

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
 Data File : VN073959.D
 Acq On : 16 Aug 2022 19:29
 Operator : JC\MD
 Sample : N4204-24
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/17/2022
 Supervised By : Mahesh Dadoda 08/17/2022

Quant Time: Aug 17 01:21:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	729142	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	1061738	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	1084496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	662209	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	330502	46.538	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.080%		
35) Dibromofluoromethane	7.951	113	326336	51.973	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.940%		
50) Toluene-d8	10.386	98	1151756	47.362	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.720%		
62) 4-Bromofluorobenzene	12.674	95	547581	67.848	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	135.700%#		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.287	59	715770	450.577	ug/l	100
19) Methyl tert-butyl Ether	5.534	73	782730	37.766	ug/l #	1
25) 2-Butanone	7.263	43	161170	30.337	ug/l	98
31) Cyclohexane	8.022	56	1405232	141.940	ug/l	97
39) Methylcyclohexane	9.398	83	739412	67.663	ug/l	97
40) Benzene	8.392	78	16448377	597.559	ug/l	97
52) Toluene	10.433	92	31970722m	1693.824	ug/l	
67) Ethyl Benzene	11.775	91	27138622m	708.022	ug/l	
68) m/p-Xylenes	11.886	106	27922667m	1792.913	ug/l	
69) o-Xylene	12.222	106	16584863	1061.932	ug/l #	1
73) Isopropylbenzene	12.516	105	15680133	325.179	ug/l	92
78) n-propylbenzene	12.857	91	17405593	338.629	ug/l	83
80) 1,3,5-Trimethylbenzene	12.998	105	15717913	400.748	ug/l	87
84) 1,2,4-Trimethylbenzene	13.298	105	23074061m	589.120	ug/l	
85) sec-Butylbenzene	13.445	105	560252	11.975	ug/l #	59
86) p-Isopropyltoluene	13.557	119	192168m	4.822	ug/l	
89) n-Butylbenzene	13.880	91	484749	15.355	ug/l #	72
95) Naphthalene	15.427	128	18798074	405.316	ug/l	95

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

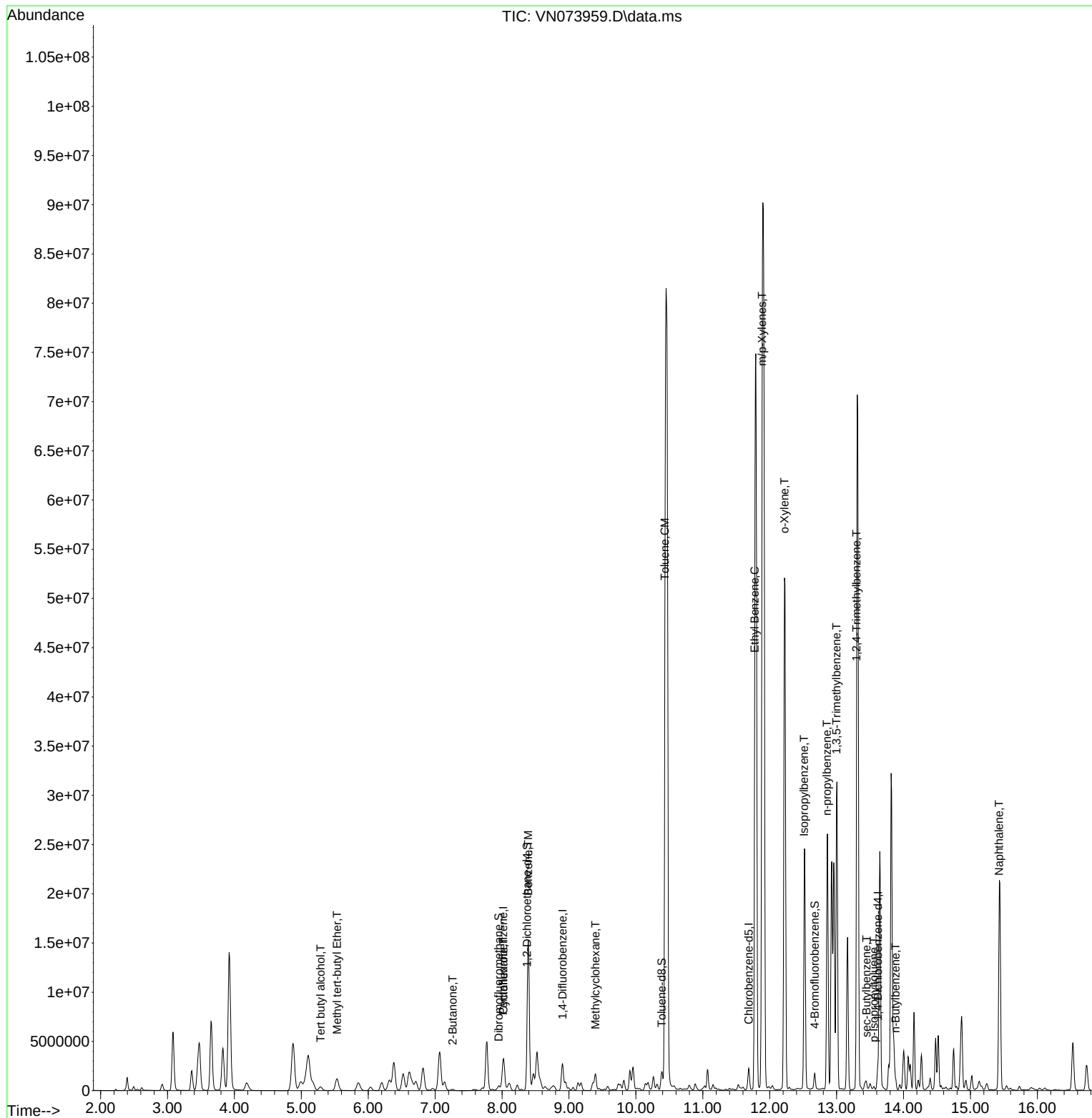
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081622\
Data File : VN073959.D
Acq On : 16 Aug 2022 19:29
Operator : JC\MD
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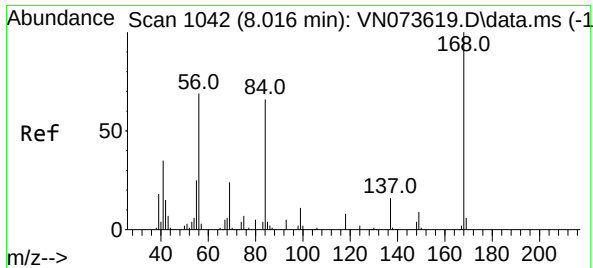
Instrument :
MSVOA_N
ClientSampleId :
MW-1

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Supervised By : Mahesh Dadoda 08/17/2022

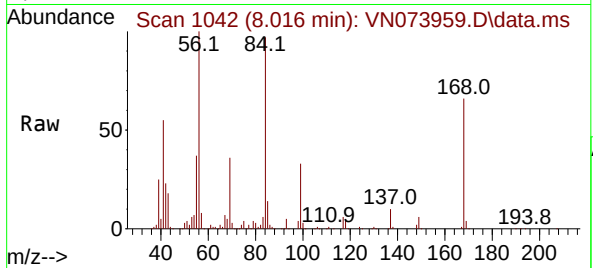
Quant Time: Aug 17 01:21:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 16 00:45:21 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

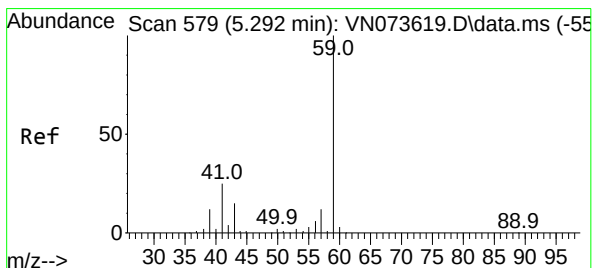
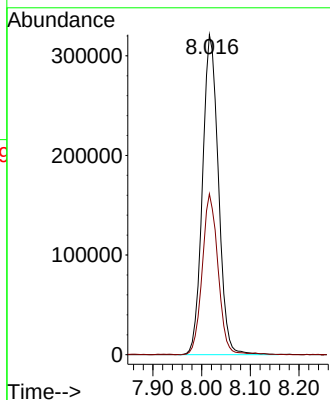
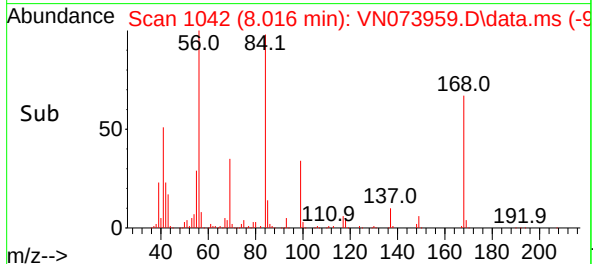
Instrument :
MSVOA_N
ClientSampleId :
MW-1



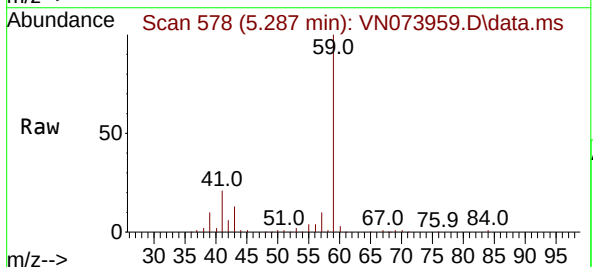
Tgt Ion:168 Resp: 72914
Ion Ratio Lower Upper
168 100
99 50.2 42.3 63.5

Manual Integrations
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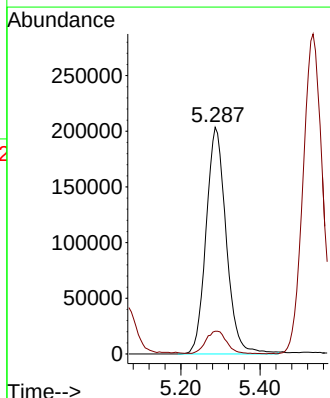
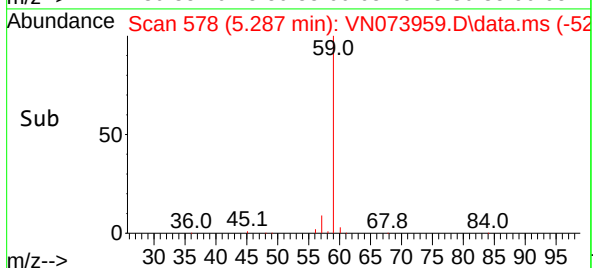
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022

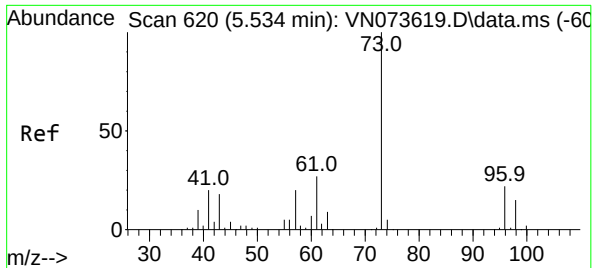


#11
Tert butyl alcohol
Concen: 450.577 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29



Tgt Ion: 59 Resp: 715770
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5





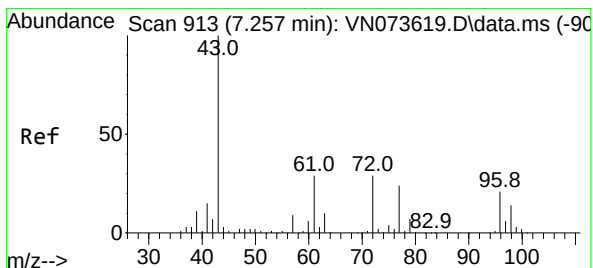
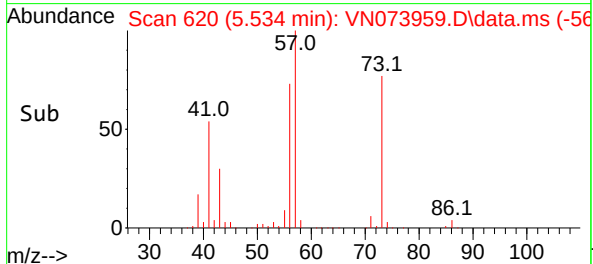
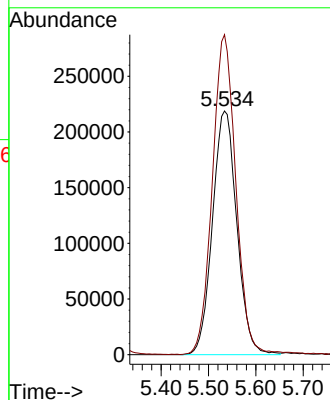
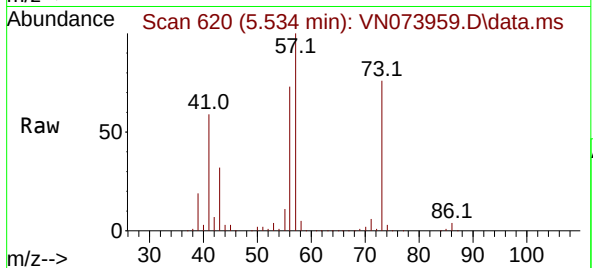
#19
Methyl tert-butyl Ether
Concen: 37.766 ug/l
RT: 5.534 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion: 73 Resp: 782730
Ion Ratio Lower Upper
73 100
57 131.2 17.6 26.4

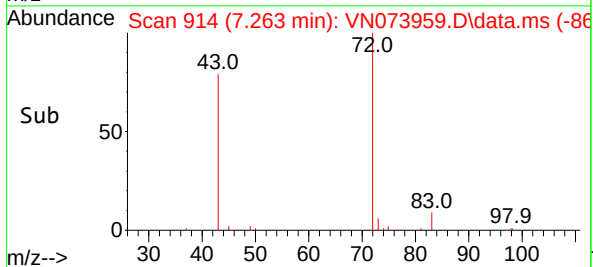
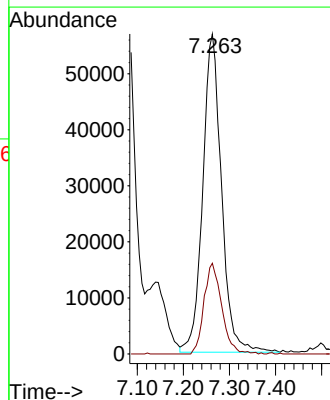
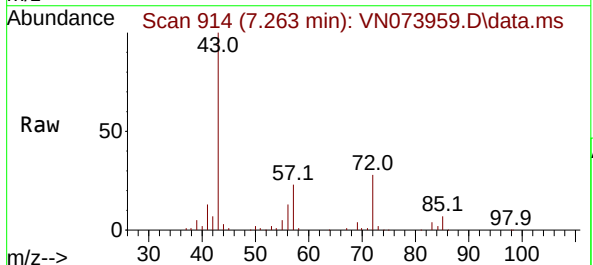
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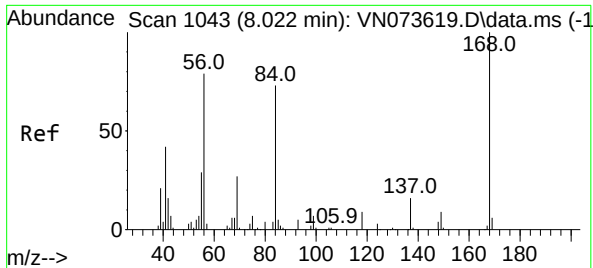
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#25
2-Butanone
Concen: 30.337 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

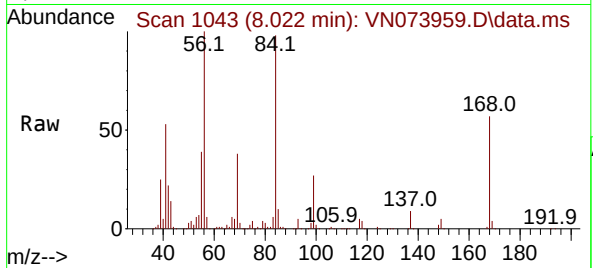
Tgt Ion: 43 Resp: 161170
Ion Ratio Lower Upper
43 100
72 28.5 23.7 35.5





#31
Cyclohexane
Concen: 141.940 ug/l
RT: 8.022 min Scan# 1103
Delta R.T. -0.000 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

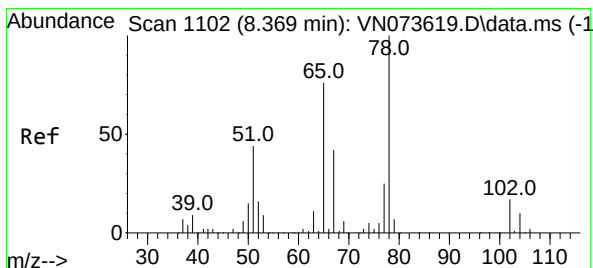
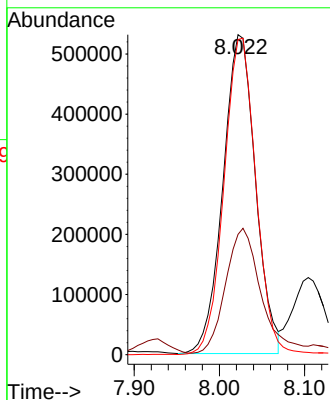
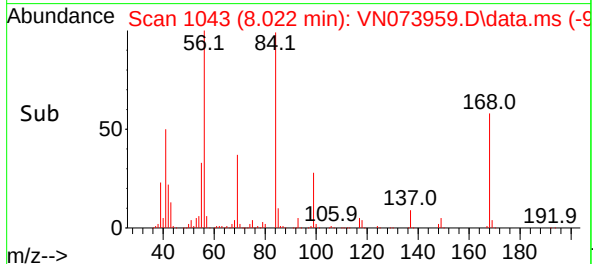
Instrument :
MSVOA_N
ClientSampleId :
MW-1



Tgt Ion: 56 Resp: 140523
Ion Ratio Lower Upper
56 100
69 36.2 27.8 41.8
84 98.8 76.9 115.3

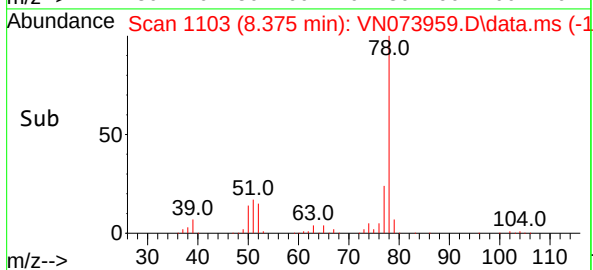
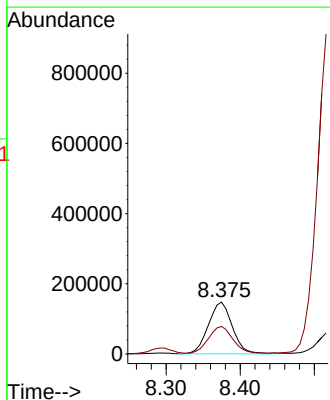
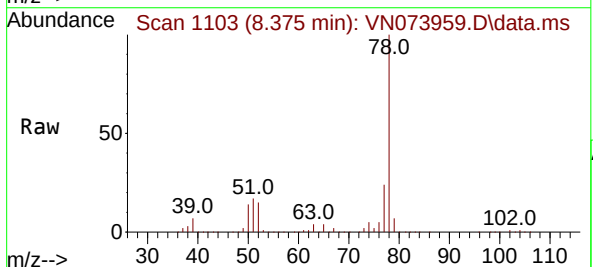
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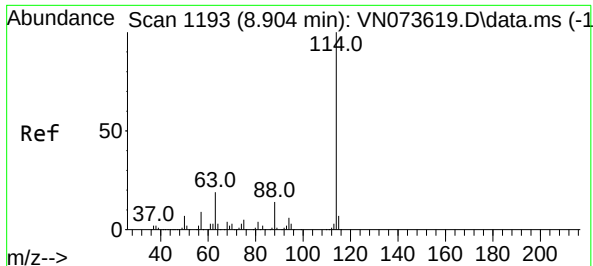
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#33
1,2-Dichloroethane-d4
Concen: 46.538 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

Tgt Ion: 65 Resp: 330502
Ion Ratio Lower Upper
65 100
67 52.5 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: VN073959.D

Acq: 16 Aug 2022 19:29

Instrument :

MSVOA_N

ClientSampleId :

MW-1

Tgt Ion:114 Resp: 1061738

Ion Ratio Lower Upper

114 100

63 19.3 0.0 40.0

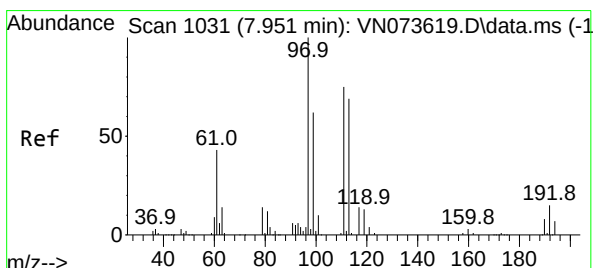
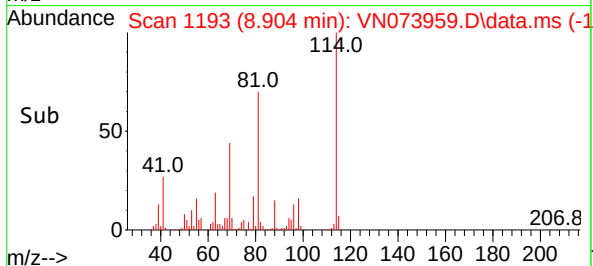
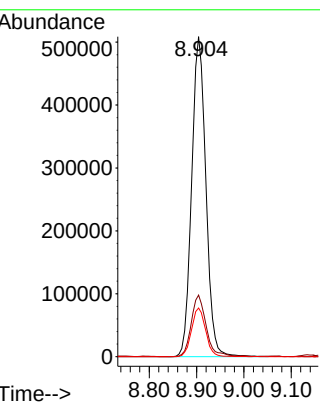
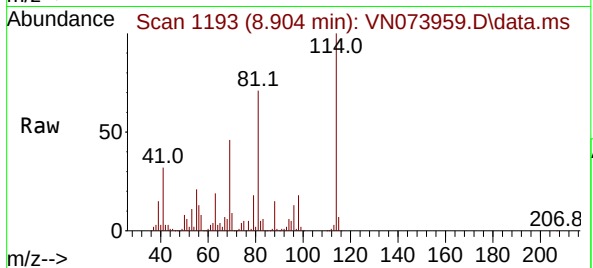
88 15.2 0.0 32.6

Manual Integrations

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Supervised By :Mahesh Dadoda 08/17/2022



#35

Dibromofluoromethane

Concen: 51.973 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073959.D

Acq: 16 Aug 2022 19:29

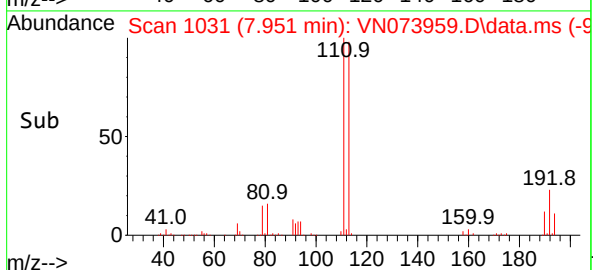
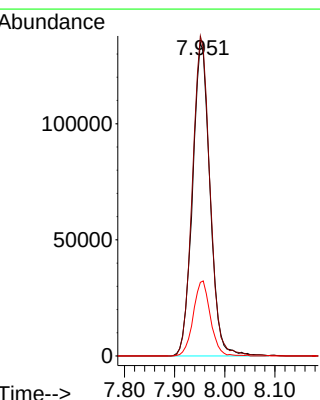
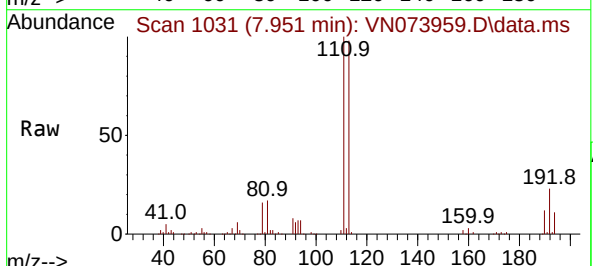
Tgt Ion:113 Resp: 326336

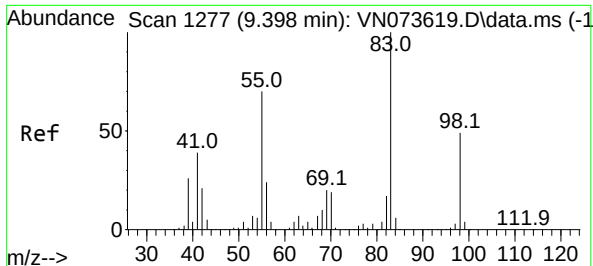
Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 23.5 17.0 25.6





#39

Methylcyclohexane

Concen: 67.663 ug/l

RT: 9.398 min Scan# 1106

Delta R.T. 0.000 min

Lab File: VN073959.D

Acq: 16 Aug 2022 19:29

Instrument :

MSVOA_N

ClientSampleId :

MW-1

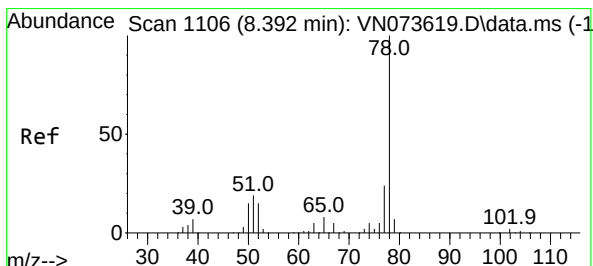
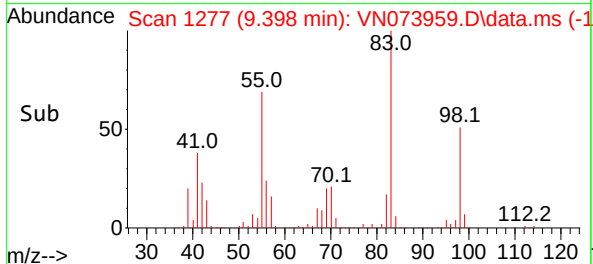
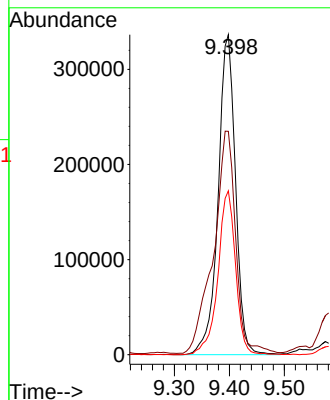
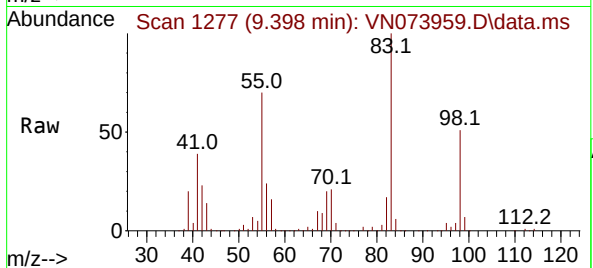
Tgt Ion: 83 Resp: 739412
 Ion Ratio Lower Upper
 83 100
 55 69.4 57.8 86.8
 98 51.2 39.4 59.2

Manual Integrations

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Supervised By :Mahesh Dadoda 08/17/2022



#40

Benzene

Concen: 597.559 ug/l

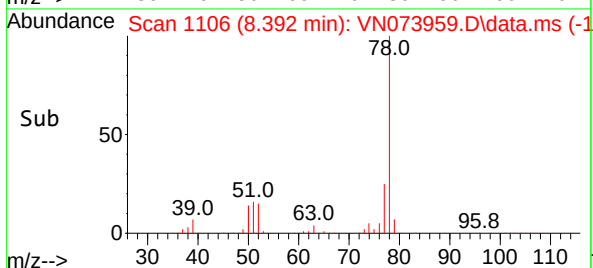
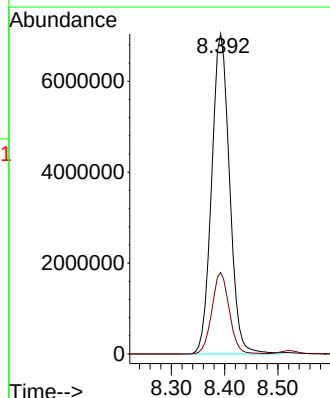
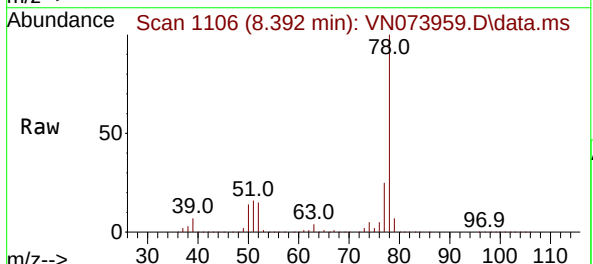
RT: 8.392 min Scan# 1106

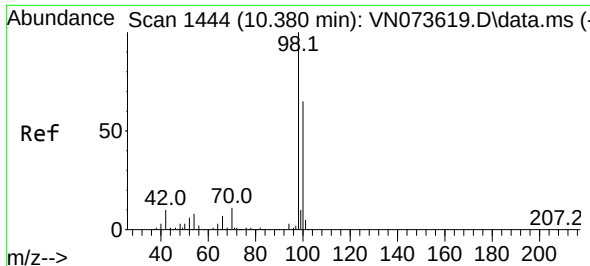
Delta R.T. 0.000 min

Lab File: VN073959.D

Acq: 16 Aug 2022 19:29

Tgt Ion: 78 Resp:16448377
 Ion Ratio Lower Upper
 78 100
 77 25.5 19.4 29.0





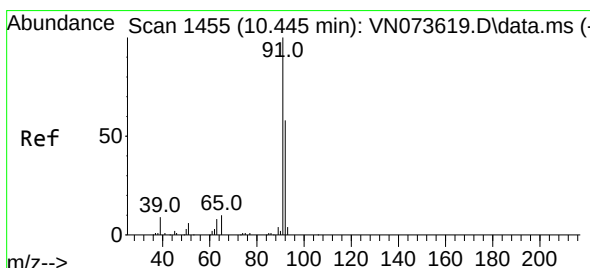
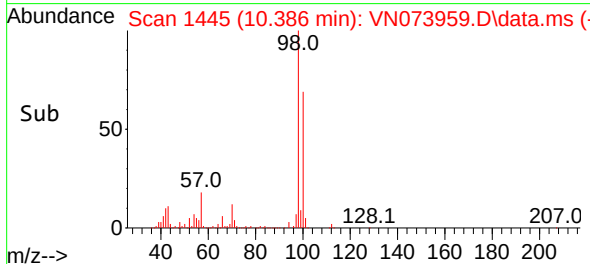
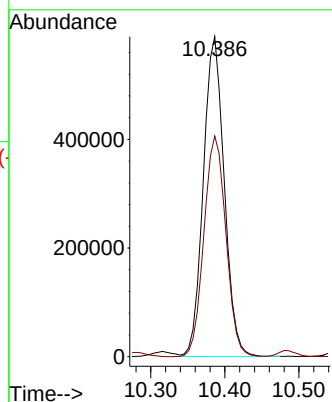
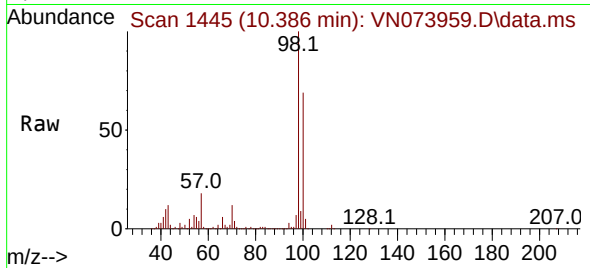
#50
Toluene-d8
Concen: 47.362 ug/l
RT: 10.386 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion: 98 Resp: 1151750
Ion Ratio Lower Upper
98 100
100 72.7 52.6 78.8

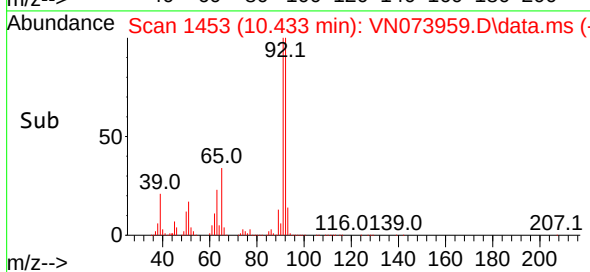
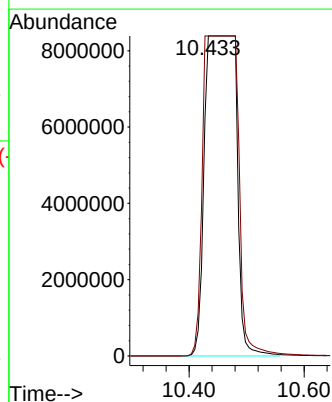
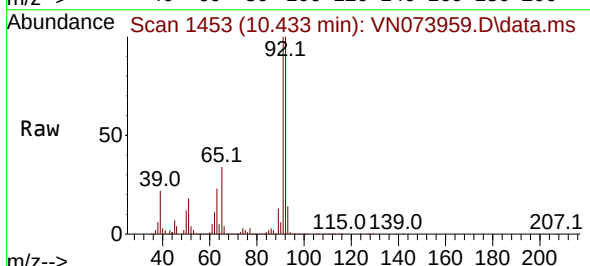
Manual Integrations
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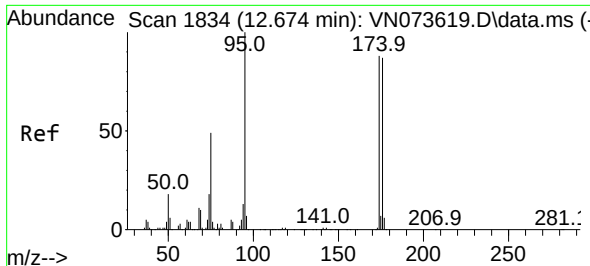
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#52
Toluene
Concen: 1693.824 ug/l m
RT: 10.433 min Scan# 1453
Delta R.T. -0.012 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

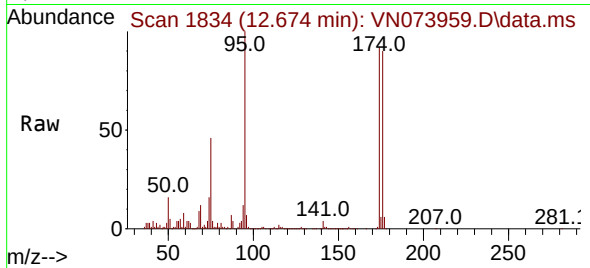
Tgt Ion: 92 Resp:31970722
Ion Ratio Lower Upper
92 100
91 0.0 138.6 207.8#





#62
4-Bromofluorobenzene
Concen: 67.848 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

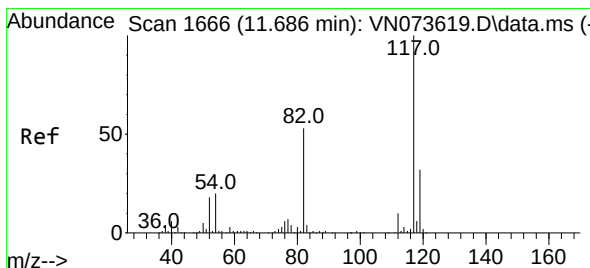
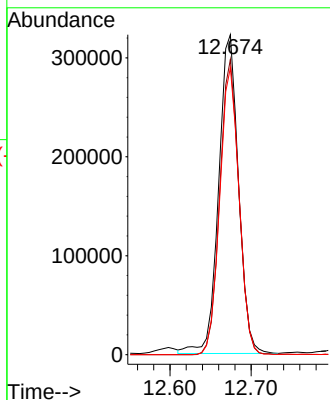
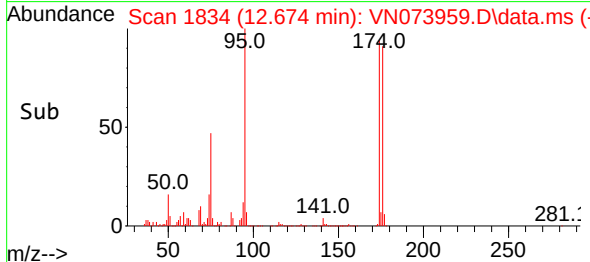
Instrument :
MSVOA_N
ClientSampleId :
MW-1



Tgt Ion: 95 Resp: 54758
Ion Ratio Lower Upper
95 100
174 89.2 0.0 167.6
176 87.4 0.0 163.4

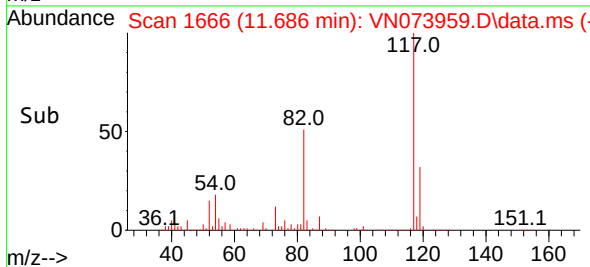
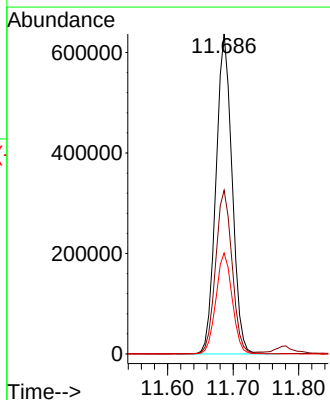
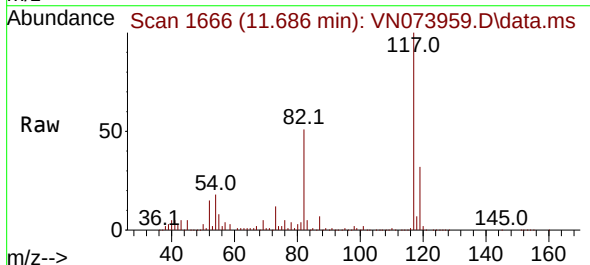
Manual Integrations
APPROVED

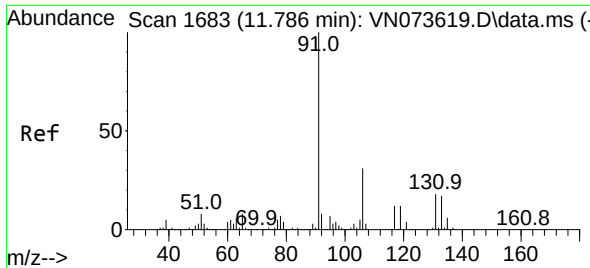
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

Tgt Ion:117 Resp: 1084496
Ion Ratio Lower Upper
117 100
82 51.0 44.2 66.2
119 31.5 25.4 38.0





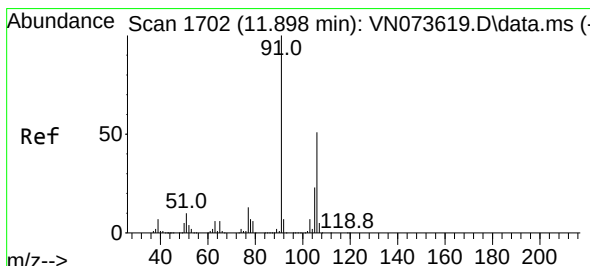
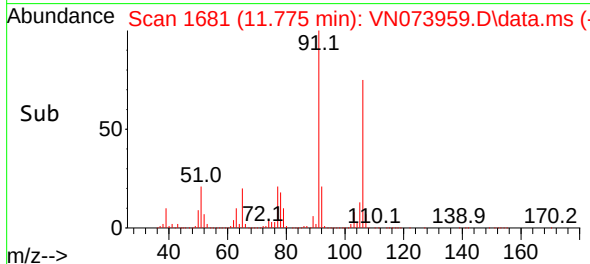
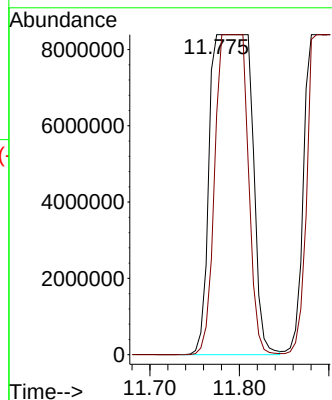
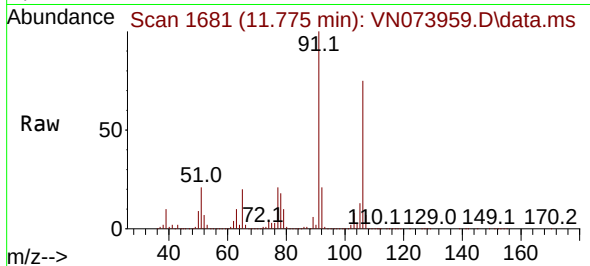
#67
Ethyl Benzene
Concen: 708.022 ug/l m
RT: 11.775 min Scan# 110
Delta R.T. -0.011 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion: 91 Resp:2713862
Ion Ratio Lower Upper
91 100
106 75.2 24.9 37.3#

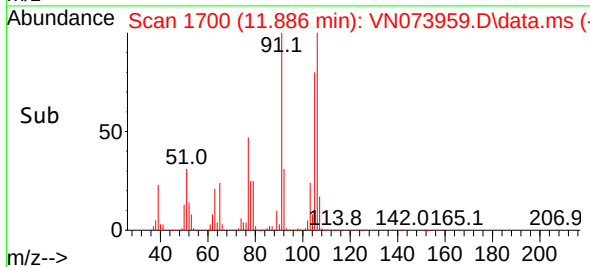
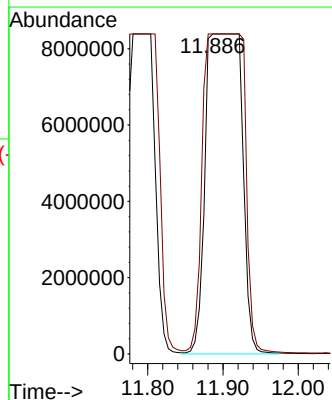
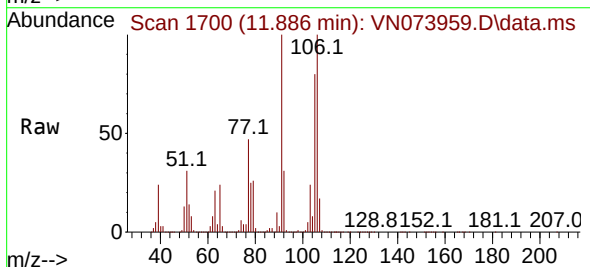
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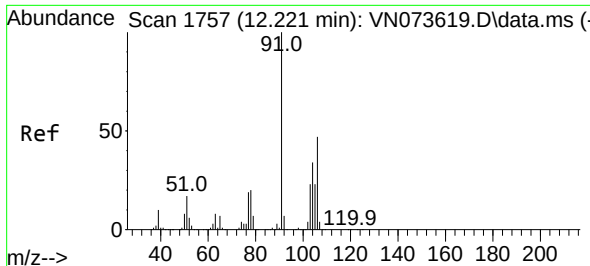
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#68
m/p-Xylenes
Concen: 1792.913 ug/l m
RT: 11.886 min Scan# 1700
Delta R.T. -0.012 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

Tgt Ion:106 Resp:27922667
Ion Ratio Lower Upper
106 100
91 0.0 158.9 238.3#





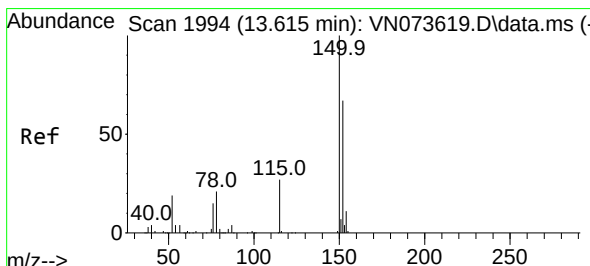
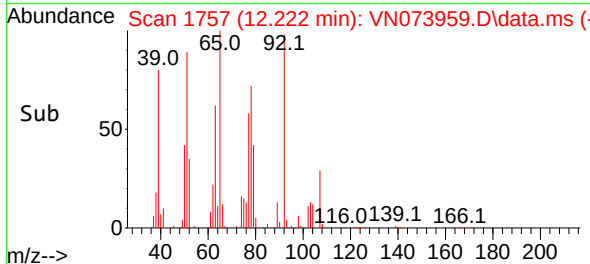
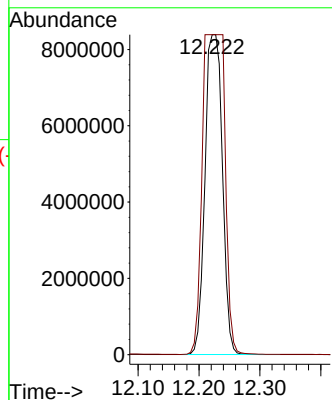
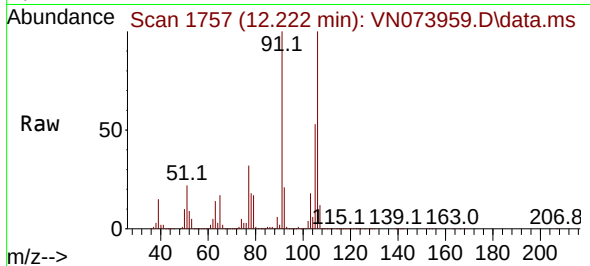
#69
o-Xylene
Concen: 1061.932 ug/l
RT: 12.222 min Scan# 1757
Delta R.T. 0.001 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

Instrument :
MSVOA_N
ClientSampleId :
MW-1

Tgt Ion:106 Resp:1658486
Ion Ratio Lower Upper
106 100
91 0.0 106.0 318.0

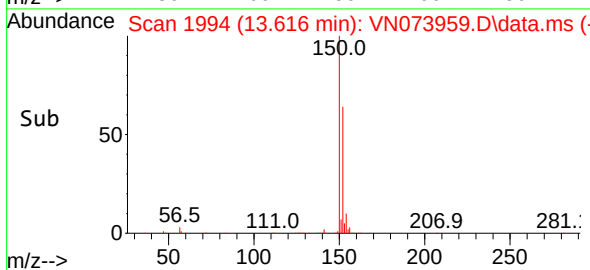
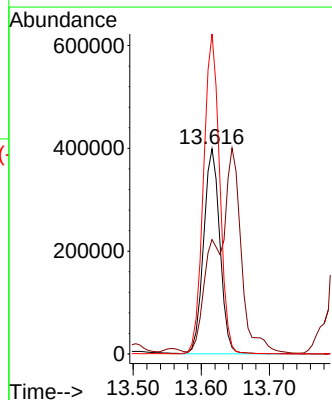
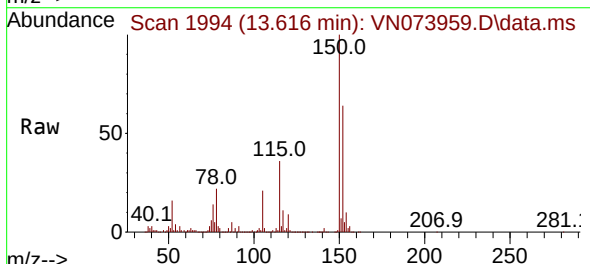
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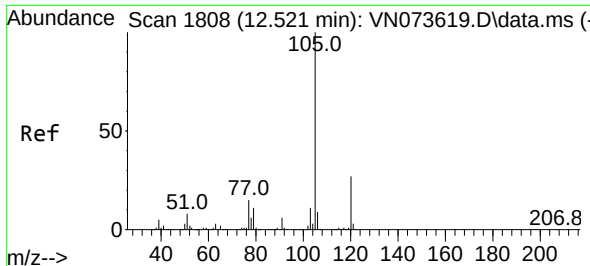
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.001 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

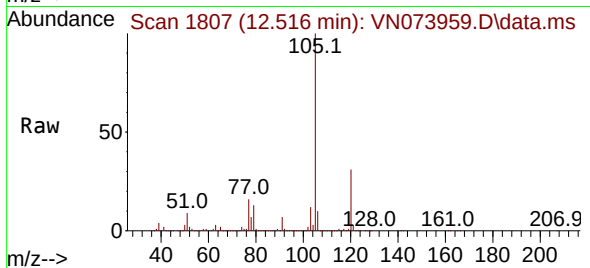
Tgt Ion:152 Resp: 662209
Ion Ratio Lower Upper
152 100
115 54.9 28.9 86.7
150 154.5 0.0 356.2





#73
Isopropylbenzene
Concen: 325.179 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. -0.005 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

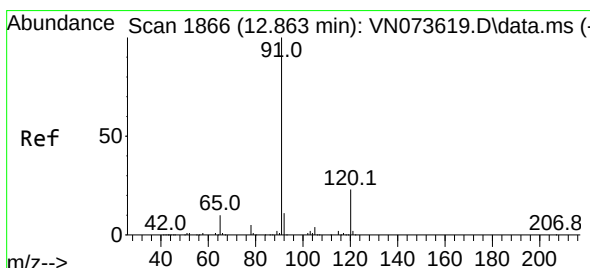
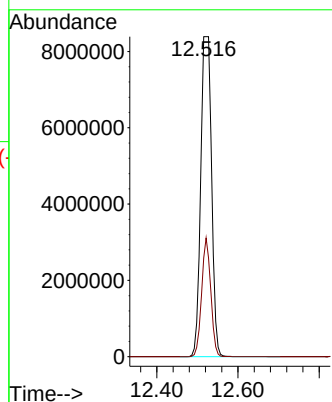
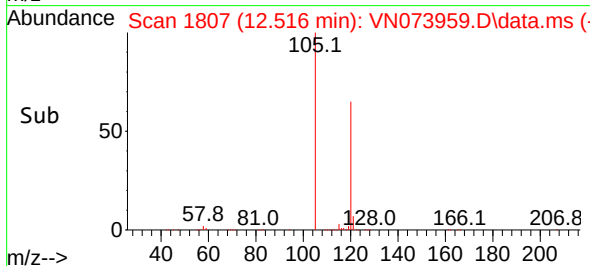
Instrument :
MSVOA_N
ClientSampleId :
MW-1



Tgt Ion:105 Resp:1568013
Ion Ratio Lower Upper
105 100
120 31.0 13.5 40.4

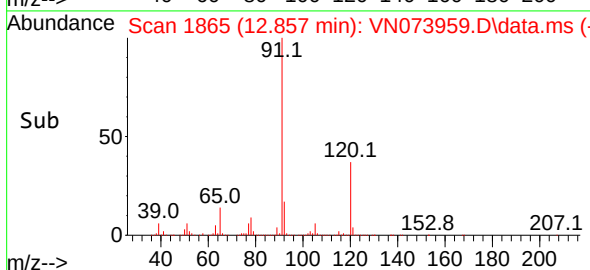
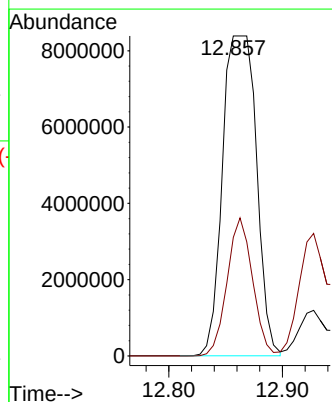
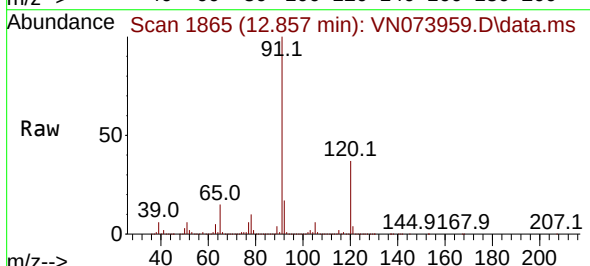
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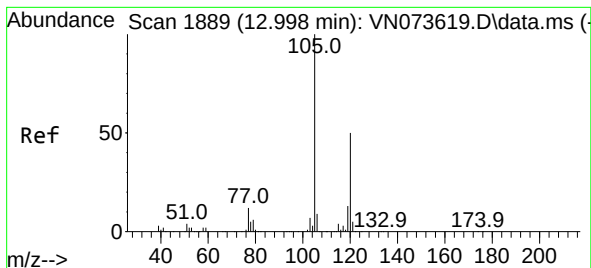
Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#78
n-propylbenzene
Concen: 338.629 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

Tgt Ion: 91 Resp:17405593
Ion Ratio Lower Upper
91 100
120 32.3 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 400.748 ug/l

RT: 12.998 min Scan# 1889

Delta R.T. -0.000 min

Lab File: VN073959.D

Acq: 16 Aug 2022 19:29

Instrument :

MSVOA_N

ClientSampleId :

MW-1

Tgt Ion:105 Resp:1571791

Ion Ratio Lower Upper

105 100

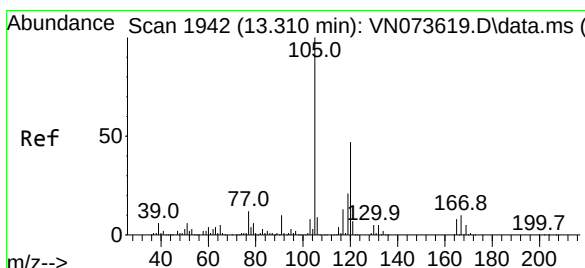
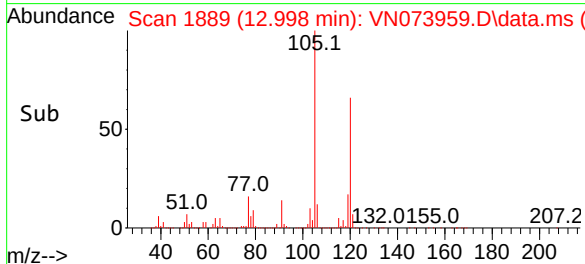
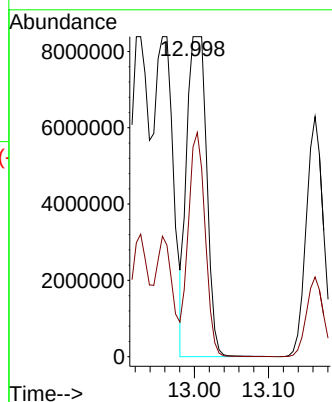
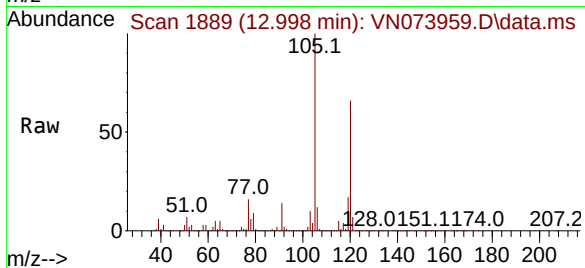
120 59.0 24.9 74.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/17/2022

Supervised By :Mahesh Dadoda 08/17/2022



#84

1,2,4-Trimethylbenzene

Concen: 589.120 ug/l m

RT: 13.298 min Scan# 1940

Delta R.T. -0.012 min

Lab File: VN073959.D

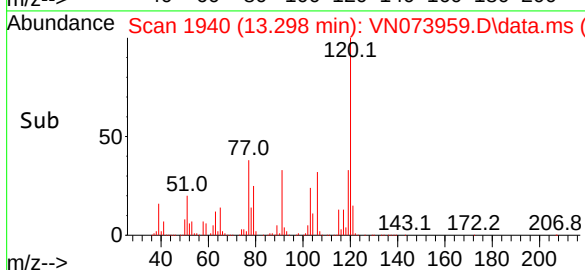
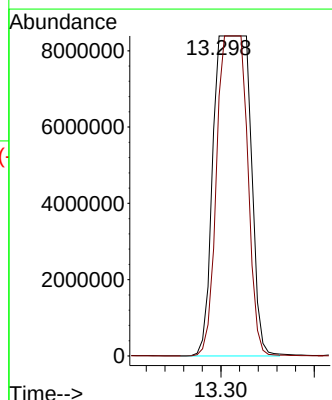
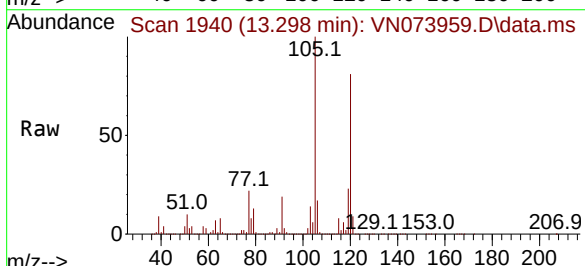
Acq: 16 Aug 2022 19:29

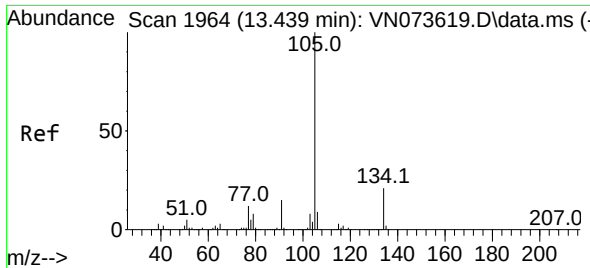
Tgt Ion:105 Resp:23074061

Ion Ratio Lower Upper

105 100

120 14.2 23.3 69.8#





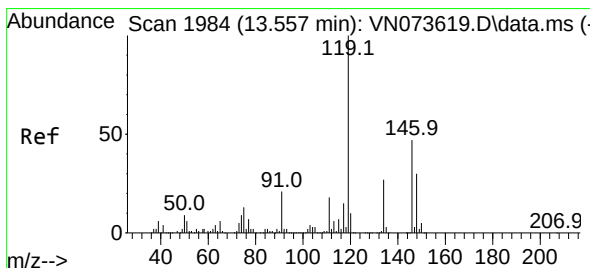
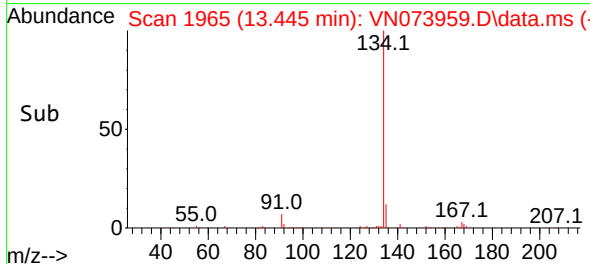
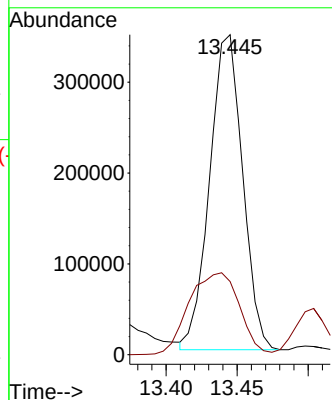
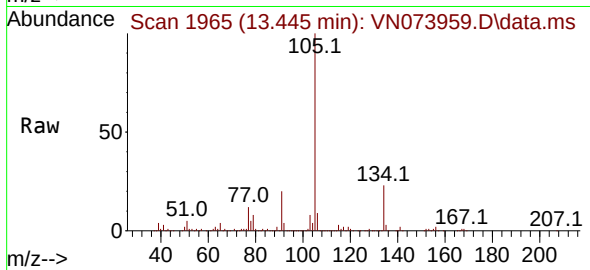
#85
 sec-Butylbenzene
 Concen: 11.975 ug/l
 RT: 13.445 min Scan# 1965
 Delta R.T. 0.006 min
 Lab File: VN073959.D
 Acq: 16 Aug 2022 19:29

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Tgt Ion:105 Resp: 560252
 Ion Ratio Lower Upper
 105 100
 134 39.7 10.4 31.1

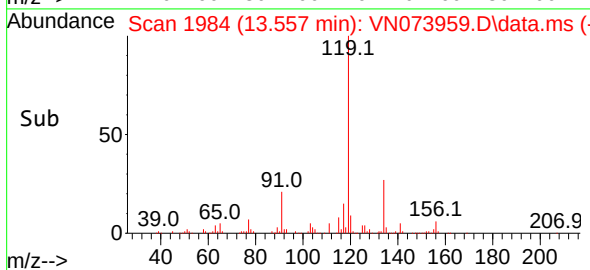
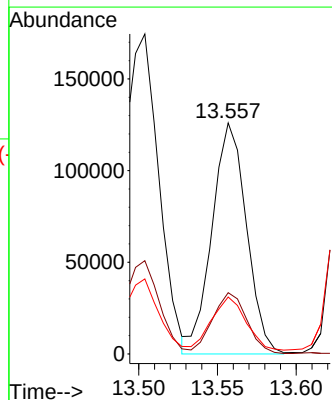
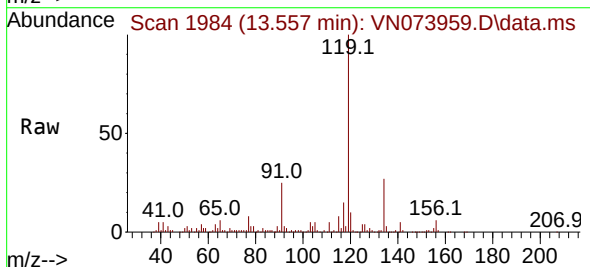
Manual Integrations
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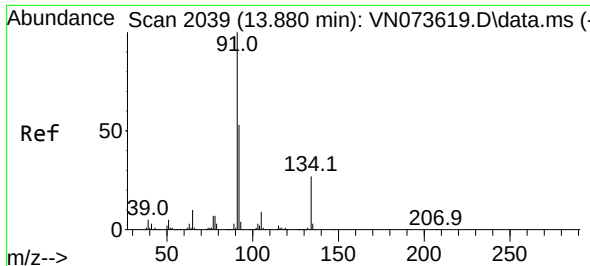
Reviewed By :John Carlone 08/17/2022
 Supervised By :Mahesh Dadoda 08/17/2022



#86
 p-Isopropyltoluene
 Concen: 4.822 ug/l m
 RT: 13.557 min Scan# 1984
 Delta R.T. -0.000 min
 Lab File: VN073959.D
 Acq: 16 Aug 2022 19:29

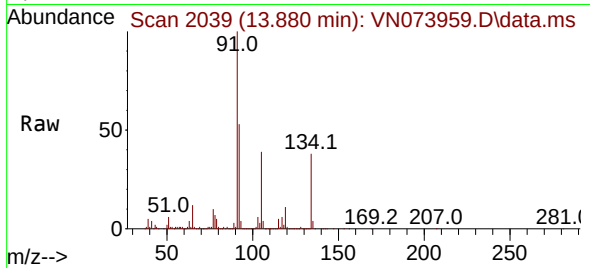
Tgt Ion:119 Resp: 192168
 Ion Ratio Lower Upper
 119 100
 134 41.3 13.3 39.8#
 91 0.0 11.3 33.9#





#89
n-Butylbenzene
Concen: 15.355 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

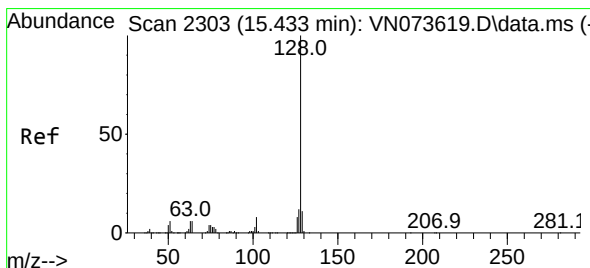
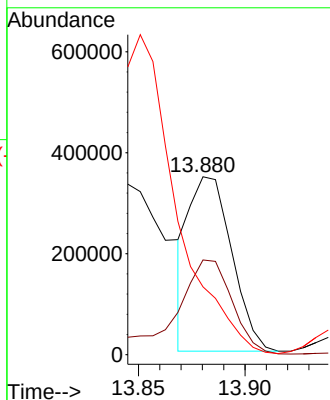
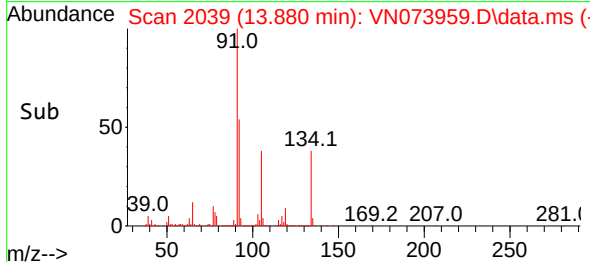
Instrument :
MSVOA_N
ClientSampleId :
MW-1



Tgt Ion: 91 Resp: 484749
Ion Ratio Lower Upper
91 100
92 65.2 26.9 80.7
134 0.0 13.6 40.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/17/2022
Supervised By :Mahesh Dadoda 08/17/2022



#95
Naphthalene
Concen: 405.316 ug/l
RT: 15.427 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN073959.D
Acq: 16 Aug 2022 19:29

Tgt Ion:128 Resp:18798074
Ion Ratio Lower Upper
128 100
127 15.0 10.3 15.5
129 12.9 8.6 13.0

