

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072603.D
 Acq On : 24 May 2022 22:07
 Operator : JC\MD
 Sample : N2968-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-25

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2022
 Supervised By : Mahesh Dadoda 05/25/2022

Quant Time: May 25 09:22:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 25 09:15:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	172265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	299252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	373334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	182638	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	96800	49.399	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	98.800%		
35) Dibromofluoromethane	8.016	113	88748	45.757	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	91.520%		
50) Toluene-d8	10.439	98	402254	54.316	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	108.640%		
62) 4-Bromofluorobenzene	12.727	95	178039	73.916	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	147.840%#		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.357	59	13556	36.738	ug/l #	72
16) Acetone	4.293	43	11976	12.434	ug/l #	85
19) Methyl tert-butyl Ether	5.616	73	188063	35.020	ug/l #	1
22) Diisopropyl ether	6.487	45	5912	0.985	ug/l #	76
25) 2-Butanone	7.334	43	5407	3.327	ug/l	99
31) Cyclohexane	8.092	56	312723	100.747	ug/l	93
39) Methylcyclohexane	9.451	83	57220	16.923	ug/l	96
40) Benzene	8.457	78	2585558	292.005	ug/l	99
52) Toluene	10.504	92	4108042	732.635	ug/l	99
67) Ethyl Benzene	11.839	91	6921691	486.784	ug/l	98
68) m/p-Xylenes	11.951	106	3957071	730.108	ug/l	100
69) o-Xylene	12.275	106	1956490	373.425	ug/l	98
73) Isopropylbenzene	12.574	105	249828	15.356	ug/l	99
78) n-propylbenzene	12.916	91	675701	37.457	ug/l	98
80) 1,3,5-Trimethylbenzene	13.051	105	588817	46.531	ug/l	99
84) 1,2,4-Trimethylbenzene	13.363	105	3879936	312.671	ug/l	99
85) sec-Butylbenzene	13.498	105	21822m	1.385	ug/l	
86) p-Isopropyltoluene	13.610	119	13427m	1.081	ug/l	
89) n-Butylbenzene	13.933	91	22920m	2.286	ug/l	
95) Naphthalene	15.498	128	2168375	190.772	ug/l	100

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

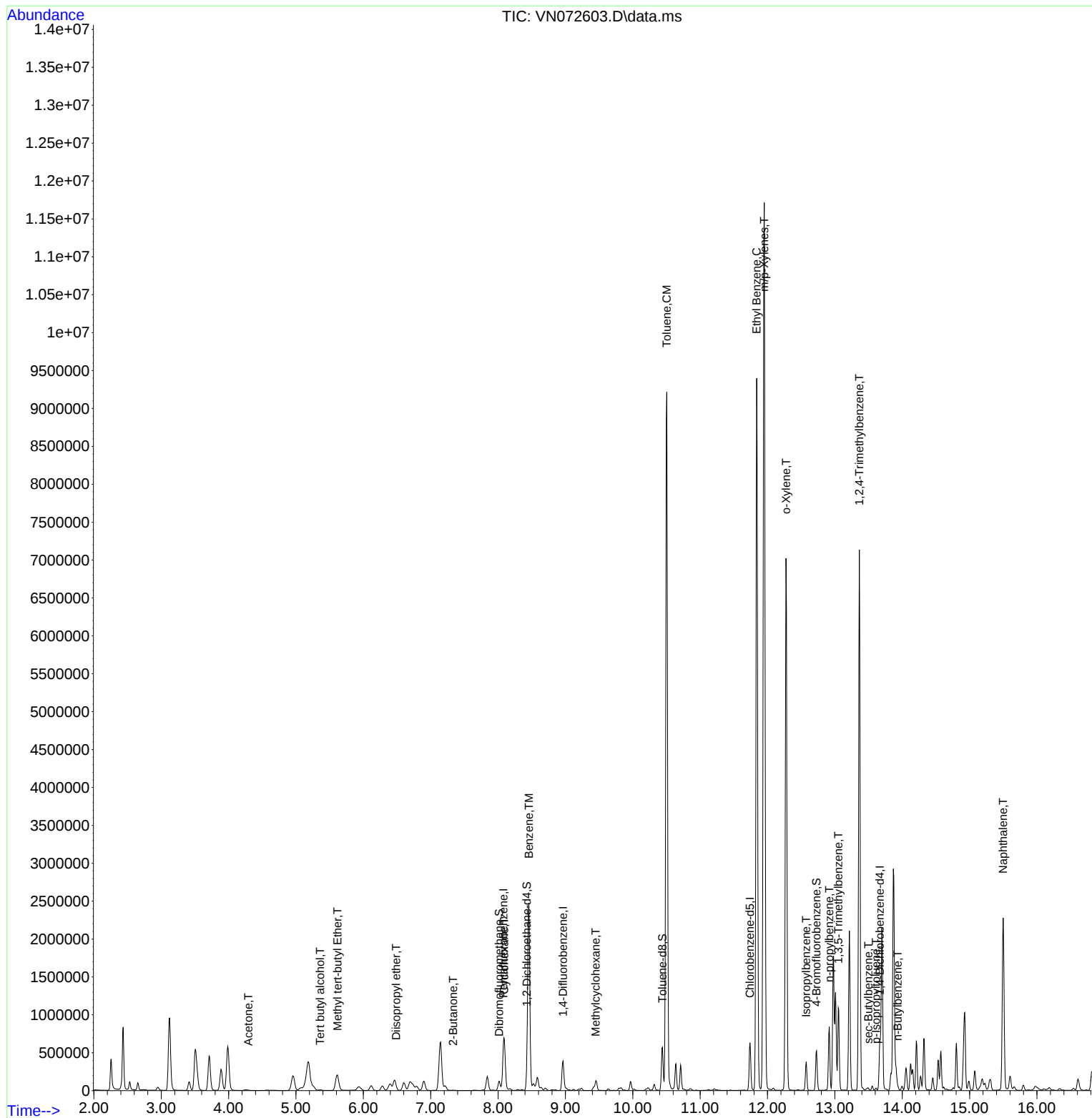
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
Data File : VN072603.D
Acq On : 24 May 2022 22:07
Operator : JC\MD
Sample : N2968-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 23 Sample Multiplier: 1

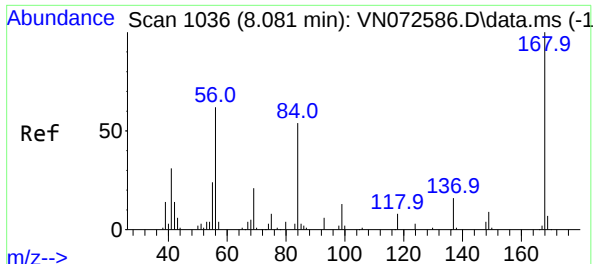
Instrument :
MSVOA_N
ClientSampleId :
MW-25

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Supervised By : Mahesh Dadoda 05/25/2022

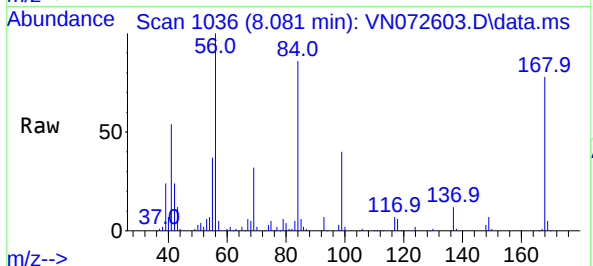
Quant Time: May 25 09:22:52 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
Quant Title : SW846 8260
QLast Update : Wed May 25 09:15:20 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

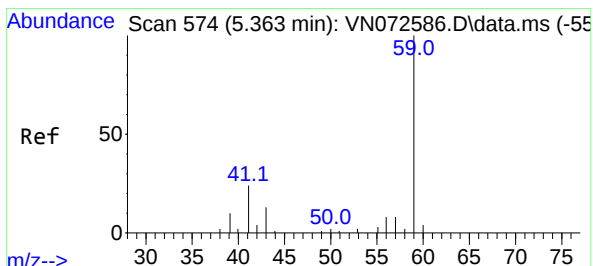
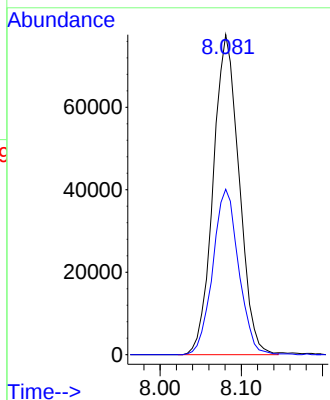
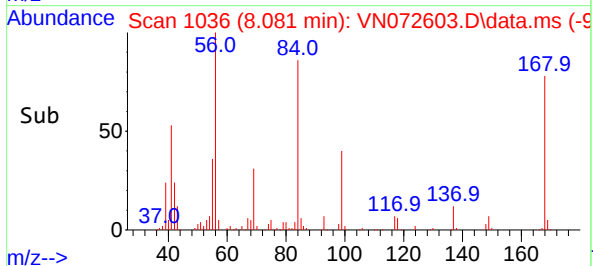
Instrument :
MSVOA_N
ClientSampleId :
MW-25



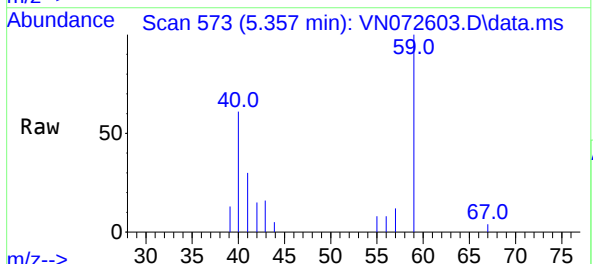
Tgt Ion:168 Resp: 17226
Ion Ratio Lower Upper
168 100
99 51.7 42.3 63.5

Manual Integrations
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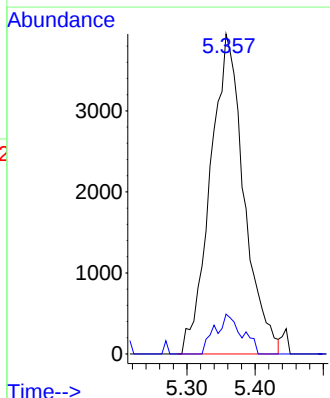
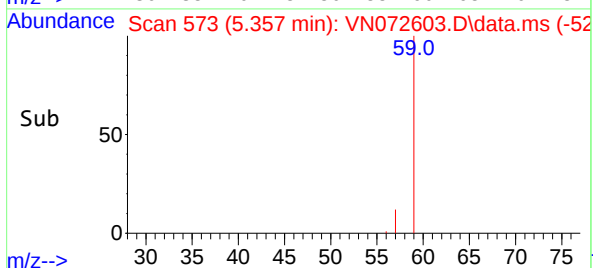
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

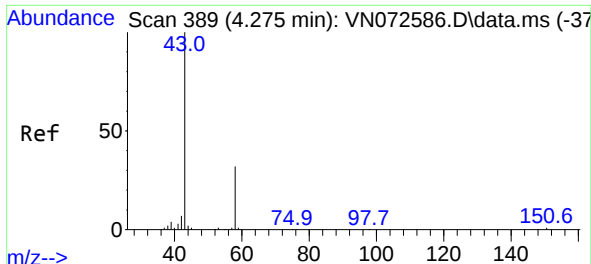


#11
Tert butyl alcohol
Concen: 36.738 ug/l
RT: 5.357 min Scan# 573
Delta R.T. -0.006 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07



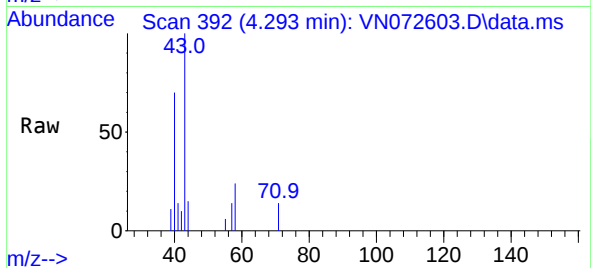
Tgt Ion: 59 Resp: 13556
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16
Acetone
Concen: 12.434 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.018 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

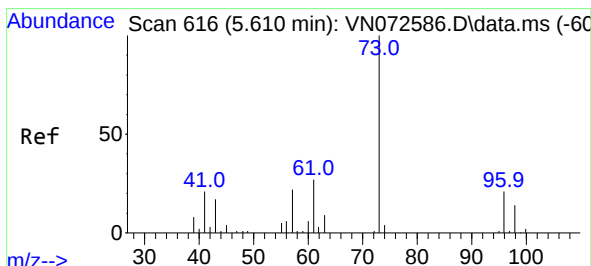
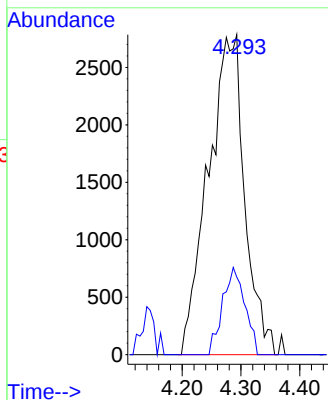
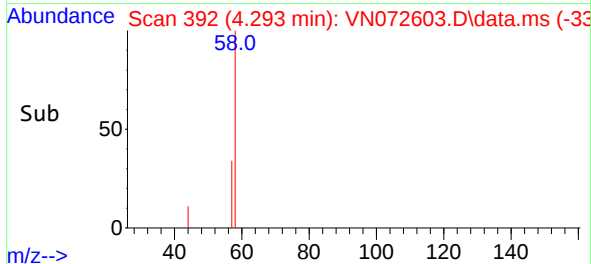
Instrument :
MSVOA_N
ClientSampleId :
MW-25



Tgt Ion: 43 Resp: 11970
Ion Ratio Lower Upper
43 100
58 24.2 26.0 39.0

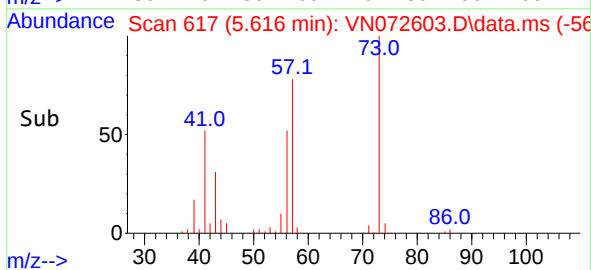
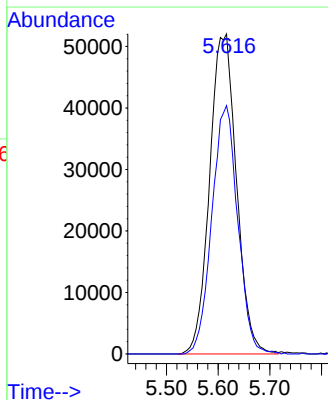
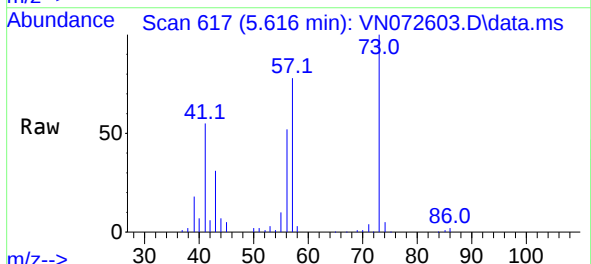
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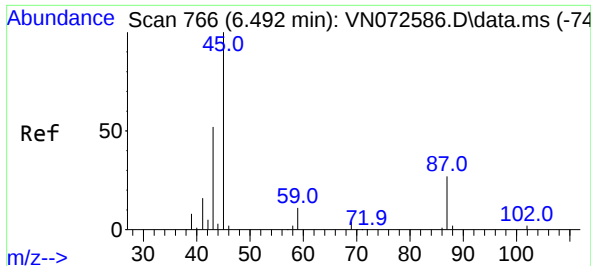
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#19
Methyl tert-butyl Ether
Concen: 35.020 ug/l
RT: 5.616 min Scan# 617
Delta R.T. 0.006 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

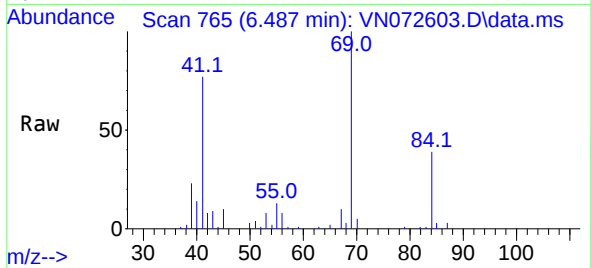
Tgt Ion: 73 Resp: 188063
Ion Ratio Lower Upper
73 100
57 77.6 17.6 26.4





#22
Diisopropyl ether
Concen: 0.985 ug/l
RT: 6.487 min Scan# 765
Delta R.T. -0.005 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

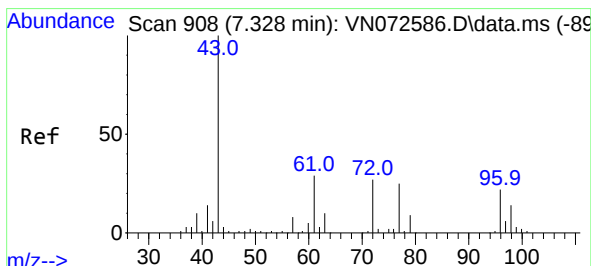
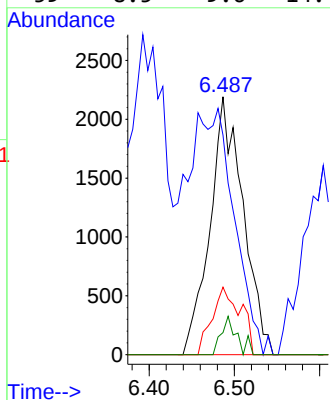
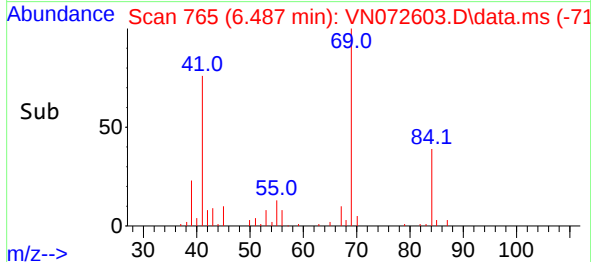
Instrument :
MSVOA_N
ClientSampleId :
MW-25



Tgt Ion	Ratio	Lower	Upper
45	100		
43	85.1	46.6	70.0
87	26.2	24.3	36.5
59	8.5	9.6	14.4

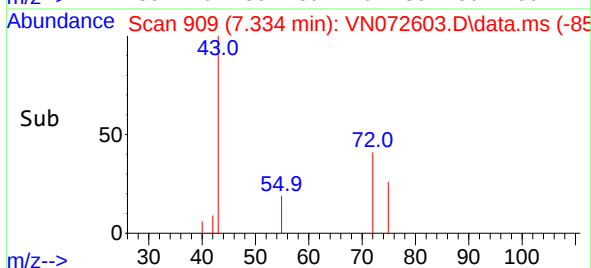
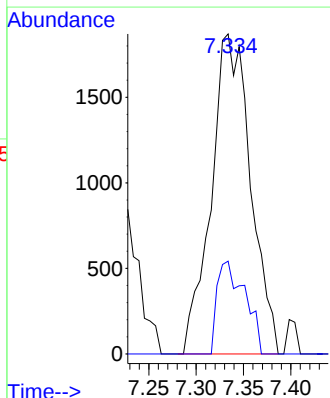
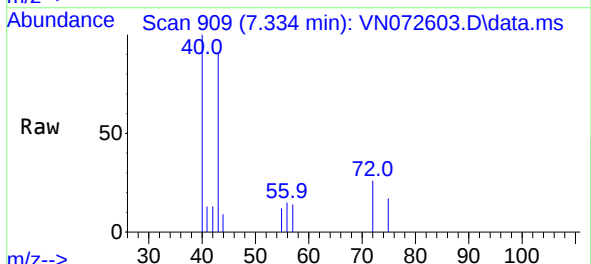
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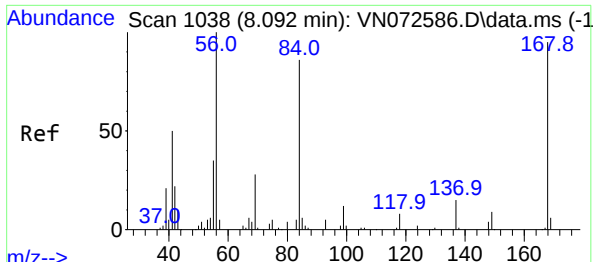
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#25
2-Butanone
Concen: 3.327 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

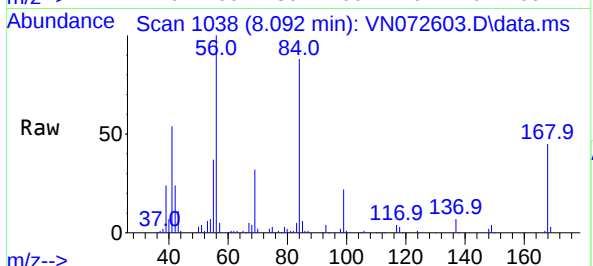
Tgt Ion	Ratio	Lower	Upper
43	100		
72	29.0	23.7	35.5





#31
Cyclohexane
Concen: 100.747 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

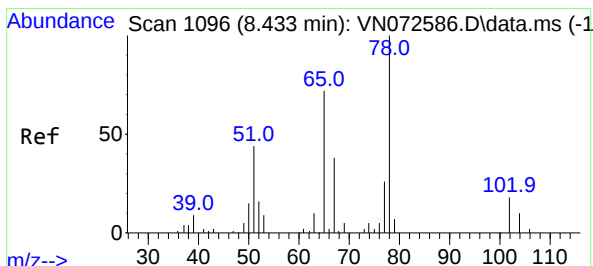
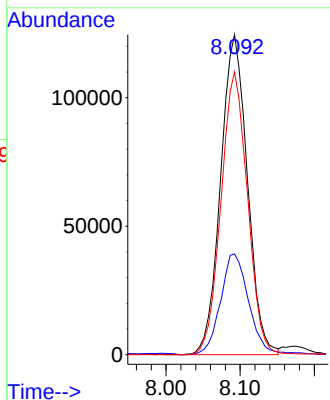
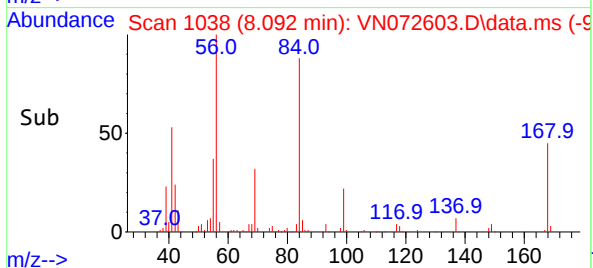
Instrument :
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ClientSampleId :
MW-25



Tgt Ion: 56 Resp: 31272
Ion Ratio Lower Upper
56 100
69 31.4 27.8 41.8
84 88.3 76.9 115.3

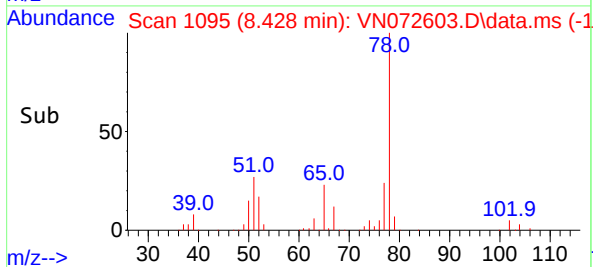
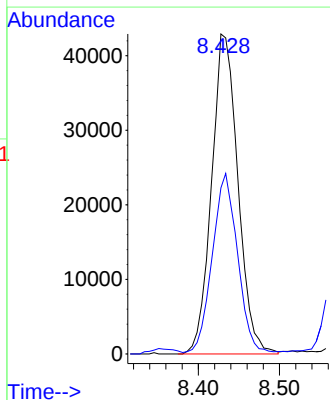
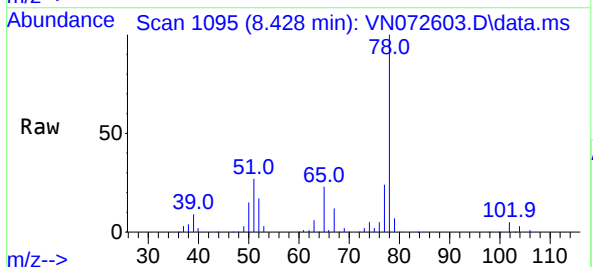
Manual Integrations
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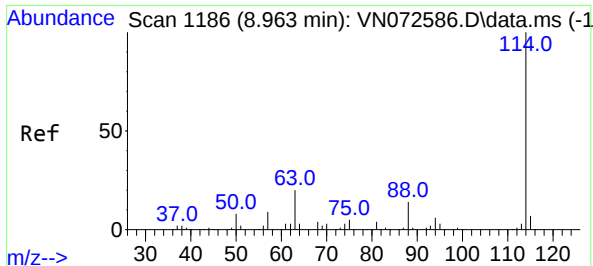
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#33
1,2-Dichloroethane-d4
Concen: 49.399 ug/l
RT: 8.428 min Scan# 1095
Delta R.T. -0.005 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

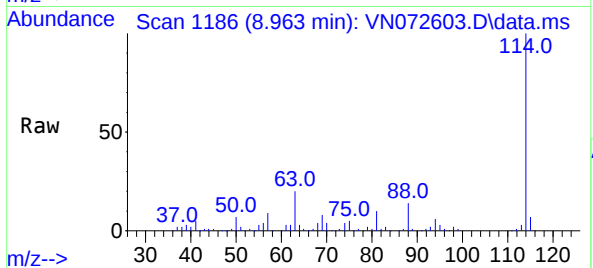
Tgt Ion: 65 Resp: 96800
Ion Ratio Lower Upper
65 100
67 54.0 0.0 104.8





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

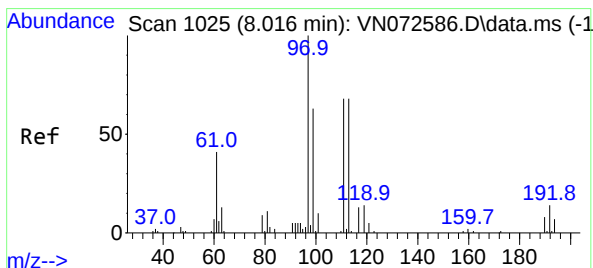
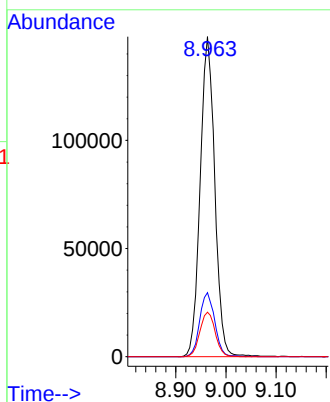
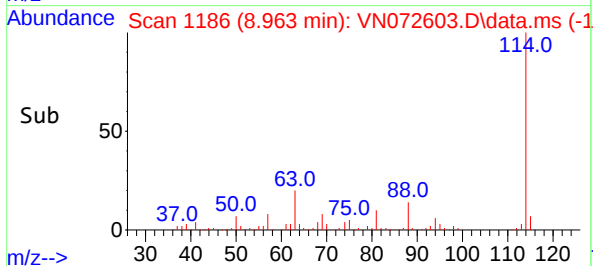
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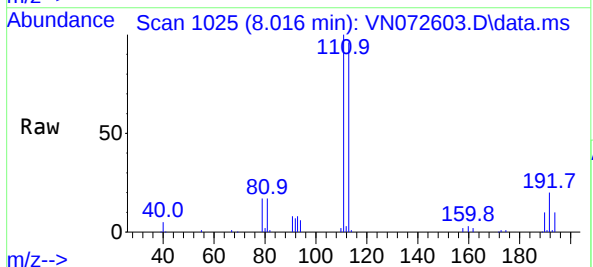
Tgt Ion:114 Resp: 299252
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.0
88 13.9 0.0 32.6

Manual Integrations
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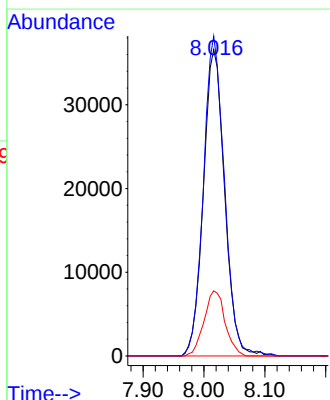
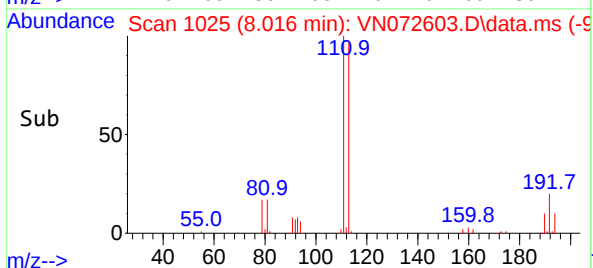
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Supervised By :Mahesh Dadoda 05/25/2022

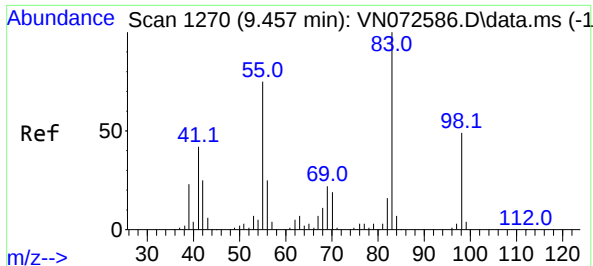


#35
Dibromofluoromethane
Concen: 45.757 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07



Tgt Ion:113 Resp: 88748
Ion Ratio Lower Upper
113 100
111 103.4 81.4 122.0
192 21.1 17.0 25.6





#39

Methylcyclohexane

Concen: 16.923 ug/l

RT: 9.451 min Scan# 1100

Delta R.T. -0.006 min

Lab File: VN072603.D

Acq: 24 May 2022 22:07

Instrument :

MSVOA_N

ClientSampleId :

MW-25

Tgt Ion: 83 Resp: 57220

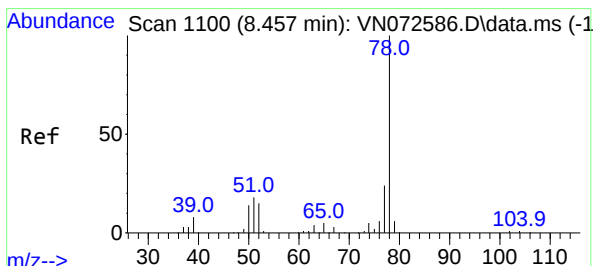
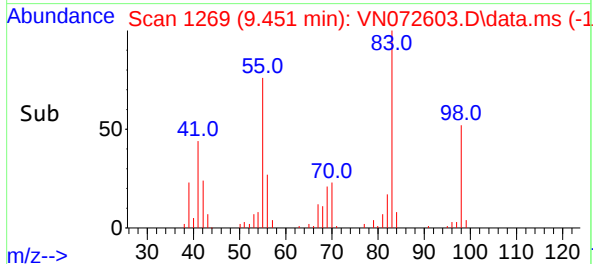
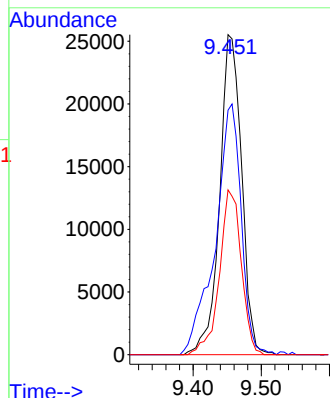
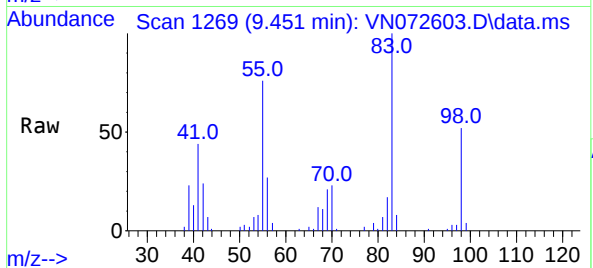
Ion	Ratio	Lower	Upper
83	100		
55	76.4	57.8	86.8
98	51.5	39.4	59.2

Manual Integrations

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Reviewed By :John Carlone 05/25/2022

Supervised By :Mahesh Dadoda 05/25/2022



#40

Benzene

Concen: 292.005 ug/l

RT: 8.457 min Scan# 1100

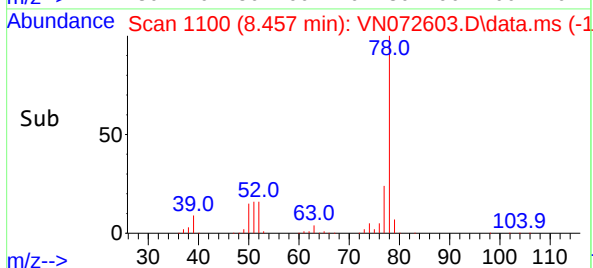
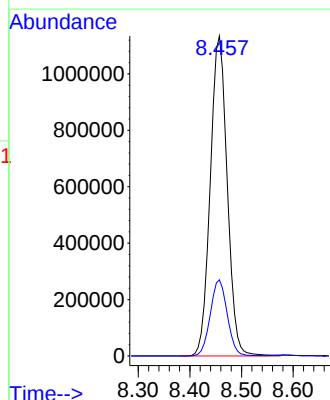
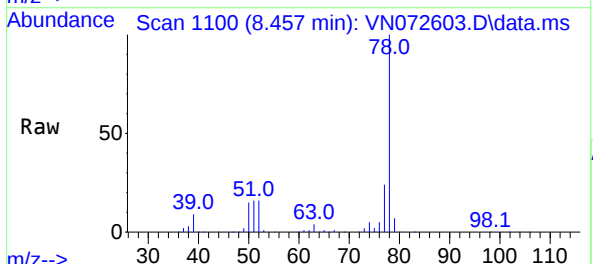
Delta R.T. 0.000 min

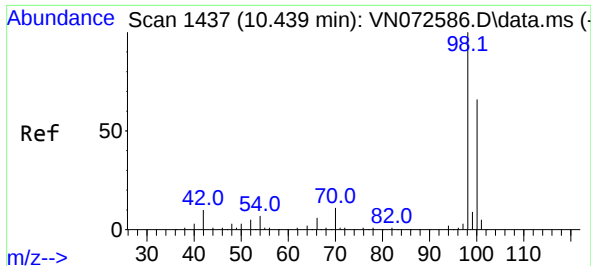
Lab File: VN072603.D

Acq: 24 May 2022 22:07

Tgt Ion: 78 Resp: 2585558

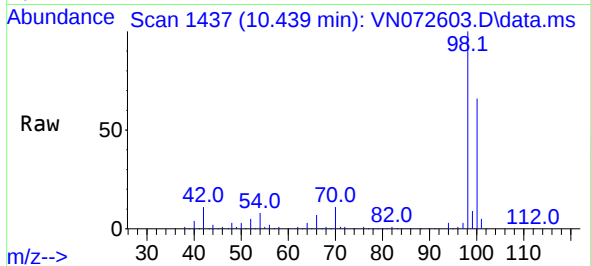
Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.0





#50
Toluene-d8
Concen: 54.316 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

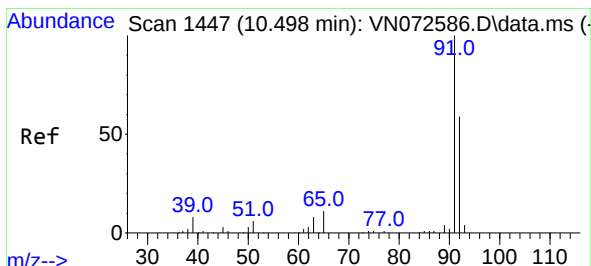
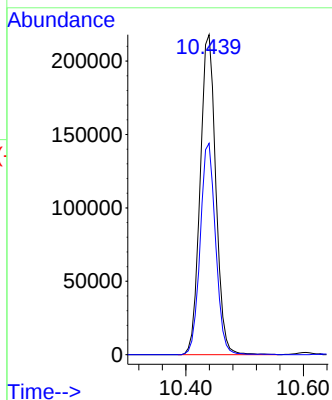
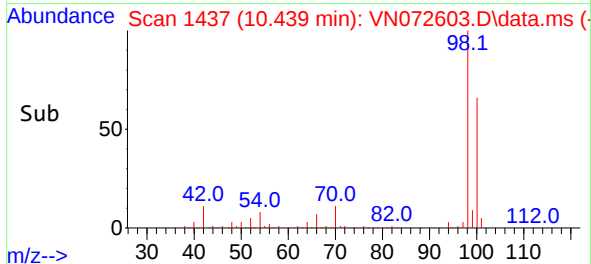
Instrument :
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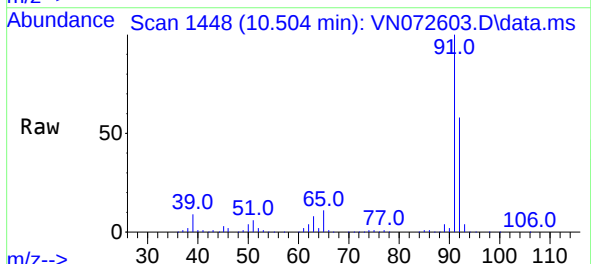
Tgt Ion: 98 Resp: 402254
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8

Manual Integrations
APPROVED

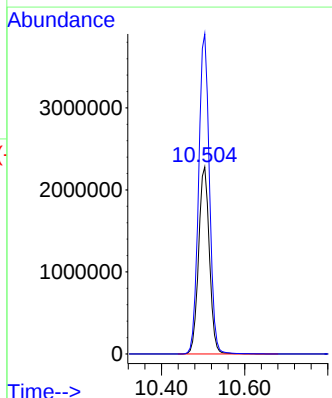
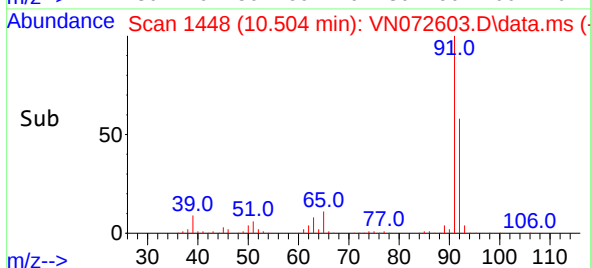
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

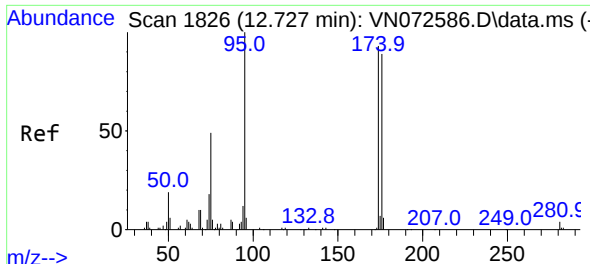


#52
Toluene
Concen: 732.635 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07



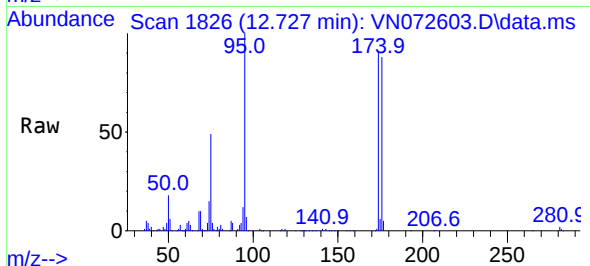
Tgt Ion: 92 Resp: 4108042
Ion Ratio Lower Upper
92 100
91 171.6 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 73.916 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

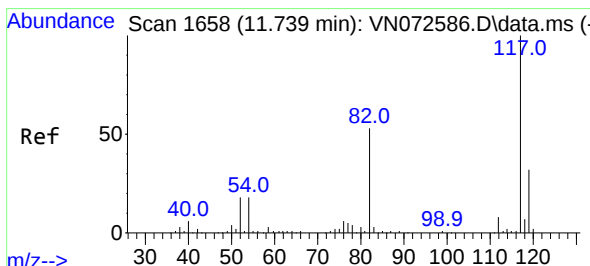
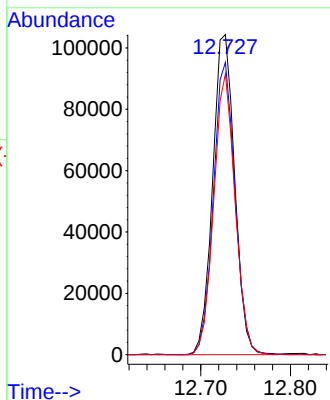
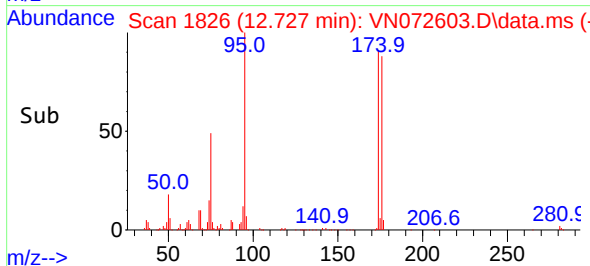
Instrument :
MSVOA_N
ClientSampleId :
MW-25



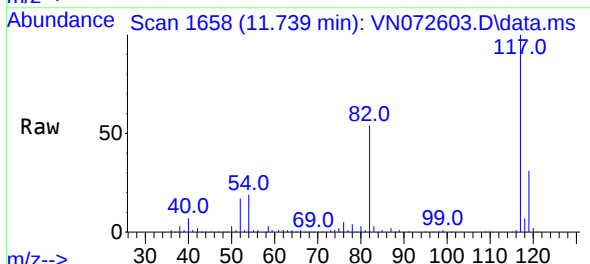
Tgt Ion: 95 Resp: 178039
Ion Ratio Lower Upper
95 100
174 89.6 0.0 167.6
176 84.8 0.0 163.4

Manual Integrations
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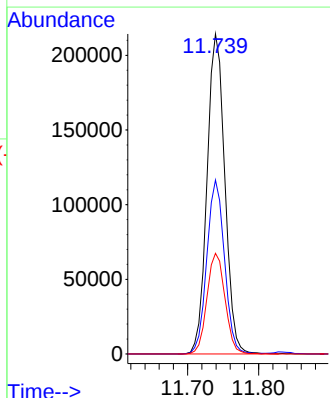
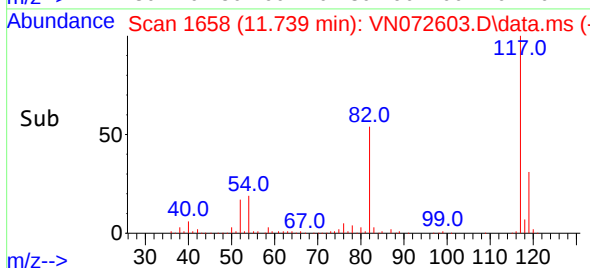
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

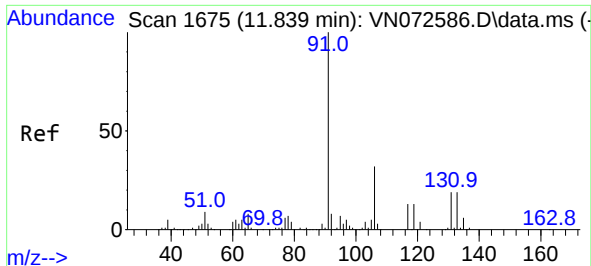


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07



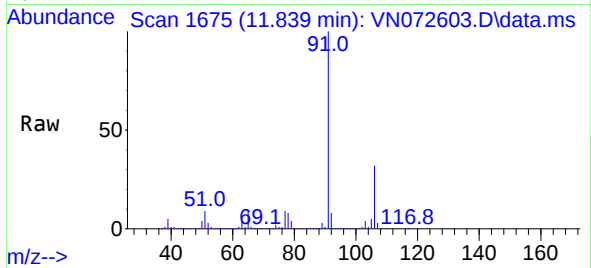
Tgt Ion:117 Resp: 373334
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 31.4 25.4 38.0





#67
Ethyl Benzene
Concen: 486.784 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

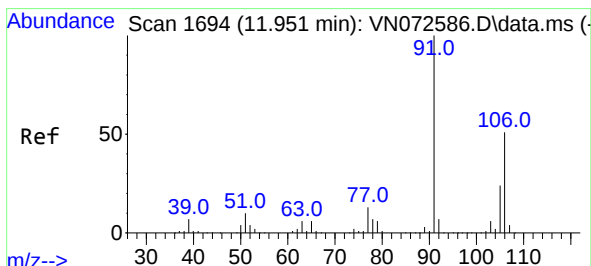
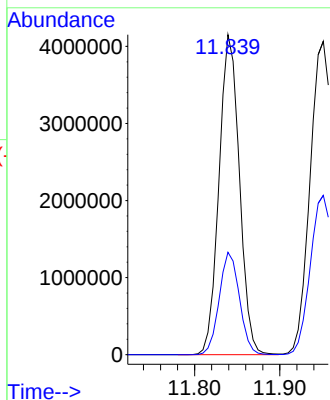
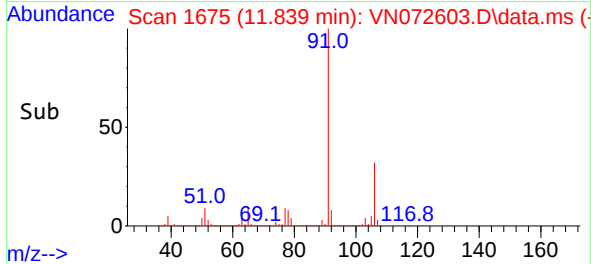
Instrument :
MSVOA_N
ClientSampleId :
MW-25



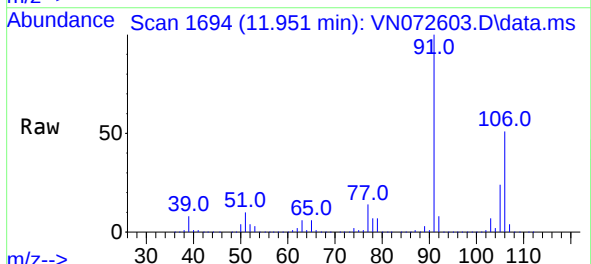
Tgt Ion: 91 Resp: 692169
Ion Ratio Lower Upper
91 100
106 32.0 24.9 37.3

Manual Integrations
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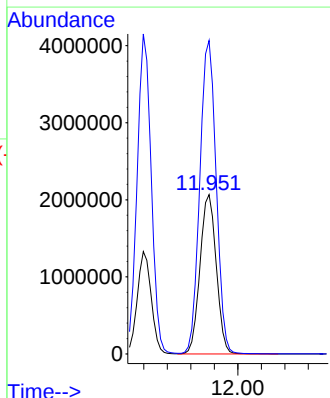
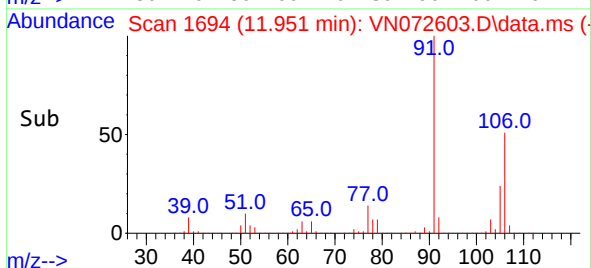
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

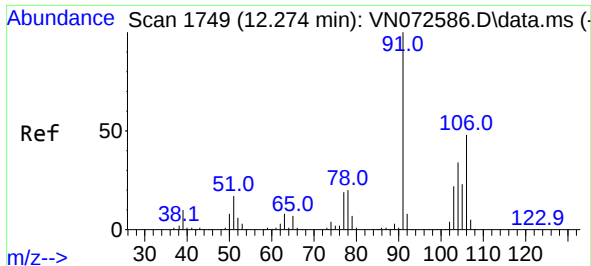


#68
m/p-Xylenes
Concen: 730.108 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07



Tgt Ion:106 Resp: 3957071
Ion Ratio Lower Upper
106 100
91 198.2 158.9 238.3





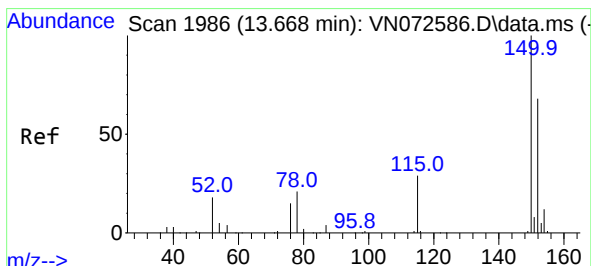
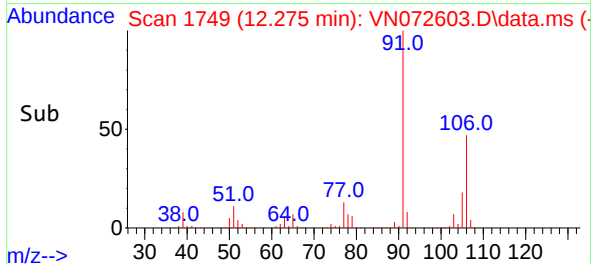
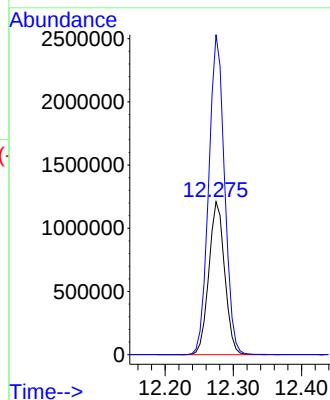
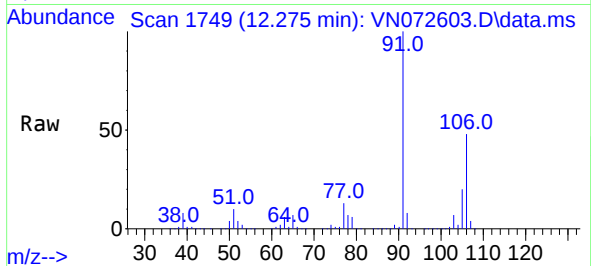
#69
o-Xylene
Concen: 373.425 ug/l
RT: 12.275 min Scan# 1749
Delta R.T. 0.001 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

Instrument :
MSVOA_N
ClientSampleId :
MW-25

Tgt Ion:106 Resp: 1956490
Ion Ratio Lower Upper
106 100
91 209.3 106.0 318.0

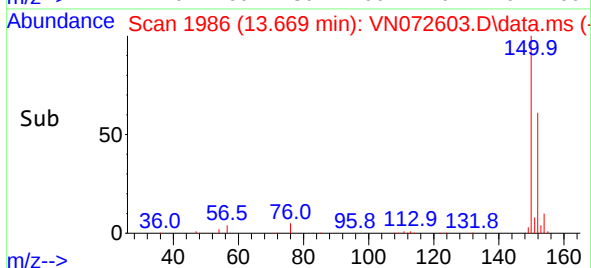
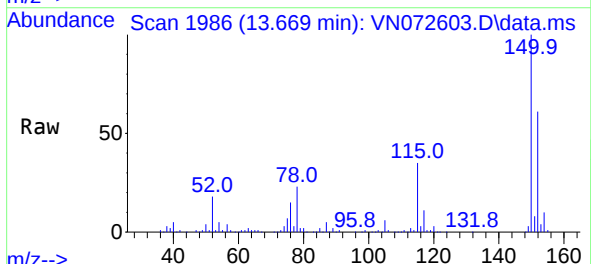
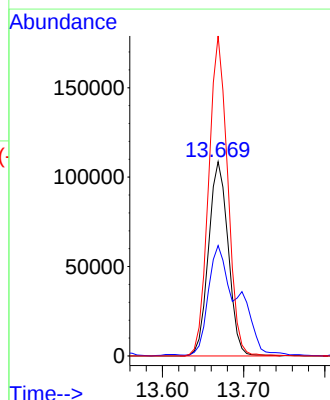
Manual Integrations
APPROVED

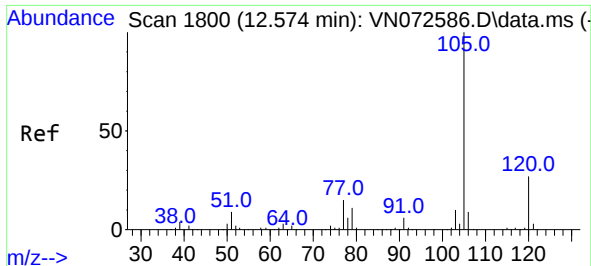
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. 0.001 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

Tgt Ion:152 Resp: 182638
Ion Ratio Lower Upper
152 100
115 86.3 28.9 86.7
150 159.4 0.0 356.2





#73
Isopropylbenzene
Concen: 15.356 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. 0.000 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

Instrument :

MSVOA_N

ClientSampleId :

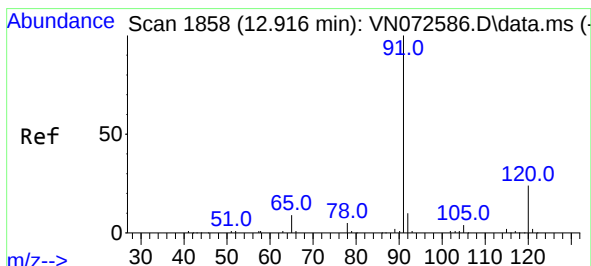
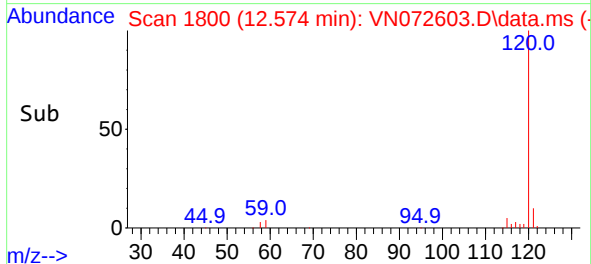
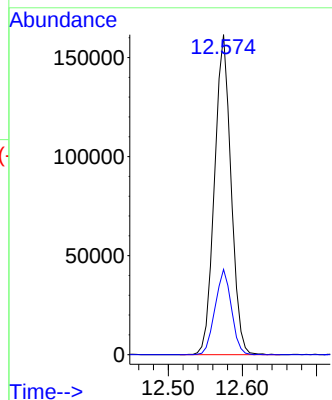
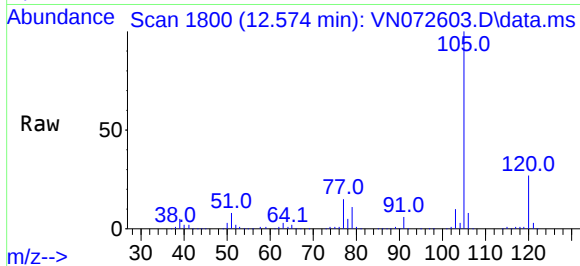
MW-25

Tgt Ion:105 Resp: 249828
Ion Ratio Lower Upper
105 100
120 26.3 13.5 40.4

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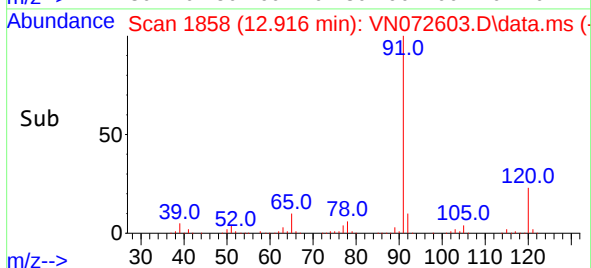
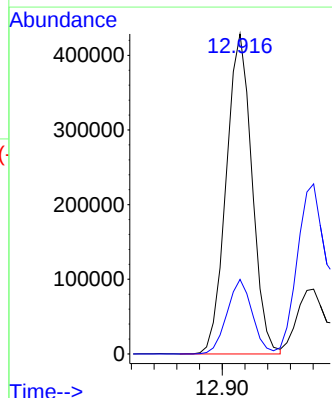
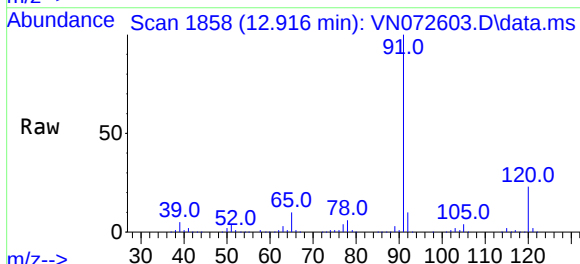
APPROVED

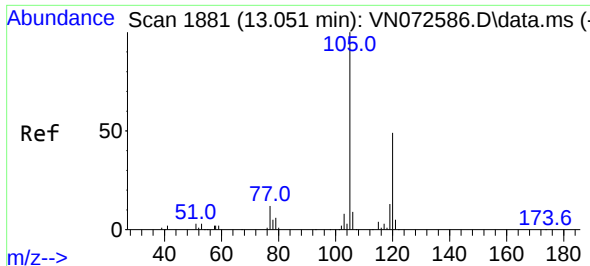
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#78
n-propylbenzene
Concen: 37.457 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

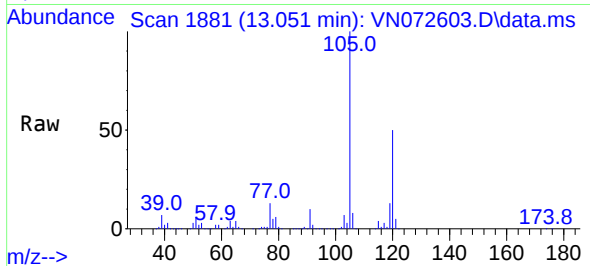
Tgt Ion: 91 Resp: 675701
Ion Ratio Lower Upper
91 100
120 22.7 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 46.531 ug/l
RT: 13.051 min Scan# 1881
Delta R.T. -0.000 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

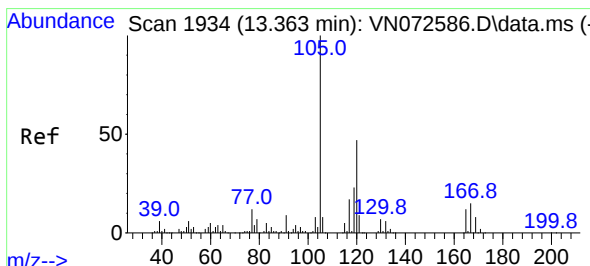
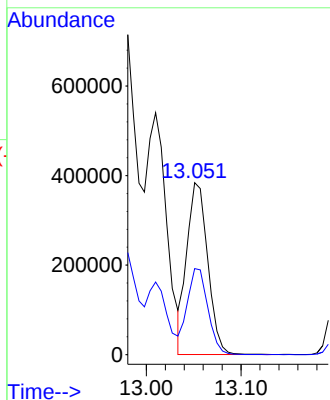
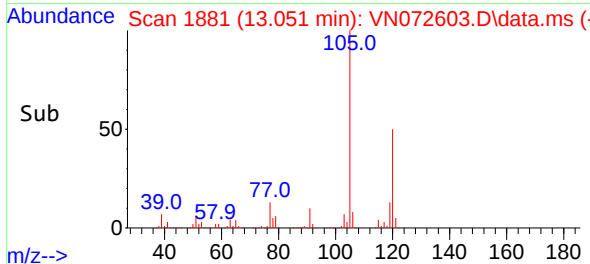
Instrument :
MSVOA_N
ClientSampleId :
MW-25



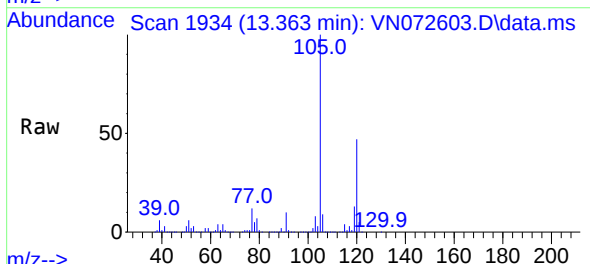
Tgt Ion:105 Resp: 58881
Ion Ratio Lower Upper
105 100
120 49.5 24.9 74.7

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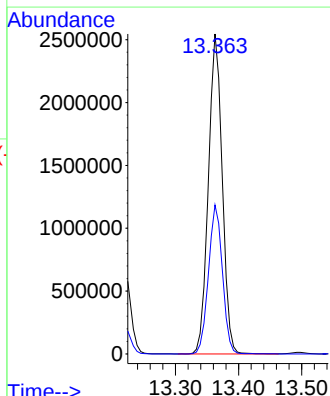
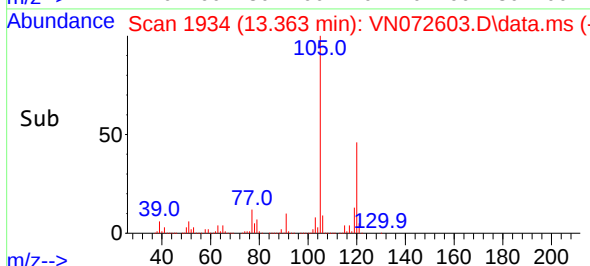
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

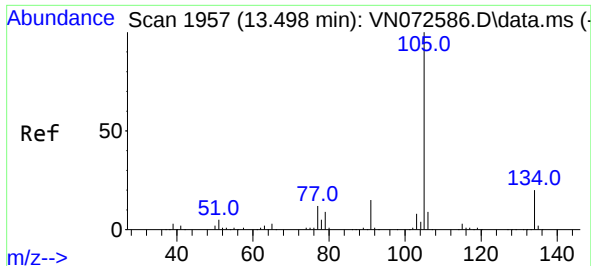


#84
1,2,4-Trimethylbenzene
Concen: 312.671 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07



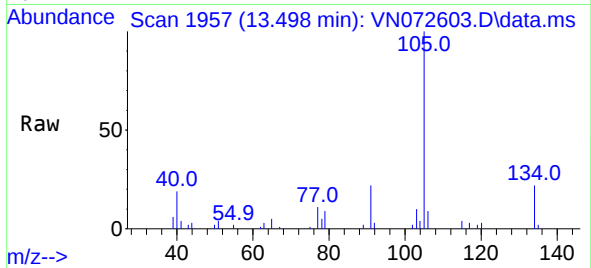
Tgt Ion:105 Resp: 3879936
Ion Ratio Lower Upper
105 100
120 46.9 23.3 69.8





#85
 sec-Butylbenzene
 Concen: 1.385 ug/l m
 RT: 13.498 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VN072603.D
 Acq: 24 May 2022 22:07

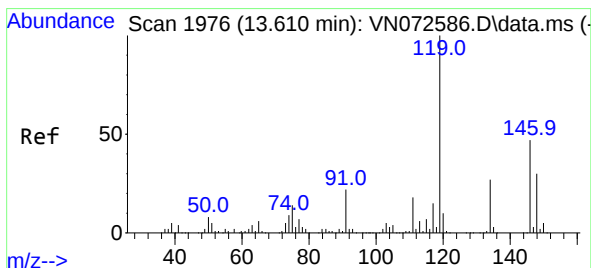
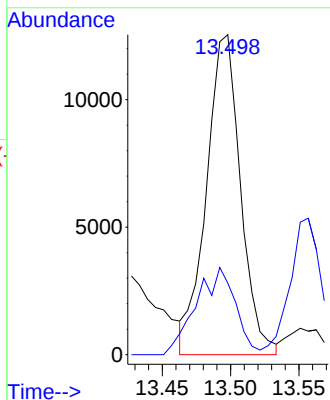
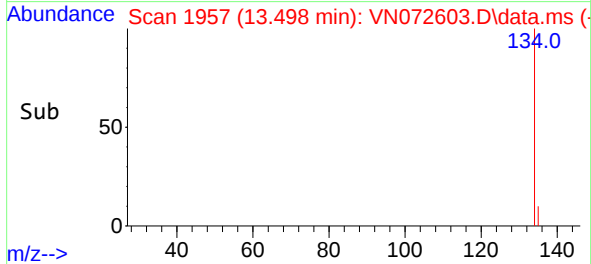
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-25



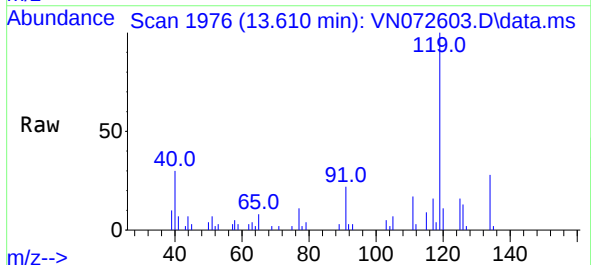
Tgt Ion:105 Resp: 2182
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#

Manual Integrations
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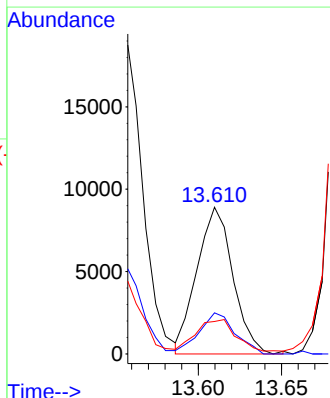
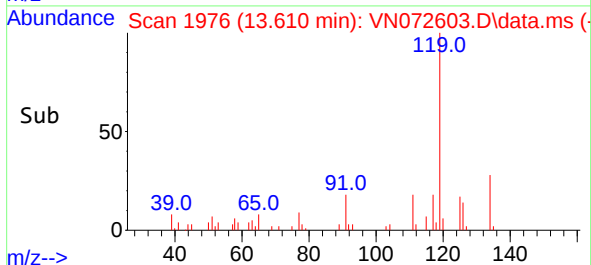
Reviewed By :John Carlone 05/25/2022
 Supervised By :Mahesh Dadoda 05/25/2022

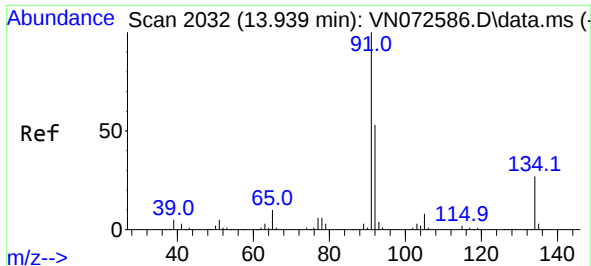


#86
 p-Isopropyltoluene
 Concen: 1.081 ug/l m
 RT: 13.610 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VN072603.D
 Acq: 24 May 2022 22:07



Tgt Ion:119 Resp: 13427
 Ion Ratio Lower Upper
 119 100
 134 63.4 13.3 39.8#
 91 0.0 11.3 33.9#





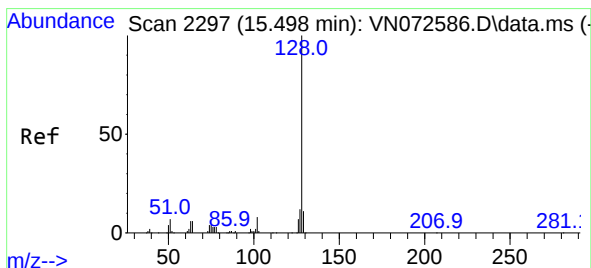
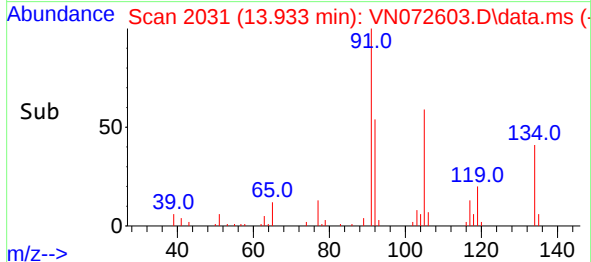
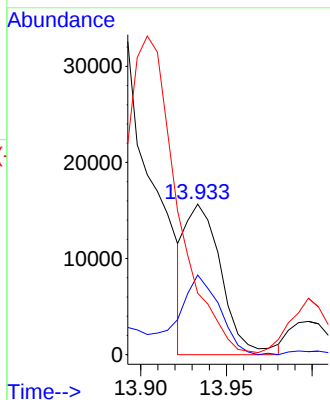
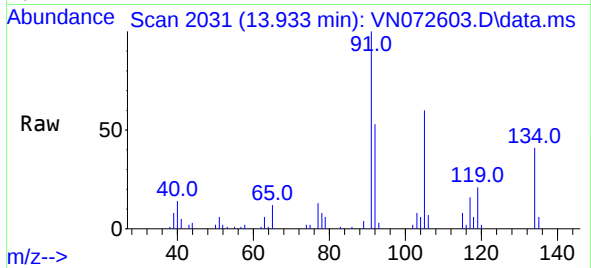
#89
n-Butylbenzene
Concen: 2.286 ug/l m
RT: 13.933 min Scan# 2032
Delta R.T. -0.006 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

Instrument :
MSVOA_N
ClientSampleId :
MW-25

Tgt Ion: 91 Resp: 22920
Ion Ratio Lower Upper
91 100
92 140.7 26.9 80.7
134 44.8 13.6 40.8

Manual Integrations
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Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#95
Naphthalene
Concen: 190.772 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN072603.D
Acq: 24 May 2022 22:07

Tgt Ion:128 Resp: 2168375
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.0 8.6 13.0

