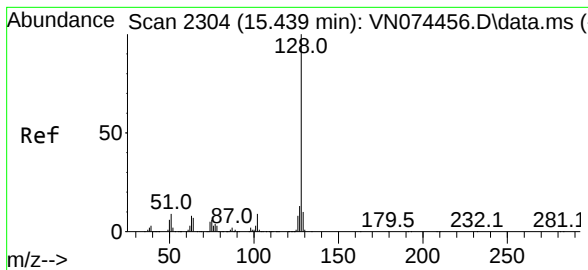
Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022



#89
n-Butylbenzene
Concen: 9.753 ug/l m
RT: 13.886 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

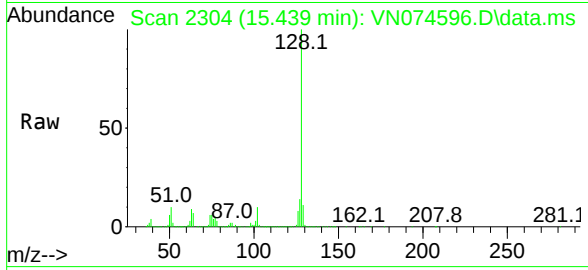
Tgt Ion: 91 Resp: 326770
Ion Ratio Lower Upper
91 100
92 115.1 26.9 80.7#
134 272.3 13.6 40.8#





#95
Naphthalene
Concen: 341.806 ug/l
RT: 15.439 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN074596.D
Acq: 19 Sep 2022 19:19

Instrument :
MSVOA_N
ClientSampleId :
MW-1



Tgt Ion:128 Resp:1374848
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 11.1 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 09/21/2022
Supervised By :Mahesh Dadoda 09/21/2022

