

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
 Data File : VN072772.D
 Acq On : 10 Jun 2022 18:12
 Operator : JC\MD
 Sample : N3293-13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 40805

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/11/2022
 Supervised By : Mahesh Dadoda 06/13/2022

Quant Time: Jun 11 01:55:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	168222	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.969	114	324068	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.745	117	303262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	131067	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	245348	54.341	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.680%			
35) Dibromofluoromethane	8.022	113	176263	54.969	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.940%			
50) Toluene-d8	10.439	98	585182	45.740	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 91.480%			
62) 4-Bromofluorobenzene	12.727	95	253283	57.694	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 115.380%			
Target Compounds						Qvalue
16) Acetone	4.293	43	97212	44.934	ug/l	91
18) Methyl Acetate	4.869	43	10398	1.847	ug/l #	84
19) Methyl tert-butyl Ether	5.616	73	8852	0.806	ug/l #	64
22) Diisopropyl ether	6.498	45	20513	1.806	ug/l #	82
25) 2-Butanone	7.339	43	21278	6.114	ug/l	93
31) Cyclohexane	8.086	56	11645	1.750	ug/l #	68
39) Methylcyclohexane	9.451	83	5372	1.040	ug/l #	87
40) Benzene	8.457	78	521163	38.585	ug/l	99
51) 4-Methyl-2-Pentanone	10.327	43	6523	0.930	ug/l	93
52) Toluene	10.504	92	2606170	309.038	ug/l	100
67) Ethyl Benzene	11.845	91	911496	59.987	ug/l	99
68) m/p-Xylenes	11.945	106	1308655	242.350	ug/l	90
69) o-Xylene	12.274	106	756988	139.458	ug/l	89
73) Isopropylbenzene	12.574	105	49743	3.538	ug/l	96
78) n-propylbenzene	12.916	91	187355	12.205	ug/l	96
80) 1,3,5-Trimethylbenzene	13.057	105	330133	29.636	ug/l	96
84) 1,2,4-Trimethylbenzene	13.363	105	1602960	150.391	ug/l	96
85) sec-Butylbenzene	13.504	105	12028m	0.911	ug/l	
86) p-Isopropyltoluene	13.615	119	8892m	0.856	ug/l	
89) n-Butylbenzene	13.939	91	16922m	1.934	ug/l	
95) Naphthalene	15.504	128	1173326	136.249	ug/l	100

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

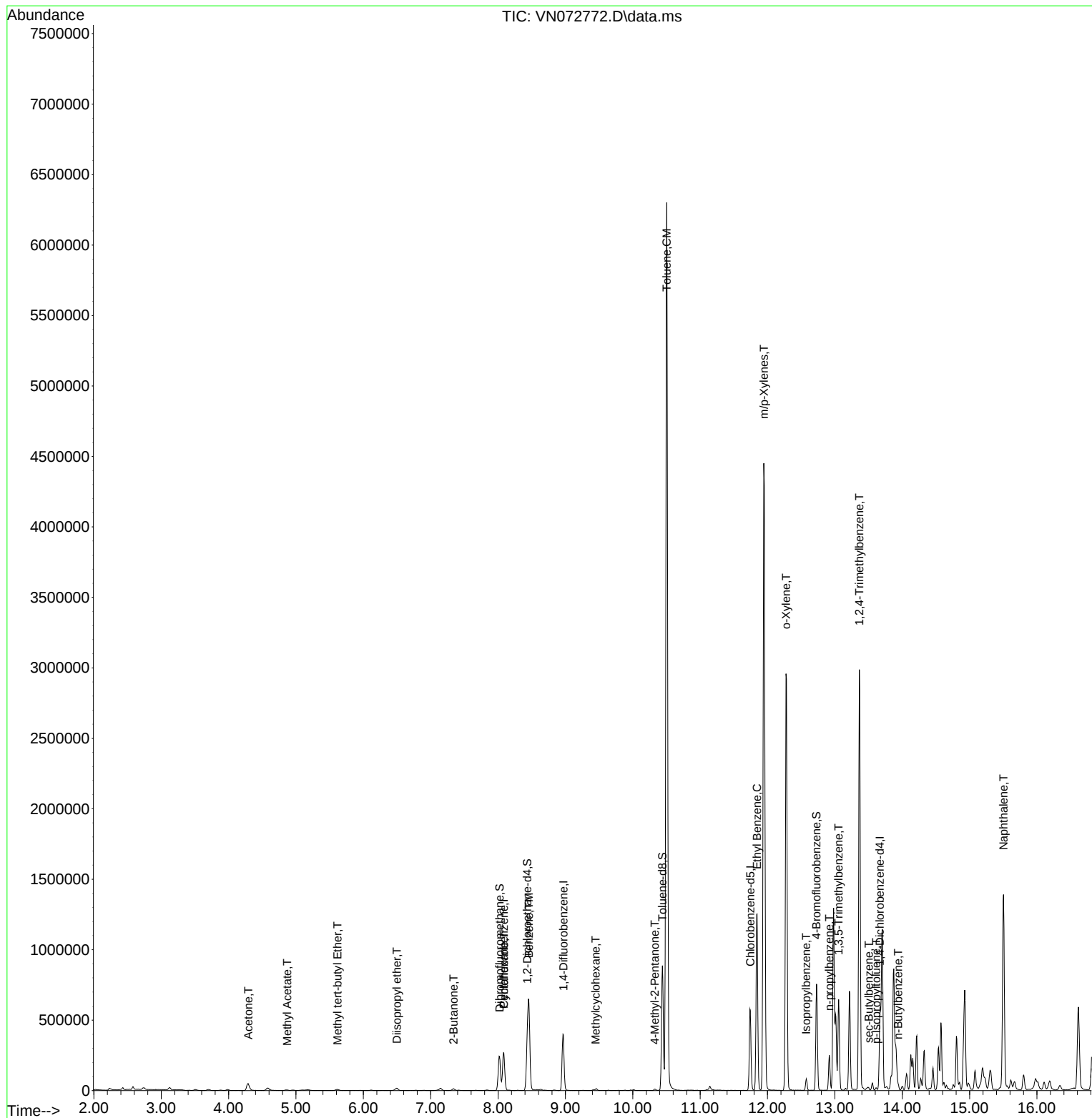
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
Data File : VN072772.D
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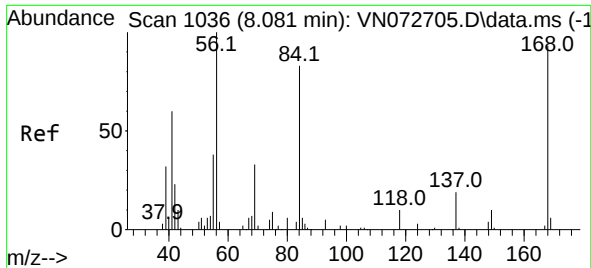
Instrument :
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ClientSampleId :
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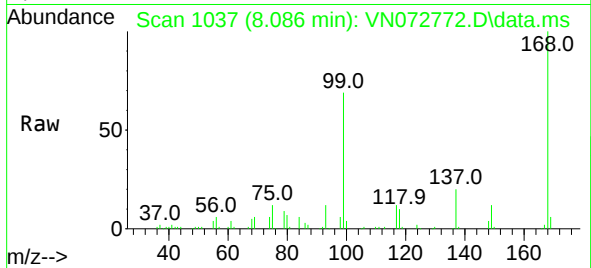
Quant Time: Jun 11 01:55:56 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 09 05:17:31 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 1036
Delta R.T. 0.005 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

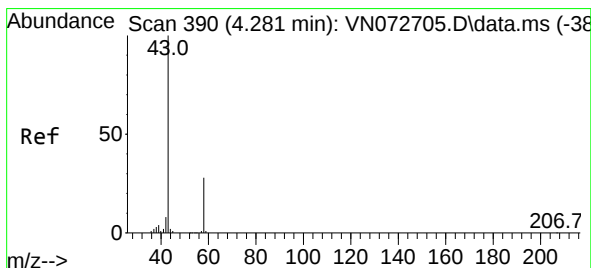
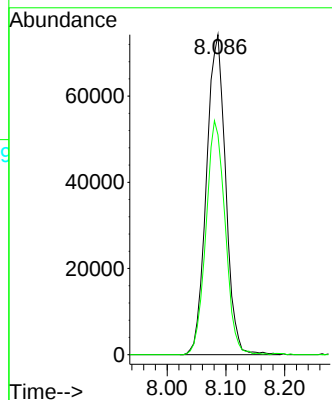
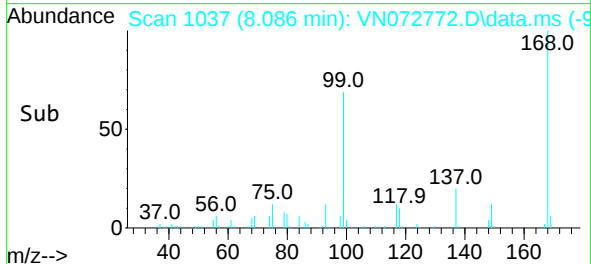
Instrument :
MSVOA_N
ClientSampleId :
40805



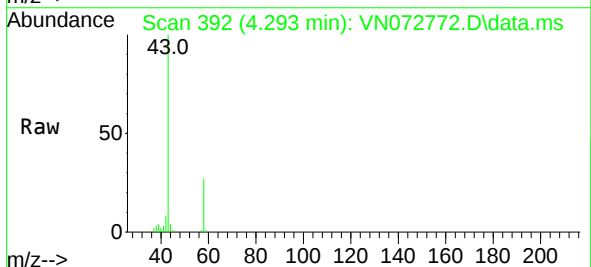
Tgt Ion:168 Resp: 16822
Ion Ratio Lower Upper
168 100
99 68.7 42.3 63.5

Manual Integrations
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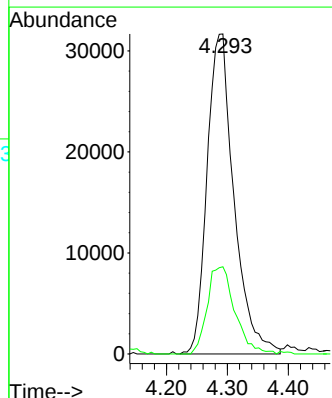
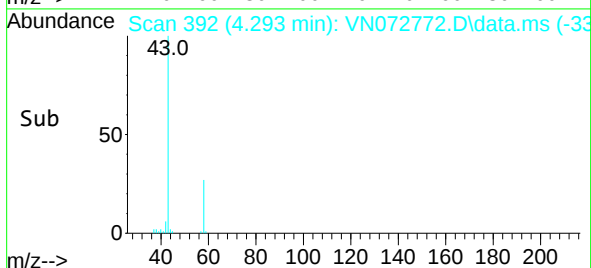
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

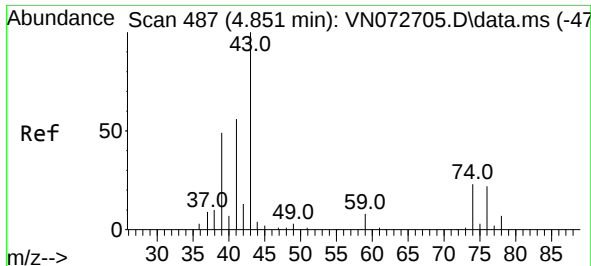


#16
Acetone
Concen: 44.934 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12



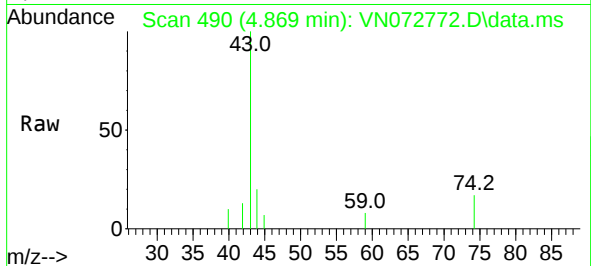
Tgt Ion: 43 Resp: 97212
Ion Ratio Lower Upper
43 100
58 27.2 26.0 39.0





#18
Methyl Acetate
Concen: 1.847 ug/l
RT: 4.869 min Scan# 490
Delta R.T. 0.018 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

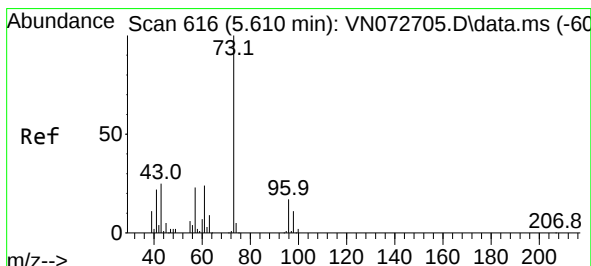
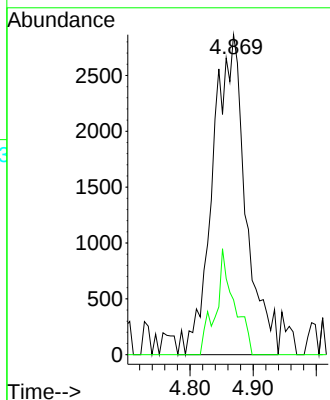
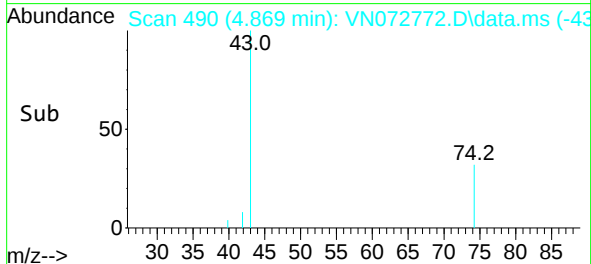
Instrument :
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40805



Tgt Ion: 43 Resp: 10398
Ion Ratio Lower Upper
43 100
74 18.7 21.6 32.4

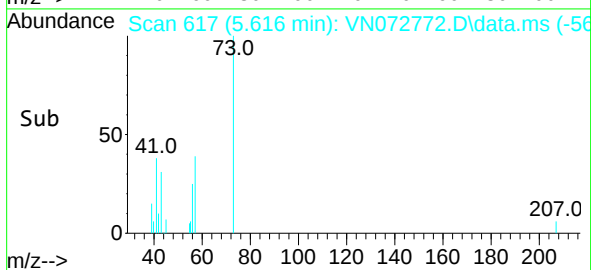
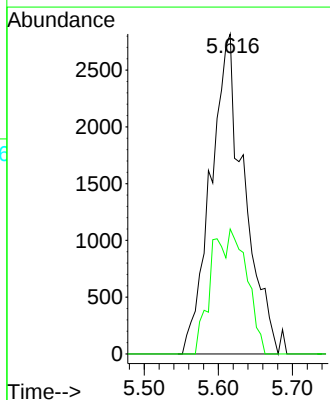
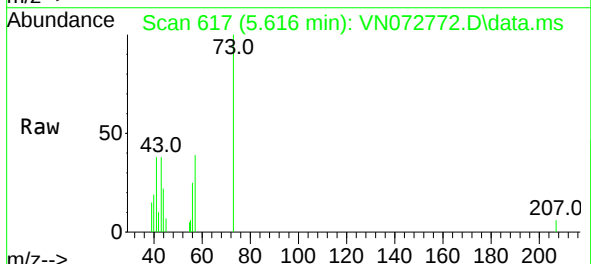
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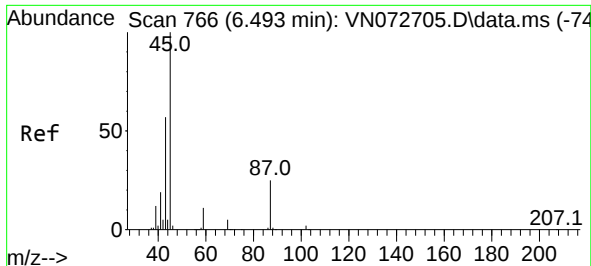
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022



#19
Methyl tert-butyl Ether
Concen: 0.806 ug/l
RT: 5.616 min Scan# 617
Delta R.T. 0.006 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

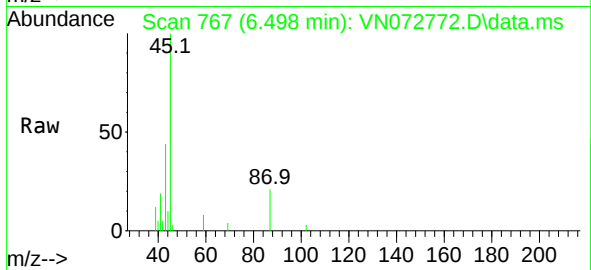
Tgt Ion: 73 Resp: 8852
Ion Ratio Lower Upper
73 100
57 39.0 17.6 26.4





#22
Diisopropyl ether
Concen: 1.806 ug/l
RT: 6.498 min Scan# 705
Delta R.T. 0.005 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

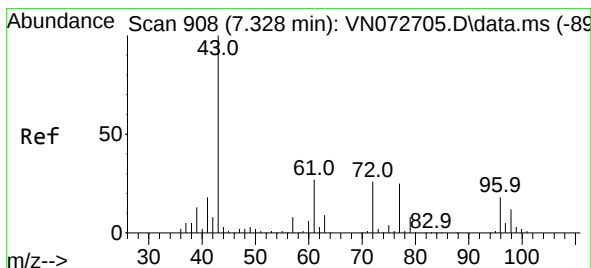
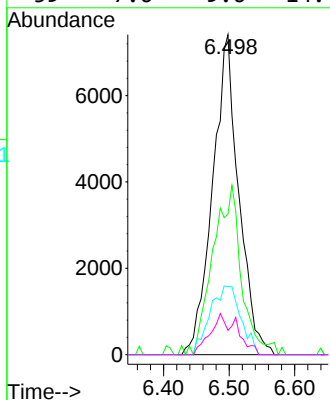
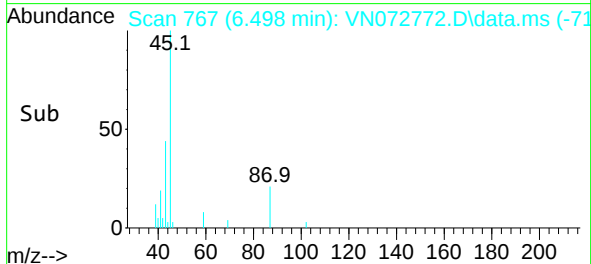
Instrument :
MSVOA_N
Client SampleId :
40805



Tgt Ion: 45 Resp: 2051
Ion Ratio Lower Upper
45 100
43 43.9 46.6 70.0
87 21.3 24.3 36.5
59 7.6 9.6 14.4

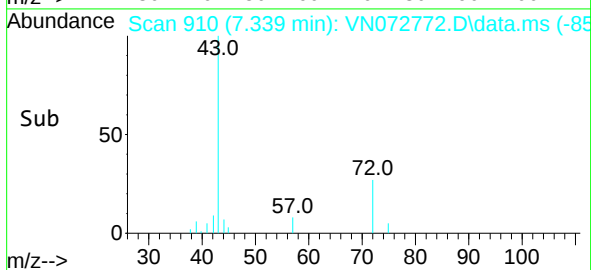
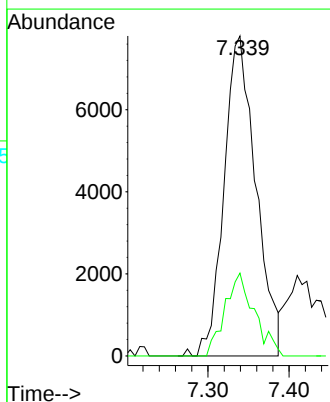
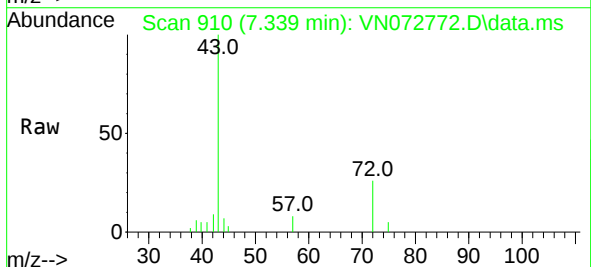
Manual Integrations
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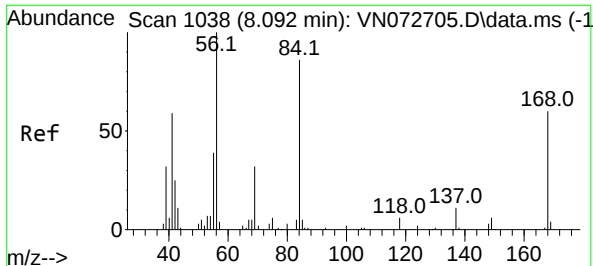
Reviewed By :John Carlone 06/11/2022
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#25
2-Butanone
Concen: 6.114 ug/l
RT: 7.339 min Scan# 910
Delta R.T. 0.011 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

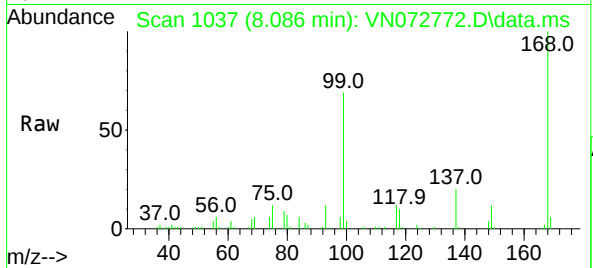
Tgt Ion: 43 Resp: 21278
Ion Ratio Lower Upper
43 100
72 25.9 23.7 35.5





#31
Cyclohexane
Concen: 1.750 ug/l
RT: 8.086 min Scan# 1037
Delta R.T. -0.006 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

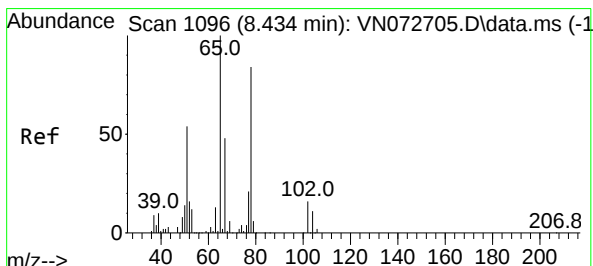
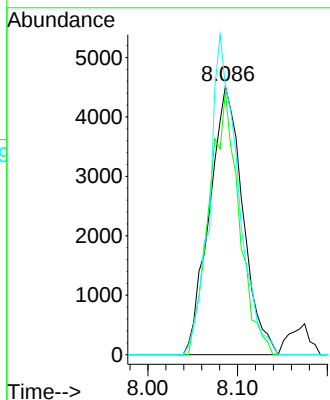
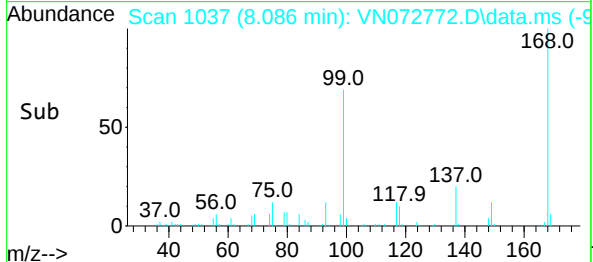
Instrument :
MSVOA_N
ClientSampleId :
40805



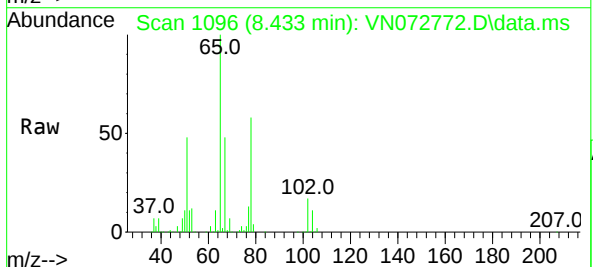
Tgt Ion: 56 Resp: 1164
Ion Ratio Lower Upper
56 100
69 97.9 27.8 41.8
84 100.1 76.9 115.3

Manual Integrations
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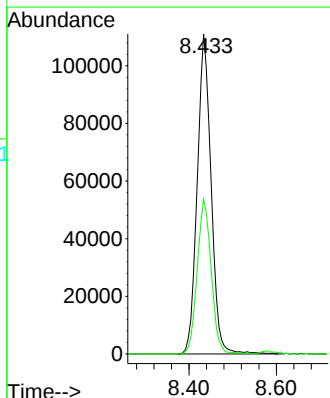
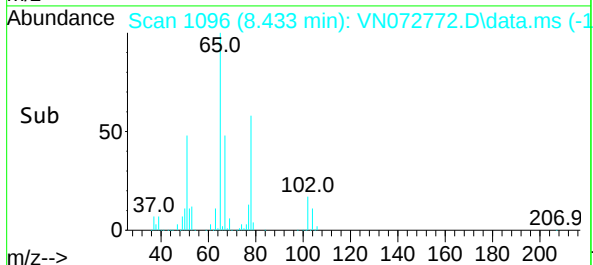
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

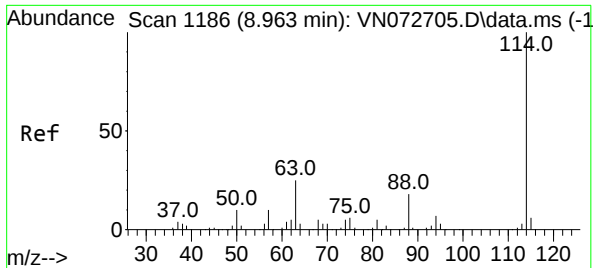


#33
1,2-Dichloroethane-d4
Concen: 54.341 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.001 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12



Tgt Ion: 65 Resp: 245348
Ion Ratio Lower Upper
65 100
67 48.8 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1186

Delta R.T. 0.006 min

Lab File: VN072772.D

Acq: 10 Jun 2022 18:12

Instrument :

MSVOA_N

ClientSampleId :

40805

Tgt Ion:114 Resp: 324068

Ion Ratio Lower Upper

114 100

63 23.0 0.0 40.0

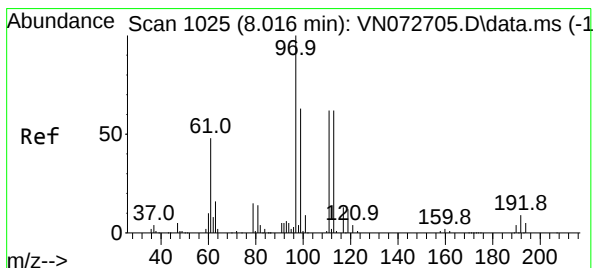
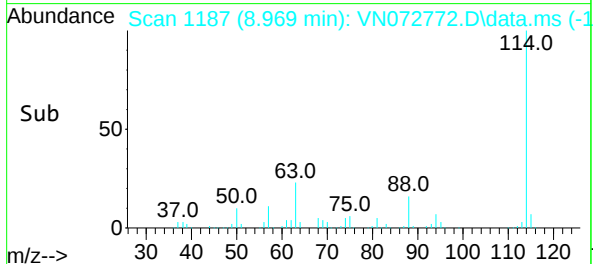
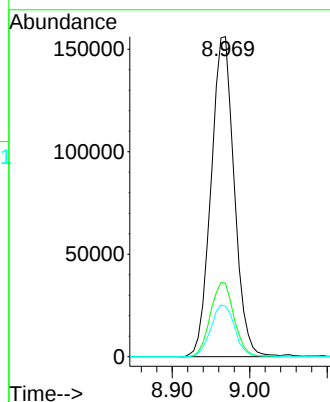
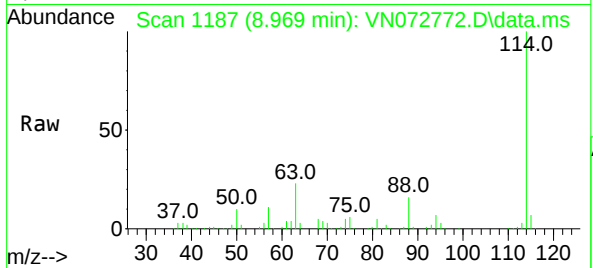
88 15.8 0.0 32.6

Manual Integrations

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#35

Dibromofluoromethane

Concen: 54.969 ug/l

RT: 8.022 min Scan# 1026

Delta R.T. 0.006 min

Lab File: VN072772.D

Acq: 10 Jun 2022 18:12

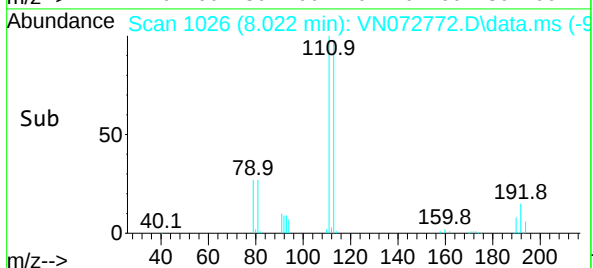
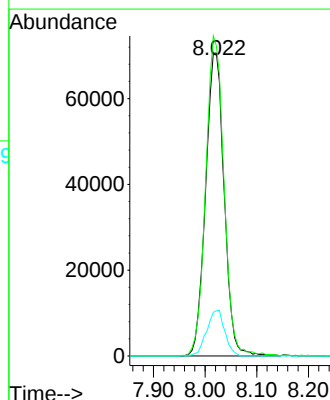
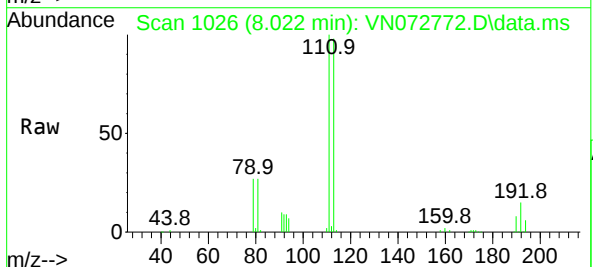
Tgt Ion:113 Resp: 176263

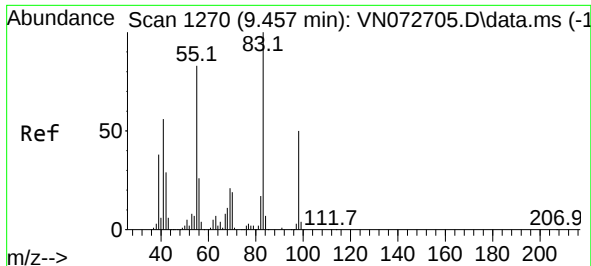
Ion Ratio Lower Upper

113 100

111 104.2 81.4 122.0

192 14.7 17.0 25.6#





#39

Methylcyclohexane

Concen: 1.040 ug/l

RT: 9.451 min Scan# 1100

Delta R.T. -0.006 min

Lab File: VN072772.D

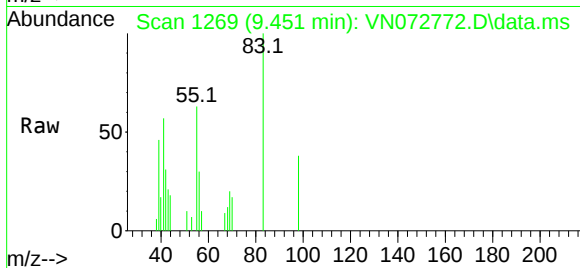
Acq: 10 Jun 2022 18:12

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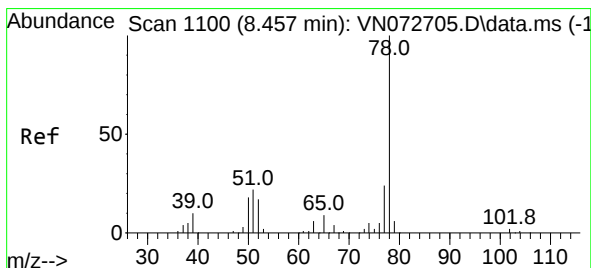
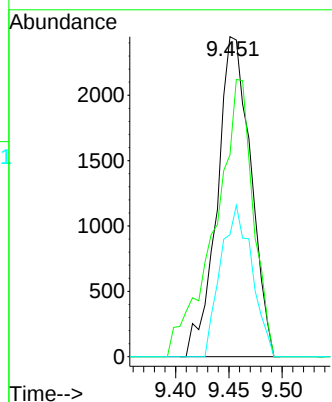
Tgt Ion: 83	Resp: 537
Ion Ratio	Lower Upper
83	100
55	63.1 57.8 86.8
98	38.2 39.4 59.2

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#40

Benzene

Concen: 38.585 ug/l

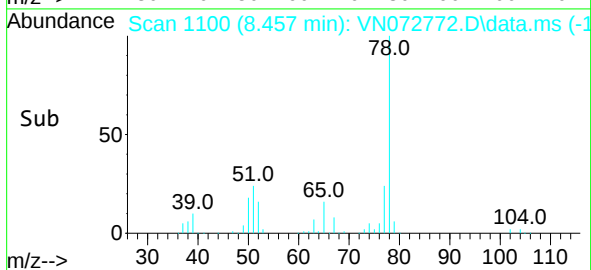
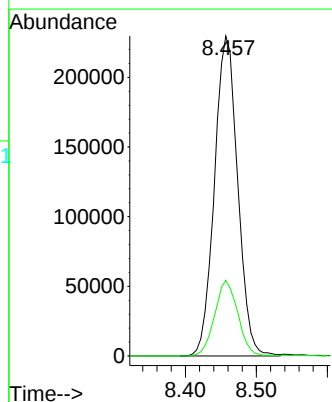
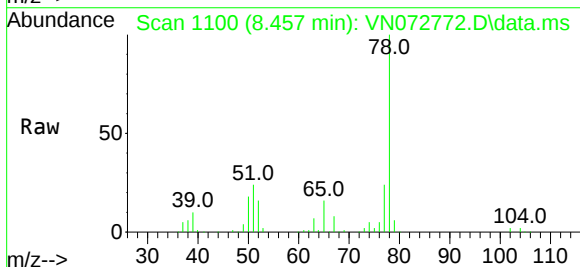
RT: 8.457 min Scan# 1100

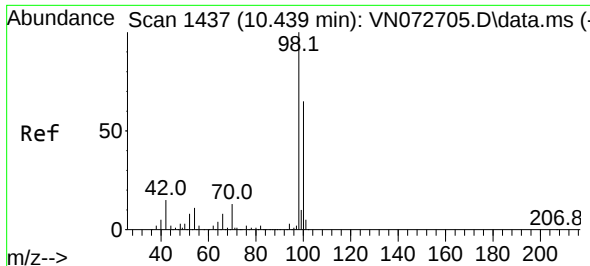
Delta R.T. -0.000 min

Lab File: VN072772.D

Acq: 10 Jun 2022 18:12

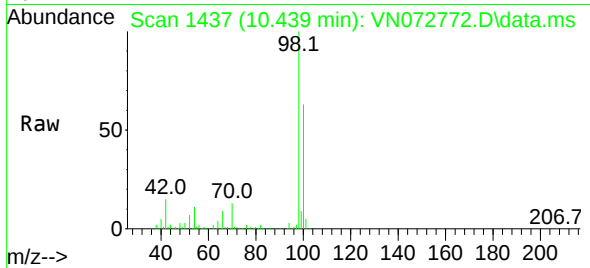
Tgt Ion: 78	Resp: 521163
Ion Ratio	Lower Upper
78	100
77	23.6 19.4 29.0





#50
Toluene-d8
Concen: 45.740 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

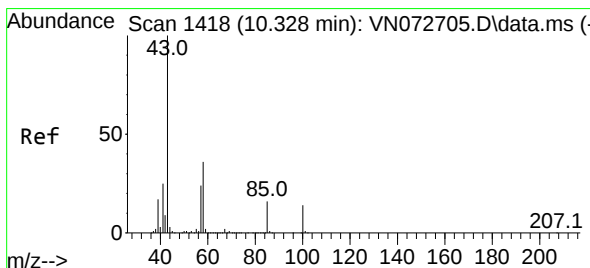
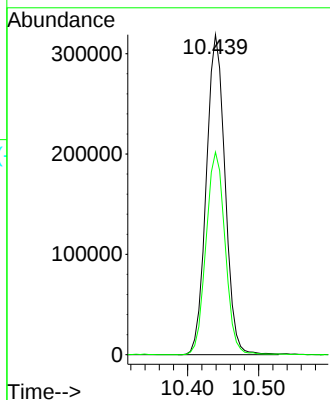
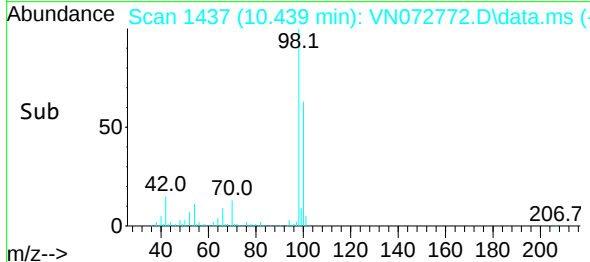
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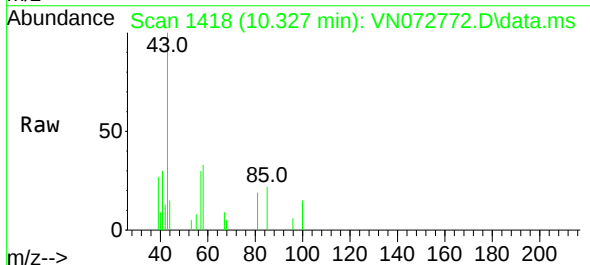
Tgt Ion: 98 Resp: 58518
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8

Manual Integrations
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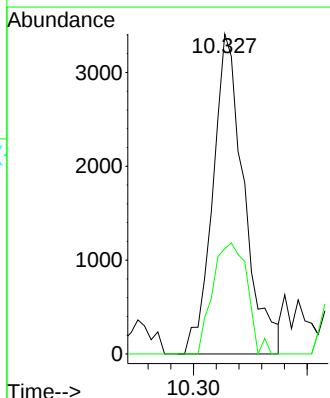
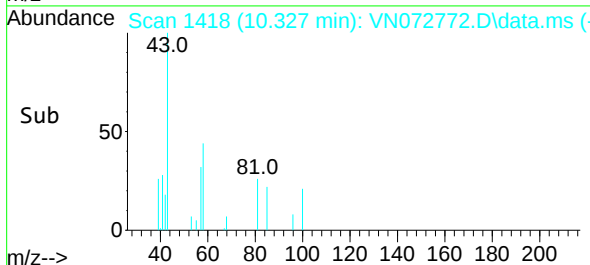
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

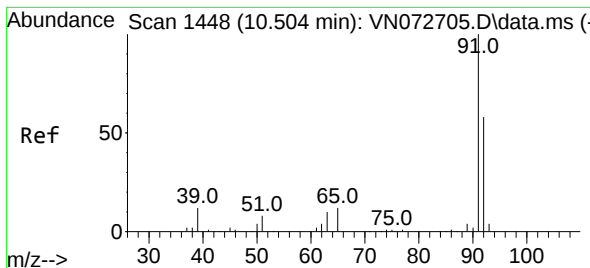


#51
4-Methyl-2-Pentanone
Concen: 0.930 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.001 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12



Tgt Ion: 43 Resp: 6523
Ion Ratio Lower Upper
43 100
58 38.0 34.1 51.1





#52

Toluene

Concen: 309.038 ug/l

RT: 10.504 min Scan# 1448

Delta R.T. -0.000 min

Lab File: VN072772.D

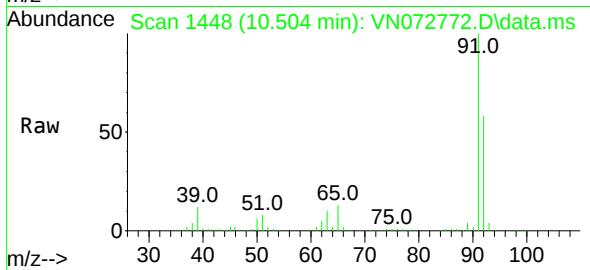
Acq: 10 Jun 2022 18:12

Instrument :

MSVOA_N

ClientSampleId :

40805



Tgt Ion: 92 Resp: 2606170

Ion Ratio Lower Upper

92 100

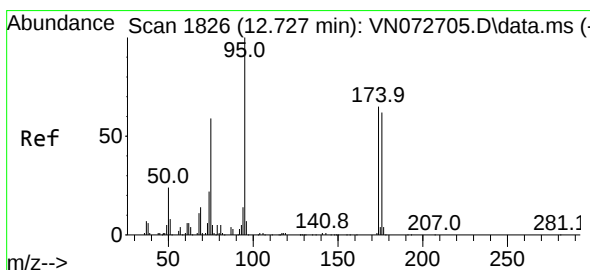
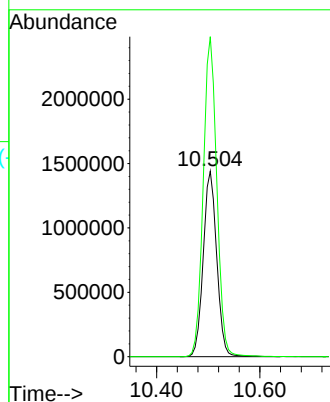
91 173.4 138.6 207.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/11/2022

Supervised By :Mahesh Dadoda 06/13/2022



#62

4-Bromofluorobenzene

Concen: 57.694 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN072772.D

Acq: 10 Jun 2022 18:12

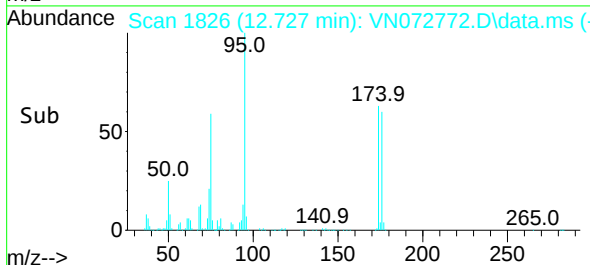
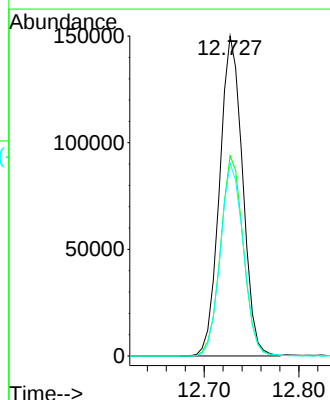
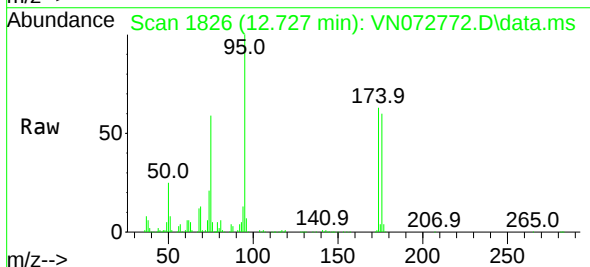
Tgt Ion: 95 Resp: 253283

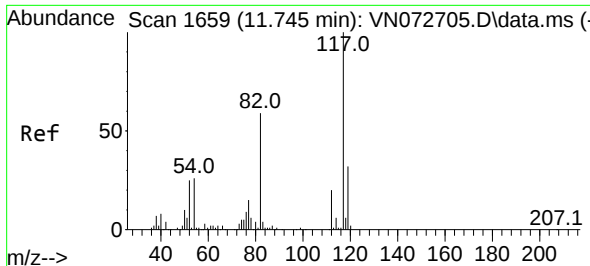
Ion Ratio Lower Upper

95 100

174 62.0 0.0 167.6

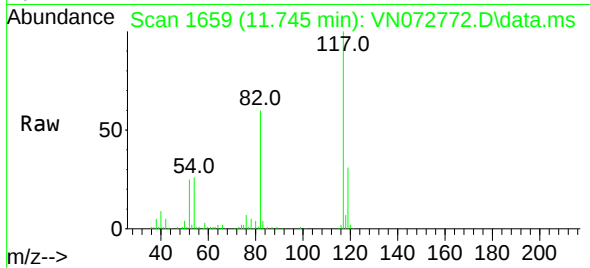
176 60.4 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.000 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

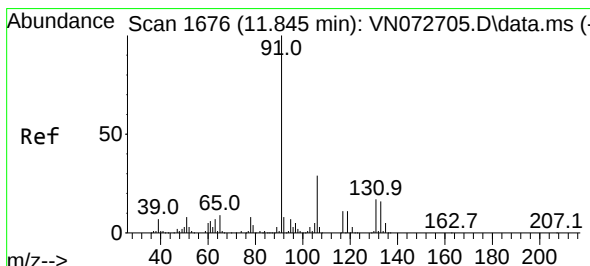
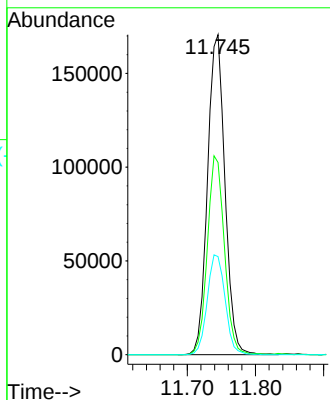
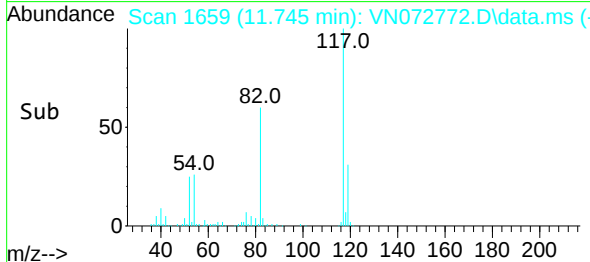
Instrument :
MSVOA_N
ClientSampleId :
40805



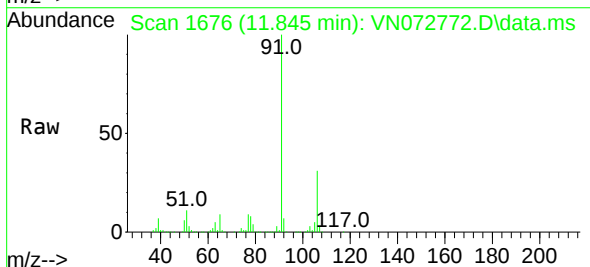
Tgt Ion: 117 Resp: 303262
Ion Ratio Lower Upper
117 100
82 60.0 44.2 66.2
119 30.7 25.4 38.0

Manual Integrations
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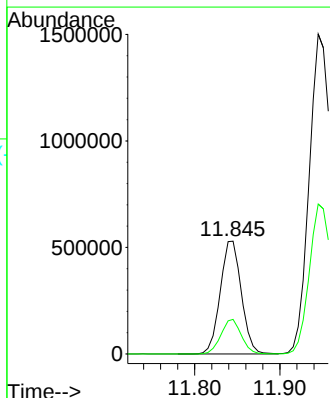
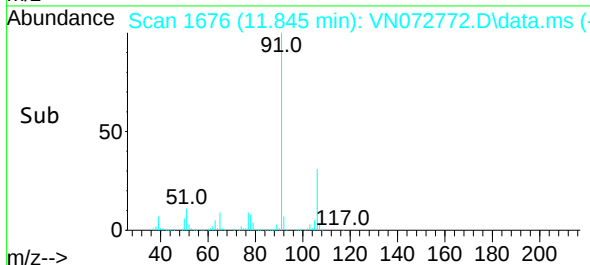
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

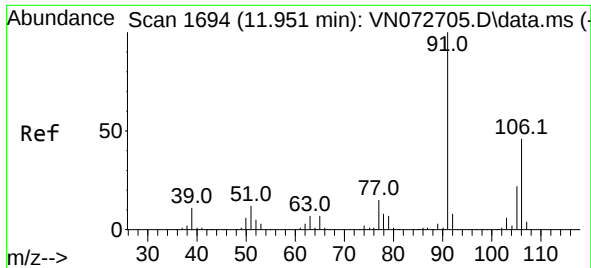


#67
Ethyl Benzene
Concen: 59.987 ug/l
RT: 11.845 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12



Tgt Ion: 91 Resp: 911496
Ion Ratio Lower Upper
91 100
106 30.6 24.9 37.3





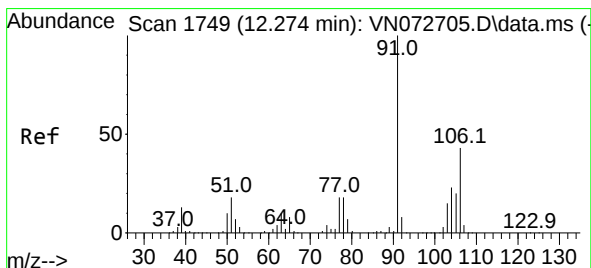
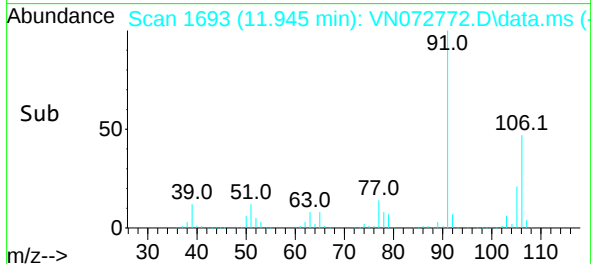
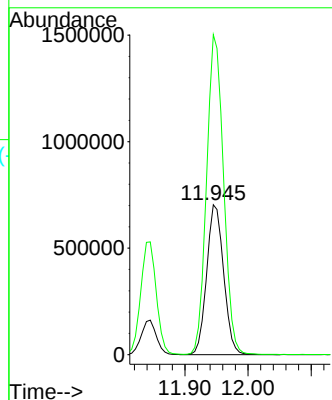
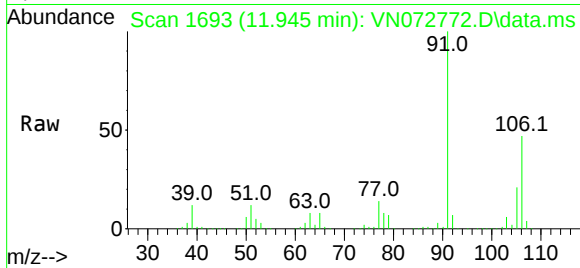
#68
m/p-Xylenes
Concen: 242.350 ug/l
RT: 11.945 min Scan# 1693
Delta R.T. -0.006 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

Instrument :
MSVOA_N
ClientSampleId :
40805

Tgt Ion:106 Resp: 130865
Ion Ratio Lower Upper
106 100
91 214.0 158.9 238.3

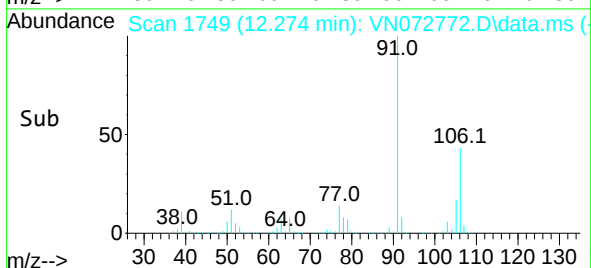
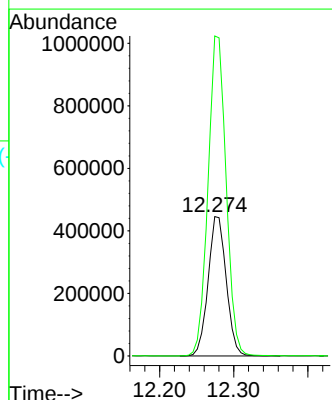
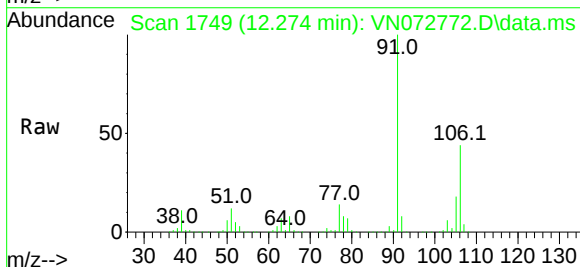
Manual Integrations
APPROVED

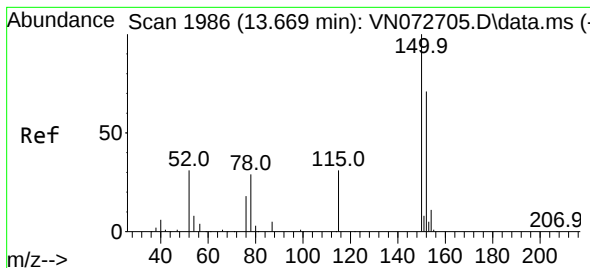
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022



#69
o-Xylene
Concen: 139.458 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

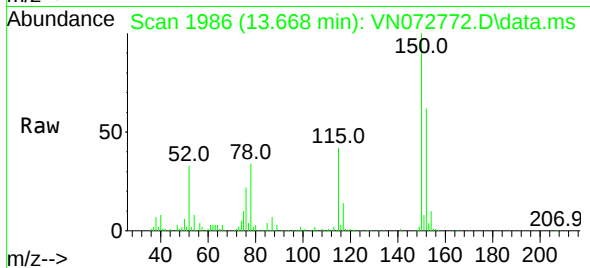
Tgt Ion:106 Resp: 756988
Ion Ratio Lower Upper
106 100
91 229.4 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.668 min Scan# 1986
Delta R.T. -0.001 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

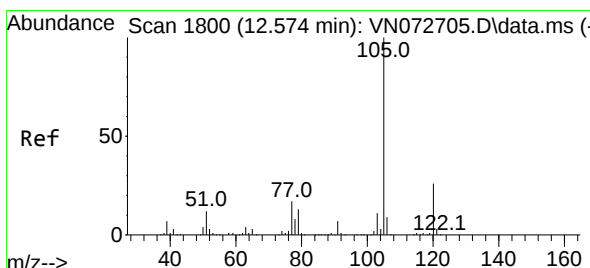
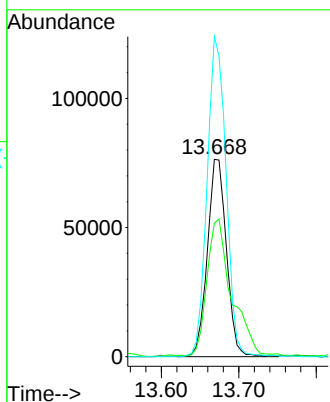
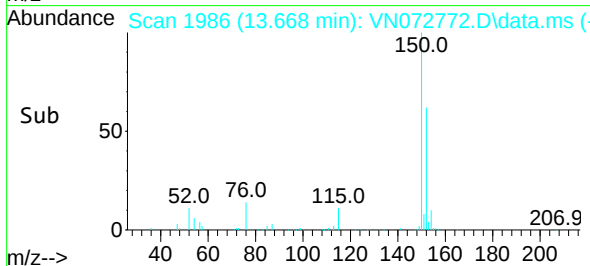
Instrument :
MSVOA_N
ClientSampleId :
40805



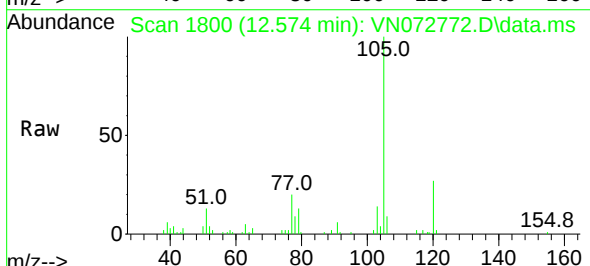
Tgt Ion:152 Resp: 13106
Ion Ratio Lower Upper
152 100
115 89.6 28.9 86.7
150 160.9 0.0 356.2

Manual Integrations
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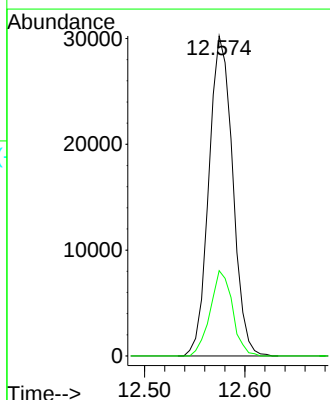
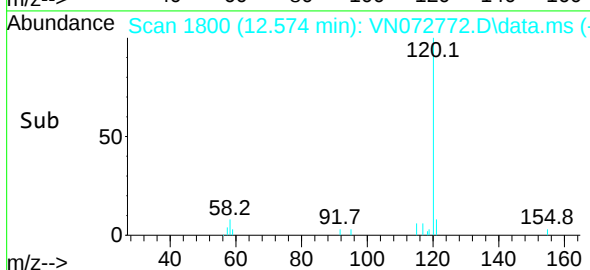
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

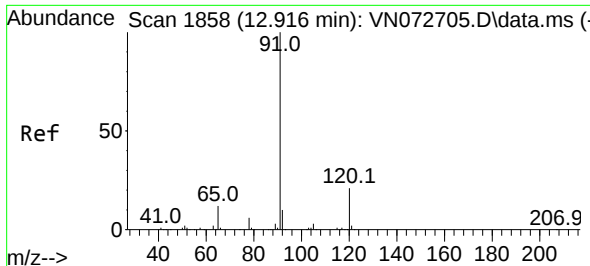


#73
Isopropylbenzene
Concen: 3.538 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. 0.000 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12



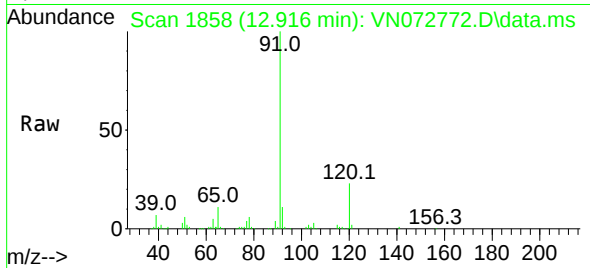
Tgt Ion:105 Resp: 49743
Ion Ratio Lower Upper
105 100
120 25.0 13.5 40.4





#78
n-propylbenzene
Concen: 12.205 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.001 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

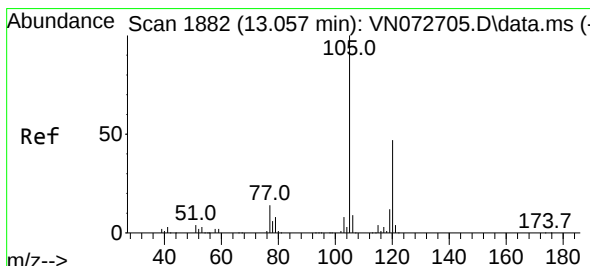
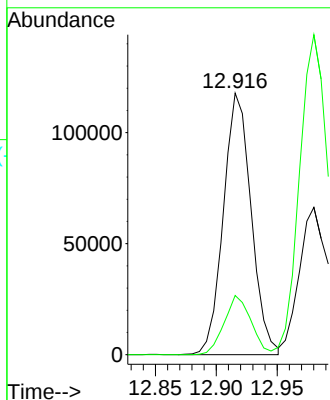
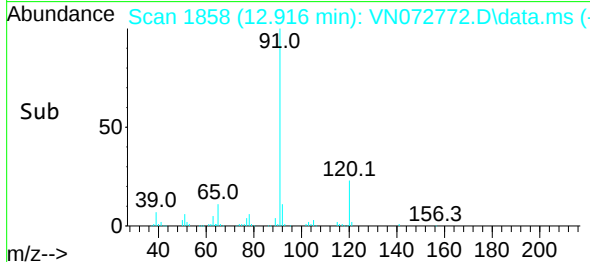
Instrument :
MSVOA_N
ClientSampleId :
40805



Tgt Ion: 91 Resp: 18735
Ion Ratio Lower Upper
91 100
120 21.9 11.9 35.5

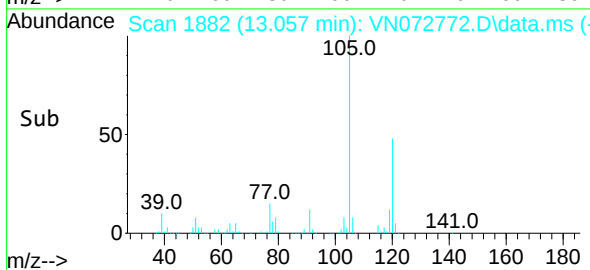
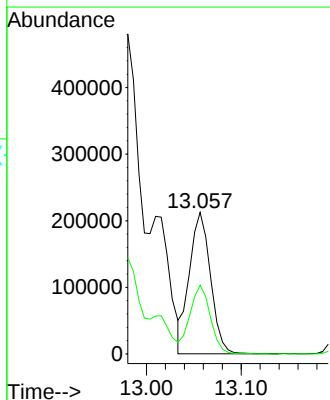
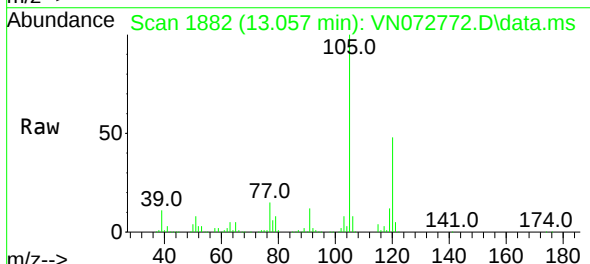
Manual Integrations
APPROVED

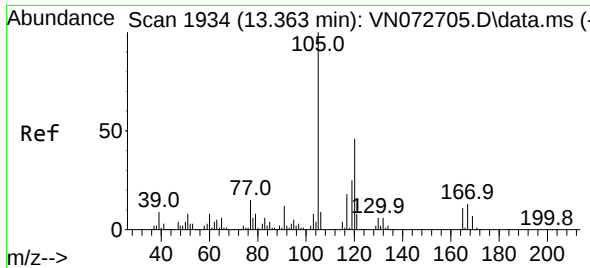
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022



#80
1,3,5-Trimethylbenzene
Concen: 29.636 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

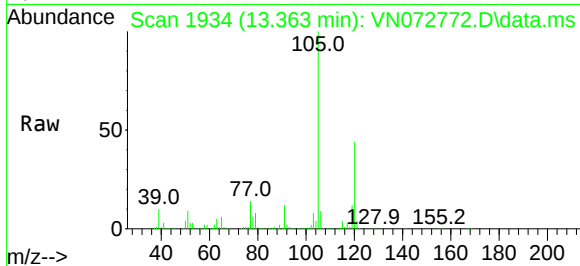
Tgt Ion:105 Resp: 330133
Ion Ratio Lower Upper
105 100
120 47.2 24.9 74.7





#84
1,2,4-Trimethylbenzene
Concen: 150.391 ug/l
RT: 13.363 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

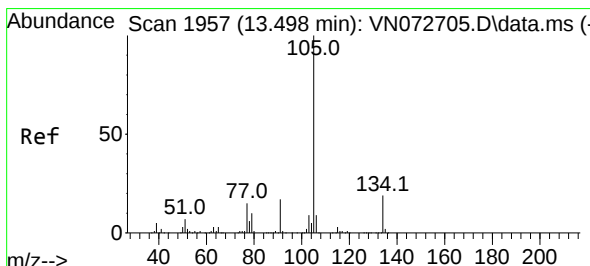
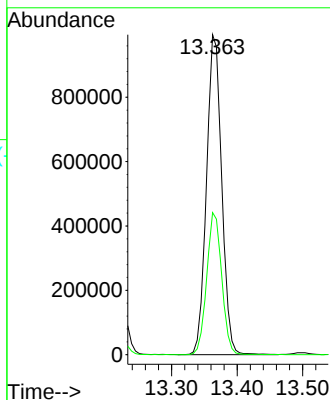
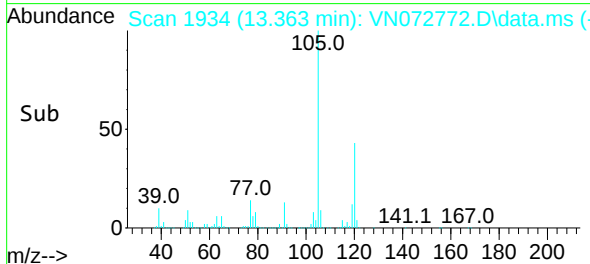
Instrument :
MSVOA_N
ClientSampleId :
40805



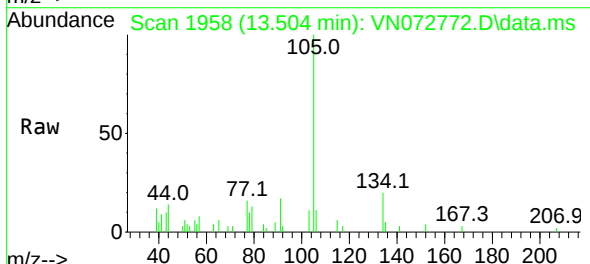
Tgt Ion:105 Resp: 1602960
Ion Ratio Lower Upper
105 100
120 43.9 23.3 69.8

Manual Integrations
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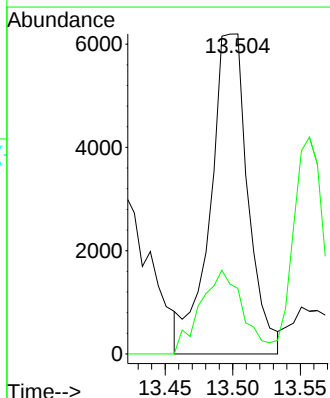
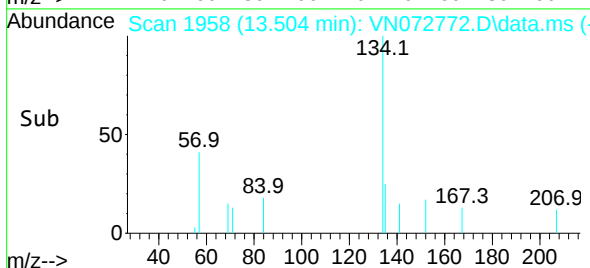
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

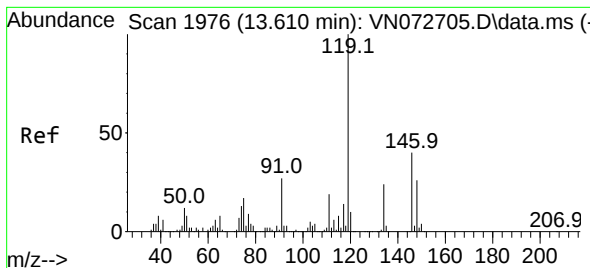


#85
sec-Butylbenzene
Concen: 0.911 ug/l m
RT: 13.504 min Scan# 1958
Delta R.T. 0.006 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12



Tgt Ion:105 Resp: 12028
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





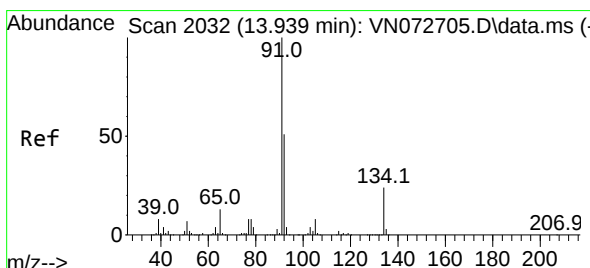
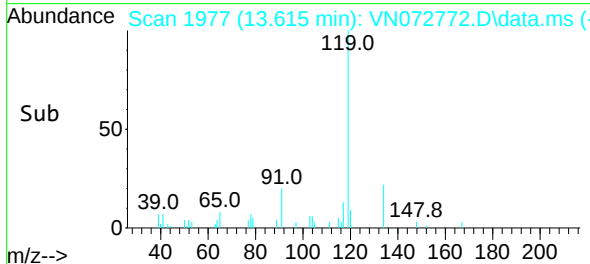
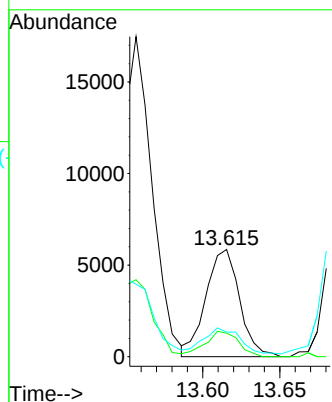
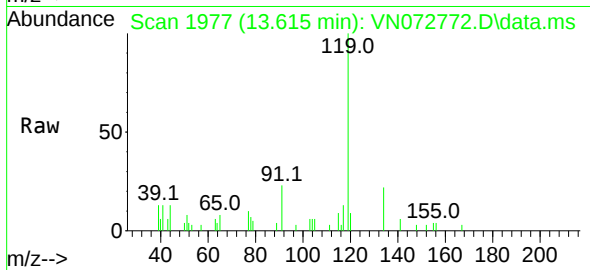
#86
p-Isopropyltoluene
Concen: 0.856 ug/l m
RT: 13.615 min Scan# 1976
Delta R.T. 0.005 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

Instrument :
MSVOA_N
ClientSampleId :
40805

Tgt Ion: 119 Resp: 8892
Ion Ratio Lower Upper
119 100
134 75.0 13.3 39.8#
91 69.9 11.3 33.9#

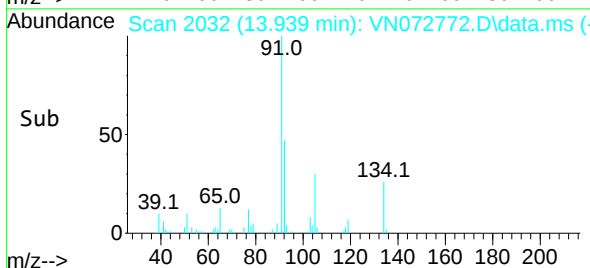
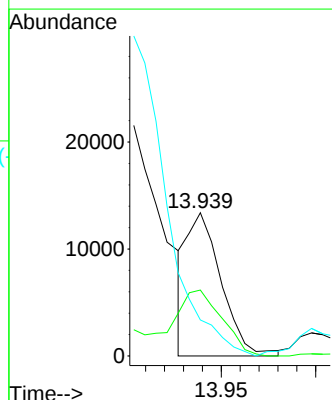
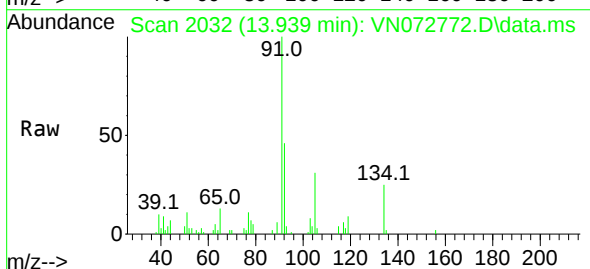
Manual Integrations
APPROVED

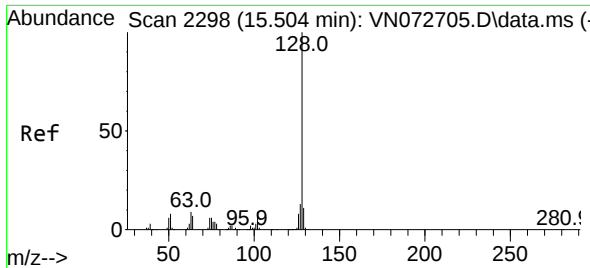
Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022



#89
n-Butylbenzene
Concen: 1.934 ug/l m
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

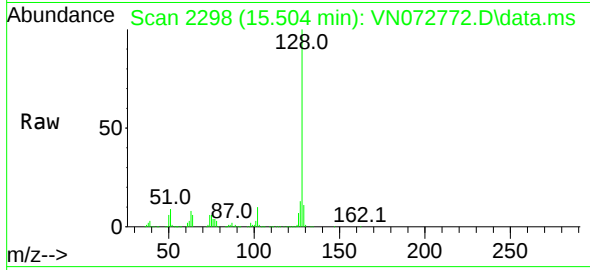
Tgt Ion: 91 Resp: 16922
Ion Ratio Lower Upper
91 100
92 85.5 26.9 80.7#
134 221.9 13.6 40.8#





#95
Naphthalene
Concen: 136.249 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072772.D
Acq: 10 Jun 2022 18:12

Instrument :
MSVOA_N
ClientSampleId :
40805



Tgt Ion:128 Resp: 1173320
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.6 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/11/2022
Supervised By :Mahesh Dadoda 06/13/2022

