

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
 Data File : VN072611.D
 Acq On : 25 May 2022 01:20
 Operator : JC\MD
 Sample : N2968-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-051922

Quant Time: May 25 09:25:21 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	141476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	246507	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	284829	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	185273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	91082	56.597	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.200%			
35) Dibromofluoromethane	8.016	113	73424	45.957	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 91.920%			
50) Toluene-d8	10.439	98	463670	76.005	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 152.020%#			
62) 4-Bromofluorobenzene	12.727	95	126288	63.649	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 127.300%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.357	59	245483	810.062	ug/l	99
16) Acetone	4.287	43	8926	11.284	ug/l #	83
19) Methyl tert-butyl Ether	5.610	73	105313	23.879	ug/l #	7
22) Diisopropyl ether	6.492	45	24582	4.985	ug/l #	94
25) 2-Butanone	7.339	43	3691	2.765	ug/l #	78
31) Cyclohexane	8.092	56	119797	46.993	ug/l	92
39) Methylcyclohexane	9.457	83	61787	22.184	ug/l	94
40) Benzene	8.457	78	4935060	676.607	ug/l	99
51) 4-Methyl-2-Pentanone	10.327	43	2071	0.722	ug/l	89
52) Toluene	10.504	92	282776	61.221	ug/l	99
67) Ethyl Benzene	11.839	91	3995424	368.299	ug/l	99
68) m/p-Xylenes	11.951	106	1644566	397.720	ug/l	98
69) o-Xylene	12.274	106	780373	195.228	ug/l	97
73) Isopropylbenzene	12.574	105	278397	16.869	ug/l	99
78) n-propylbenzene	12.915	91	734471	40.136	ug/l	97
80) 1,3,5-Trimethylbenzene	13.057	105	566357	44.120	ug/l	99
84) 1,2,4-Trimethylbenzene	13.362	105	4081594	324.244	ug/l	99
85) sec-Butylbenzene	13.498	105	52822m	3.304	ug/l	
86) p-Isopropyltoluene	13.610	119	24235	1.923	ug/l #	78
89) n-Butylbenzene	13.933	91	52454	5.158	ug/l #	81
95) Naphthalene	15.498	128	980039	84.997	ug/l	99

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

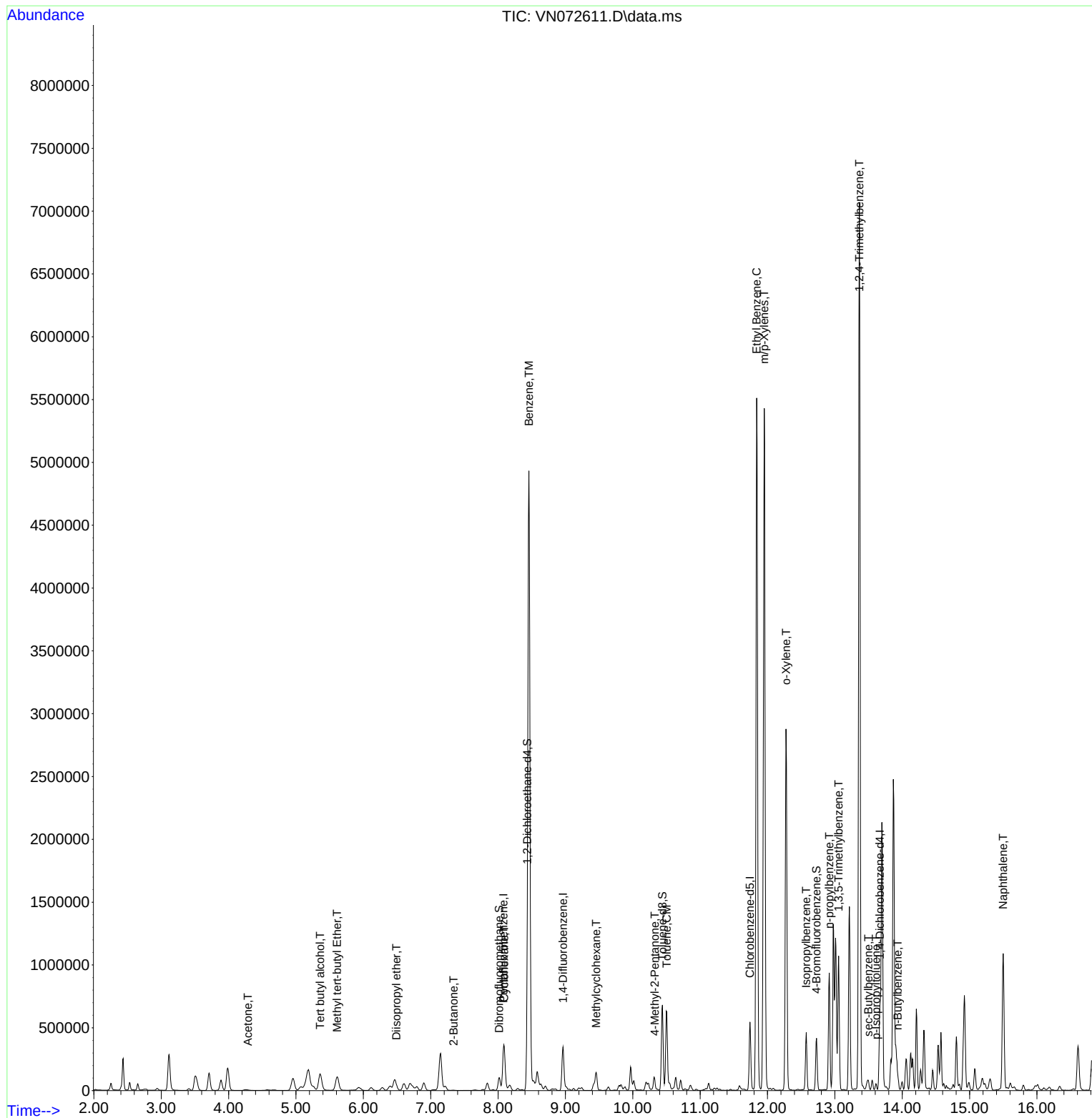
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052422\
Data File : VN072611.D
Acq On : 25 May 2022 01:20
Operator : JC\MD
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 31 Sample Multiplier: 1

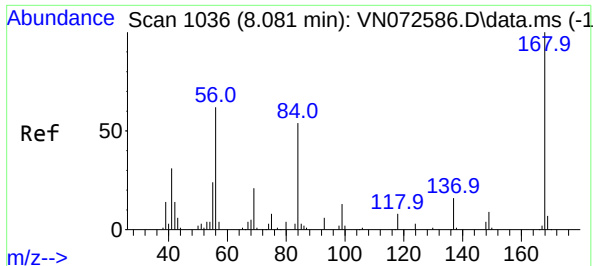
Instrument :
MSVOA_N
ClientSampleId :
DUP-051922

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Supervised By : Mahesh Dadoda 05/25/2022

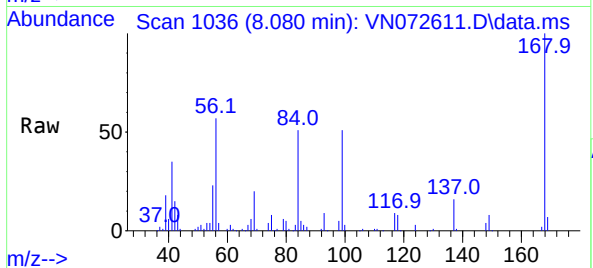
Quant Time: May 25 09:25:21 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N052422W.M
Quant Title : SW846 8260
QLast Update : Wed May 25 09:15:20 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

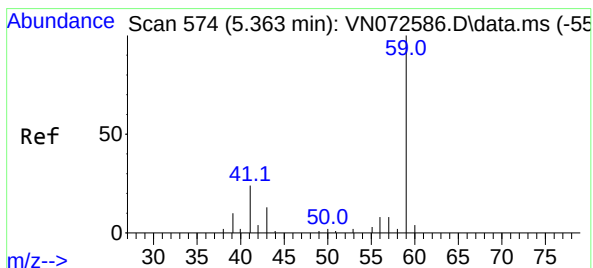
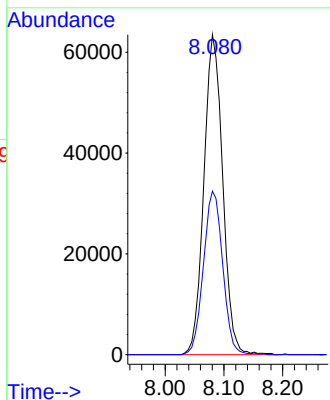
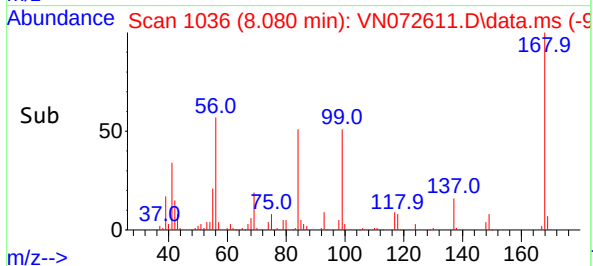
Instrument :
MSVOA_N
ClientSampleId :
DUP-051922



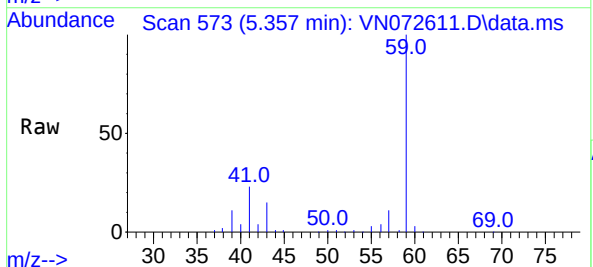
Tgt Ion:168 Resp: 141470
Ion Ratio Lower Upper
168 100
99 51.1 42.3 63.5

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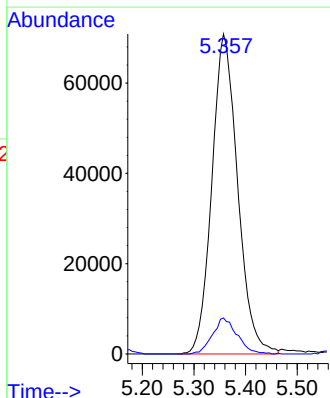
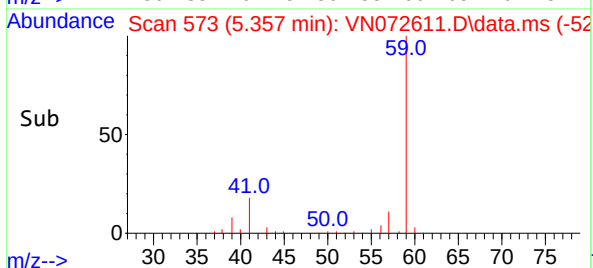
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

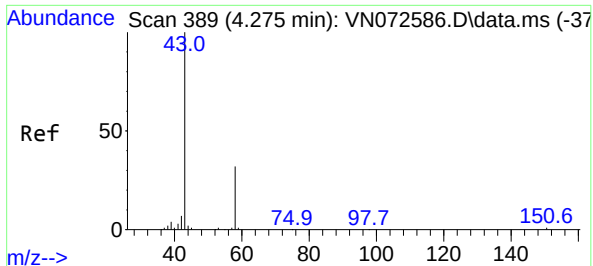


#11
Tert butyl alcohol
Concen: 810.062 ug/l
RT: 5.357 min Scan# 573
Delta R.T. -0.006 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20



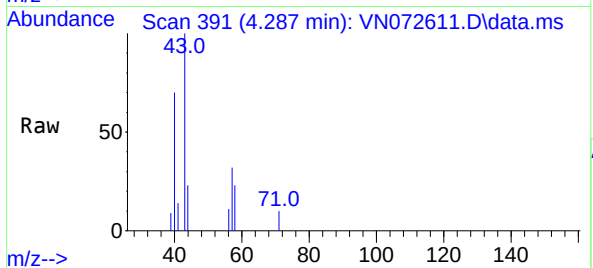
Tgt Ion: 59 Resp: 245483
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5





#16
Acetone
Concen: 11.284 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

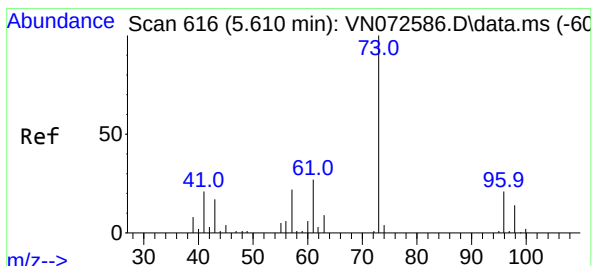
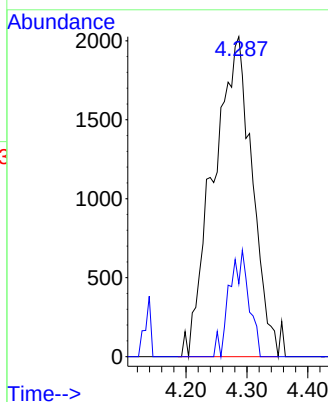
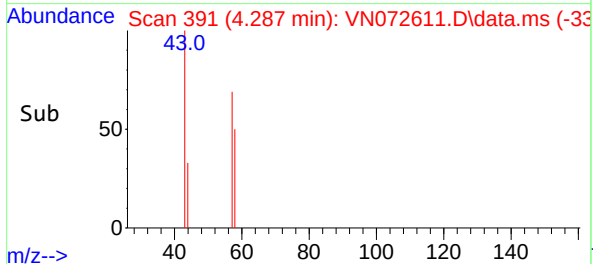
Instrument :
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DUP-051922



Tgt Ion: 43 Resp: 8920
Ion Ratio Lower Upper
43 100
58 22.8 26.0 39.0

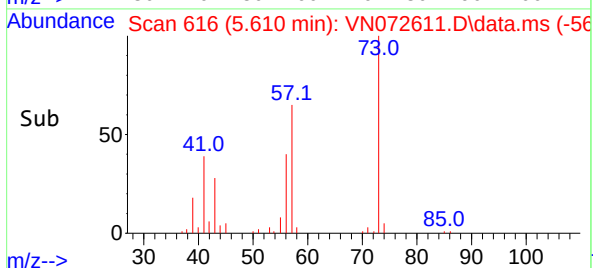
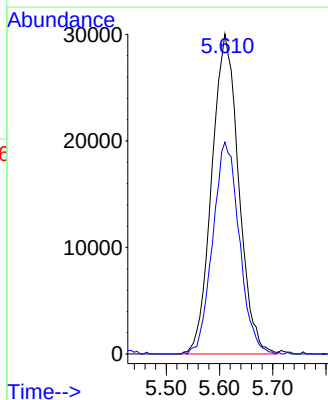
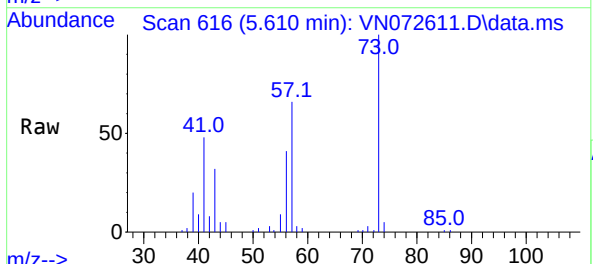
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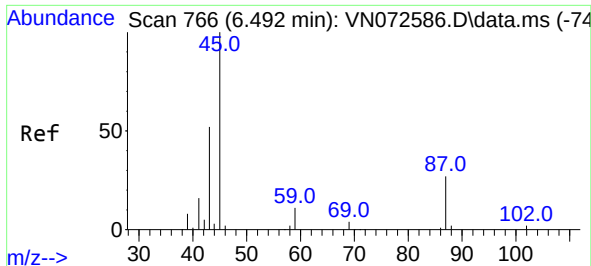
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#19
Methyl tert-butyl Ether
Concen: 23.879 ug/l
RT: 5.610 min Scan# 616
Delta R.T. 0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

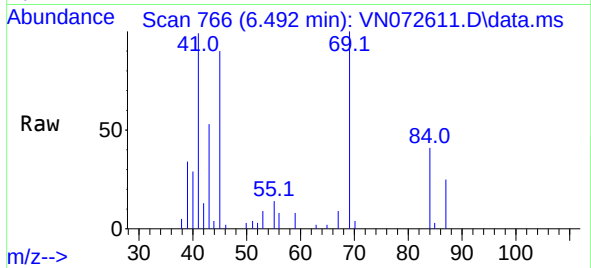
Tgt Ion: 73 Resp: 105313
Ion Ratio Lower Upper
73 100
57 66.2 17.6 26.4





#22
Diisopropyl ether
Concen: 4.985 ug/l
RT: 6.492 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

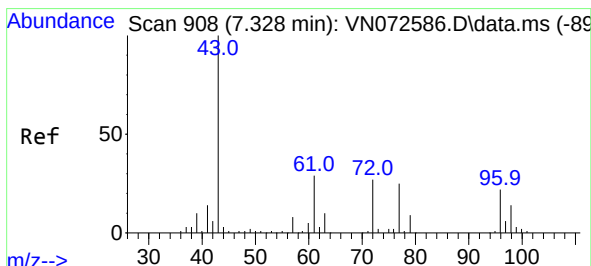
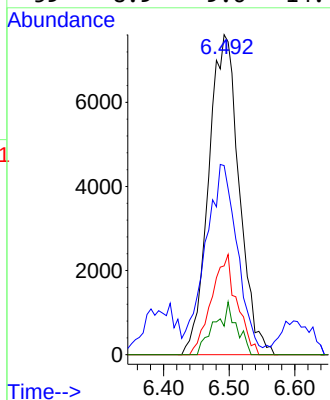
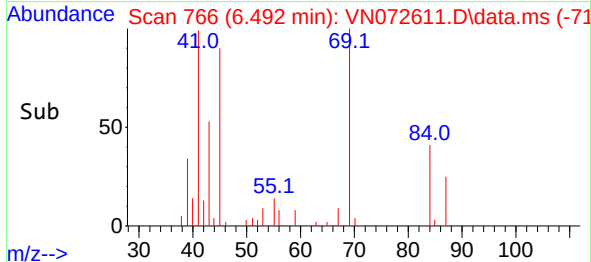
Instrument :
MSVOA_N
ClientSampleId :
DUP-051922



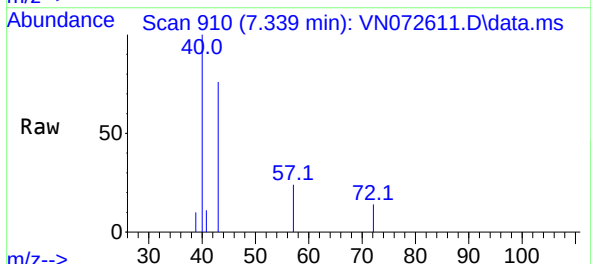
Tgt Ion: 45 Resp: 2458
Ion Ratio Lower Upper
45 100
43 53.8 46.6 70.0
87 27.7 24.3 36.5
59 8.9 9.6 14.4#

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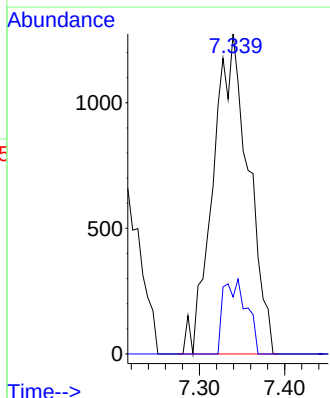
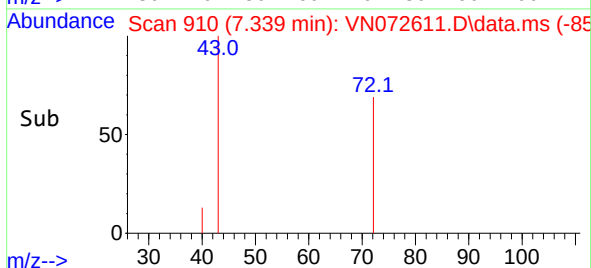
Reviewed By :John Carlone 05/25/2022
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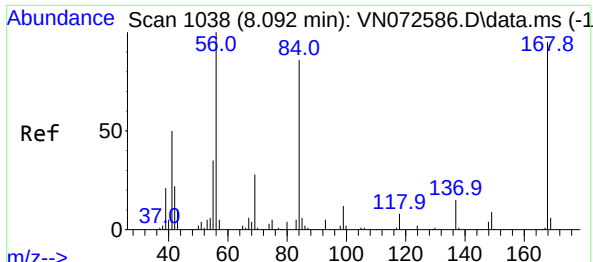


#25
2-Butanone
Concen: 2.765 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20



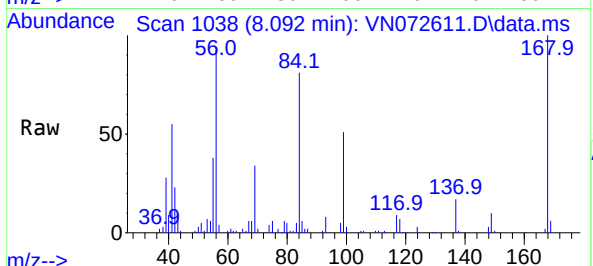
Tgt Ion: 43 Resp: 3691
Ion Ratio Lower Upper
43 100
72 17.8 23.7 35.5#





#31
Cyclohexane
Concen: 46.993 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

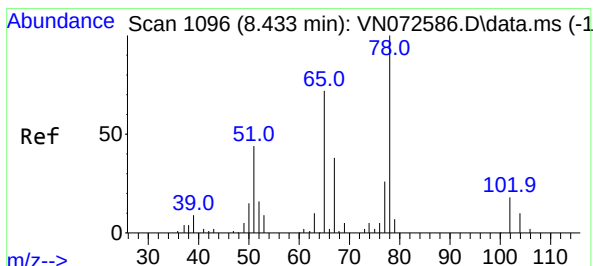
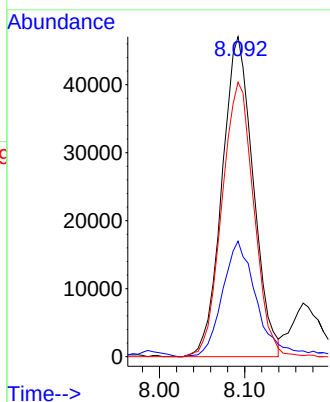
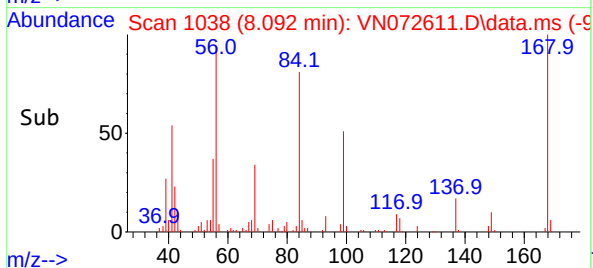
Instrument :
MSVOA_N
ClientSampleId :
DUP-051922



Tgt Ion: 56 Resp: 11979
Ion Ratio Lower Upper
56 100
69 36.1 27.8 41.8
84 85.8 76.9 115.3

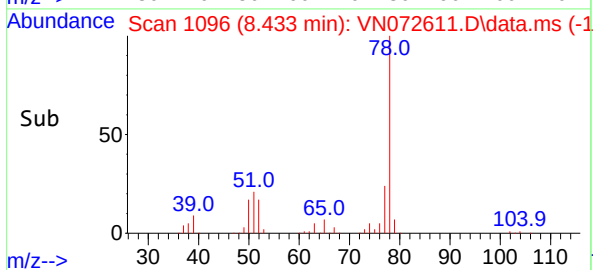
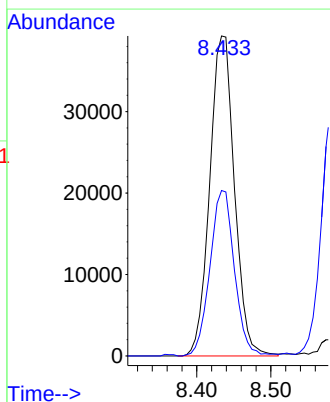
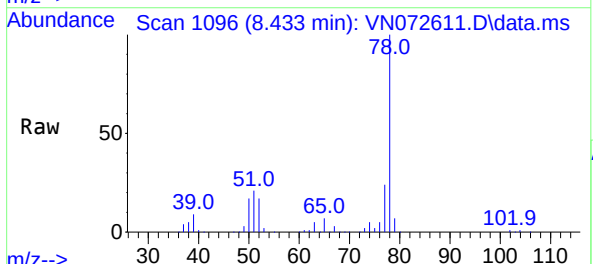
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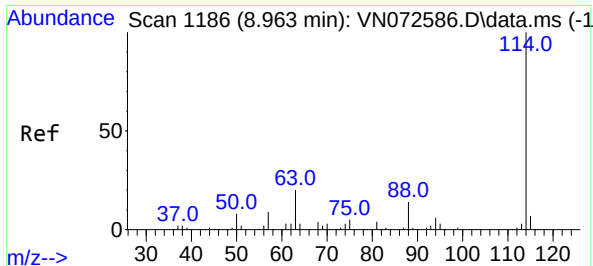
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#33
1,2-Dichloroethane-d4
Concen: 56.597 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

Tgt Ion: 65 Resp: 91082
Ion Ratio Lower Upper
65 100
67 51.2 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: VN072611.D
Acq: 25 May 2022 01:20

Instrument :

MSVOA_N

ClientSampleId :

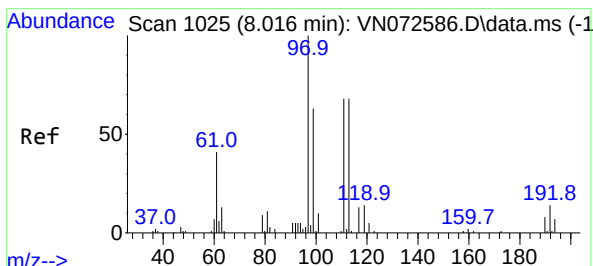
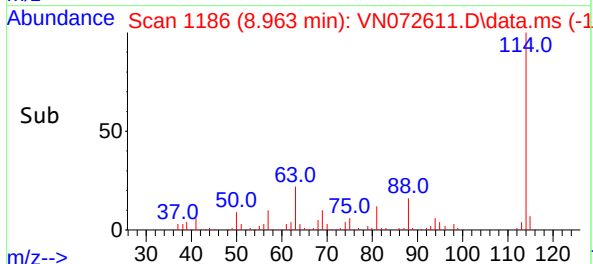
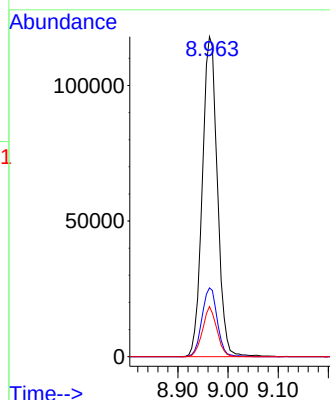
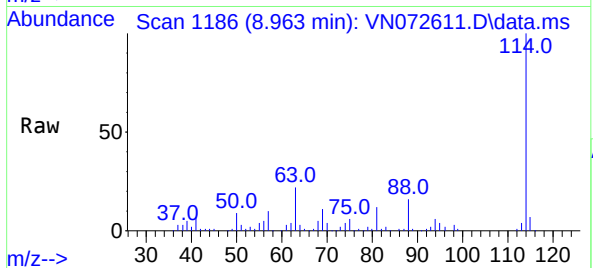
DUP-051922

Tgt Ion:114 Resp: 24650
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.0
88 15.6 0.0 32.6

Manual Integrations

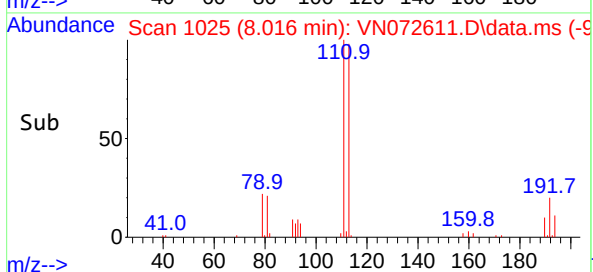
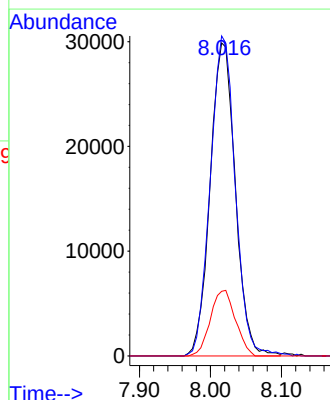
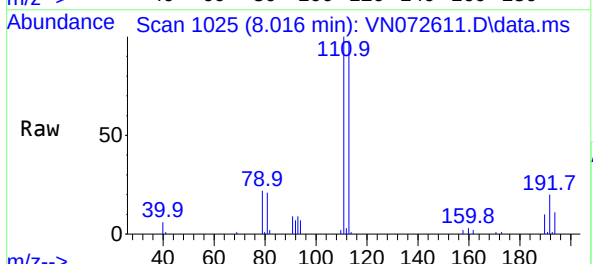
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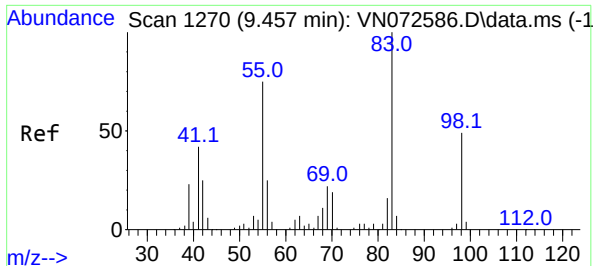
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#35
Dibromofluoromethane
Concen: 45.957 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

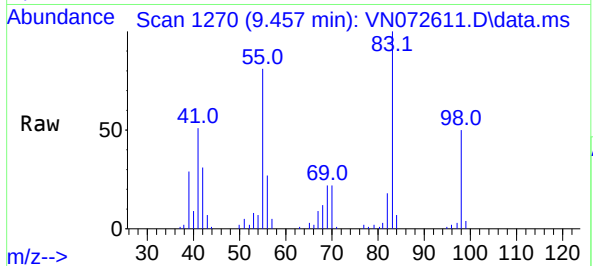
Tgt Ion:113 Resp: 73424
Ion Ratio Lower Upper
113 100
111 101.6 81.4 122.0
192 20.9 17.0 25.6





#39
Methylcyclohexane
Concen: 22.184 ug/l
RT: 9.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

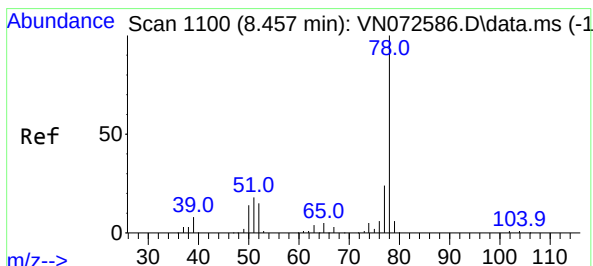
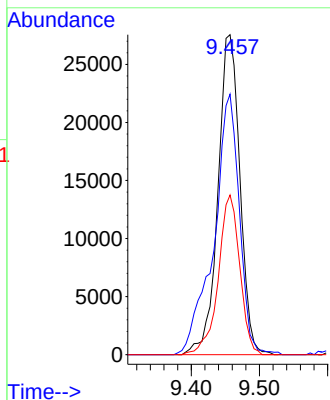
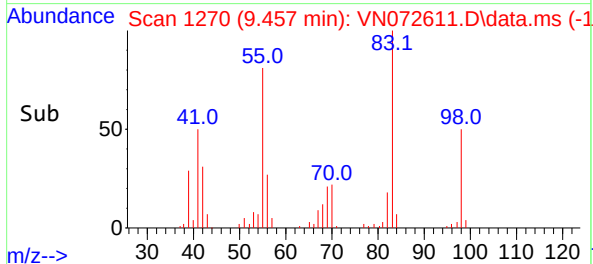
Instrument :
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Tgt Ion: 83 Resp: 6178
Ion Ratio Lower Upper
83 100
55 80.8 57.8 86.8
98 49.9 39.4 59.2

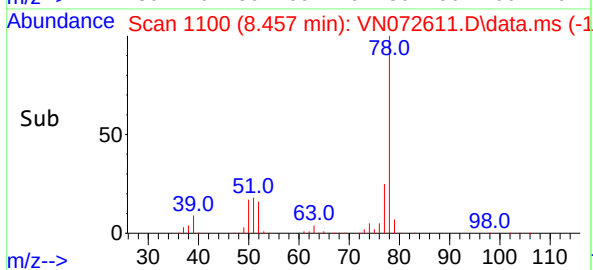
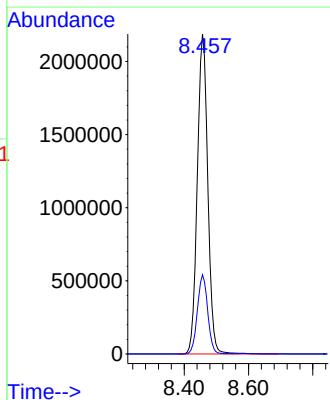
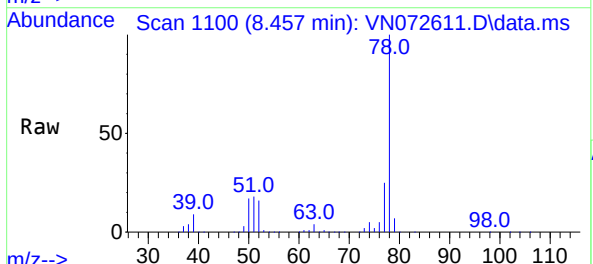
Manual Integrations
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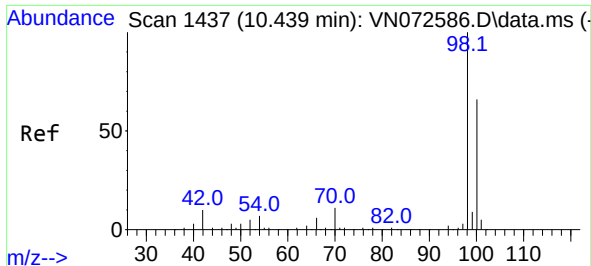
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#40
Benzene
Concen: 676.607 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

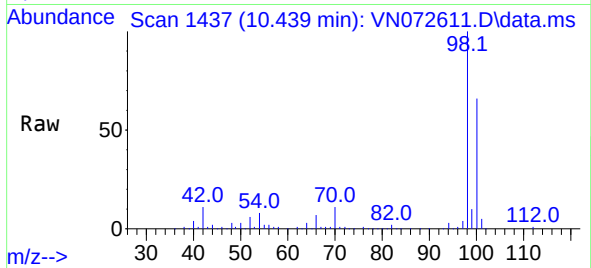
Tgt Ion: 78 Resp: 4935060
Ion Ratio Lower Upper
78 100
77 24.7 19.4 29.0





#50
Toluene-d8
Concen: 76.005 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

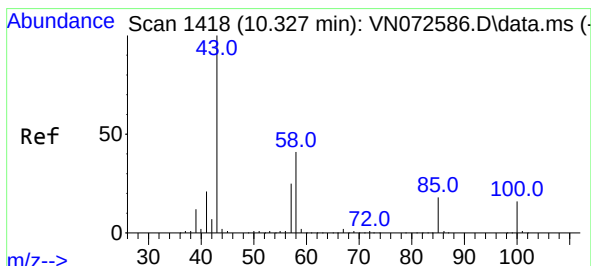
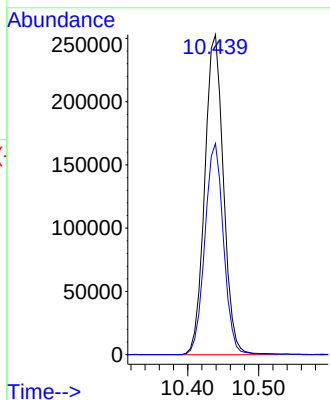
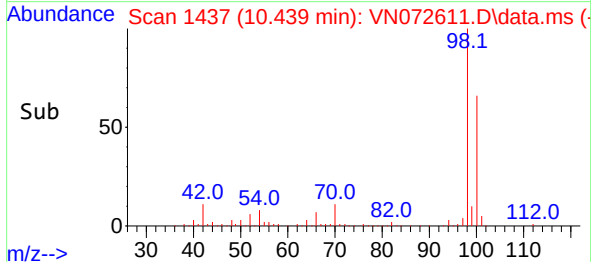
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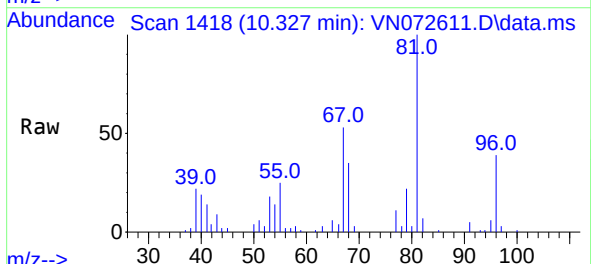
Tgt Ion: 98 Resp: 463670
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8

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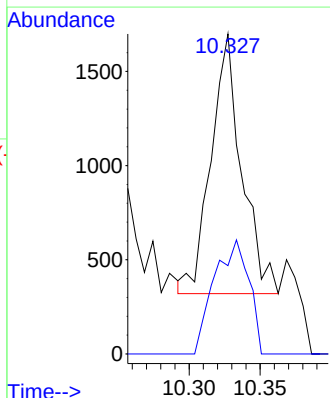
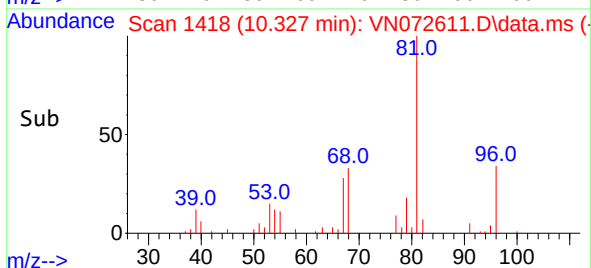
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

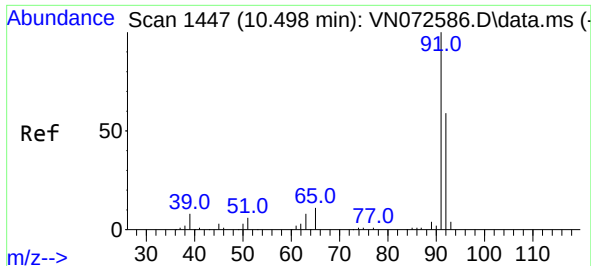


#51
4-Methyl-2-Pentanone
Concen: 0.722 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. 0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20



Tgt Ion: 43 Resp: 2071
Ion Ratio Lower Upper
43 100
58 49.7 34.1 51.1





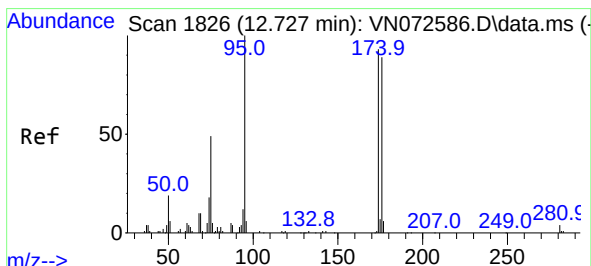
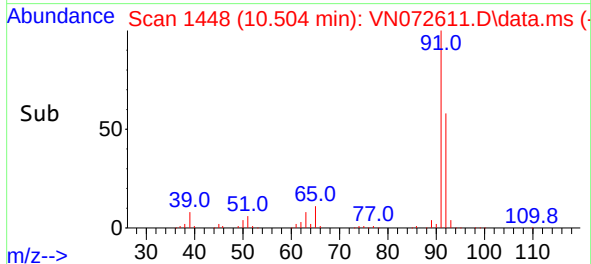
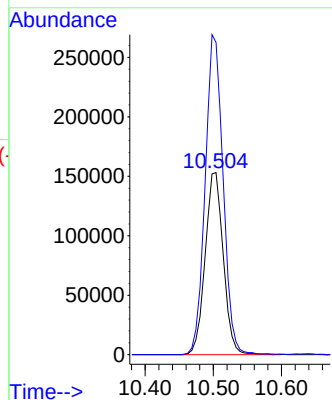
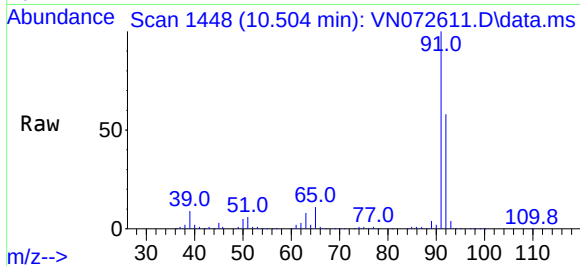
#52
Toluene
Concen: 61.221 ug/l
RT: 10.504 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

Instrument :
MSVOA_N
ClientSampleId :
DUP-051922

Tgt Ion: 92 Resp: 282770
Ion Ratio Lower Upper
92 100
91 174.4 138.6 207.8

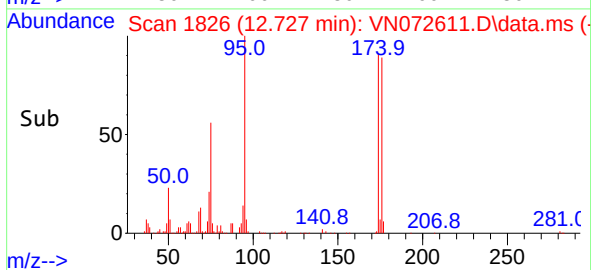
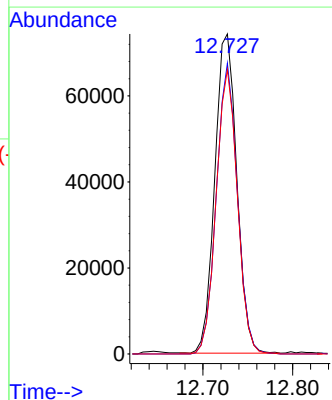
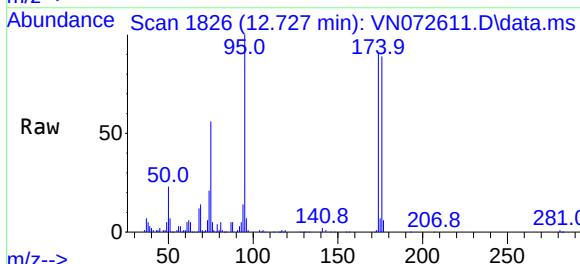
Manual Integrations
APPROVED

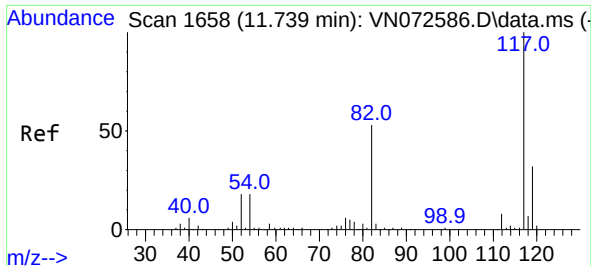
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#62
4-Bromofluorobenzene
Concen: 63.649 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

Tgt Ion: 95 Resp: 126288
Ion Ratio Lower Upper
95 100
174 87.1 0.0 167.6
176 85.9 0.0 163.4





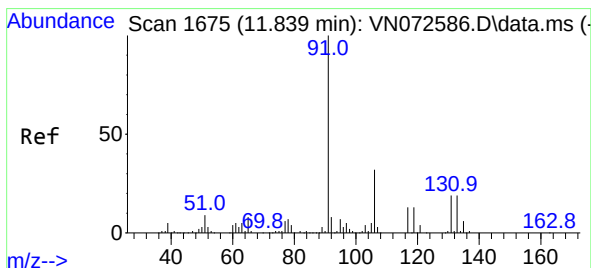
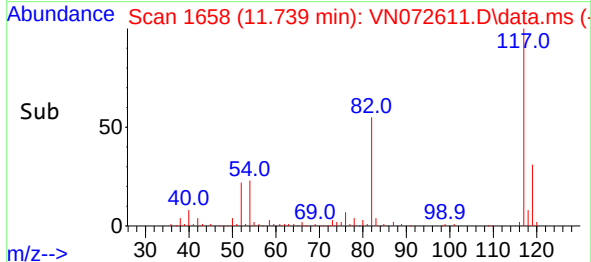
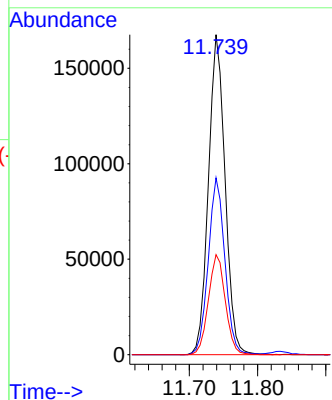
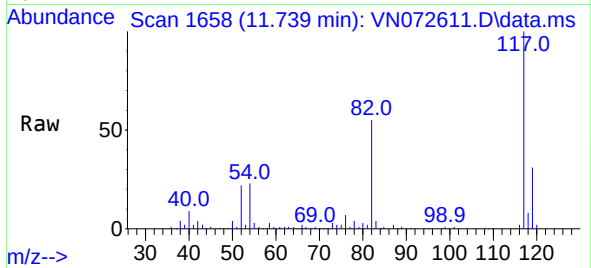
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

Instrument :
MSVOA_N
ClientSampleId :
DUP-051922

Tgt Ion:117 Resp: 284829
Ion Ratio Lower Upper
117 100
82 55.2 44.2 66.2
119 31.2 25.4 38.0

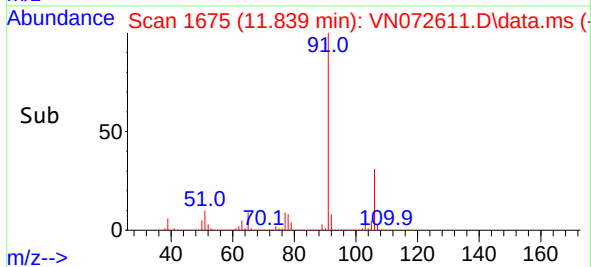
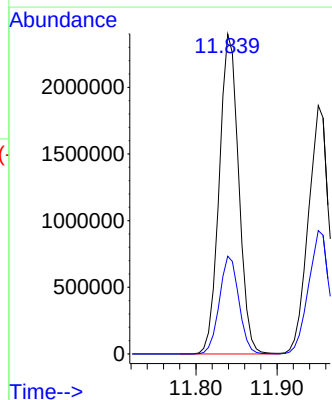
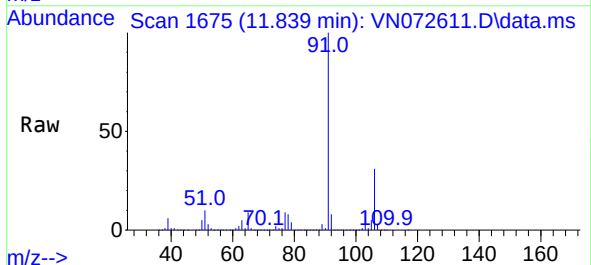
Manual Integrations
APPROVED

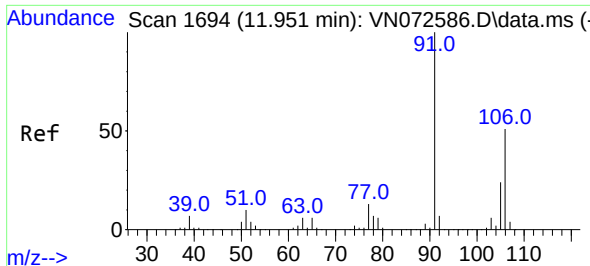
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#67
Ethyl Benzene
Concen: 368.299 ug/l
RT: 11.839 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

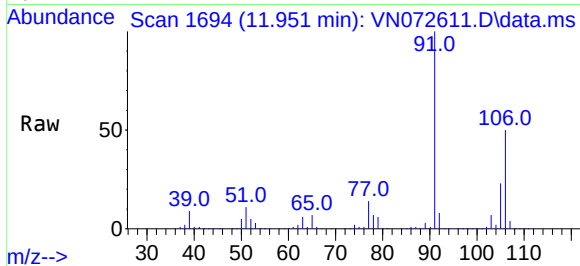
Tgt Ion: 91 Resp: 3995424
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3





#68
m/p-Xylenes
Concen: 397.720 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. -0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

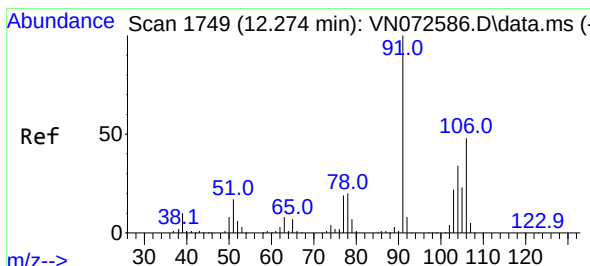
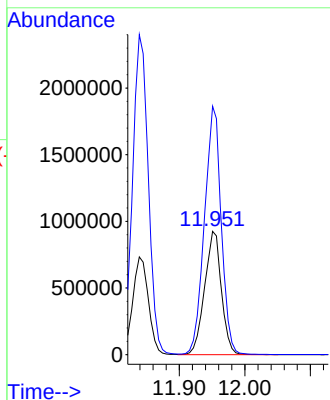
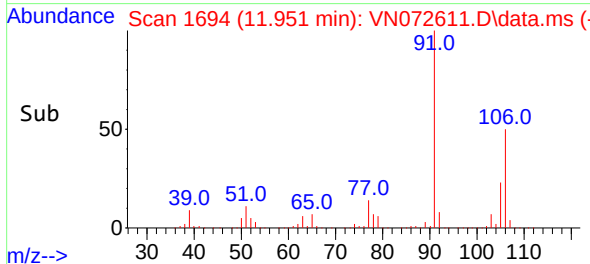
Instrument :
MSVOA_N
ClientSampleId :
DUP-051922



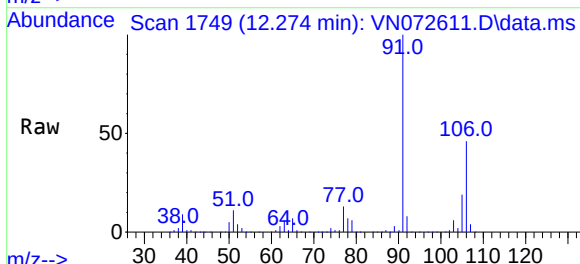
Tgt Ion:106 Resp: 1644560
Ion Ratio Lower Upper
106 100
91 201.7 158.9 238.3

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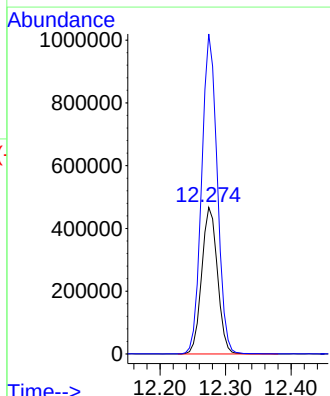
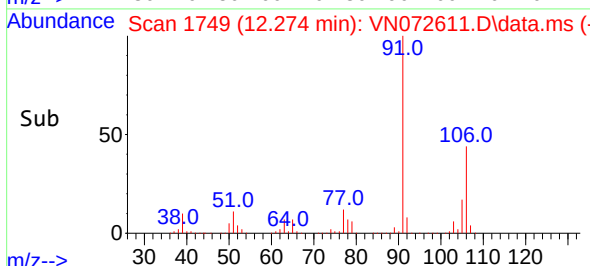
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022

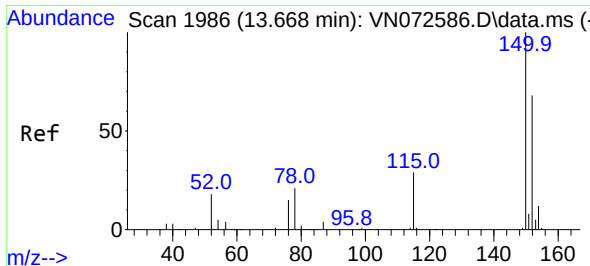


#69
o-Xylene
Concen: 195.228 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20



Tgt Ion:106 Resp: 780373
Ion Ratio Lower Upper
106 100
91 216.2 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. 0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

Instrument :

MSVOA_N

ClientSampleId :

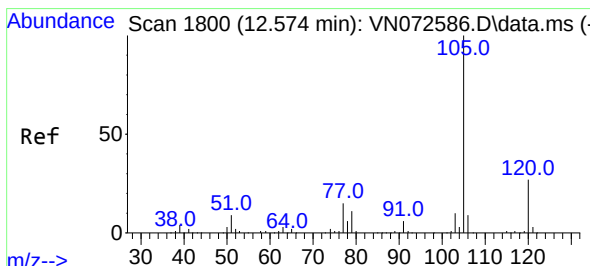
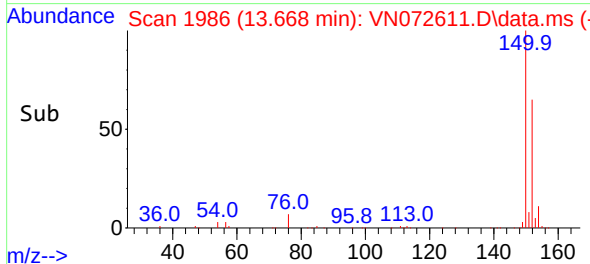
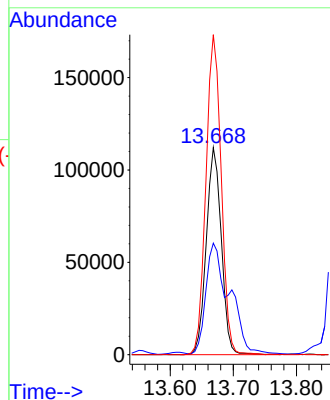
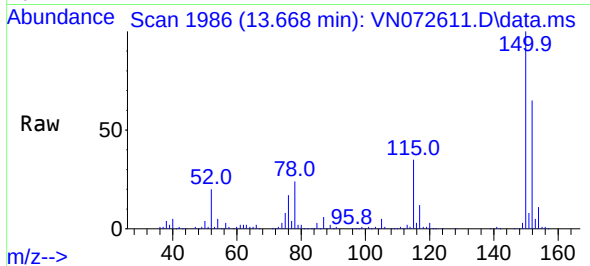
DUP-051922

Tgt Ion:152 Resp: 18527
Ion Ratio Lower Upper
152 100
115 84.1 28.9 86.7
150 156.7 0.0 356.2

Manual Integrations

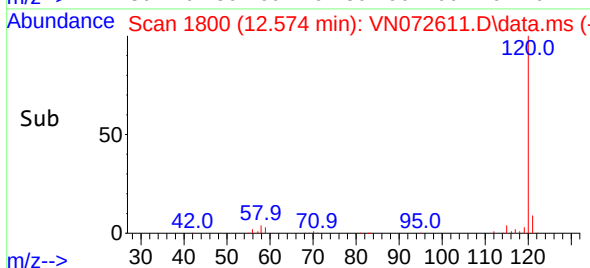
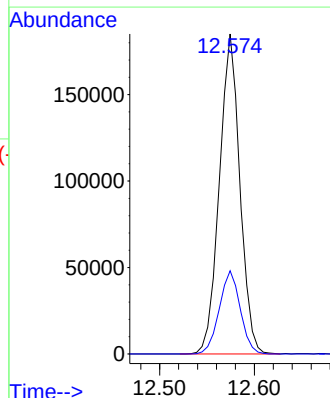
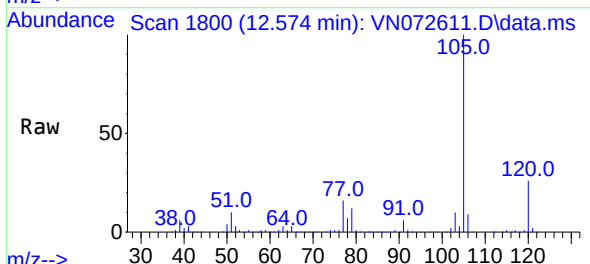
APPROVED

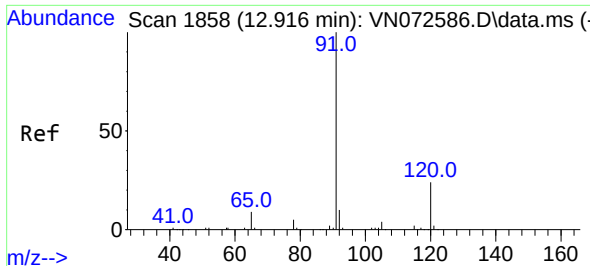
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#73
Isopropylbenzene
Concen: 16.869 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. 0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

Tgt Ion:105 Resp: 278397
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.4





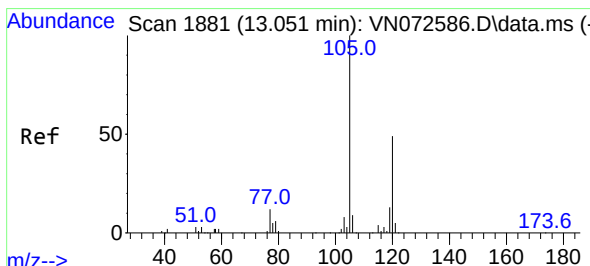
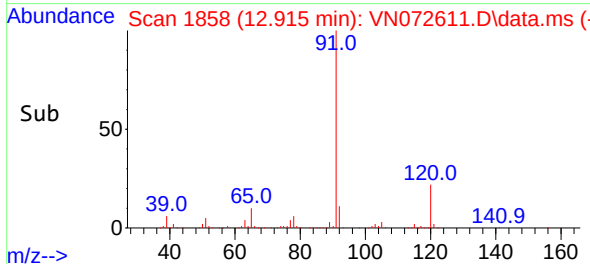
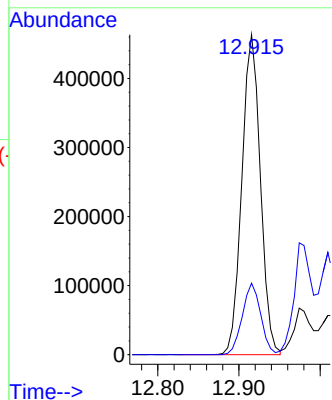
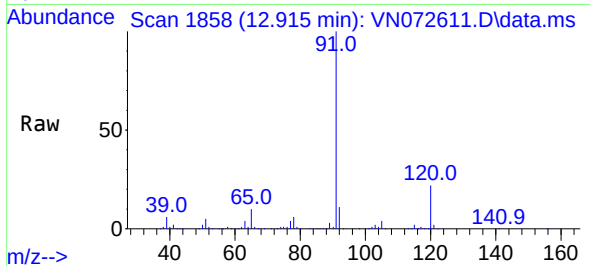
#78
n-propylbenzene
Concen: 40.136 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

Instrument :
MSVOA_N
ClientSampleId :
DUP-051922

Tgt Ion: 91 Resp: 73447
Ion Ratio Lower Upper
91 100
120 22.1 11.9 35.5

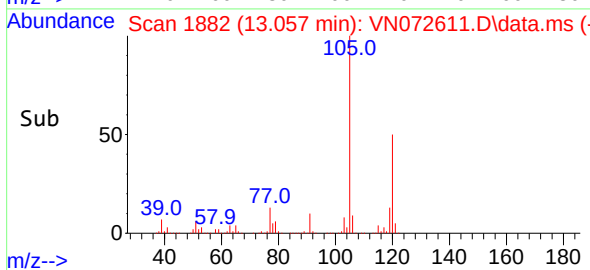
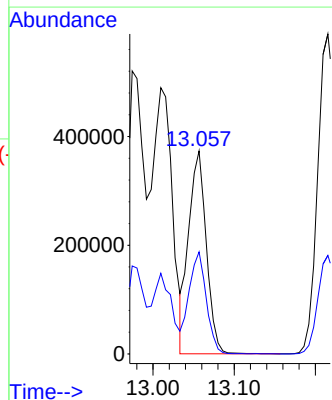
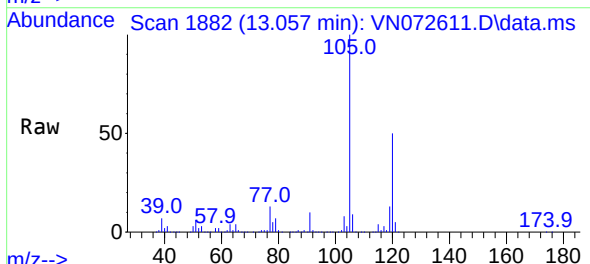
Manual Integrations
APPROVED

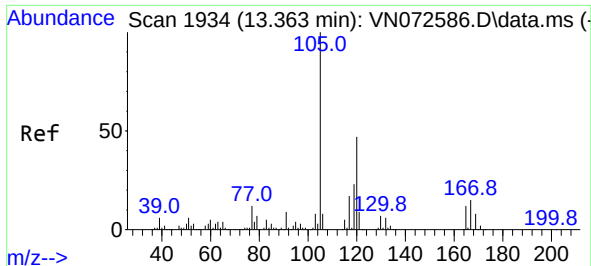
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#80
1,3,5-Trimethylbenzene
Concen: 44.120 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. 0.006 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

Tgt Ion:105 Resp: 566357
Ion Ratio Lower Upper
105 100
120 49.3 24.9 74.7





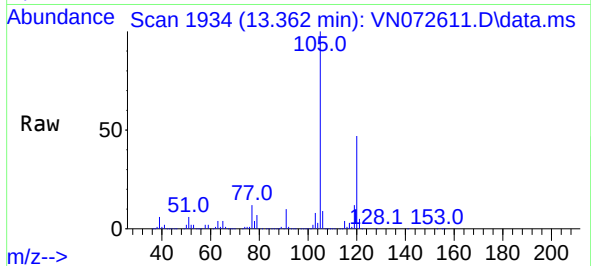
#84
1,2,4-Trimethylbenzene
Concen: 324.244 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. -0.001 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

Instrument :

MSVOA_N

ClientSampleId :

DUP-051922



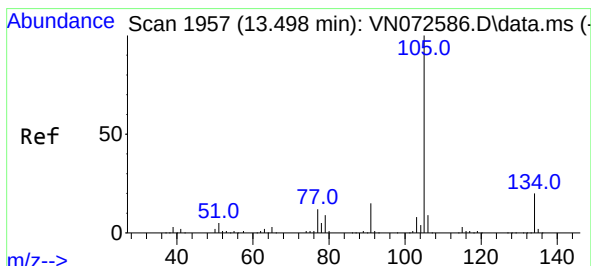
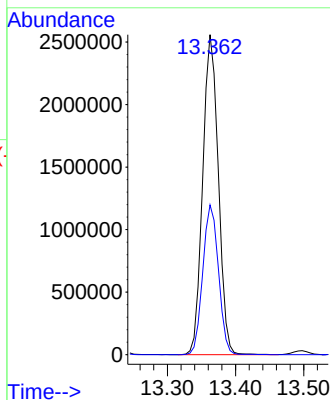
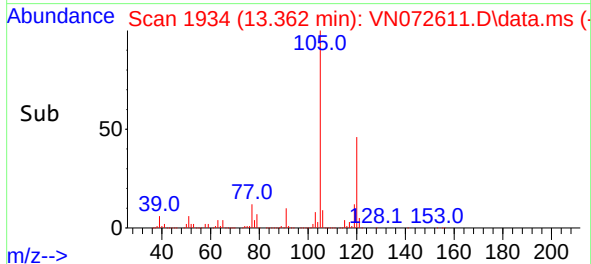
Tgt Ion:105 Resp: 4081594
Ion Ratio Lower Upper
105 100
120 47.1 23.3 69.8

Manual Integrations

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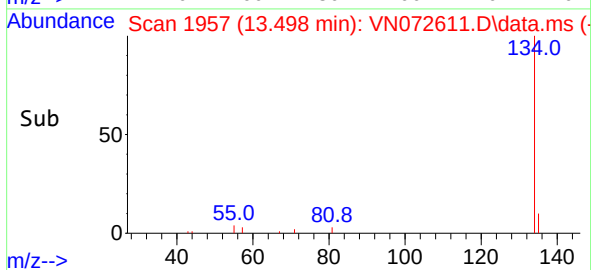
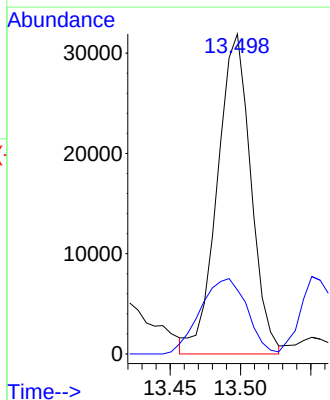
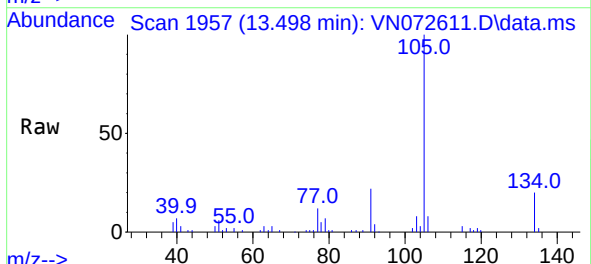
Reviewed By :John Carlone 05/25/2022

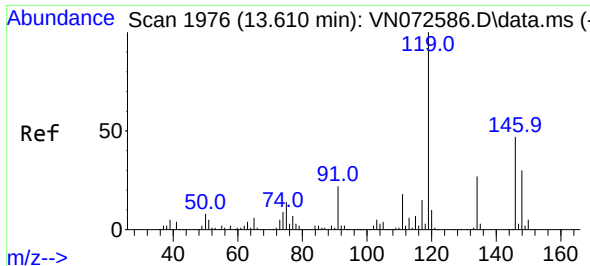
Supervised By :Mahesh Dadoda 05/25/2022



#85
sec-Butylbenzene
Concen: 3.304 ug/l m
RT: 13.498 min Scan# 1957
Delta R.T. -0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

Tgt Ion:105 Resp: 52822
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#86
p-Isopropyltoluene
Concen: 1.923 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

Instrument :

MSVOA_N

ClientSampleId :

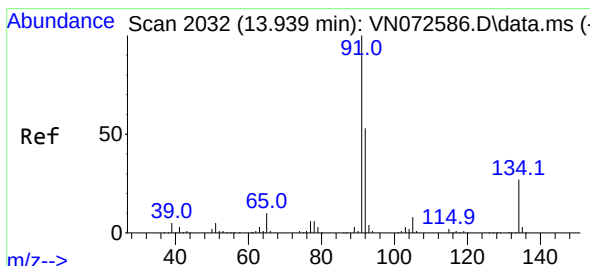
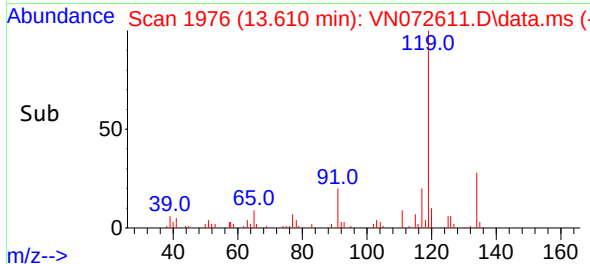
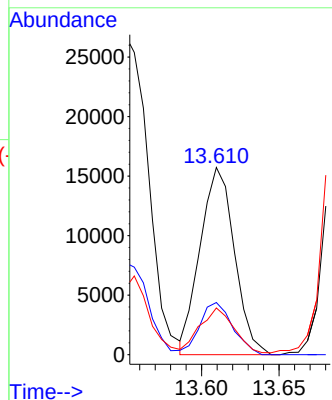
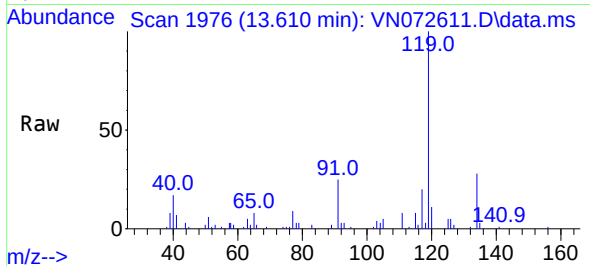
DUP-051922

Tgt Ion:119 Resp: 2423
Ion Ratio Lower Upper
119 100
134 27.2 13.3 39.8
91 0.0 11.3 33.9

Manual Integrations

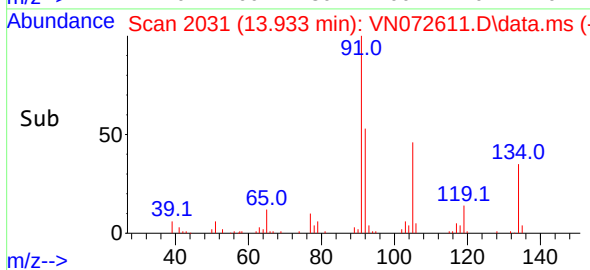
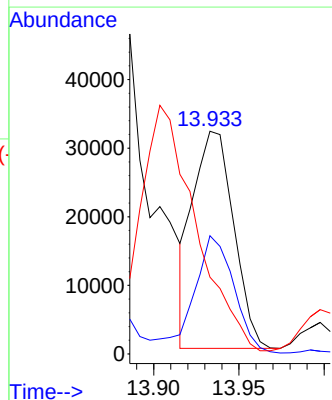
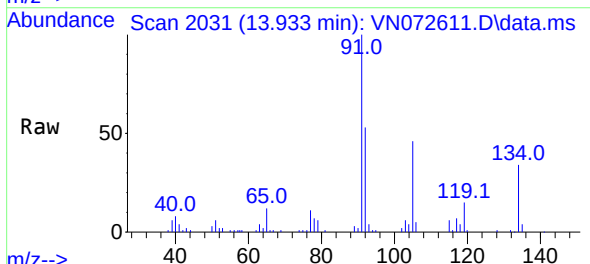
APPROVED

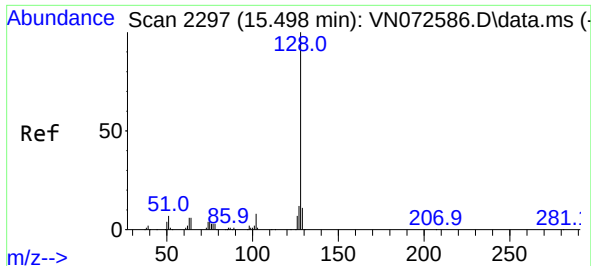
Reviewed By :John Carlone 05/25/2022
Supervised By :Mahesh Dadoda 05/25/2022



#89
n-Butylbenzene
Concen: 5.158 ug/l
RT: 13.933 min Scan# 2031
Delta R.T. -0.006 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

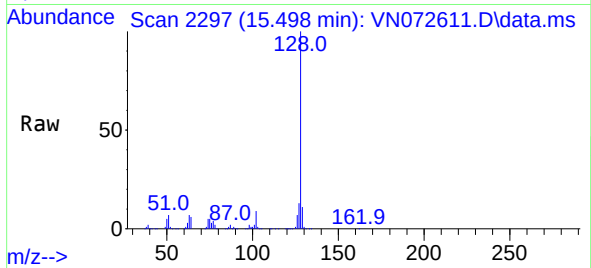
Tgt Ion: 91 Resp: 52454
Ion Ratio Lower Upper
91 100
92 52.4 26.9 80.7
134 0.0 13.6 40.8





#95
Naphthalene
Concen: 84.997 ug/l
RT: 15.498 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072611.D
Acq: 25 May 2022 01:20

Instrument :
MSVOA_N
ClientSampleId :
DUP-051922



Tgt Ion:128 Resp: 980039
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 10.9 8.6 13.0

Manual Integrations
APPROVED

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

