

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
 Data File : VN076958.D
 Acq On : 13 Mar 2023 13:43
 Operator : JC\MD
 Sample : 01841-01DL 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MORRIS-030823DL

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/13/2023
 Supervised By :Mahesh Dadoda 03/14/2023

Quant Time: Mar 13 14:21:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.236	168	414121	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	663087	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	587670	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	260016	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	270480	43.768	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.540%		
35) Dibromofluoromethane	8.172	113	206768	46.788	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.580%		
50) Toluene-d8	10.572	98	797794	48.983	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.960%		
62) 4-Bromofluorobenzene	12.848	95	297153	49.881	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.760%		
Target Compounds					Qvalue	
8) Diethyl Ether	3.978	74	27764	8.876	ug/l	83
11) Tert butyl alcohol	5.537	59	41811m	48.636	ug/l	
16) Acetone	4.449	43	60676	28.334	ug/l #	87
18) Methyl Acetate	5.043	43	19334	2.448	ug/l	89
31) Cyclohexane	8.266	56	31543m	3.558	ug/l	
39) Methylcyclohexane	9.607	83	25084	3.023	ug/l	97
40) Benzene	8.613	78	3307749	164.183	ug/l	99
52) Toluene	10.636	92	2259903	182.258	ug/l	98
67) Ethyl Benzene	11.966	91	256624	10.617	ug/l	98
68) m/p-Xylenes	12.072	106	586839	64.595	ug/l	88
69) o-Xylene	12.401	106	234351	26.571	ug/l	84
73) Isopropylbenzene	12.701	105	36370	1.570	ug/l	96
78) n-propylbenzene	13.036	91	35815	1.388	ug/l	97
80) 1,3,5-Trimethylbenzene	13.177	105	90062	4.563	ug/l	93
84) 1,2,4-Trimethylbenzene	13.483	105	175963	8.911	ug/l	94

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

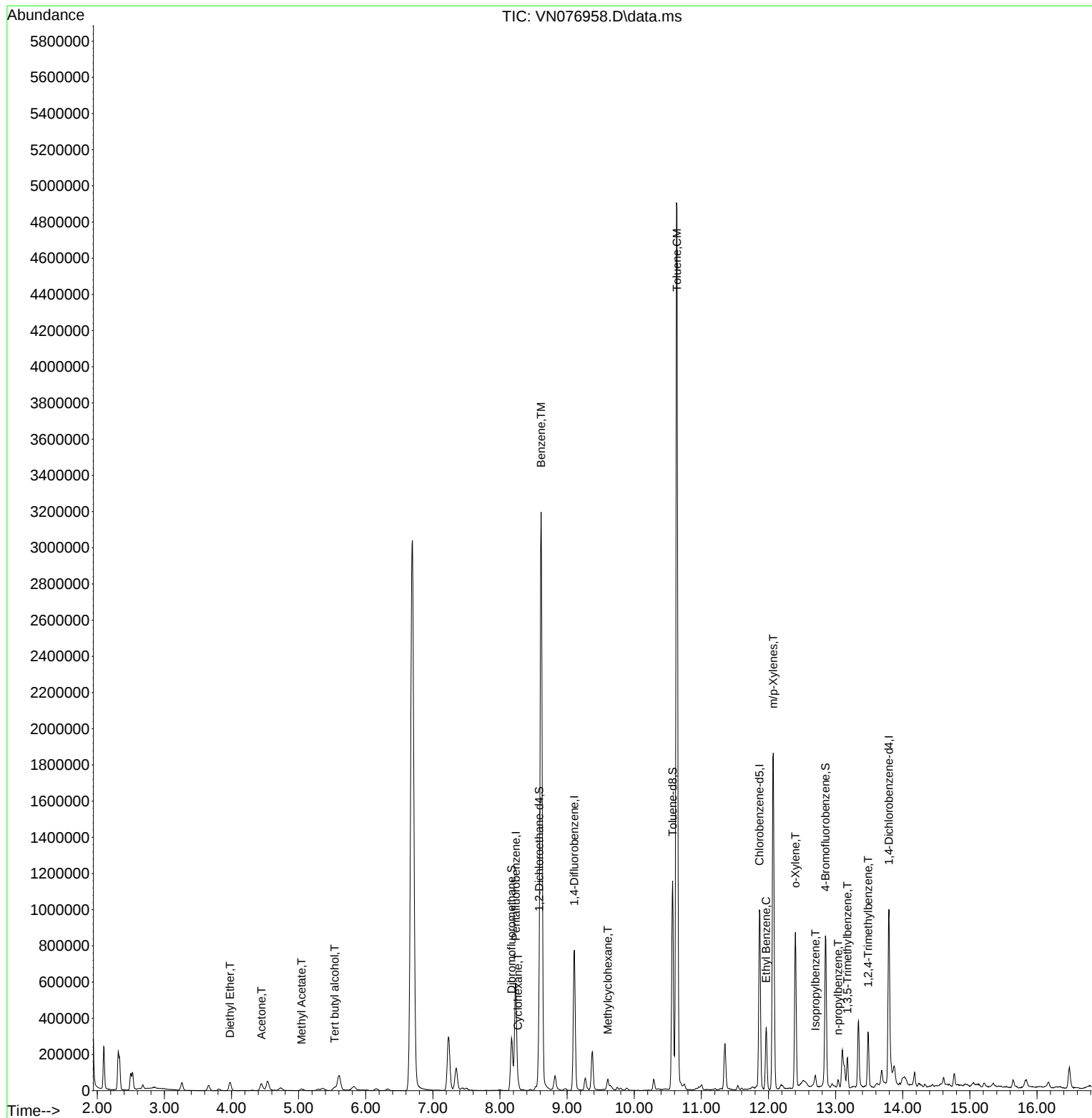
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031323\
Data File : VN076958.D
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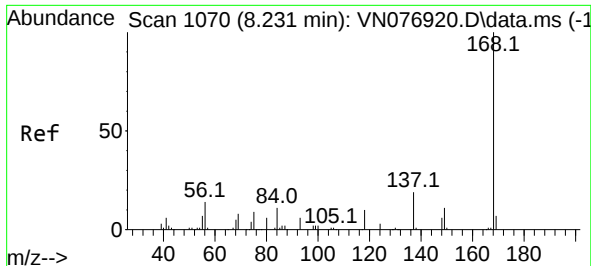
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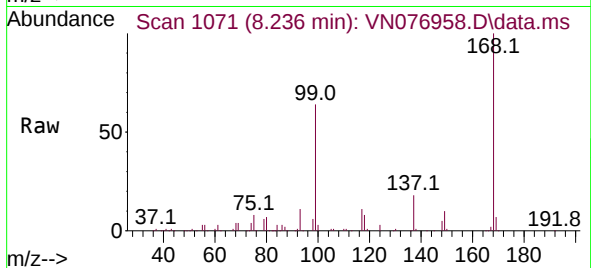
Quant Time: Mar 13 14:21:06 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 10 13:47:39 2023
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1070
Delta R.T. 0.005 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43

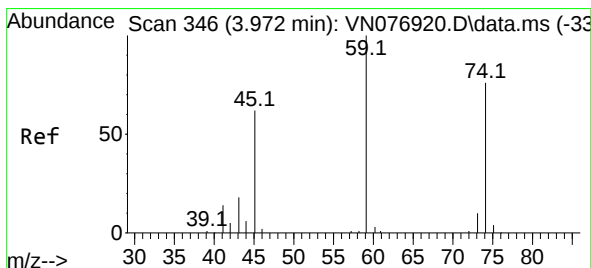
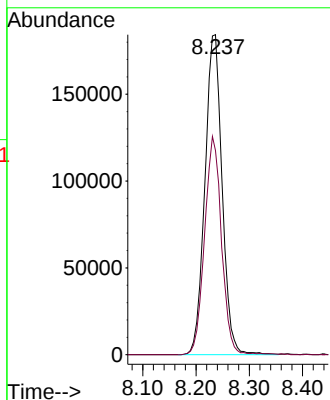
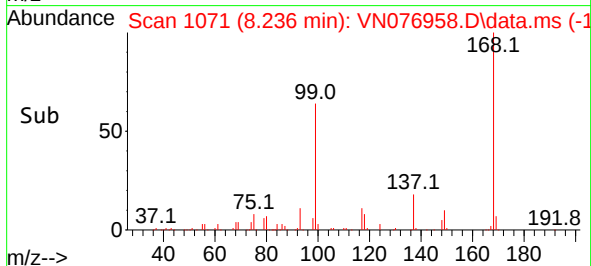
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823DL



Tgt Ion:168 Resp: 41412
Ion Ratio Lower Upper
168 100
99 63.8 48.6 73.0

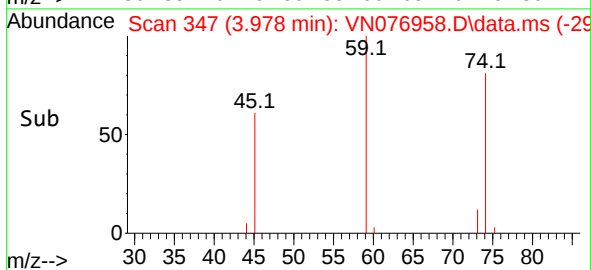
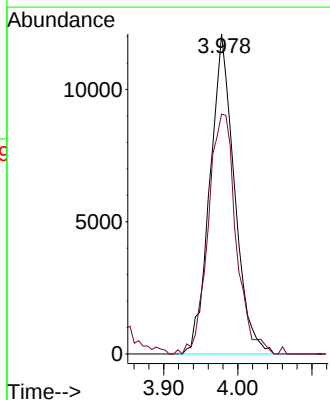
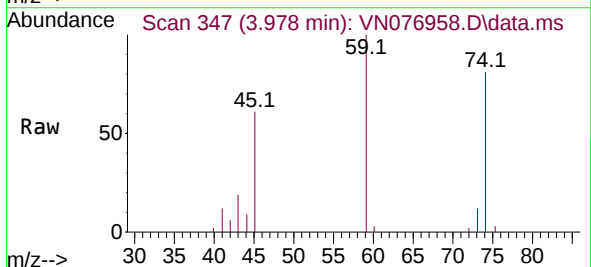
Manual Integrations
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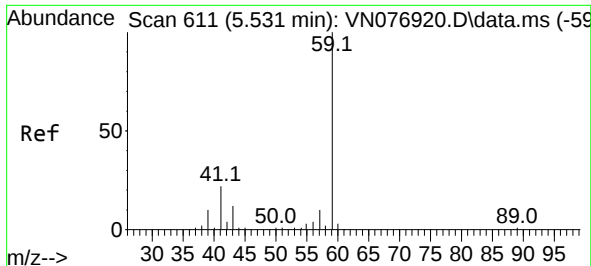
Reviewed By :John Carlone 03/13/2023
Supervised By :Mahesh Dadoda 03/14/2023



#8
Diethyl Ether
Concen: 8.876 ug/l
RT: 3.978 min Scan# 347
Delta R.T. 0.006 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43

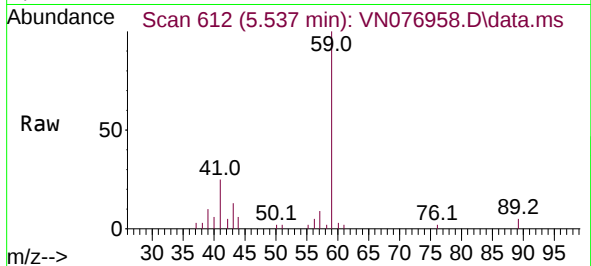
Tgt Ion: 74 Resp: 27764
Ion Ratio Lower Upper
74 100
45 85.0 35.5 106.5





#11
Tert butyl alcohol
Concen: 48.636 ug/l m
RT: 5.537 min Scan# 611
Delta R.T. 0.006 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43

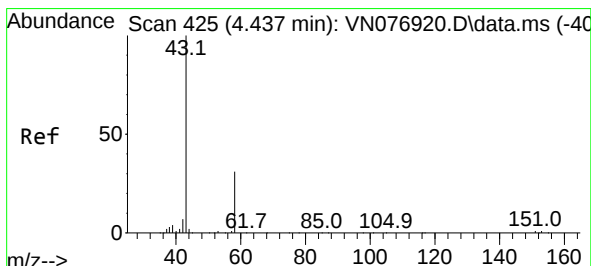
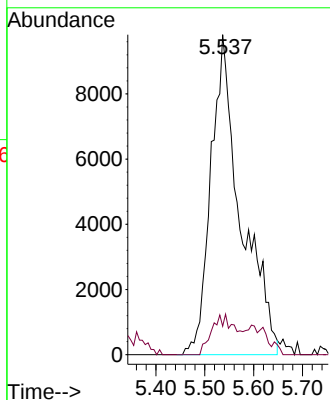
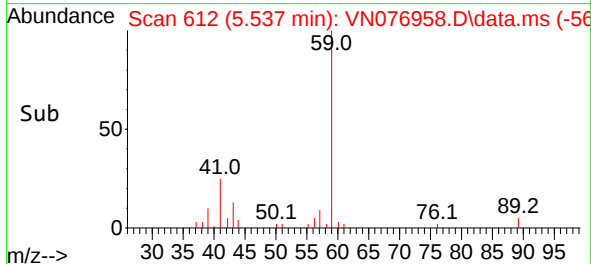
Instrument :
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Tgt Ion: 59 Resp: 4181
Ion Ratio Lower Upper
59 100
57 10.0 8.6 12.8

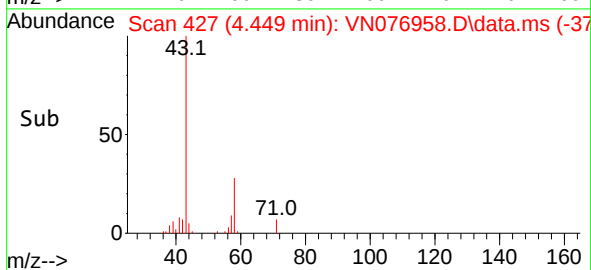
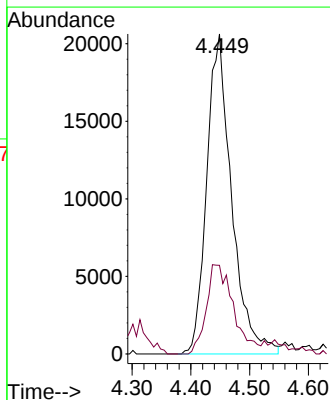
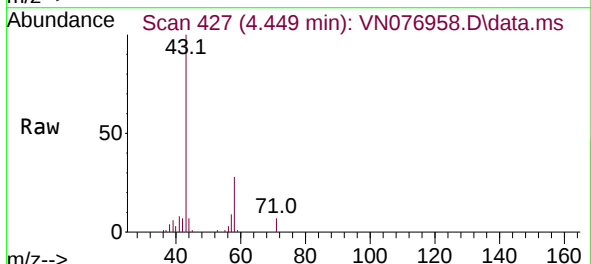
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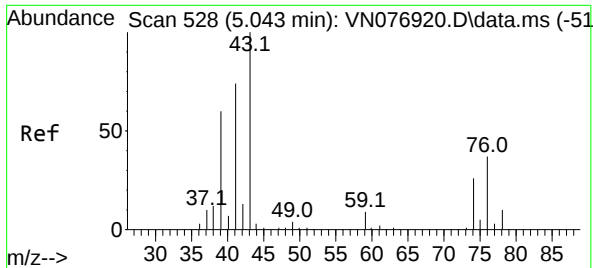
Reviewed By :John Carlone 03/13/2023
Supervised By :Mahesh Dadoda 03/14/2023



#16
Acetone
Concen: 28.334 ug/l
RT: 4.449 min Scan# 427
Delta R.T. 0.012 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43

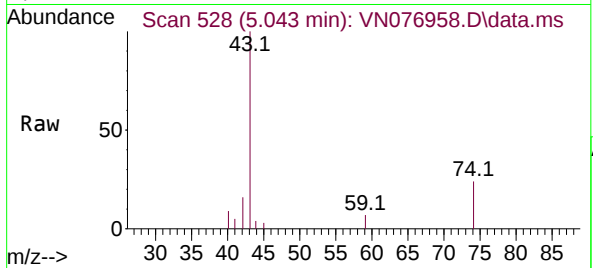
Tgt Ion: 43 Resp: 60676
Ion Ratio Lower Upper
43 100
58 27.7 28.2 42.2#





#18
Methyl Acetate
Concen: 2.448 ug/l
RT: 5.043 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43

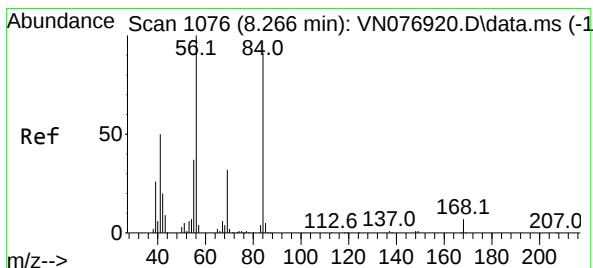
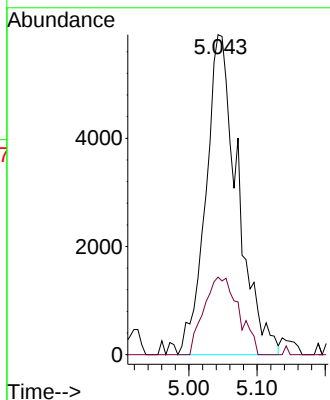
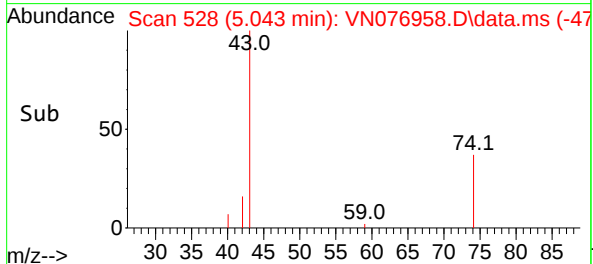
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823DL



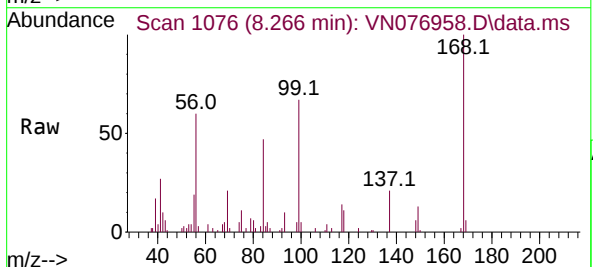
Tgt Ion: 43 Resp: 19334
Ion Ratio Lower Upper
43 100
74 26.3 25.9 38.9

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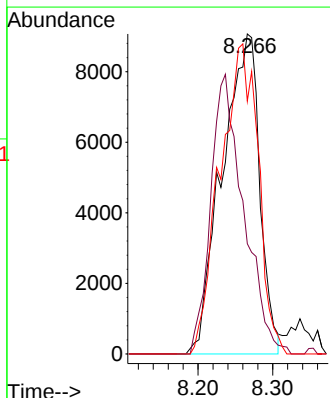
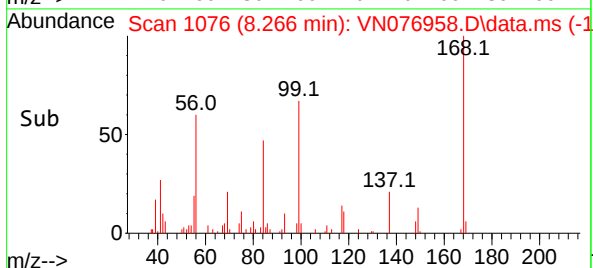
Reviewed By :John Carlone 03/13/2023
Supervised By :Mahesh Dadoda 03/14/2023

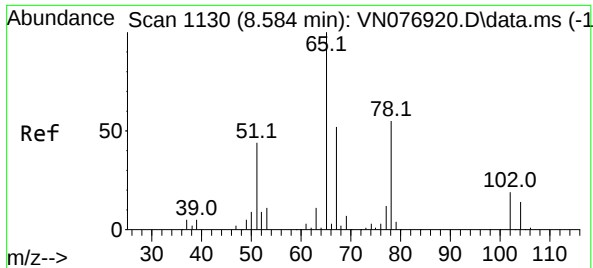


#31
Cyclohexane
Concen: 3.558 ug/l m
RT: 8.266 min Scan# 1076
Delta R.T. -0.000 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43



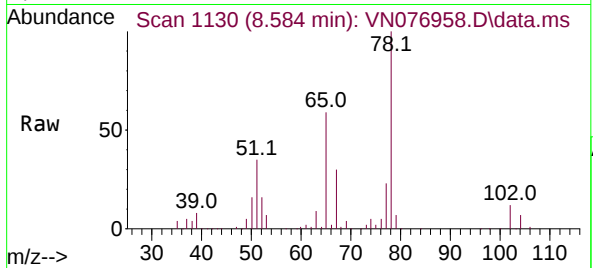
Tgt Ion: 56 Resp: 31543
Ion Ratio Lower Upper
56 100
69 34.4 27.0 40.6
84 79.0 82.9 124.3#





#33
1,2-Dichloroethane-d4
Concen: 43.768 ug/l
RT: 8.584 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43

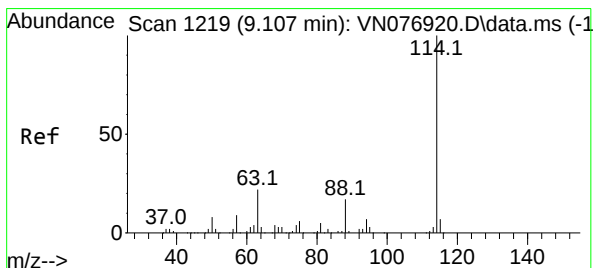
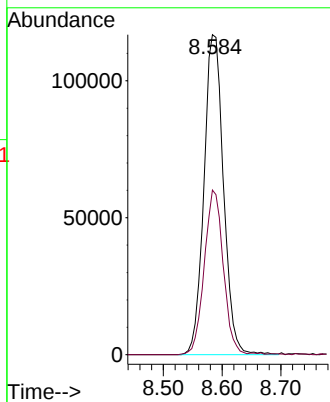
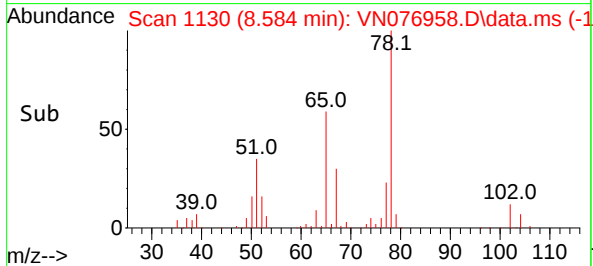
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823DL



Tgt Ion: 65 Resp: 270480
Ion Ratio Lower Upper
65 100
67 50.1 0.0 107.2

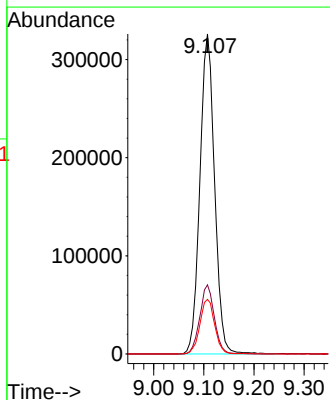
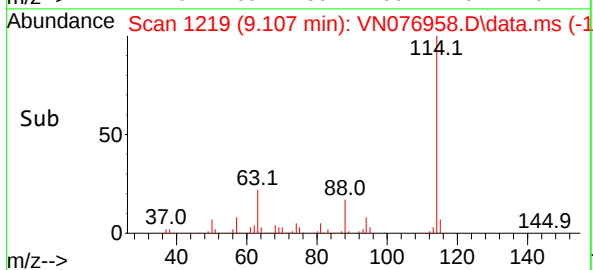
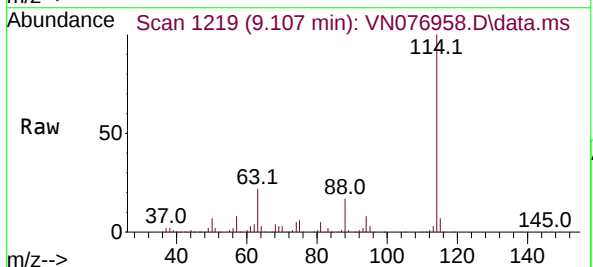
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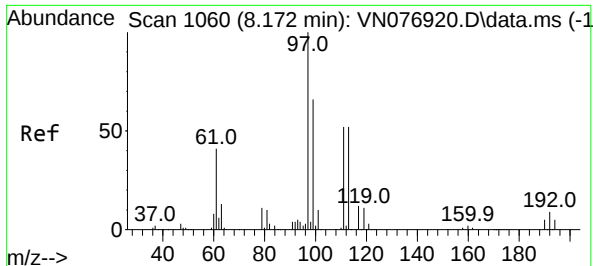
Reviewed By :John Carlone 03/13/2023
Supervised By :Mahesh Dadoda 03/14/2023



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43

Tgt Ion:114 Resp: 663087
Ion Ratio Lower Upper
114 100
63 21.6 0.0 36.6
88 17.0 0.0 28.6





#35

Dibromofluoromethane

Concen: 46.788 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.000 min

Lab File: VN076958.D

Acq: 13 Mar 2023 13:43

Instrument :

MSVOA_N

ClientSampleId :

MORRIS-030823DL

Tgt Ion: 113 Resp: 20676

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.8

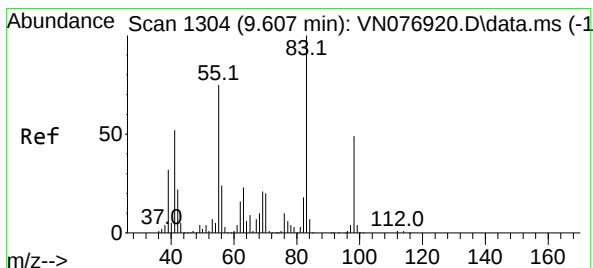
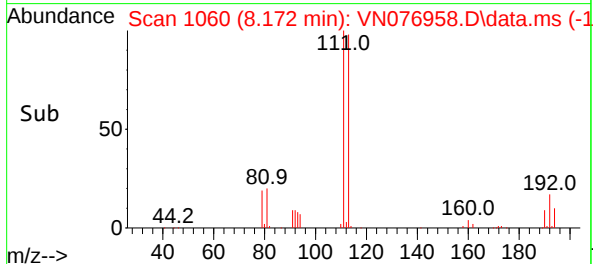
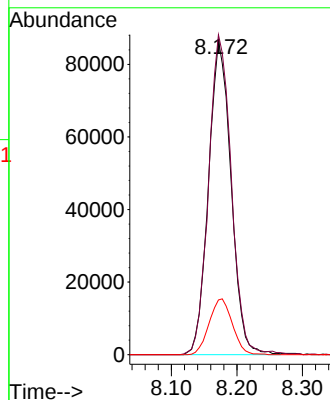
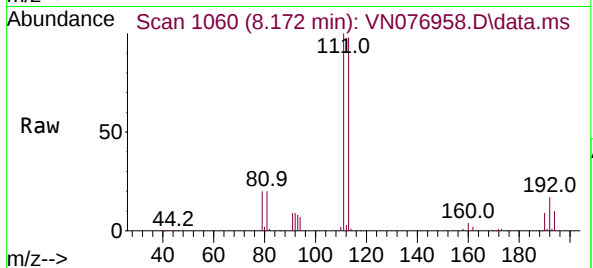
192 18.3 13.9 20.9

Manual Integrations

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Supervised By :Mahesh Dadoda 03/14/2023



#39

Methylcyclohexane

Concen: 3.023 ug/l

RT: 9.607 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN076958.D

Acq: 13 Mar 2023 13:43

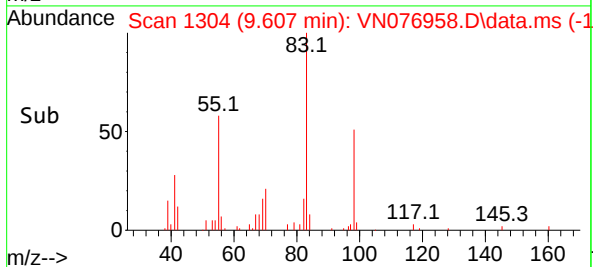
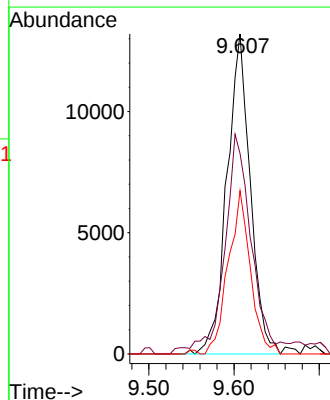
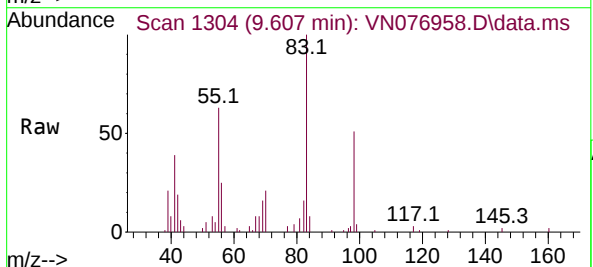
Tgt Ion: 83 Resp: 25084

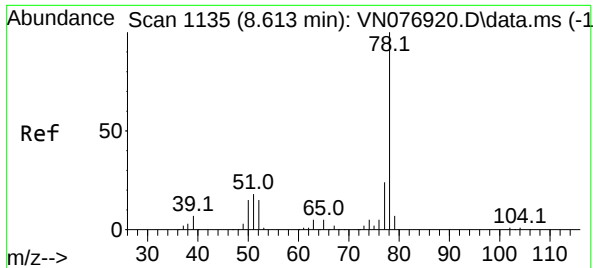
Ion Ratio Lower Upper

83 100

55 60.7 47.0 70.4

98 51.0 39.4 59.0





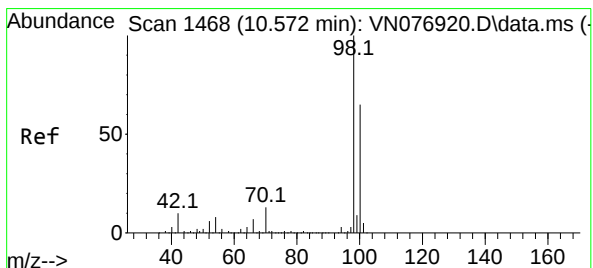
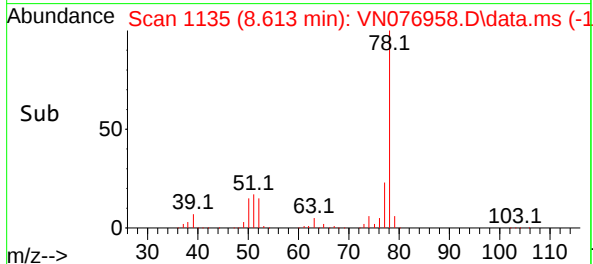
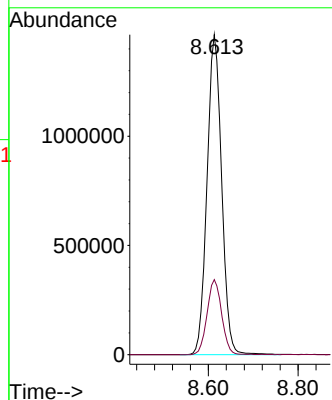
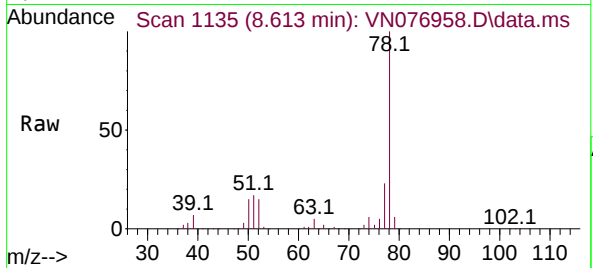
#40
Benzene
Concen: 164.183 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43

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MORRIS-030823DL

Tgt Ion: 78 Resp: 3307749
Ion Ratio Lower Upper
78 100
77 23.5 19.3 28.9

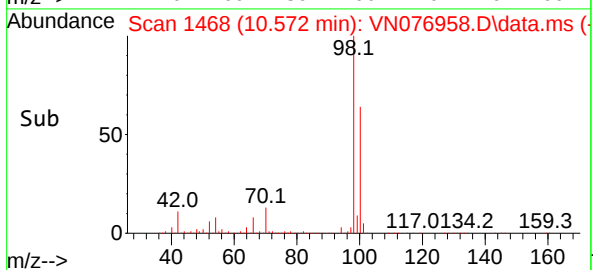
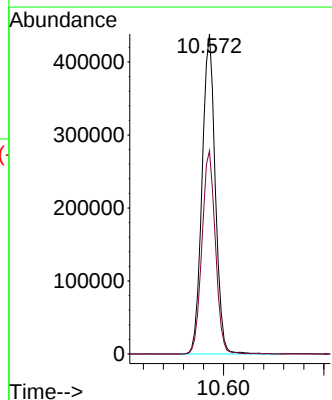
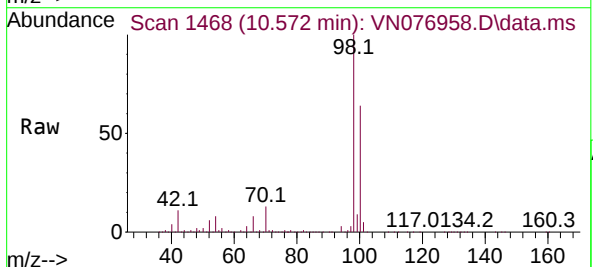
Manual Integrations
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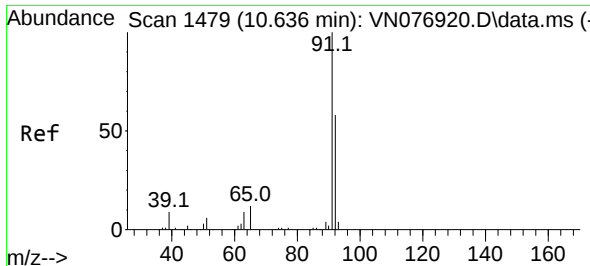
Reviewed By :John Carlone 03/13/2023
Supervised By :Mahesh Dadoda 03/14/2023



#50
Toluene-d8
Concen: 48.983 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43

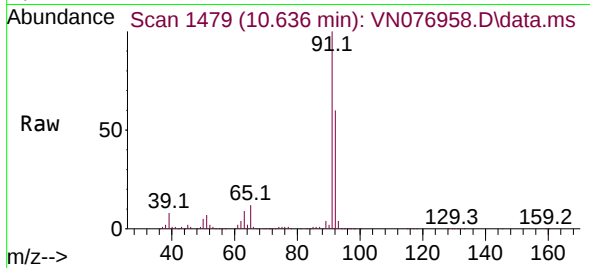
Tgt Ion: 98 Resp: 797794
Ion Ratio Lower Upper
98 100
100 64.7 52.8 79.2





#52
Toluene
Concen: 182.258 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43

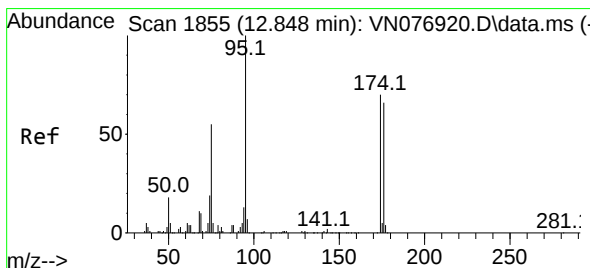
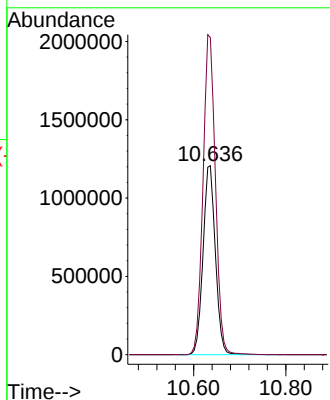
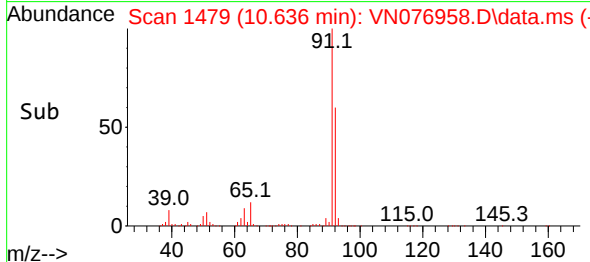
Instrument :
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MORRIS-030823DL



Tgt Ion: 92 Resp: 225990
Ion Ratio Lower Upper
92 100
91 170.2 138.2 207.2

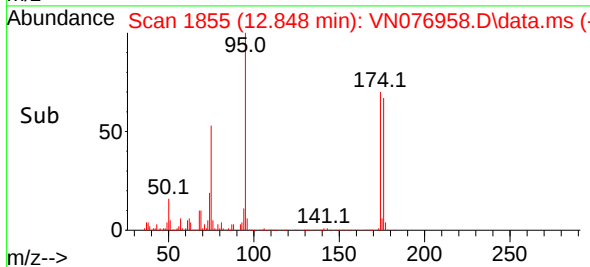
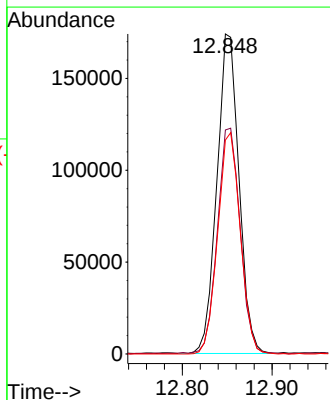
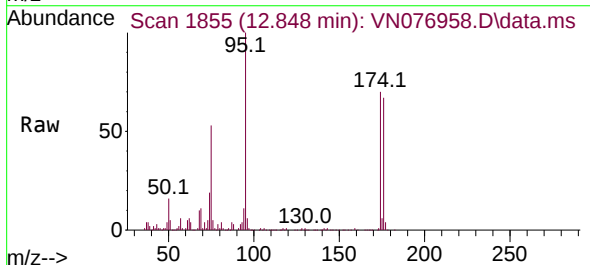
Manual Integrations
APPROVED

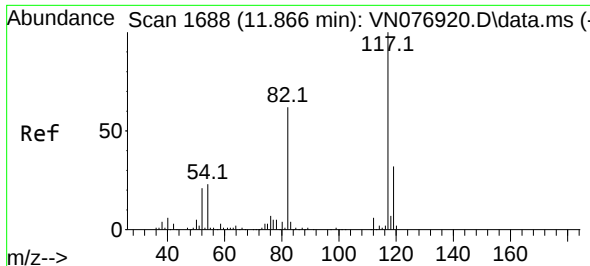
Reviewed By :John Carlone 03/13/2023
Supervised By :Mahesh Dadoda 03/14/2023



#62
4-Bromofluorobenzene
Concen: 49.881 ug/l
RT: 12.848 min Scan# 1855
Delta R.T. -0.000 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43

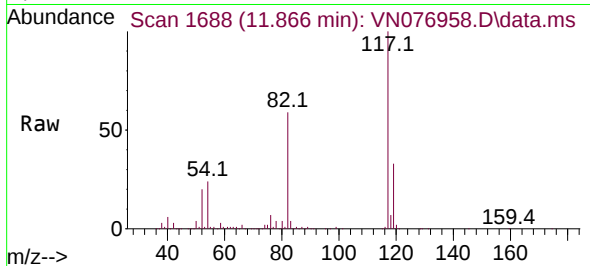
Tgt Ion: 95 Resp: 297153
Ion Ratio Lower Upper
95 100
174 73.1 0.0 162.4
176 70.8 0.0 157.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43

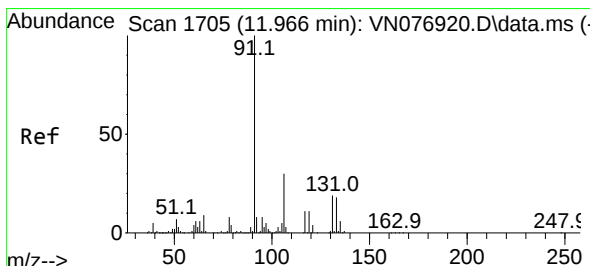
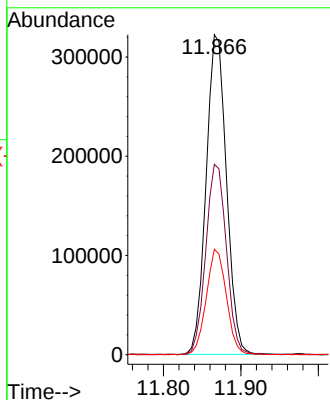
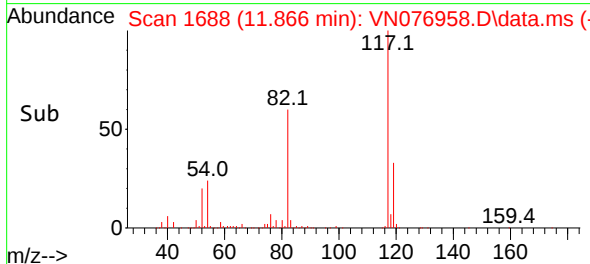
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823DL



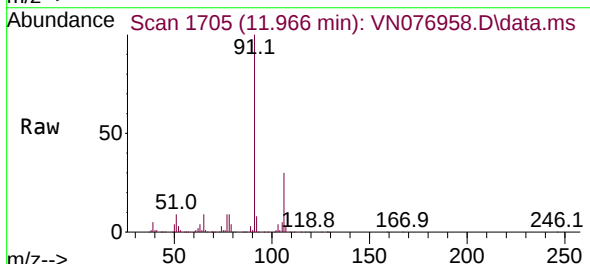
Tgt Ion:117 Resp: 587670
Ion Ratio Lower Upper
117 100
82 59.6 43.5 65.3
119 33.0 25.5 38.3

Manual Integrations
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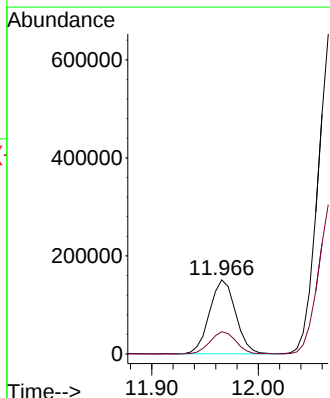
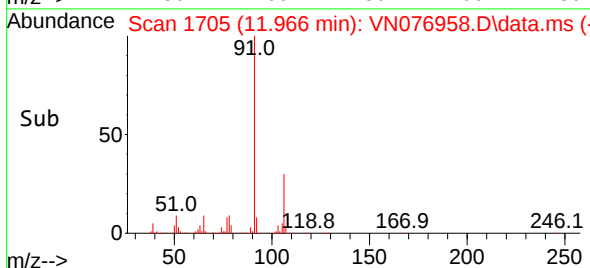
Reviewed By :John Carlone 03/13/2023
Supervised By :Mahesh Dadoda 03/14/2023

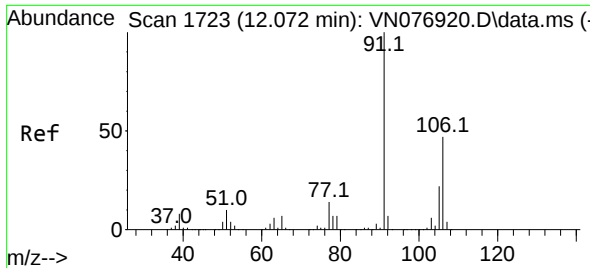


#67
Ethyl Benzene
Concen: 10.617 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43



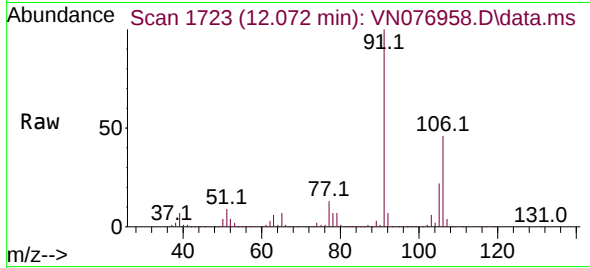
Tgt Ion: 91 Resp: 256624
Ion Ratio Lower Upper
91 100
106 30.1 25.1 37.7





#68
m/p-Xylenes
Concen: 64.595 ug/l
RT: 12.072 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43

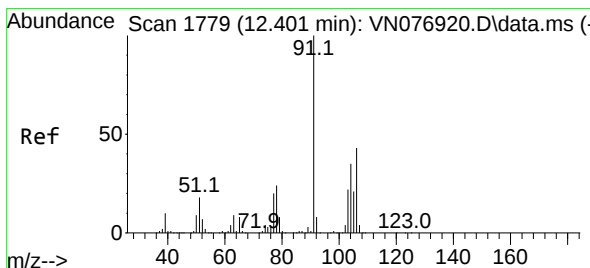
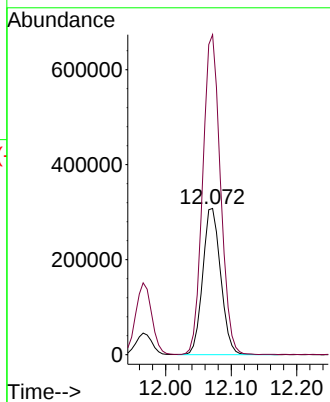
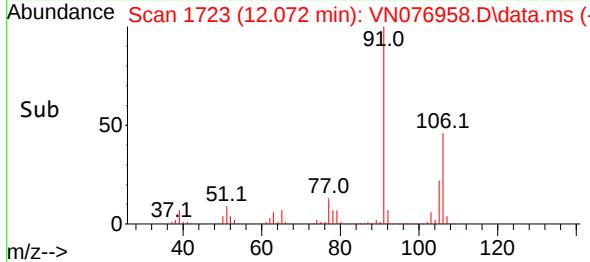
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823DL



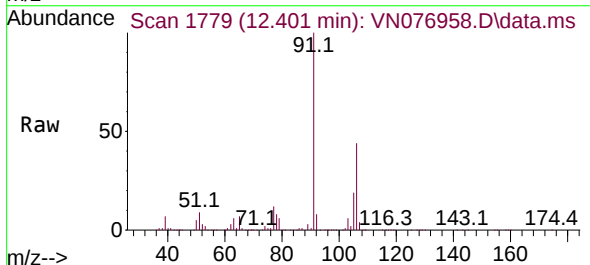
Tgt Ion:106 Resp: 586839
Ion Ratio Lower Upper
106 100
91 216.3 158.0 237.0

Manual Integrations
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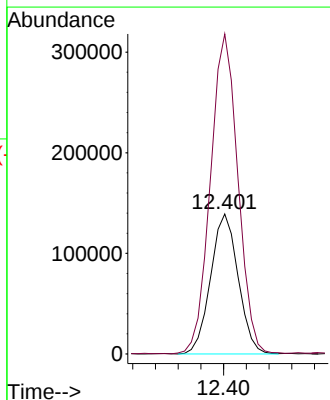
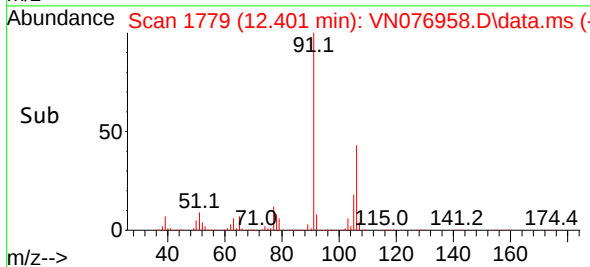
Reviewed By :John Carlone 03/13/2023
Supervised By :Mahesh Dadoda 03/14/2023

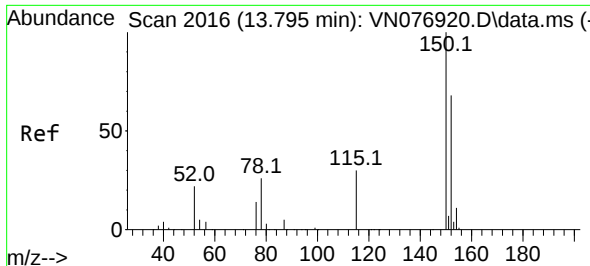


#69
o-Xylene
Concen: 26.571 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43



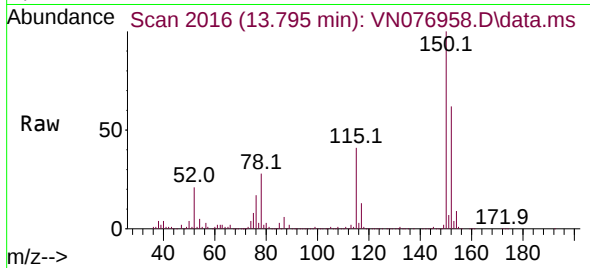
Tgt Ion:106 Resp: 234351
Ion Ratio Lower Upper
106 100
91 227.9 101.8 305.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.795 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43

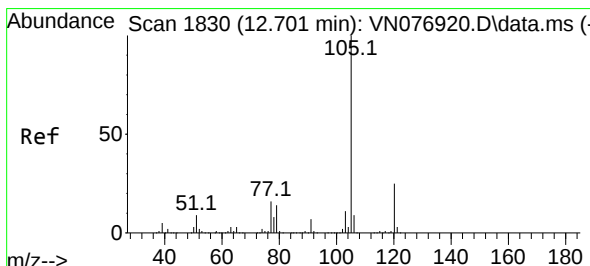
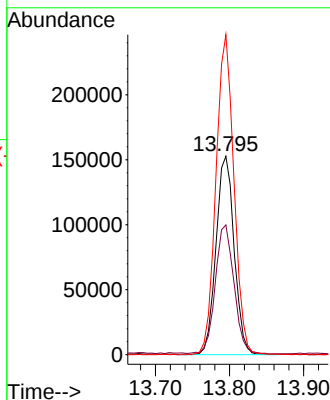
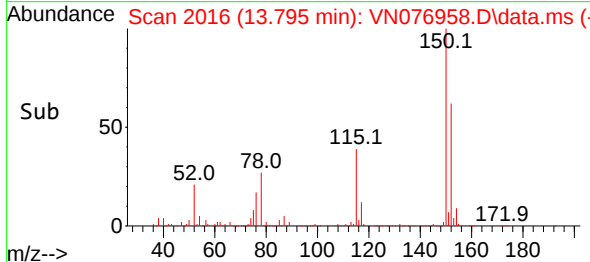
Instrument :
MSVOA_N
ClientSampleId :
MORRIS-030823DL



Tgt Ion:152 Resp: 260010
Ion Ratio Lower Upper
152 100
115 66.7 30.3 90.9
150 159.3 0.0 353.6

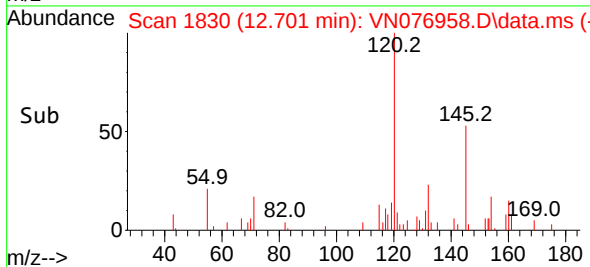
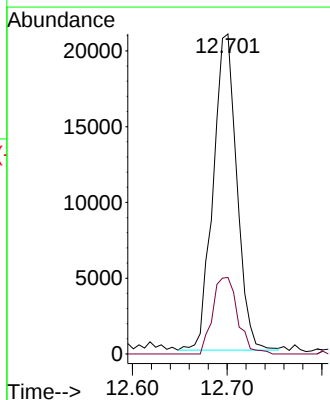
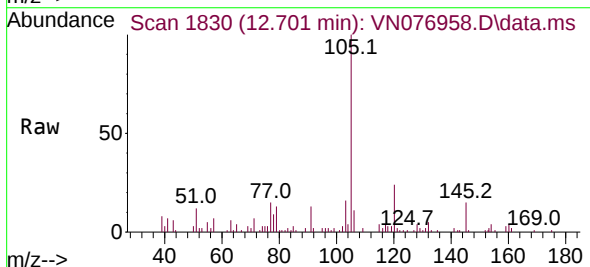
Manual Integrations
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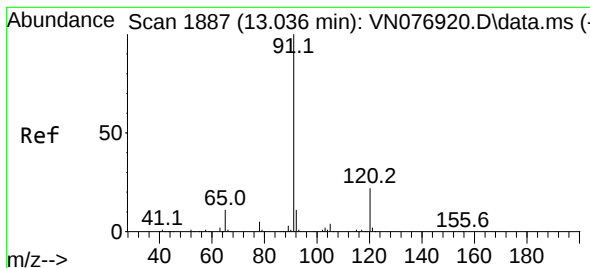
Reviewed By :John Carlone 03/13/2023
Supervised By :Mahesh Dadoda 03/14/2023



#73
Isopropylbenzene
Concen: 1.570 ug/l
RT: 12.701 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN076958.D
Acq: 13 Mar 2023 13:43

Tgt Ion:105 Resp: 36370
Ion Ratio Lower Upper
105 100
120 25.5 13.8 41.4





#78

n-propylbenzene

Concen: 1.388 ug/l

RT: 13.036 min Scan# 1887

Delta R.T. 0.000 min

Lab File: VN076958.D

Acq: 13 Mar 2023 13:43

Instrument :

MSVOA_N

ClientSampleId :

MORRIS-030823DL

Tgt Ion: 91 Resp: 3581

Ion Ratio Lower Upper

91 100

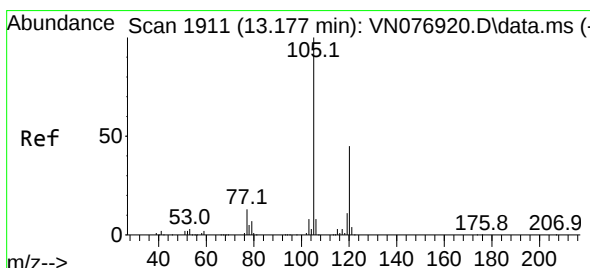
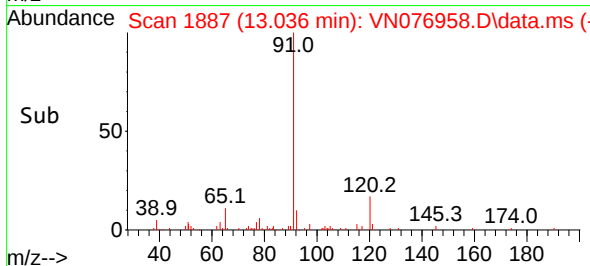
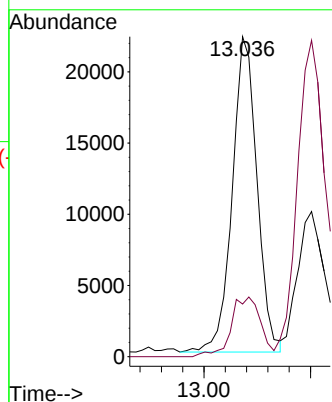
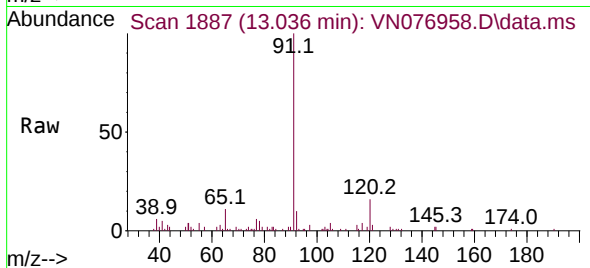
120 22.4 11.9 35.7

Manual Integrations

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Reviewed By :John Carlone 03/13/2023

Supervised By :Mahesh Dadoda 03/14/2023



#80

1,3,5-Trimethylbenzene

Concen: 4.563 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VN076958.D

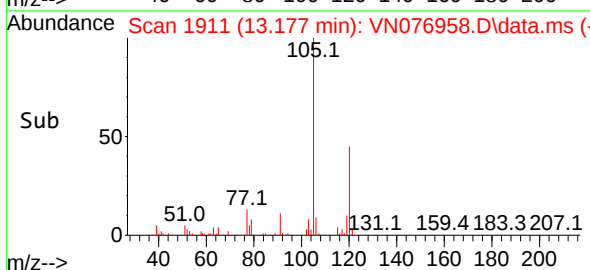
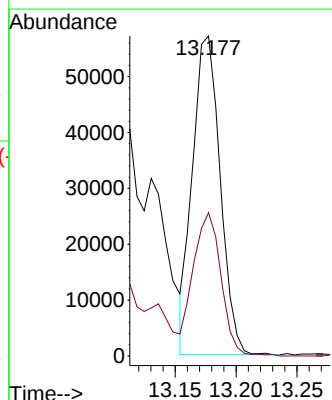
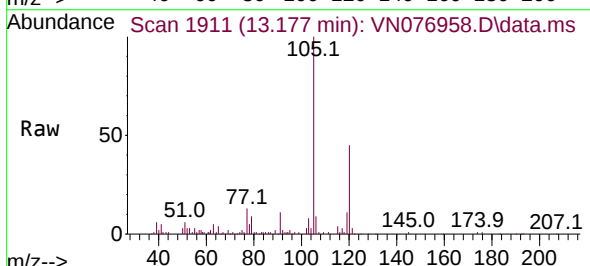
Acq: 13 Mar 2023 13:43

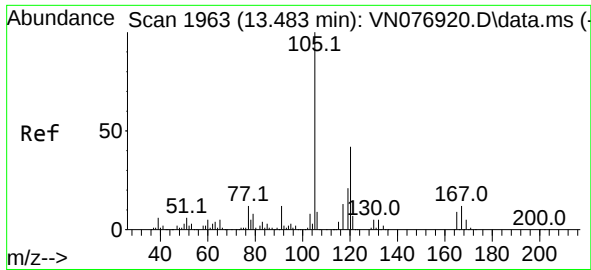
Tgt Ion:105 Resp: 90062

Ion Ratio Lower Upper

105 100

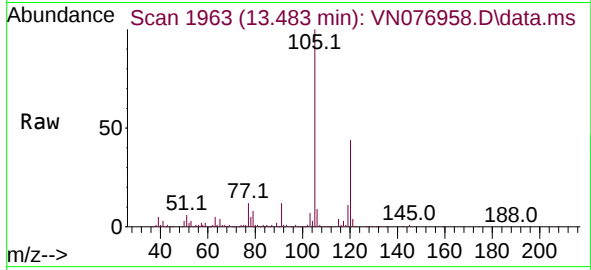
120 45.3 25.2 75.6





#84
 1,2,4-Trimethylbenzene
 Concen: 8.911 ug/l
 RT: 13.483 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VN076958.D
 Acq: 13 Mar 2023 13:43

Instrument :
 MSVOA_N
 ClientSampleId :
 MORRIS-030823DL



Tgt Ion:105 Resp: 175963
 Ion Ratio Lower Upper
 105 100
 120 43.0 23.6 70.8

Manual Integrations
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Reviewed By :John Carlone 03/13/2023
 Supervised By :Mahesh Dadoda 03/14/2023

