

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062022\
 Data File : VN072961.D
 Acq On : 20 Jun 2022 15:04
 Operator : JC\MD
 Sample : N3357-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/21/2022
 Supervised By : Mahesh Dadoda 06/21/2022

Quant Time: Jun 21 05:55:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	323140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	518516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	491351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	264252	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	189259	43.321	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.640%		
35) Dibromofluoromethane	7.951	113	163375	50.977	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.960%		
50) Toluene-d8	10.375	98	553899	46.447	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.900%		
62) 4-Bromofluorobenzene	12.669	95	251905	58.743	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	117.480%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.293	59	39768	35.239	ug/l	98
16) Acetone	4.246	43	9640	4.014	ug/l	94
19) Methyl tert-butyl Ether	5.540	73	12209	1.051	ug/l #	1
25) 2-Butanone	7.275	43	5338	1.401	ug/l	89
31) Cyclohexane	8.016	56	32534	5.505	ug/l #	80
39) Methylcyclohexane	9.392	83	57826	11.063	ug/l	87
40) Benzene	8.387	78	26016	1.909	ug/l	98
52) Toluene	10.439	92	102166	12.210	ug/l	98
67) Ethyl Benzene	11.780	91	17032652	1008.319	ug/l	91
68) m/p-Xylenes	11.892	106	7701713	1162.460	ug/l	94
69) o-Xylene	12.216	106	499377	75.431	ug/l	96
73) Isopropylbenzene	12.516	105	1026558	50.215	ug/l	99
78) n-propylbenzene	12.857	91	4799252	213.429	ug/l	98
80) 1,3,5-Trimethylbenzene	12.992	105	4205113	250.418	ug/l	97
84) 1,2,4-Trimethylbenzene	13.298	105	17626586	1053.875	ug/l	95
85) sec-Butylbenzene	13.433	105	244822m	11.933	ug/l	
86) p-Isopropyltoluene	13.551	119	97164	5.850	ug/l #	78
89) n-Butylbenzene	13.874	91	334548	24.667	ug/l #	65
95) Naphthalene	15.427	128	9861812	483.090	ug/l	99

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

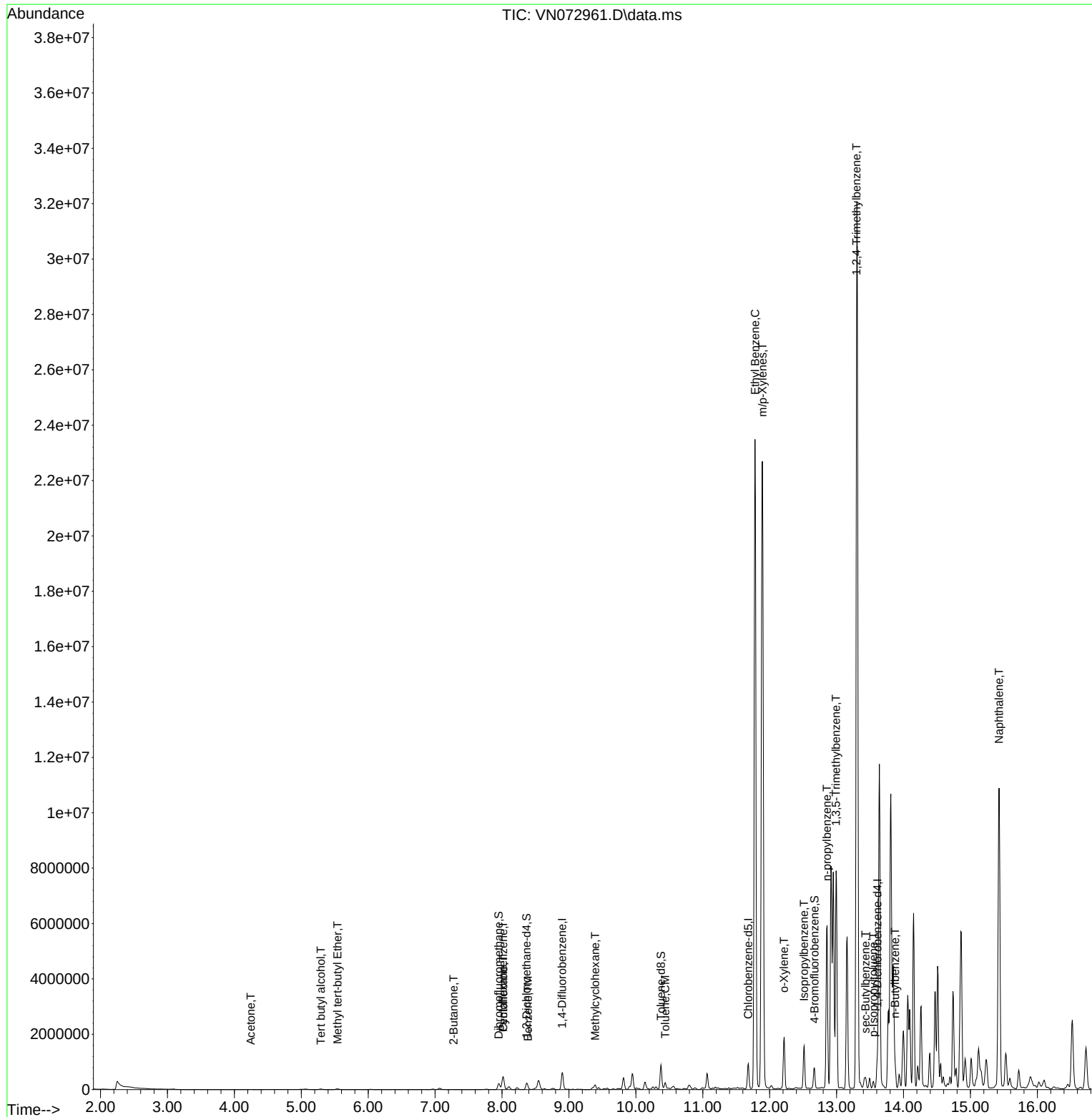
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062022\
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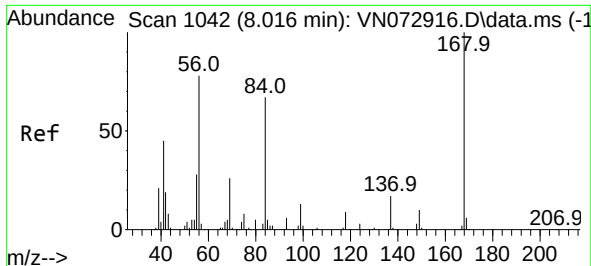
Instrument :
MSVOA_N
ClientSampleId :
MW-14

Quant Time: Jun 21 05:55:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 18 06:22:45 2022
Response via : Initial Calibration

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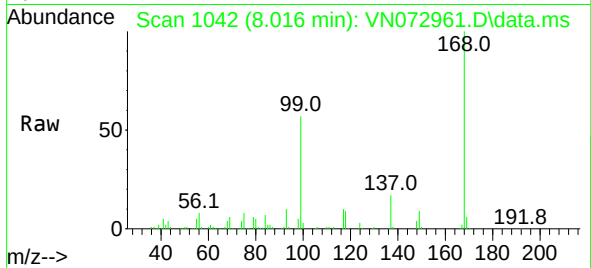
Reviewed By :John Carlone 06/21/2022
Supervised By :Mahesh Dadoda 06/21/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

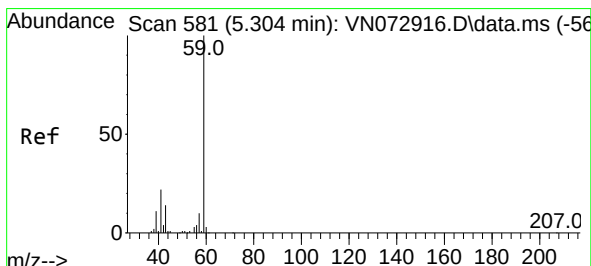
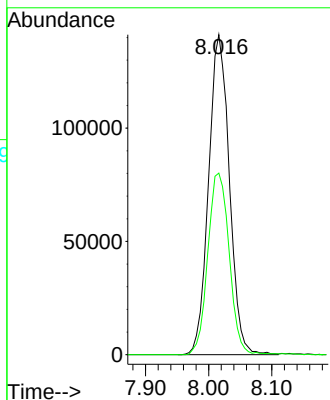
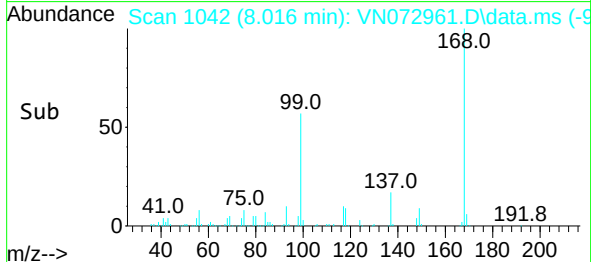
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion:168 Resp: 323140
Ion Ratio Lower Upper
168 100
99 56.7 42.3 63.5

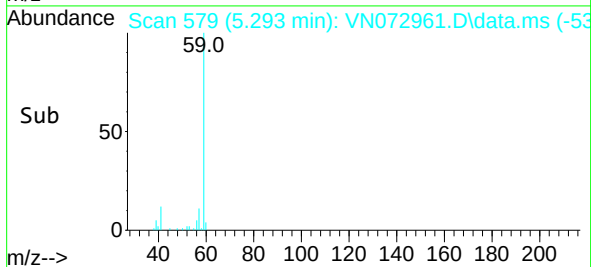
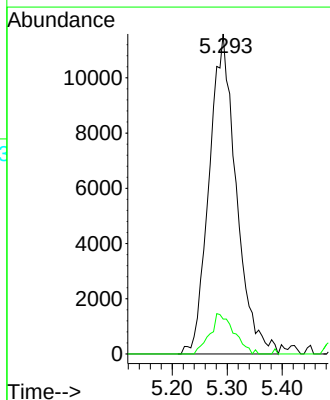
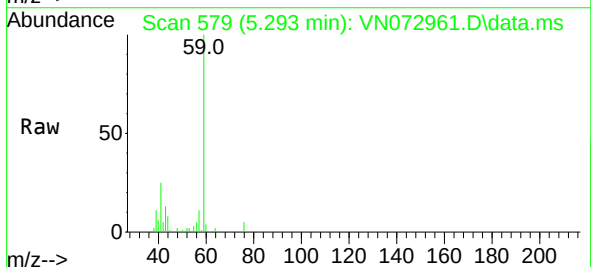
Manual Integrations
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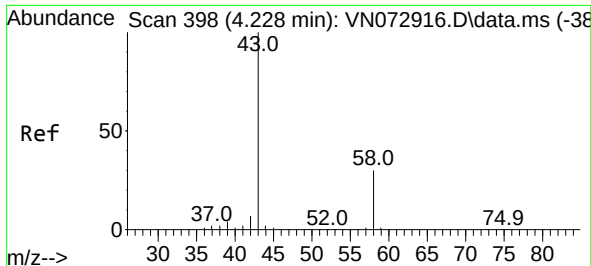
Reviewed By :John Carlone 06/21/2022
Supervised By :Mahesh Dadoda 06/21/2022



#11
Tert butyl alcohol
Concen: 35.239 ug/l
RT: 5.293 min Scan# 579
Delta R.T. -0.012 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

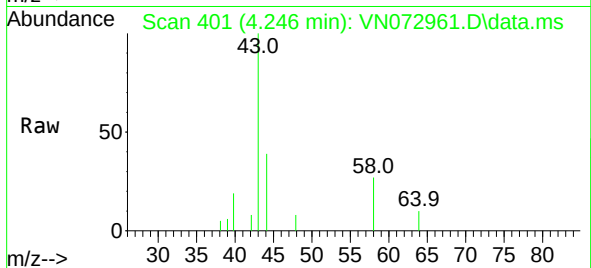
Tgt Ion: 59 Resp: 39768
Ion Ratio Lower Upper
59 100
57 11.2 8.3 12.5





#16
Acetone
Concen: 4.014 ug/l
RT: 4.246 min Scan# 401
Delta R.T. 0.018 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

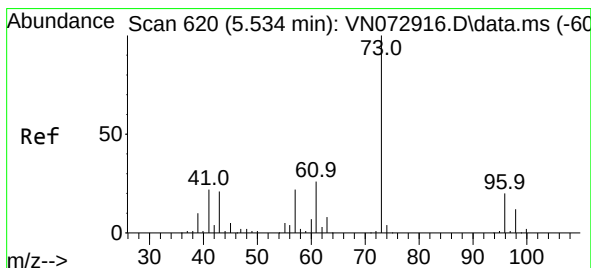
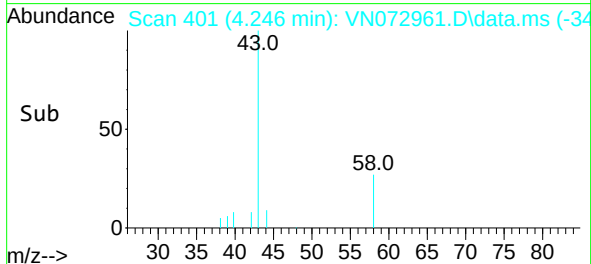
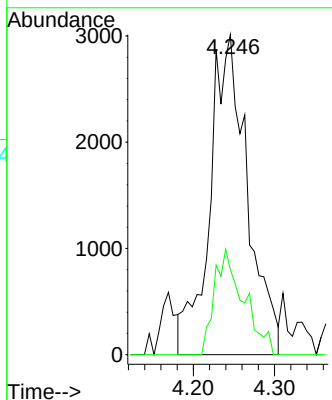
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion: 43 Resp: 9640
Ion Ratio Lower Upper
43 100
58 29.2 26.0 39.0

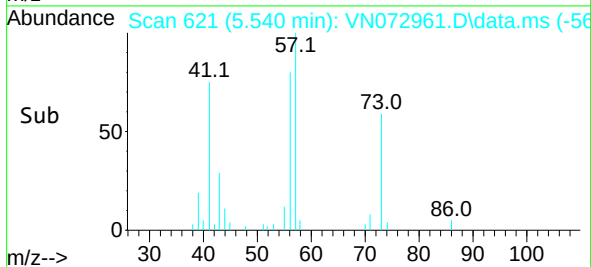
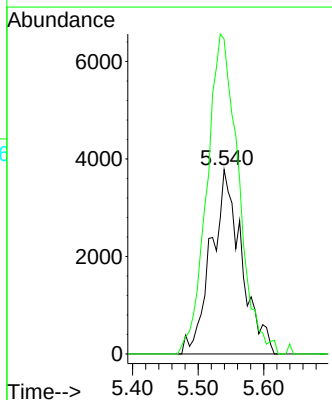
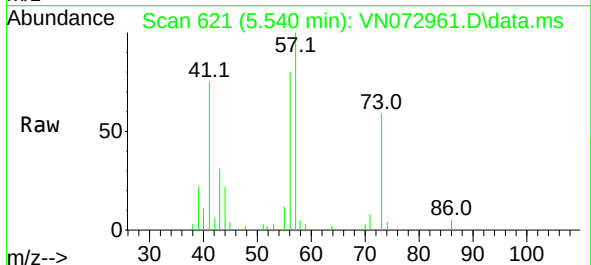
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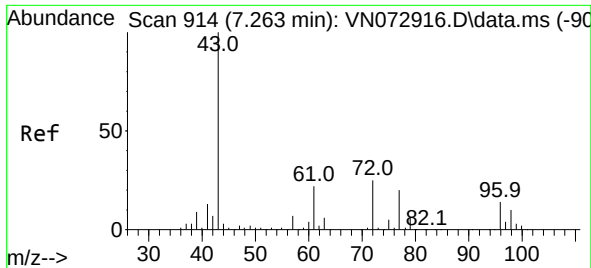
Reviewed By :John Carlone 06/21/2022
Supervised By :Mahesh Dadoda 06/21/2022



#19
Methyl tert-butyl Ether
Concen: 1.051 ug/l
RT: 5.540 min Scan# 621
Delta R.T. 0.006 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

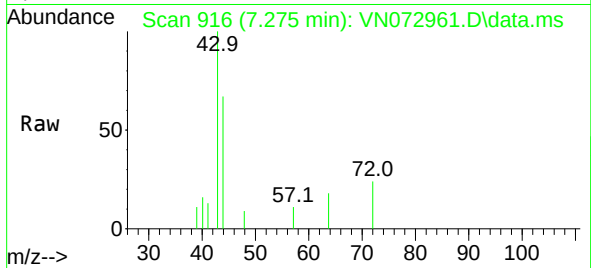
Tgt Ion: 73 Resp: 12209
Ion Ratio Lower Upper
73 100
57 170.7 17.6 26.4#





#25
2-Butanone
Concen: 1.401 ug/l
RT: 7.275 min Scan# 914
Delta R.T. 0.012 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

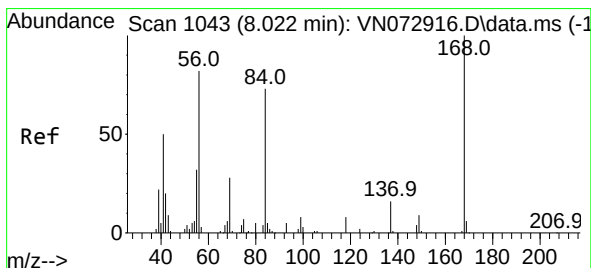
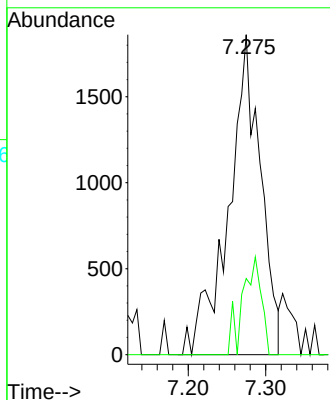
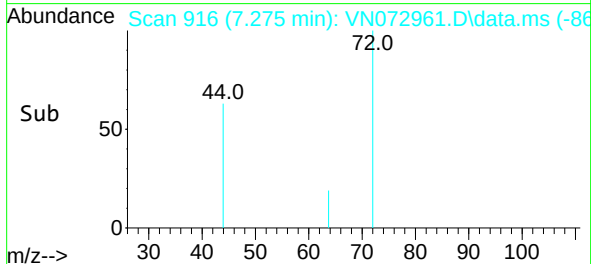
Instrument :
MSVOA_N
ClientSampleId :
MW-14



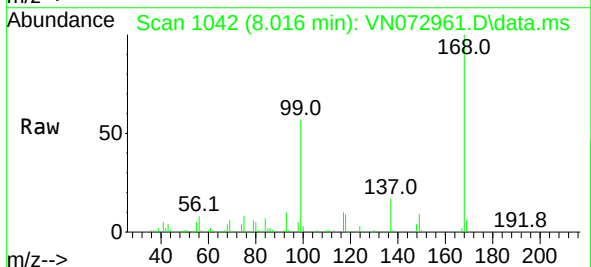
Tgt Ion: 43 Resp: 5338
Ion Ratio Lower Upper
43 100
72 23.8 23.7 35.5

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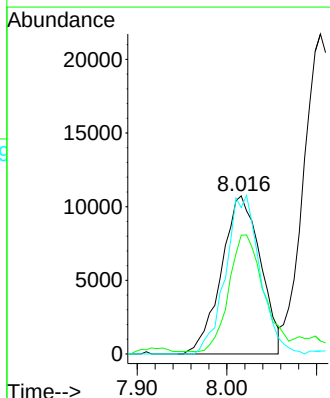
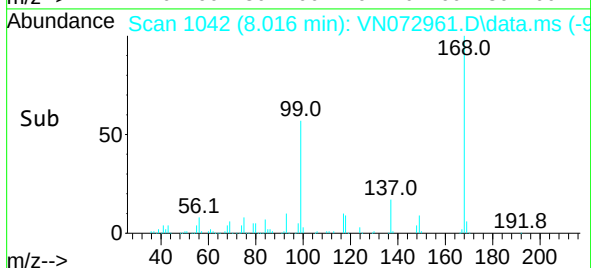
Reviewed By :John Carlone 06/21/2022
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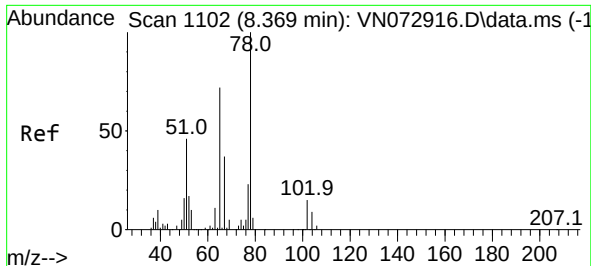


#31
Cyclohexane
Concen: 5.505 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04



Tgt Ion: 56 Resp: 32534
Ion Ratio Lower Upper
56 100
69 73.5 27.8 41.8#
84 92.5 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 43.321 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN072961.D

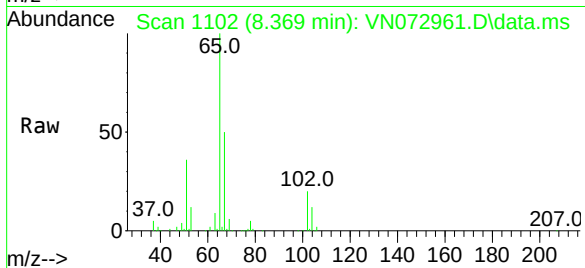
Acq: 20 Jun 2022 15:04

Instrument :

MSVOA_N

ClientSampleId :

MW-14



Tgt Ion: 65 Resp: 18925

Ion Ratio Lower Upper

65 100

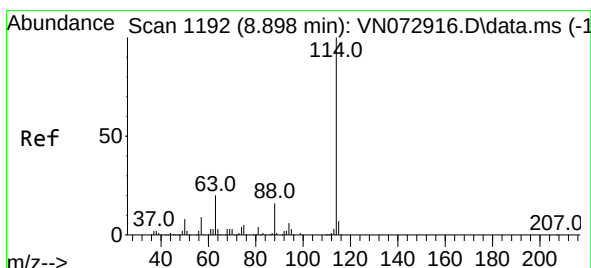
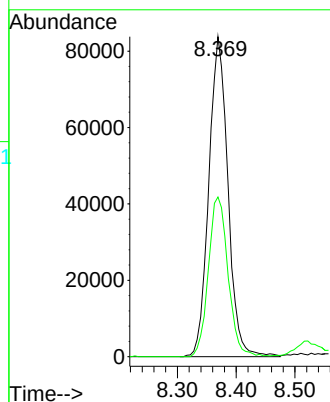
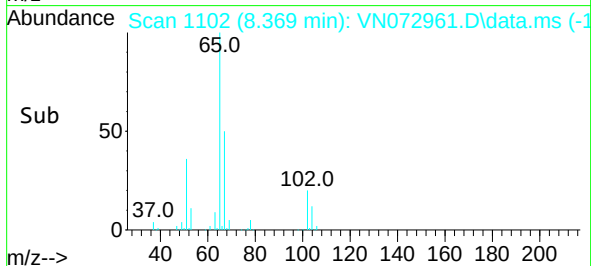
67 51.4 0.0 104.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN072961.D

Acq: 20 Jun 2022 15:04

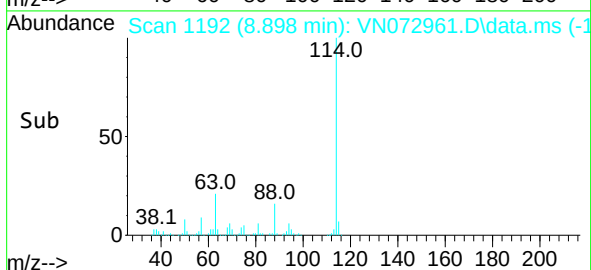
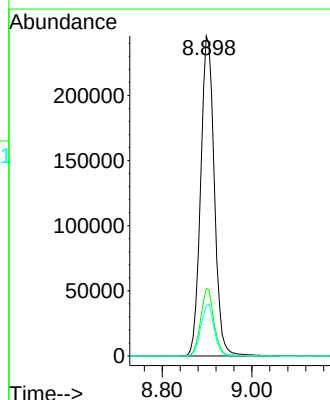
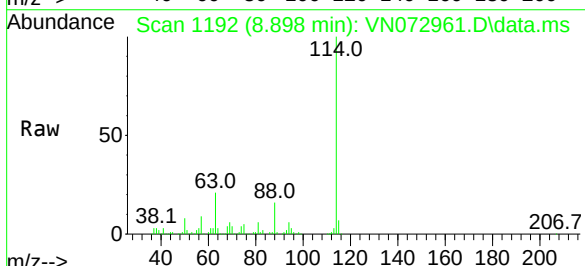
Tgt Ion:114 Resp: 518516

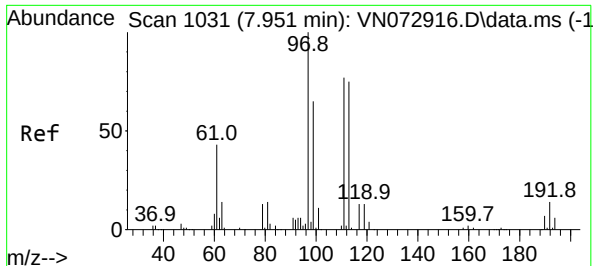
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.0

88 15.6 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.977 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN072961.D

Acq: 20 Jun 2022 15:04

Instrument :

MSVOA_N

ClientSampleId :

MW-14

Tgt Ion: 113 Resp: 16337

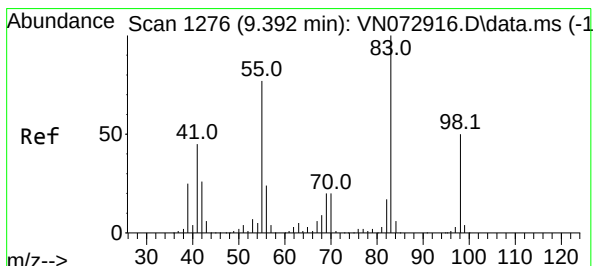
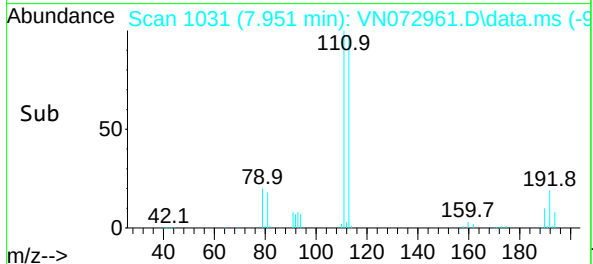
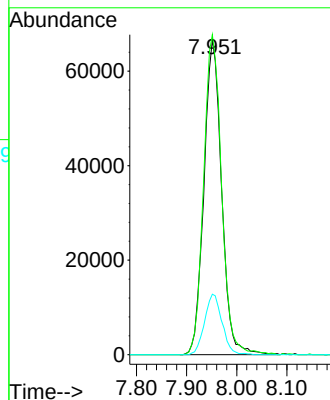
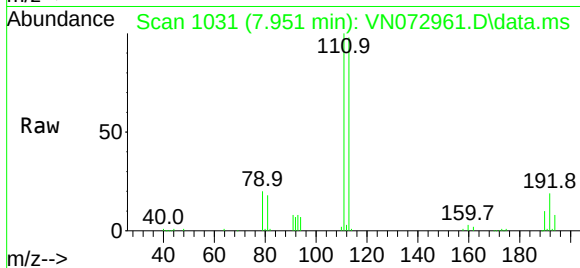
Ion	Ratio	Lower	Upper
113	100		
111	103.1	81.4	122.0
192	19.0	17.0	25.6

Manual Integrations

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Supervised By :Mahesh Dadoda 06/21/2022



#39

Methylcyclohexane

Concen: 11.063 ug/l

RT: 9.392 min Scan# 1276

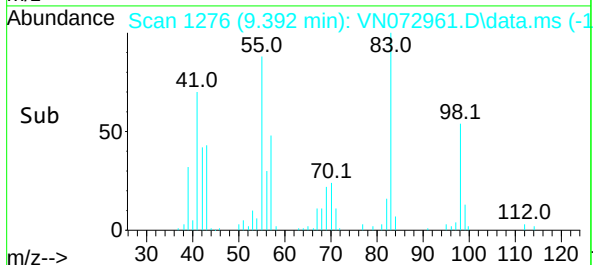
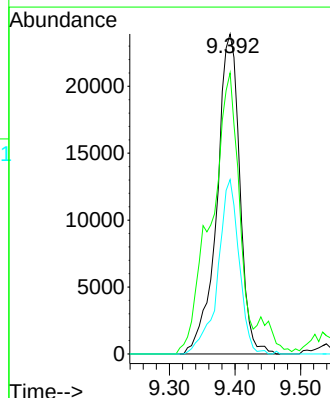
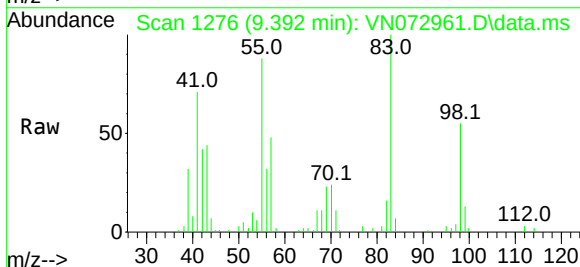
Delta R.T. 0.000 min

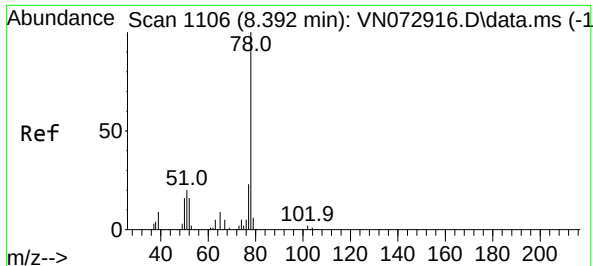
Lab File: VN072961.D

Acq: 20 Jun 2022 15:04

Tgt Ion: 83 Resp: 57826

Ion	Ratio	Lower	Upper
83	100		
55	86.0	57.8	86.8
98	54.5	39.4	59.2





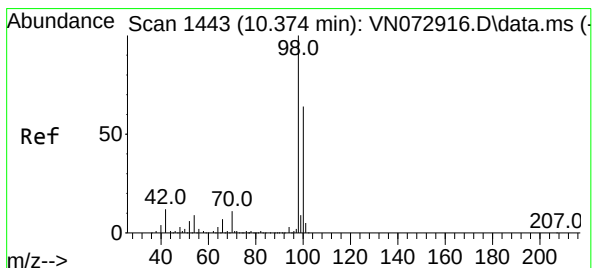
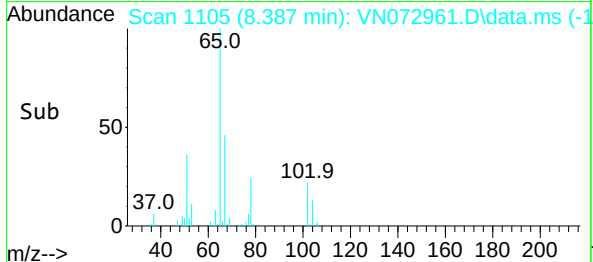
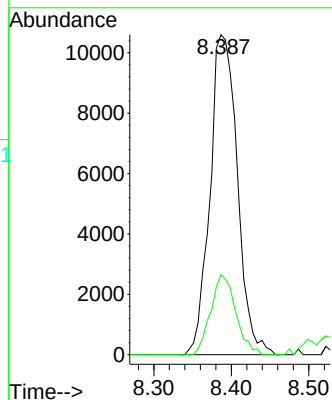
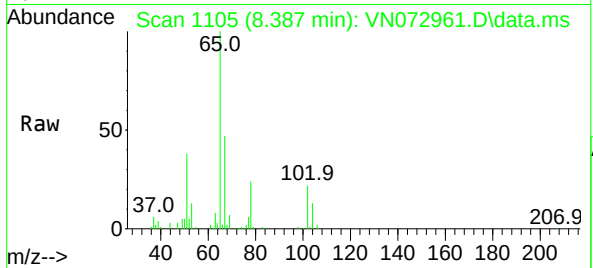
#40
Benzene
Concen: 1.909 ug/l
RT: 8.387 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

Instrument :
MSVOA_N
ClientSampleId :
MW-14

Tgt Ion: 78 Resp: 26010
Ion Ratio Lower Upper
78 100
77 25.0 19.4 29.0

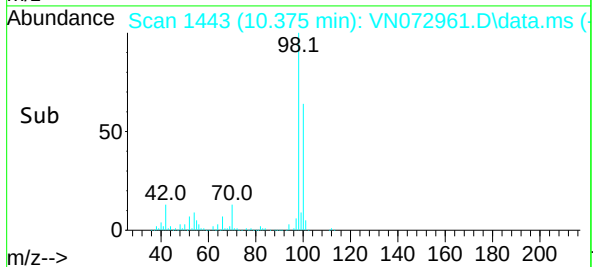
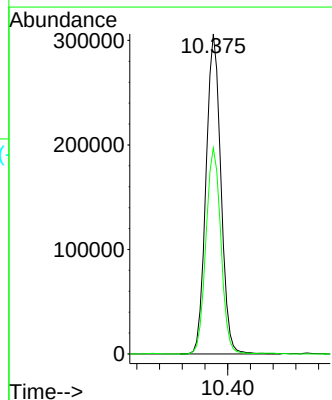
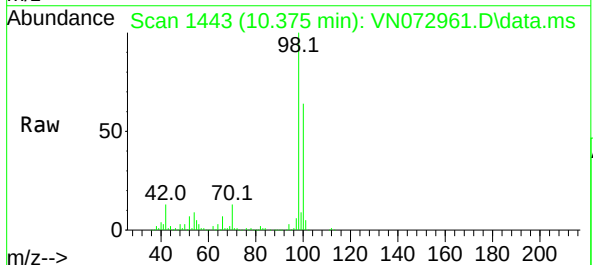
Manual Integrations
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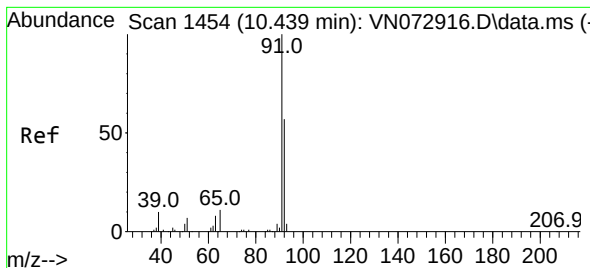
Reviewed By :John Carlone 06/21/2022
Supervised By :Mahesh Dadoda 06/21/2022



#50
Toluene-d8
Concen: 46.447 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

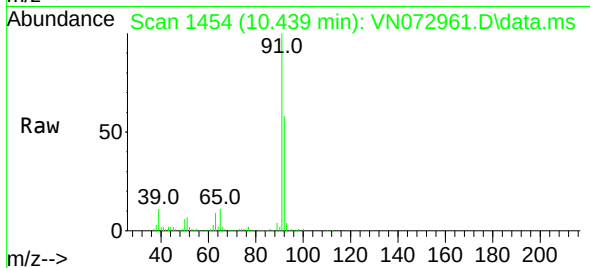
Tgt Ion: 98 Resp: 553899
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8





#52
Toluene
Concen: 12.210 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. 0.000 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

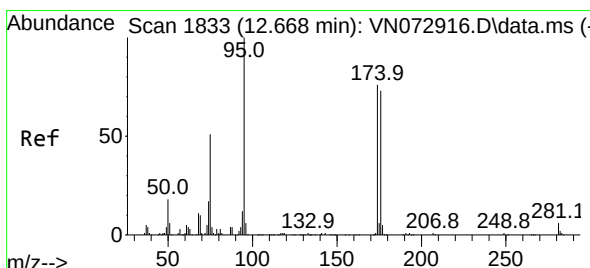
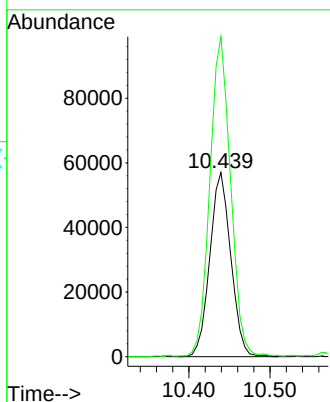
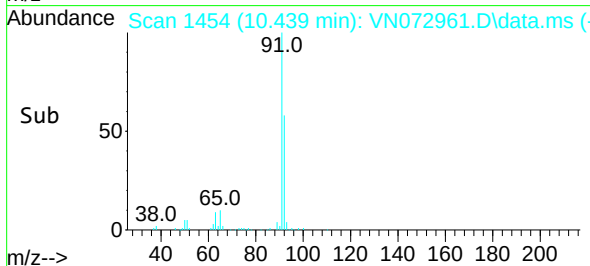
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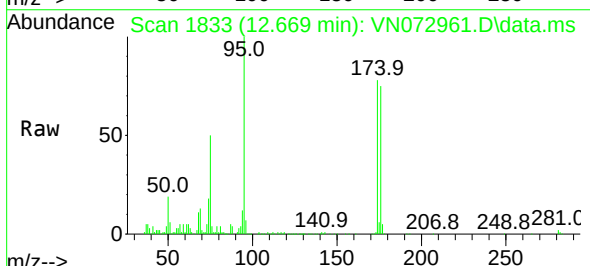
Tgt Ion: 92 Resp: 102160
Ion Ratio Lower Upper
92 100
91 170.8 138.6 207.8

Manual Integrations
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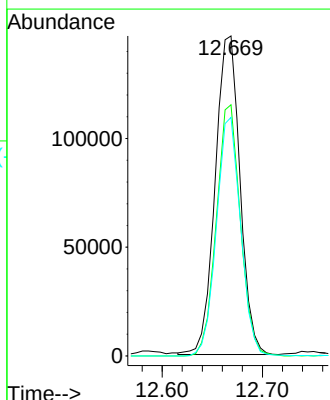
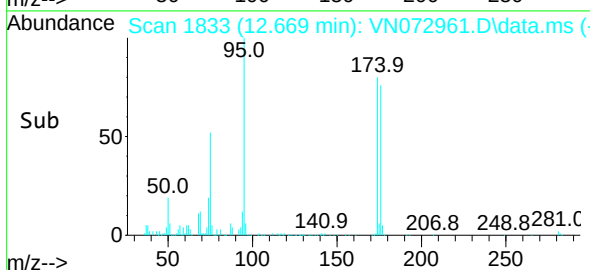
Reviewed By :John Carlone 06/21/2022
Supervised By :Mahesh Dadoda 06/21/2022

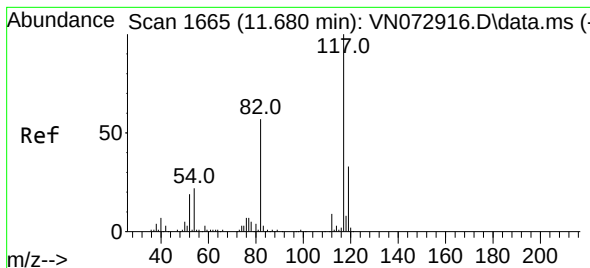


#62
4-Bromofluorobenzene
Concen: 58.743 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04



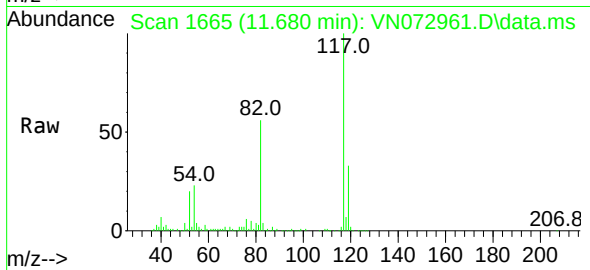
Tgt Ion: 95 Resp: 251905
Ion Ratio Lower Upper
95 100
174 76.2 0.0 167.6
176 72.8 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

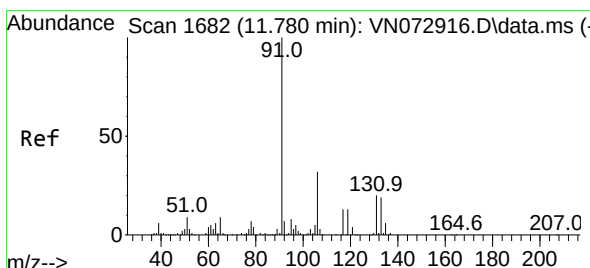
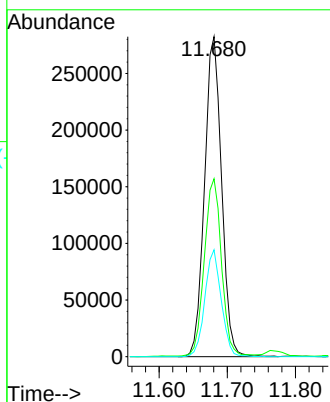
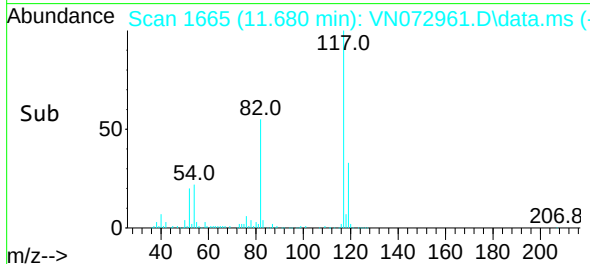
Instrument :
MSVOA_N
ClientSampleId :
MW-14



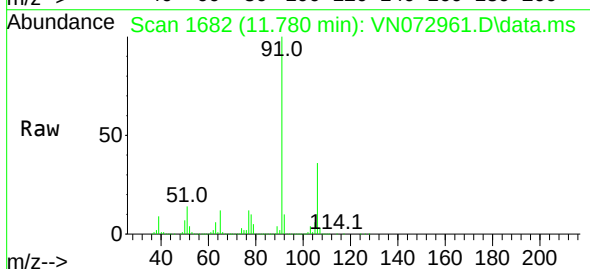
Tgt Ion: 117 Resp: 491352
Ion Ratio Lower Upper
117 100
82 55.4 44.2 66.2
119 33.4 25.4 38.0

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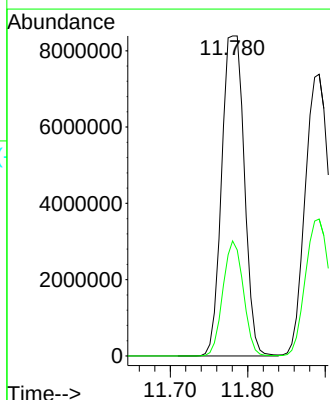
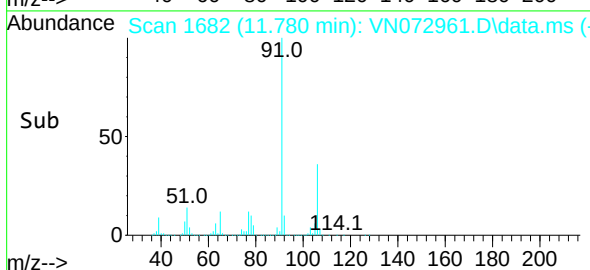
Reviewed By :John Carlone 06/21/2022
Supervised By :Mahesh Dadoda 06/21/2022

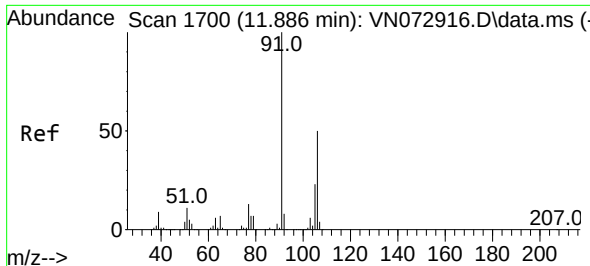


#67
Ethyl Benzene
Concen: 1008.319 ug/l
RT: 11.780 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04



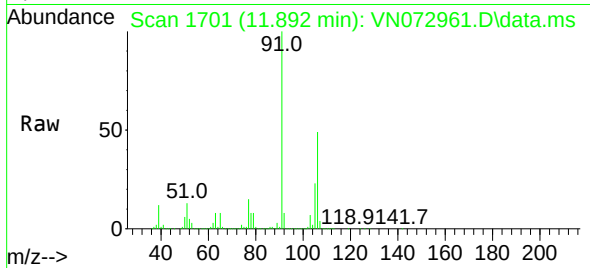
Tgt Ion: 91 Resp: 17032652
Ion Ratio Lower Upper
91 100
106 36.0 24.9 37.3





#68
m/p-Xylenes
Concen: 1162.460 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

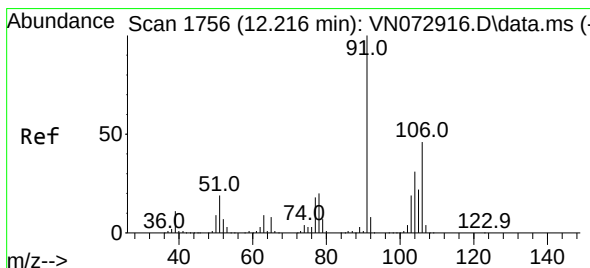
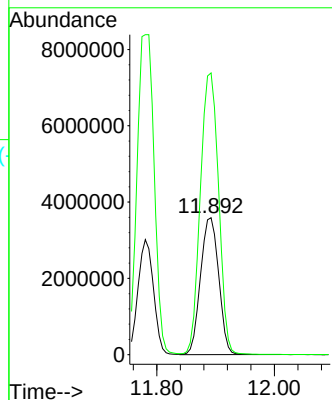
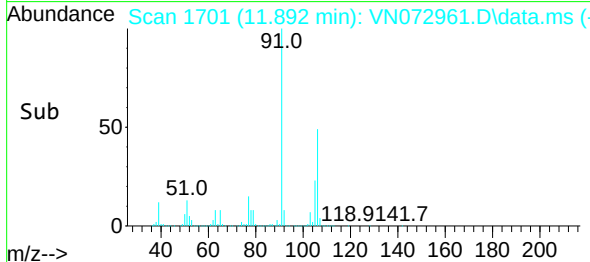
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion:106 Resp: 770171
Ion Ratio Lower Upper
106 100
91 207.0 158.9 238.3

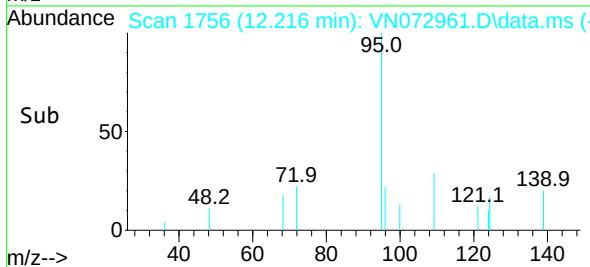
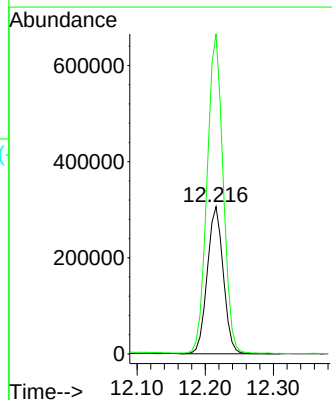
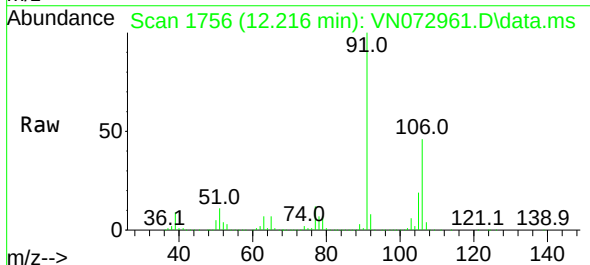
Manual Integrations
APPROVED

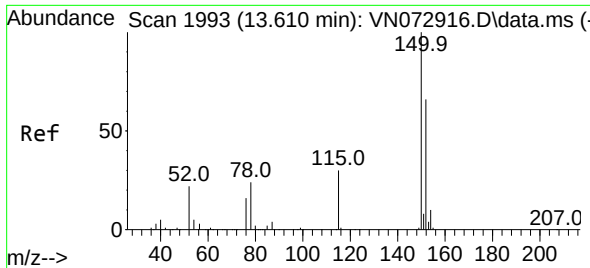
Reviewed By :John Carlone 06/21/2022
Supervised By :Mahesh Dadoda 06/21/2022



#69
o-Xylene
Concen: 75.431 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. 0.000 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

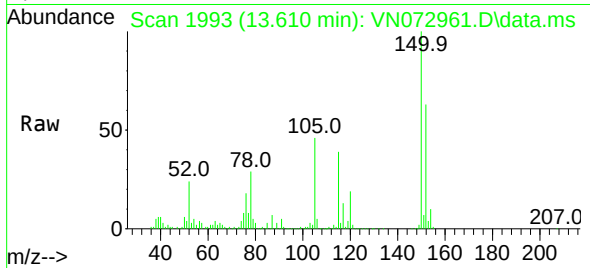
Tgt Ion:106 Resp: 499377
Ion Ratio Lower Upper
106 100
91 218.3 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

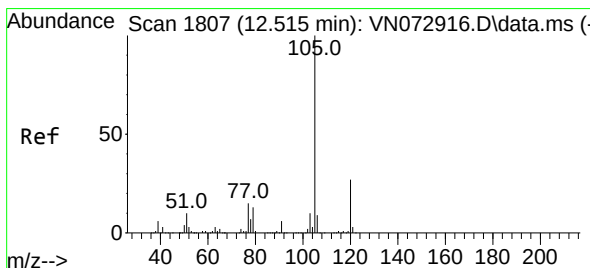
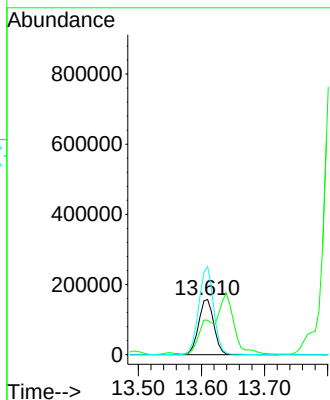
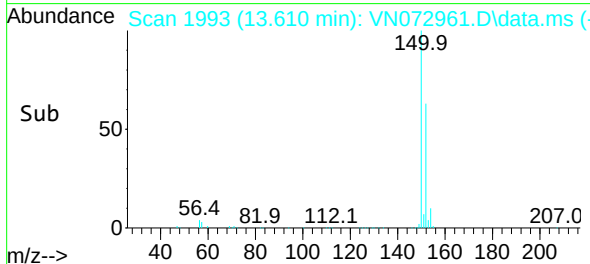
Instrument :
MSVOA_N
ClientSampleId :
MW-14



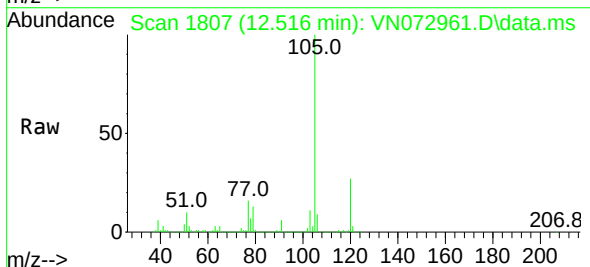
Tgt Ion:152 Resp: 264252
Ion Ratio Lower Upper
152 100
115 64.5 28.9 86.7
150 155.6 0.0 356.2

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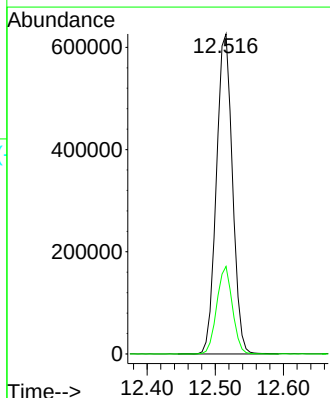
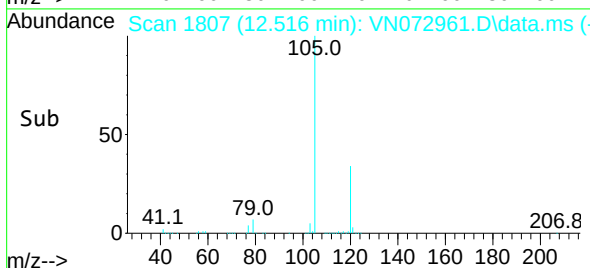
Reviewed By :John Carlone 06/21/2022
Supervised By :Mahesh Dadoda 06/21/2022

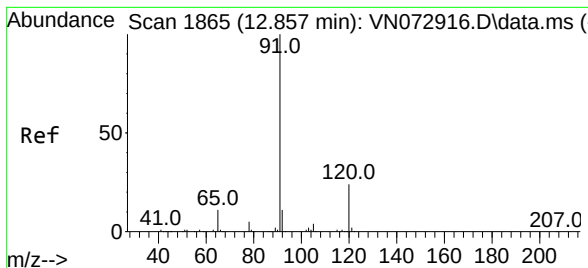


#73
Isopropylbenzene
Concen: 50.215 ug/l
RT: 12.516 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04



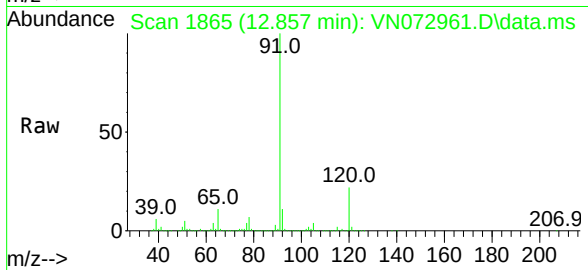
Tgt Ion:105 Resp: 1026558
Ion Ratio Lower Upper
105 100
120 26.6 13.5 40.4





#78
n-propylbenzene
Concen: 213.429 ug/l
RT: 12.857 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

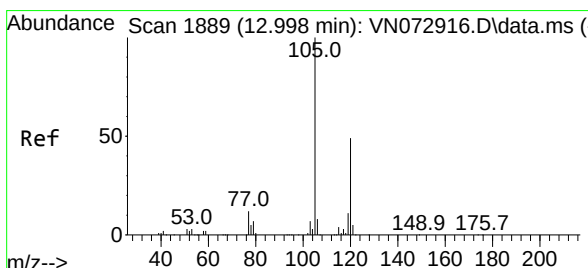
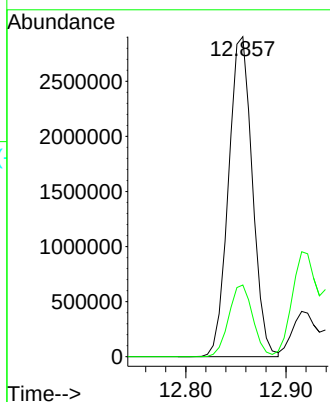
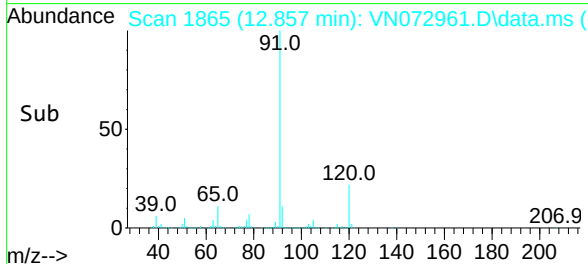
Instrument :
MSVOA_N
ClientSampleId :
MW-14



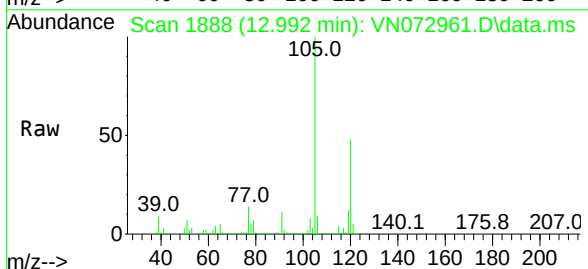
Tgt Ion: 91 Resp: 479925
Ion Ratio Lower Upper
91 100
120 22.6 11.9 35.5

Manual Integrations
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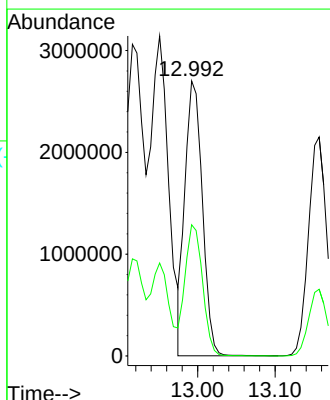
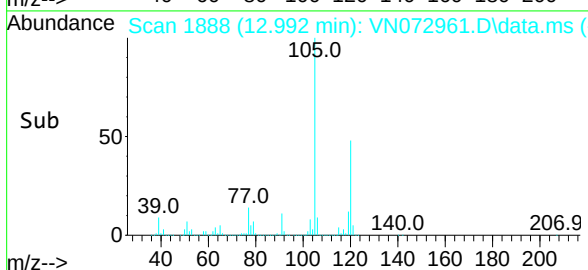
Reviewed By :John Carlone 06/21/2022
Supervised By :Mahesh Dadoda 06/21/2022

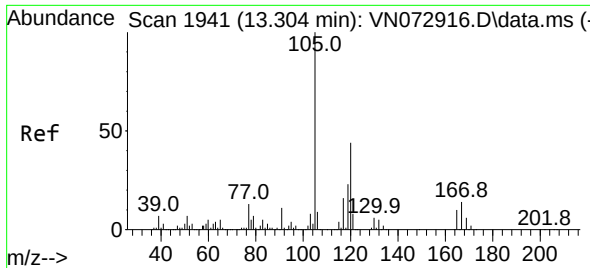


#80
1,3,5-Trimethylbenzene
Concen: 250.418 ug/l
RT: 12.992 min Scan# 1888
Delta R.T. -0.006 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04



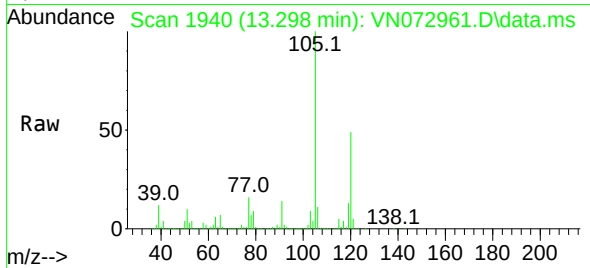
Tgt Ion:105 Resp: 4205113
Ion Ratio Lower Upper
105 100
120 47.9 24.9 74.7





#84
1,2,4-Trimethylbenzene
Concen: 1053.875 ug/l
RT: 13.298 min Scan# 1940
Delta R.T. -0.006 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

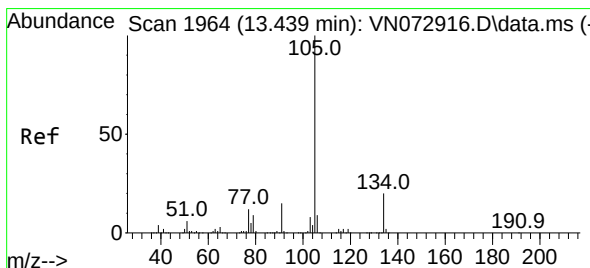
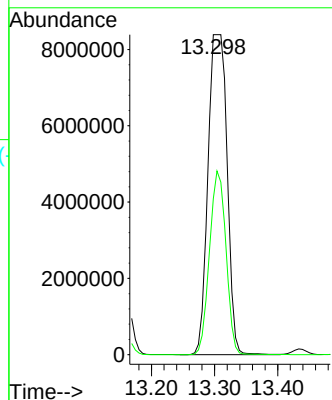
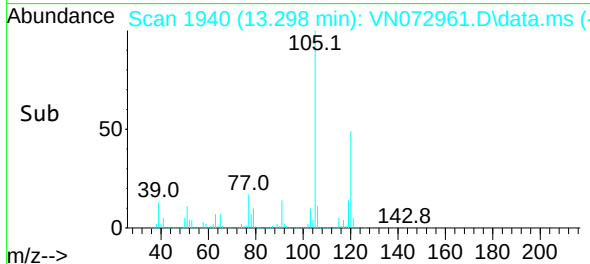
Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion:105 Resp:1762658
Ion Ratio Lower Upper
105 100
120 49.5 23.3 69.8

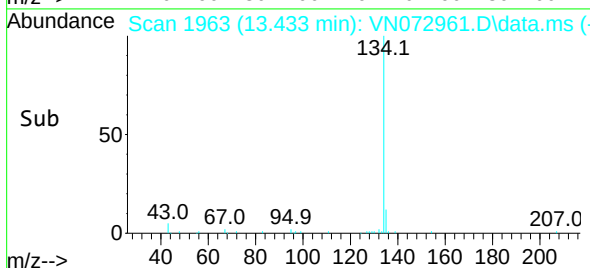
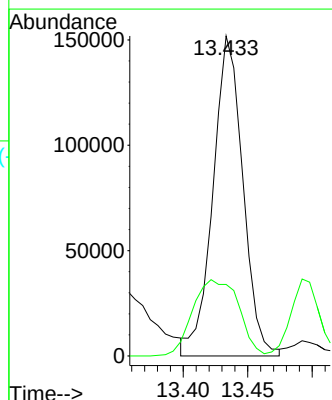
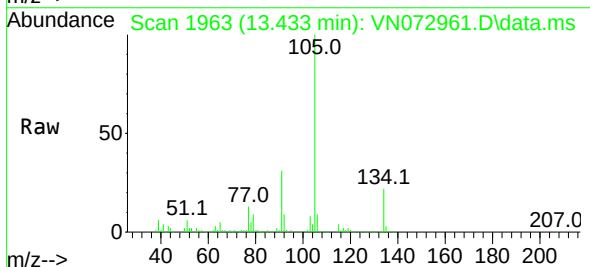
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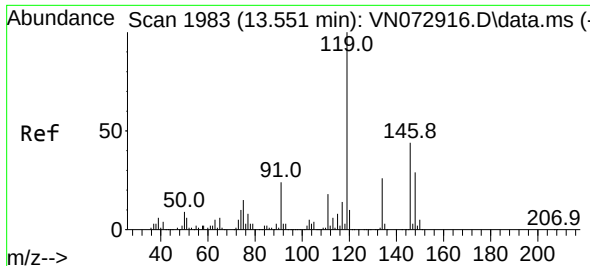
Reviewed By :John Carlone 06/21/2022
Supervised By :Mahesh Dadoda 06/21/2022



#85
sec-Butylbenzene
Concen: 11.933 ug/l m
RT: 13.433 min Scan# 1963
Delta R.T. -0.006 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

Tgt Ion:105 Resp: 244822
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





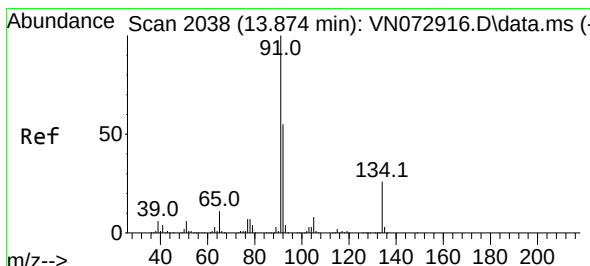
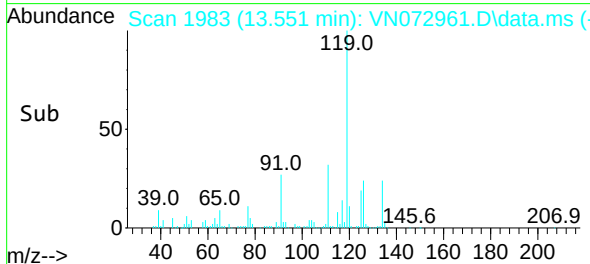
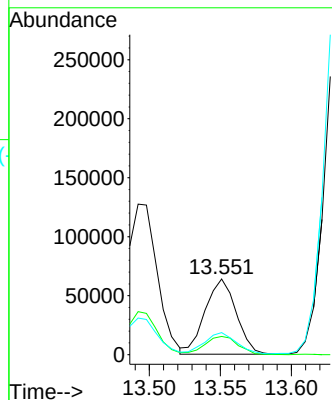
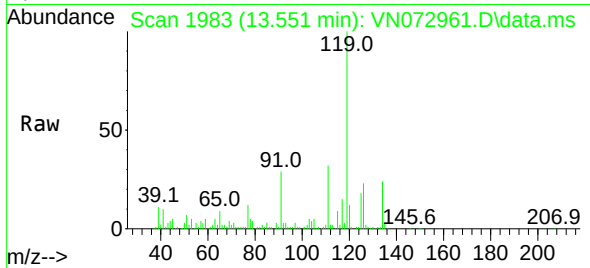
#86
p-Isopropyltoluene
Concen: 5.850 ug/l
RT: 13.551 min Scan# 1983
Delta R.T. 0.000 min
Lab File: VN072916.D
Acq: 20 Jun 2022 15:04

Instrument :
MSVOA_N
ClientSampleId :
MW-14

Tgt Ion:119 Resp: 97164
Ion Ratio Lower Upper
119 100
134 26.1 13.3 39.8
91 0.0 11.3 33.9

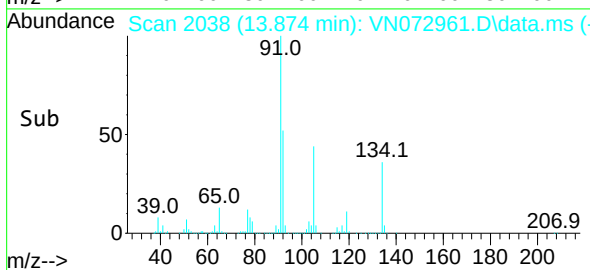
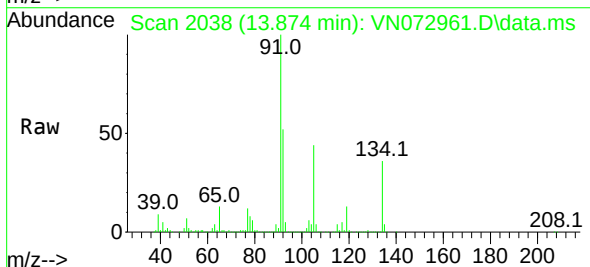
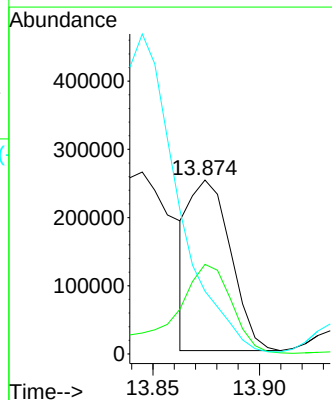
Manual Integrations
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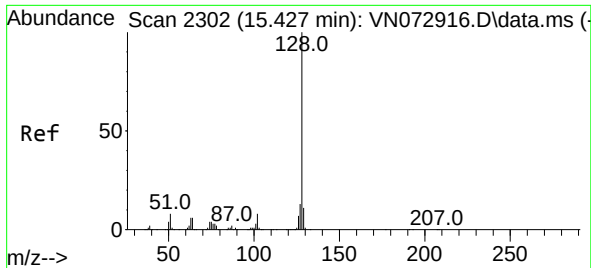
Reviewed By :John Carlone 06/21/2022
Supervised By :Mahesh Dadoda 06/21/2022



#89
n-Butylbenzene
Concen: 24.667 ug/l
RT: 13.874 min Scan# 2038
Delta R.T. 0.000 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

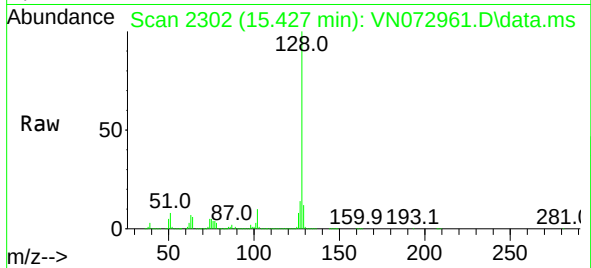
Tgt Ion: 91 Resp: 334548
Ion Ratio Lower Upper
91 100
92 72.5 26.9 80.7
134 0.0 13.6 40.8





#95
Naphthalene
Concen: 483.090 ug/l
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN072961.D
Acq: 20 Jun 2022 15:04

Instrument :
MSVOA_N
ClientSampleId :
MW-14



Tgt Ion:128 Resp: 9861812
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 11.2 8.6 13.0

Manual Integrations
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Supervised By :Mahesh Dadoda 06/21/2022

