

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
 Data File : VN072244.D
 Acq On : 28 Apr 2022 17:47
 Operator : JC\MD
 Sample : N2617-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8I

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/29/2022
 Supervised By : Mahesh Dadoda 04/29/2022

Quant Time: Apr 29 06:35:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 26 18:50:11 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	292096	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	543689	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	597713	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	274947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	224316	50.022	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.040%			
35) Dibromofluoromethane	8.016	113	159730	45.901	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 91.800%			
50) Toluene-d8	10.433	98	702018	51.340	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.680%			
62) 4-Bromofluorobenzene	12.722	95	320853	70.693	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 141.380%#			
Target Compounds						
						Qvalue
11) Tert butyl alcohol	5.363	59	12759	17.314	ug/l	# 72
16) Acetone	4.275	43	150208	77.692	ug/l	# 67
25) 2-Butanone	7.334	43	38031	12.352	ug/l	# 88
31) Cyclohexane	8.092	56	1056685	176.357	ug/l	92
39) Methylcyclohexane	9.457	83	581796	102.697	ug/l	91
40) Benzene	8.457	78	4216648	268.381	ug/l	98
51) 4-Methyl-2-Pentanone	10.328	43	14650	2.308	ug/l	100
52) Toluene	10.498	92	3429884	365.170	ug/l	97
59) 2-Hexanone	11.080	43	14673	3.281	ug/l	64
67) Ethyl Benzene	11.833	91	22269860m	1057.376	ug/l	
68) m/p-Xylenes	11.951	106	10558184	1349.986	ug/l	96
69) o-Xylene	12.275	106	2694014	355.317	ug/l	89
73) Isopropylbenzene	12.575	105	1633956	67.287	ug/l	96
78) n-propylbenzene	12.916	91	5169790	193.250	ug/l	96
80) 1,3,5-Trimethylbenzene	13.057	105	1372194	67.852	ug/l	94
84) 1,2,4-Trimethylbenzene	13.363	105	6426950	328.459	ug/l	94
85) sec-Butylbenzene	13.492	105	128503m	5.551	ug/l	
86) p-Isopropyltoluene	13.610	119	23780	1.318	ug/l	# 78
89) n-Butylbenzene	13.933	91	177357	12.830	ug/l	# 82
95) Naphthalene	15.498	128	6553211	424.900	ug/l	99

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

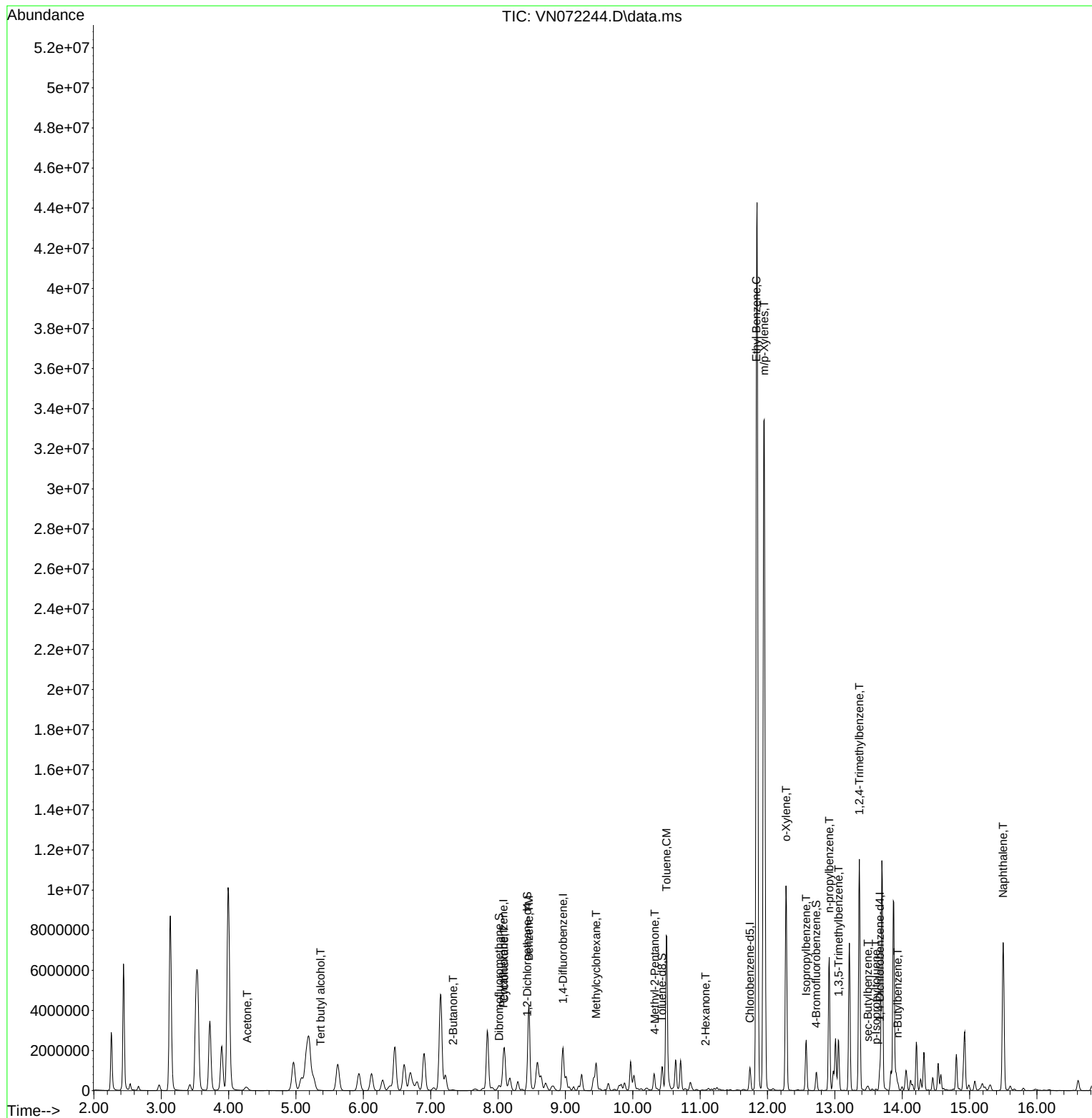
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN042822\
Data File : VN072244.D
Acq On : 28 Apr 2022 17:47
Operator : JC\MD
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ALS Vial : 14 Sample Multiplier: 1

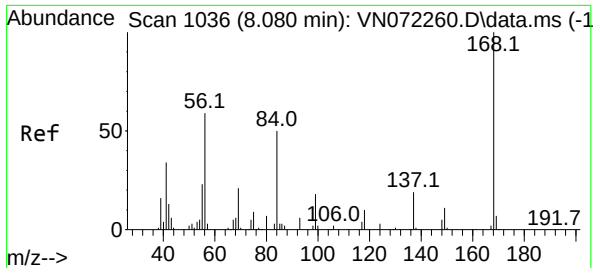
Instrument :
MSVOA_N
ClientSampleId :
MW-8I

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Supervised By : Mahesh Dadoda 04/29/2022

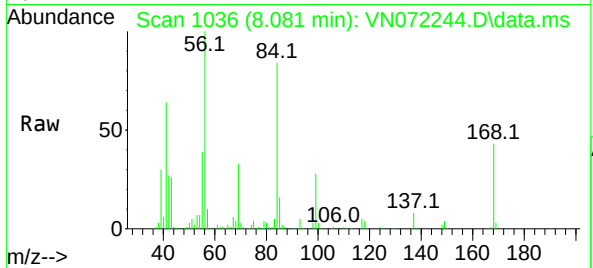
Quant Time: Apr 29 06:35:40 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042622W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 26 18:50:11 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

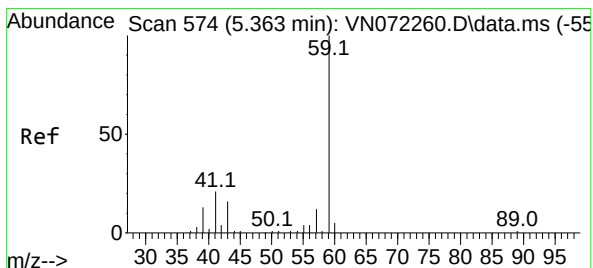
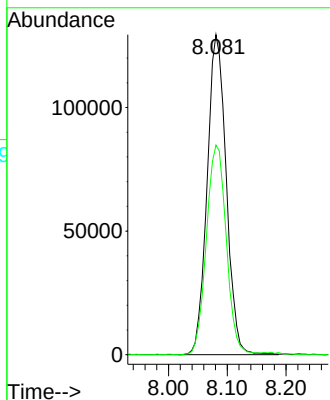
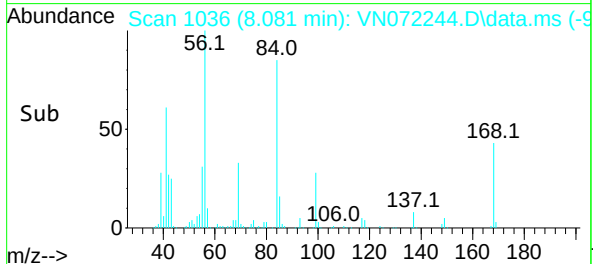
Instrument :
MSVOA_N
ClientSampleId :
MW-8I



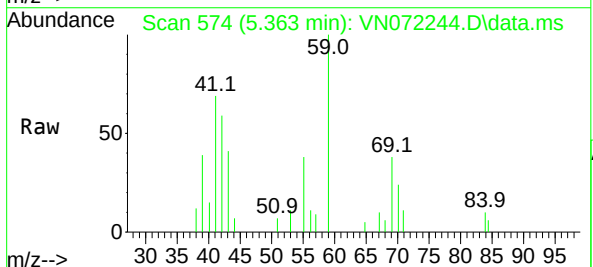
Tgt Ion:168 Resp: 292090
Ion Ratio Lower Upper
168 100
99 65.5 42.3 63.5

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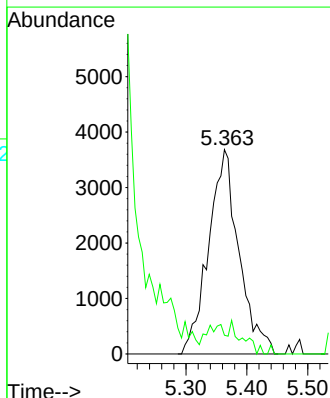
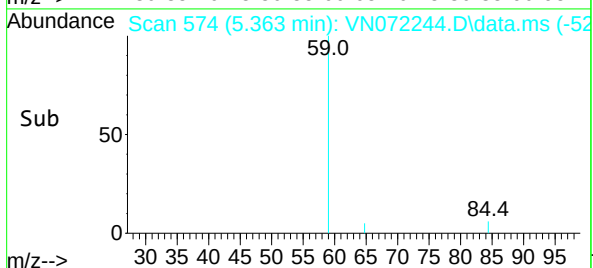
Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022

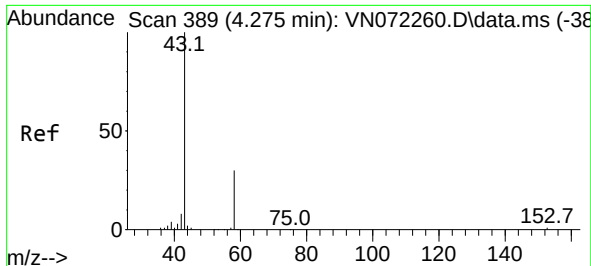


#11
Tert butyl alcohol
Concen: 17.314 ug/l
RT: 5.363 min Scan# 574
Delta R.T. 0.000 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47



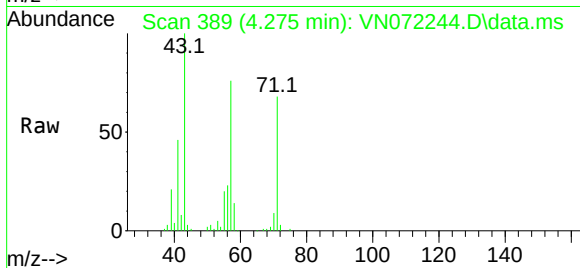
Tgt Ion: 59 Resp: 12759
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5





#16
Acetone
Concen: 77.692 ug/l
RT: 4.275 min Scan# 389
Delta R.T. -0.006 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

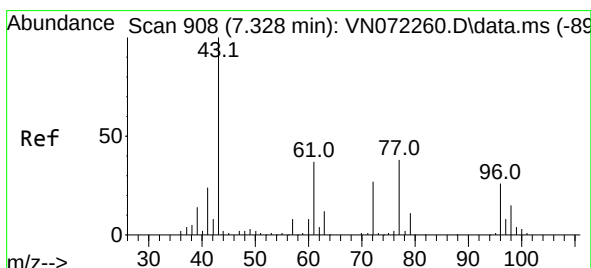
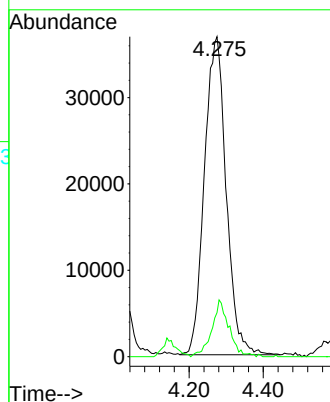
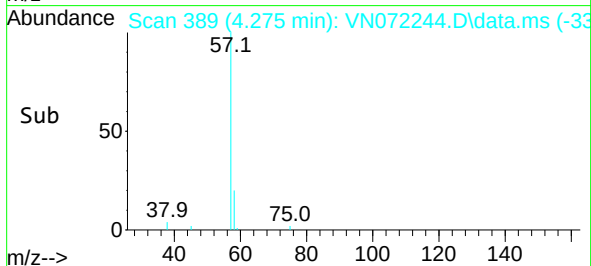
Instrument :
MSVOA_N
ClientSampleId :
MW-8I



Tgt Ion: 43 Resp: 150208
Ion Ratio Lower Upper
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58 13.8 26.0 39.0

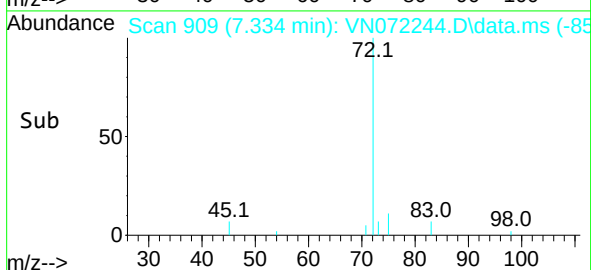
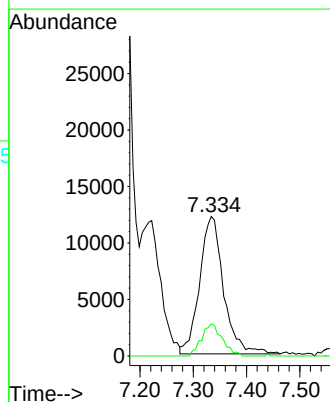
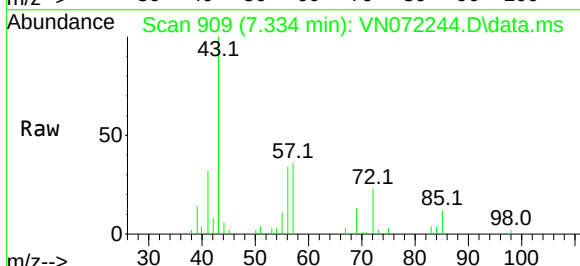
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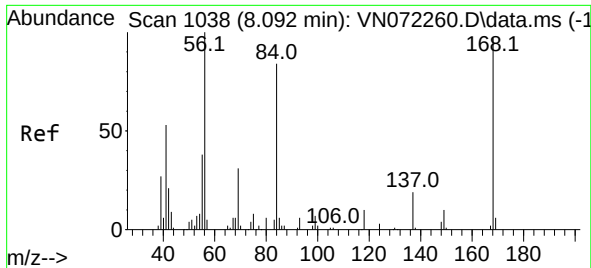
Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#25
2-Butanone
Concen: 12.352 ug/l
RT: 7.334 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

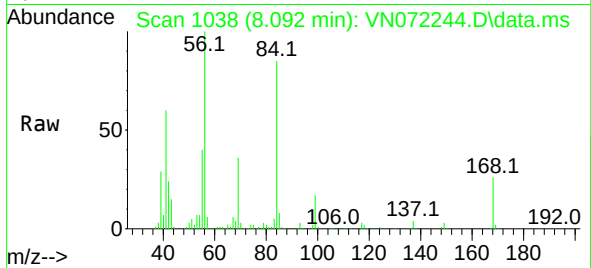
Tgt Ion: 43 Resp: 38031
Ion Ratio Lower Upper
43 100
72 23.4 23.7 35.5





#31
Cyclohexane
Concen: 176.357 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

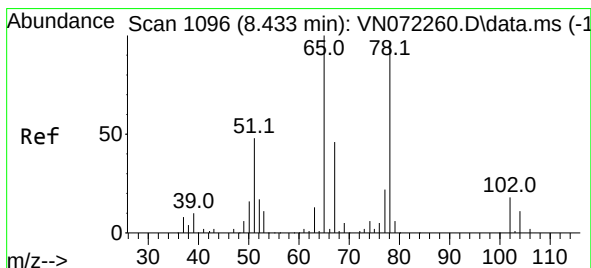
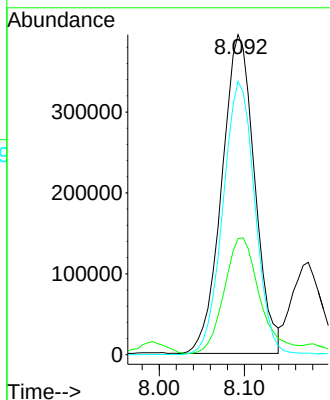
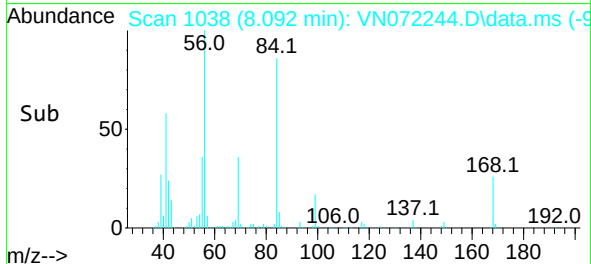
Instrument :
MSVOA_N
ClientSampleId :
MW-8I



Tgt Ion: 56 Resp: 105668
Ion Ratio Lower Upper
56 100
69 35.6 27.8 41.8
84 85.6 76.9 115.3

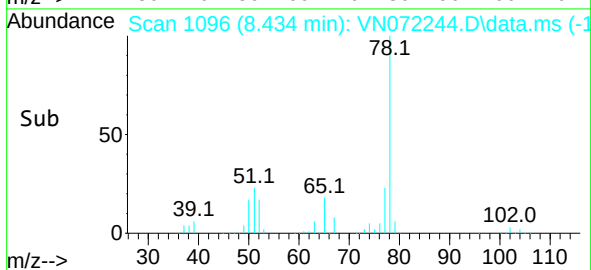
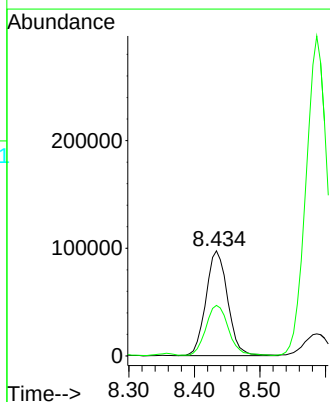
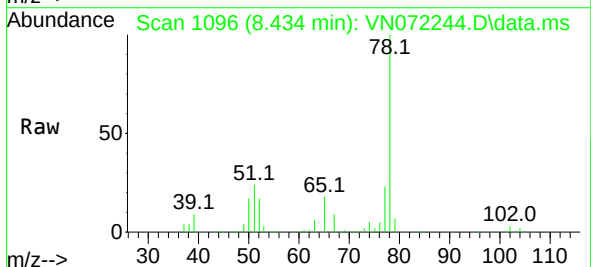
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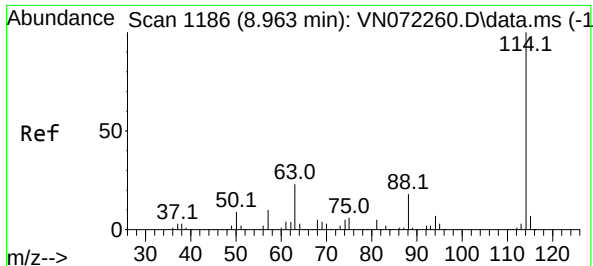
Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#33
1,2-Dichloroethane-d4
Concen: 50.022 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

Tgt Ion: 65 Resp: 224316
Ion Ratio Lower Upper
65 100
67 49.3 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: VN072244.D

Acq: 28 Apr 2022 17:47

Instrument :

MSVOA_N

ClientSampleId :

MW-8I

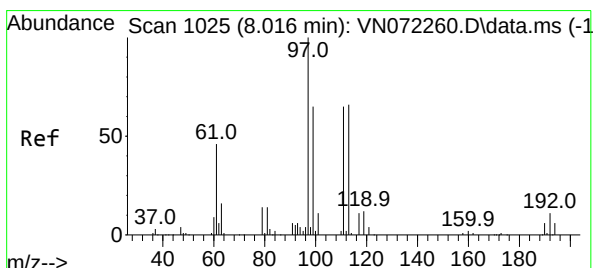
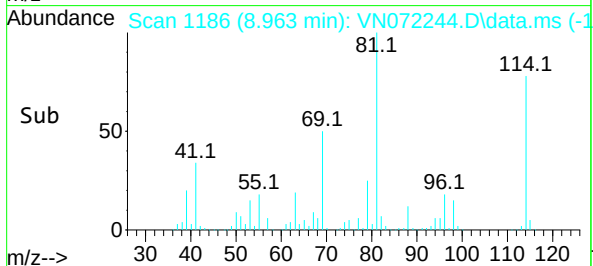
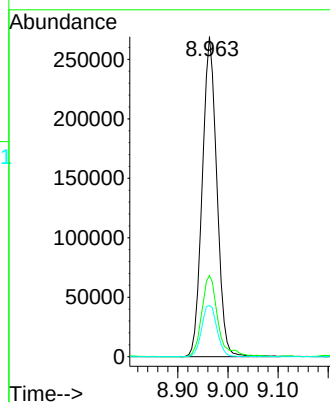
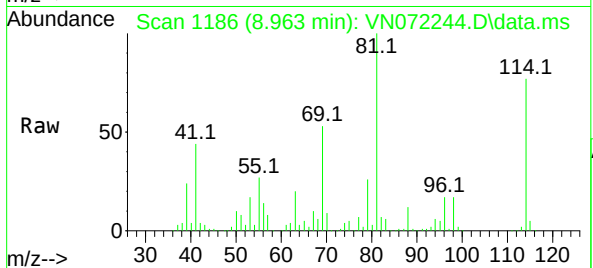
Tgt Ion:114 Resp: 543689
 Ion Ratio Lower Upper
 114 100
 63 25.4 0.0 40.0
 88 16.0 0.0 32.6

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Reviewed By :John Carlone 04/29/2022

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#35

Dibromofluoromethane

Concen: 45.901 ug/l

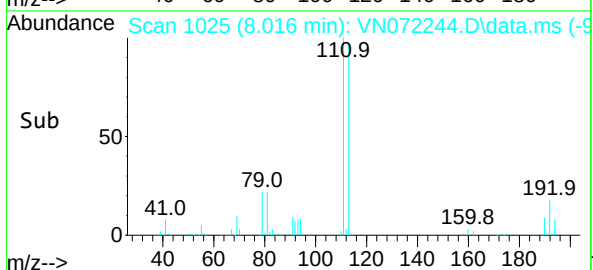
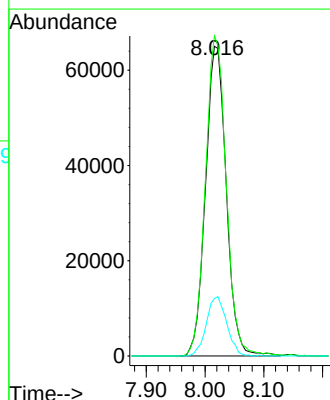
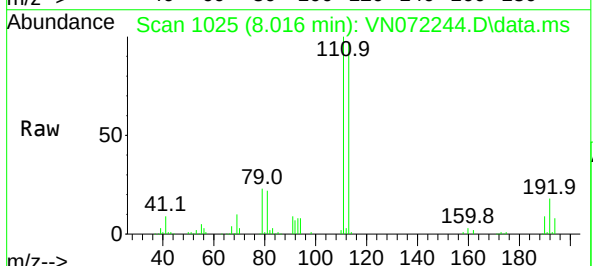
RT: 8.016 min Scan# 1025

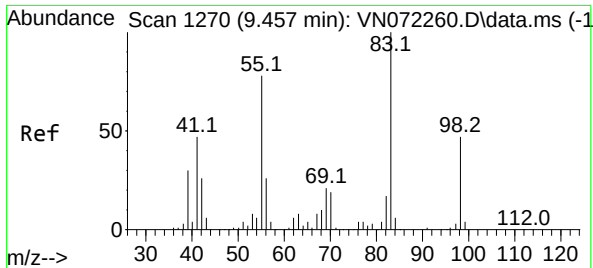
Delta R.T. -0.000 min

Lab File: VN072244.D

Acq: 28 Apr 2022 17:47

Tgt Ion:113 Resp: 159730
 Ion Ratio Lower Upper
 113 100
 111 103.6 81.4 122.0
 192 18.7 17.0 25.6





#39

Methylcyclohexane

Concen: 102.697 ug/l

RT: 9.457 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VN072244.D

Acq: 28 Apr 2022 17:47

Instrument :

MSVOA_N

ClientSampleId :

MW-8I

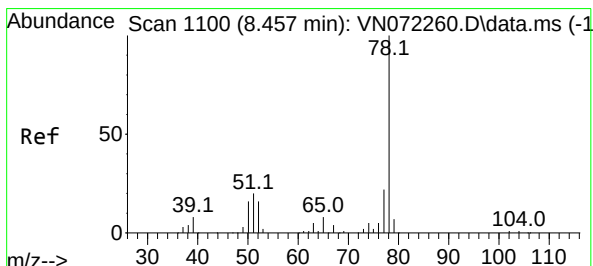
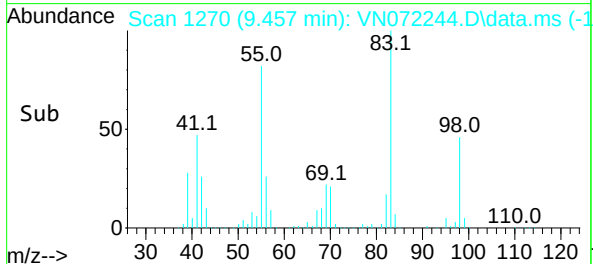
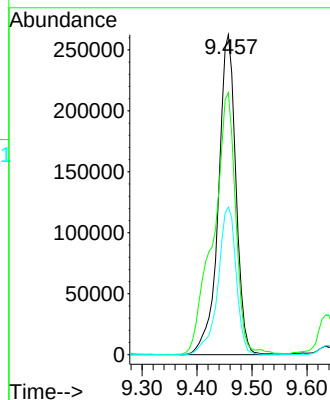
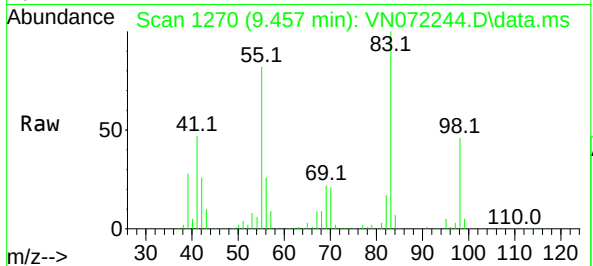
Tgt Ion: 83 Resp: 581790
 Ion Ratio Lower Upper
 83 100
 55 81.7 57.8 86.8
 98 46.2 39.4 59.2

Manual Integrations

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Supervised By :Mahesh Dadoda 04/29/2022



#40

Benzene

Concen: 268.381 ug/l

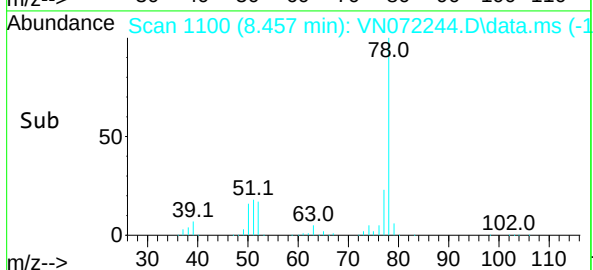
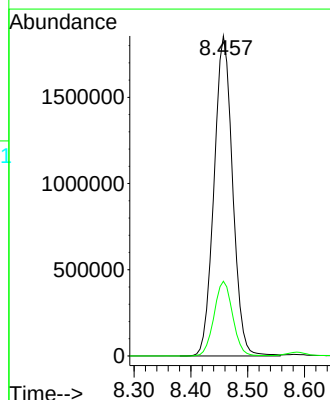
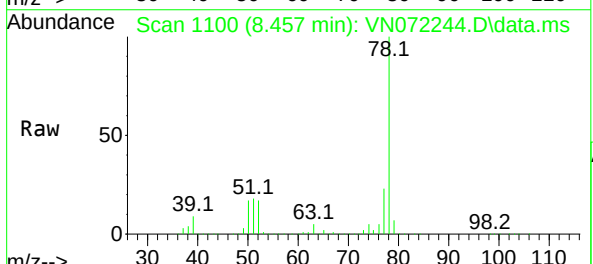
RT: 8.457 min Scan# 1100

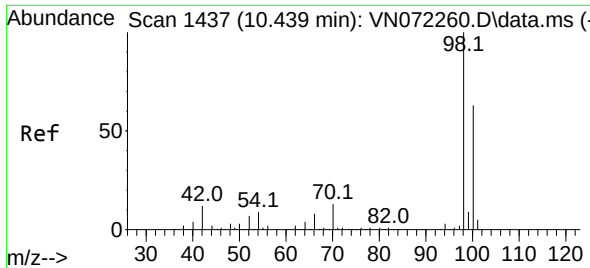
Delta R.T. 0.000 min

Lab File: VN072244.D

Acq: 28 Apr 2022 17:47

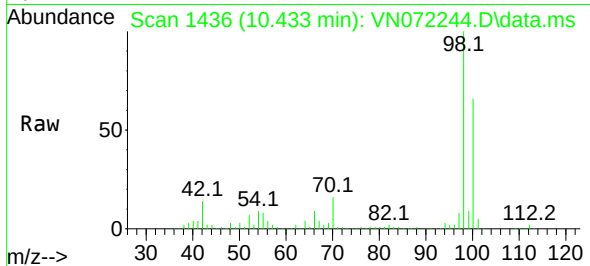
Tgt Ion: 78 Resp: 4216648
 Ion Ratio Lower Upper
 78 100
 77 23.4 19.4 29.0





#50
Toluene-d8
Concen: 51.340 ug/l
RT: 10.433 min Scan# 1436
Delta R.T. -0.006 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

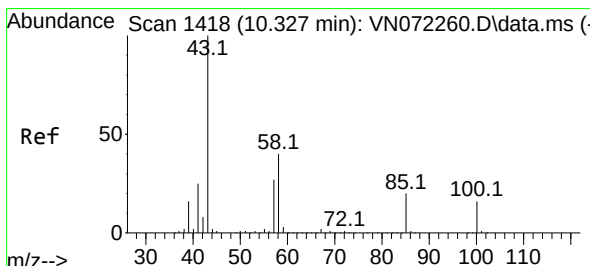
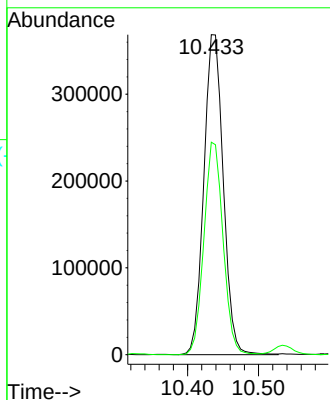
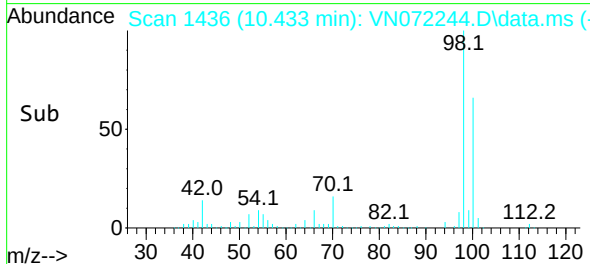
Instrument :
MSVOA_N
ClientSampleId :
MW-8I



Tgt Ion: 98 Resp: 702018
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8

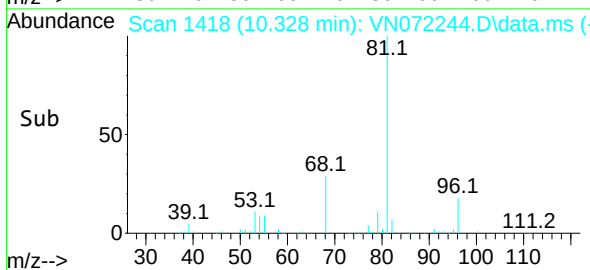
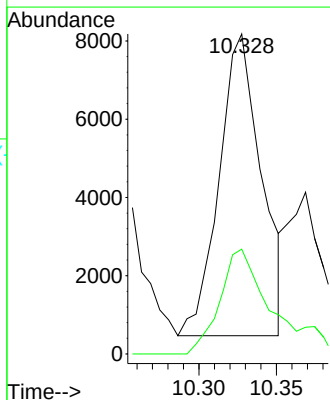
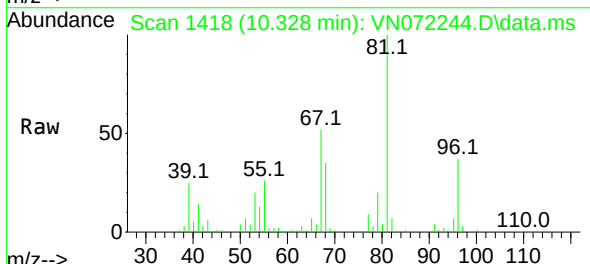
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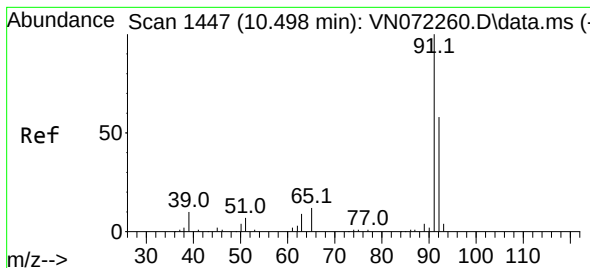
Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#51
4-Methyl-2-Pentanone
Concen: 2.308 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

Tgt Ion: 43 Resp: 14650
Ion Ratio Lower Upper
43 100
58 42.5 34.1 51.1





#52

Toluene

Concen: 365.170 ug/l

RT: 10.498 min Scan# 1447

Delta R.T. -0.006 min

Lab File: VN072244.D

Acq: 28 Apr 2022 17:47

Instrument :

MSVOA_N

ClientSampleId :

MW-8I

Tgt Ion: 92 Resp: 3429884

Ion Ratio Lower Upper

92 100

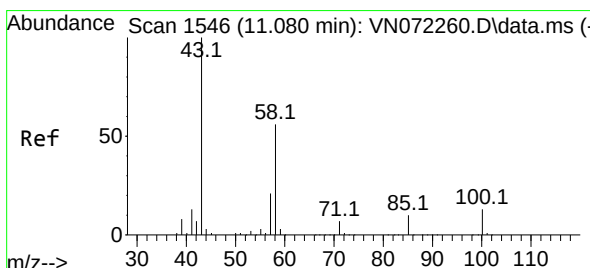
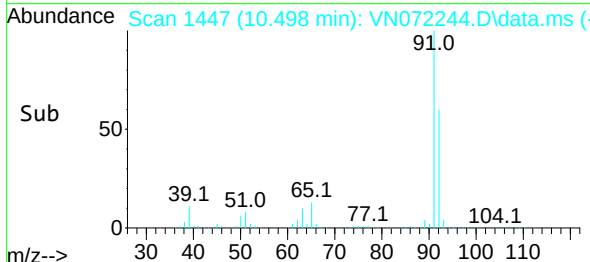
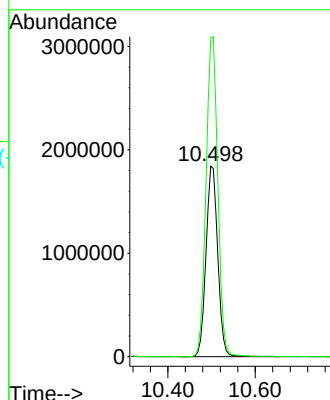
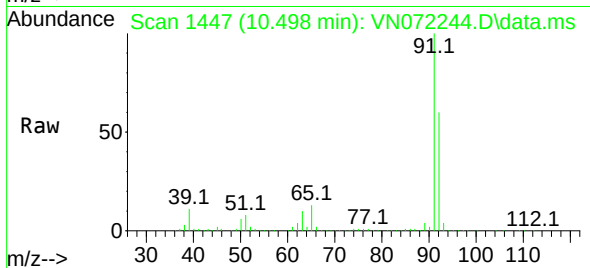
91 168.8 138.6 207.8

Manual Integrations

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Reviewed By :John Carlone 04/29/2022

Supervised By :Mahesh Dadoda 04/29/2022



#59

2-Hexanone

Concen: 3.281 ug/l

RT: 11.080 min Scan# 1546

Delta R.T. -0.001 min

Lab File: VN072244.D

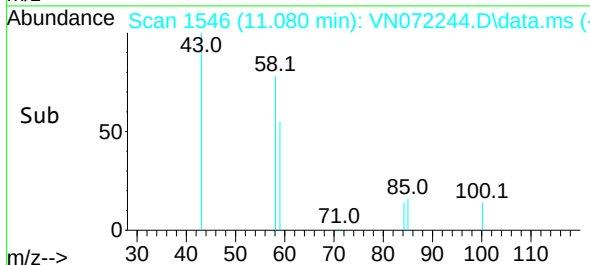
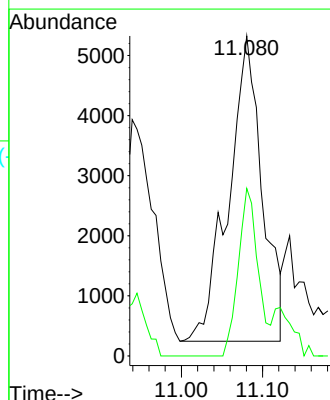
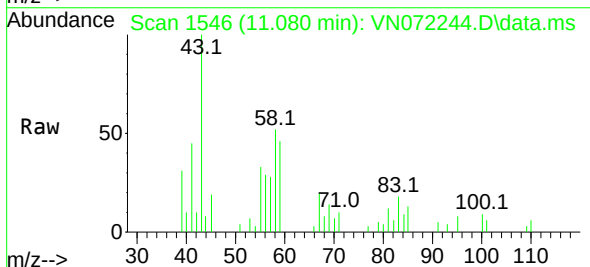
Acq: 28 Apr 2022 17:47

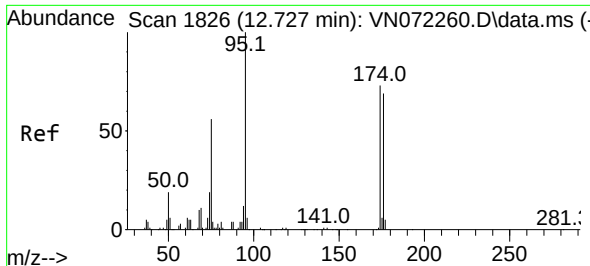
Tgt Ion: 43 Resp: 14673

Ion Ratio Lower Upper

43 100

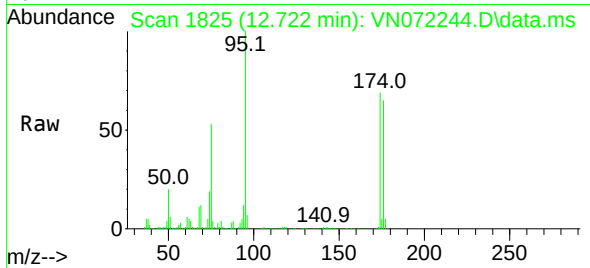
58 32.5 29.7 89.1





#62
4-Bromofluorobenzene
Concen: 70.693 ug/l
RT: 12.722 min Scan# 1826
Delta R.T. -0.005 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

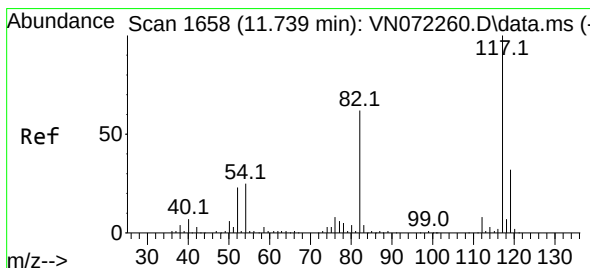
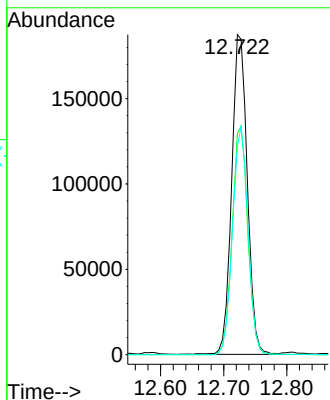
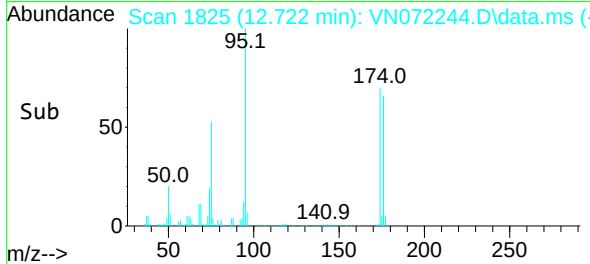
Instrument :
MSVOA_N
ClientSampleId :
MW-8I



Tgt Ion: 95 Resp: 32085
Ion Ratio Lower Upper
95 100
174 71.7 0.0 167.6
176 70.7 0.0 163.4

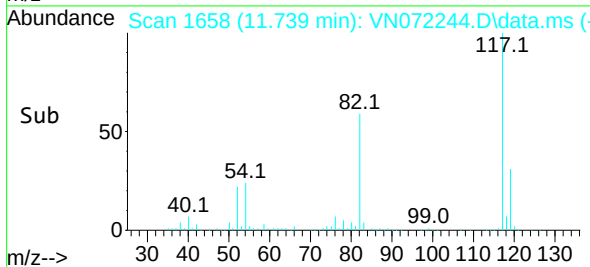
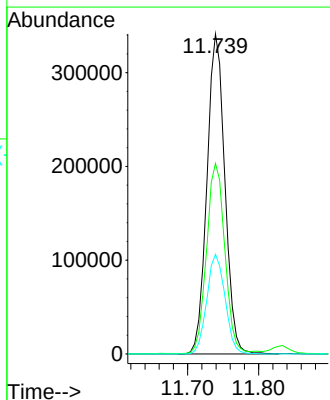
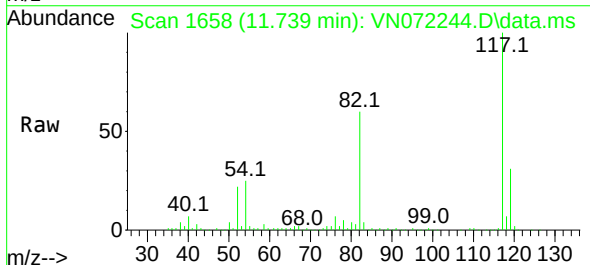
Manual Integrations
APPROVED

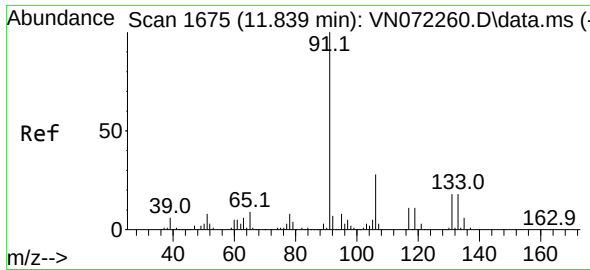
Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

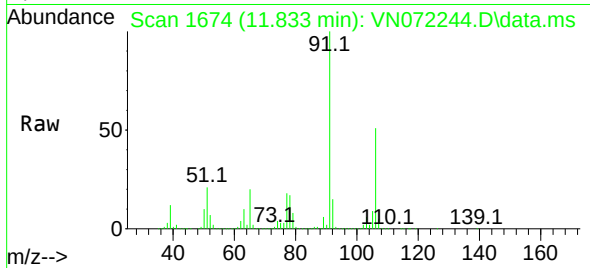
Tgt Ion:117 Resp: 597713
Ion Ratio Lower Upper
117 100
82 59.4 44.2 66.2
119 31.1 25.4 38.0





#67
Ethyl Benzene
Concen: 1057.376 ug/l m
RT: 11.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

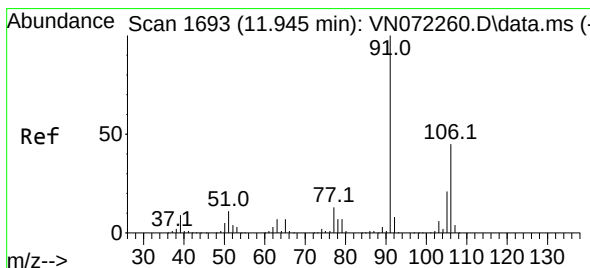
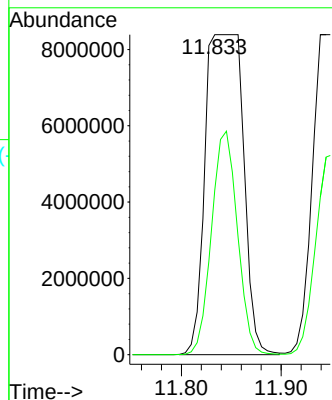
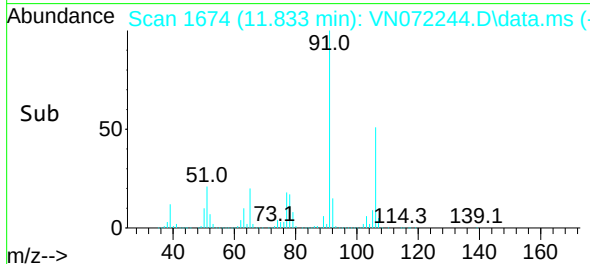
Instrument :
MSVOA_N
ClientSampleId :
MW-8I



Tgt Ion: 91 Resp:22269860
Ion Ratio Lower Upper
91 100
106 51.4 24.9 37.3

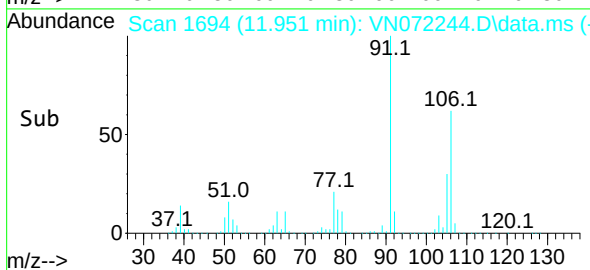
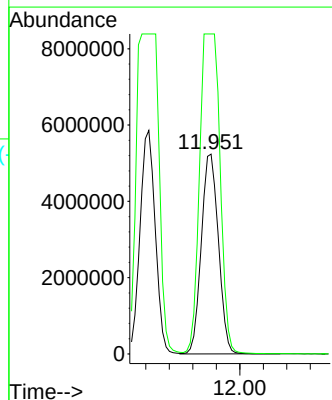
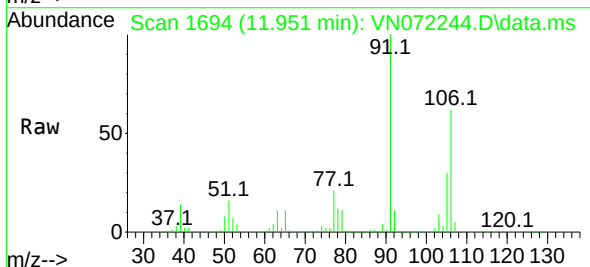
Manual Integrations
APPROVED

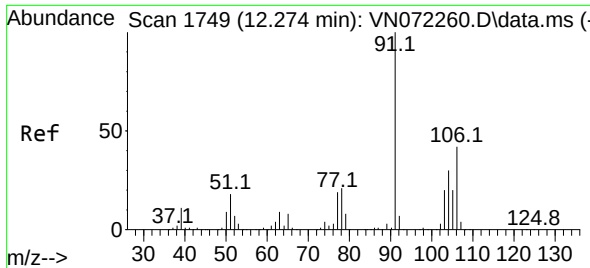
Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#68
m/p-Xylenes
Concen: 1349.986 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

Tgt Ion:106 Resp:10558184
Ion Ratio Lower Upper
106 100
91 191.9 158.9 238.3





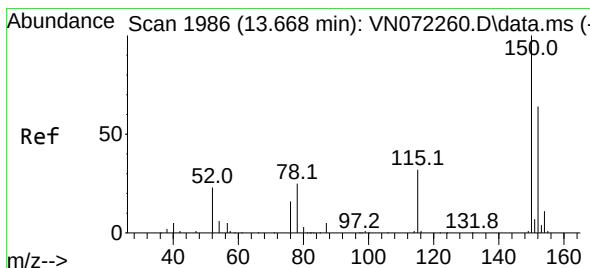
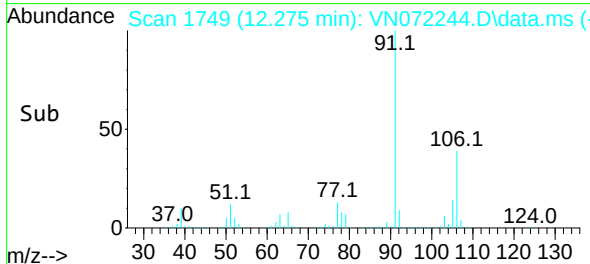
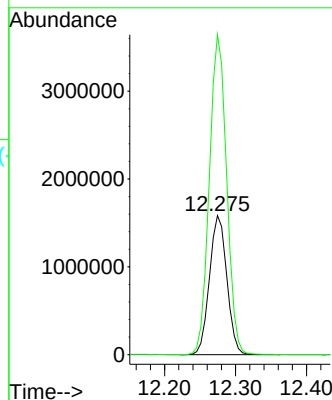
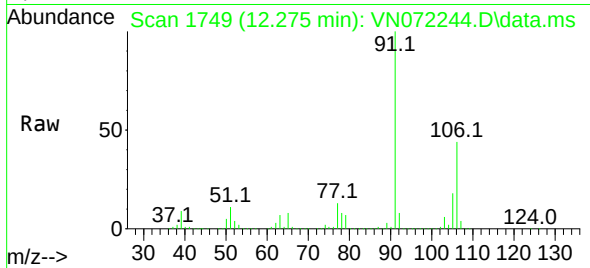
#69
o-Xylene
Concen: 355.317 ug/l
RT: 12.275 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

Instrument :
MSVOA_N
ClientSampleId :
MW-8I

Tgt Ion:106 Resp: 2694014
Ion Ratio Lower Upper
106 100
91 229.0 106.0 318.0

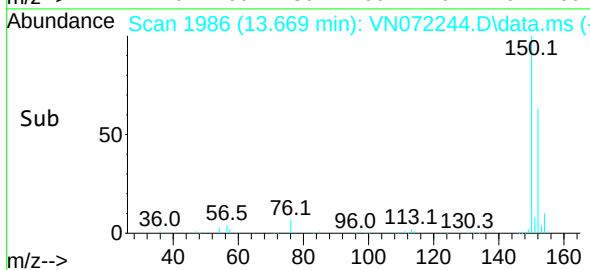
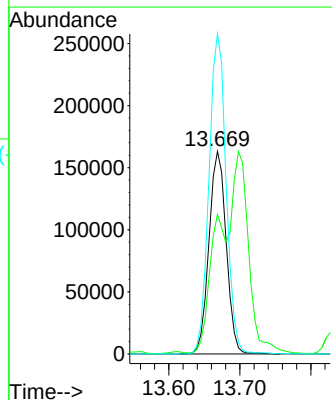
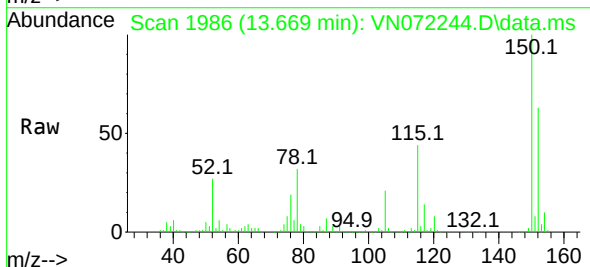
Manual Integrations
APPROVED

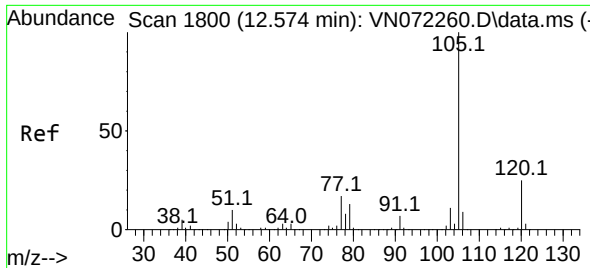
Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

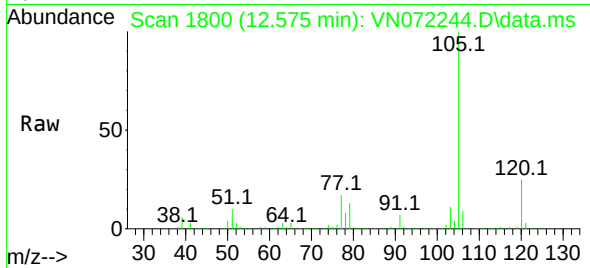
Tgt Ion:152 Resp: 274947
Ion Ratio Lower Upper
152 100
115 63.8 28.9 86.7
150 157.1 0.0 356.2





#73
Isopropylbenzene
Concen: 67.287 ug/l
RT: 12.575 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

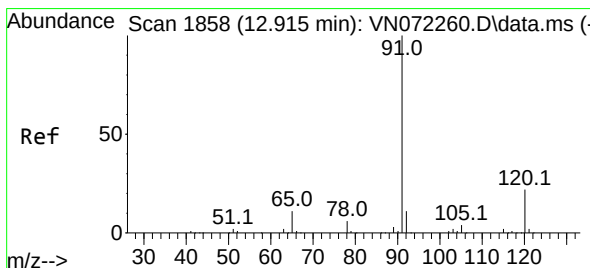
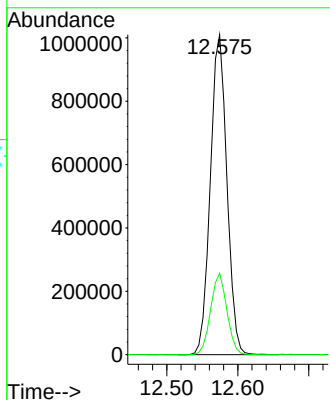
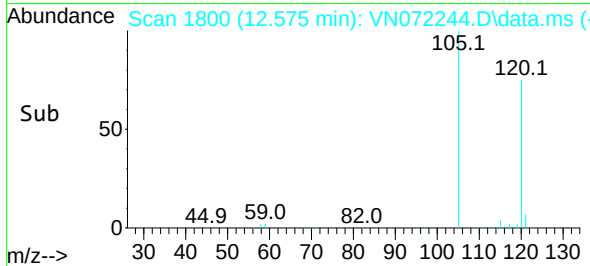
Instrument :
MSVOA_N
ClientSampleId :
MW-8I



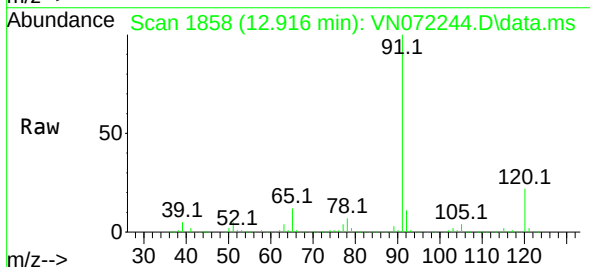
Tgt Ion:105 Resp: 1633950
Ion Ratio Lower Upper
105 100
120 24.9 13.5 40.4

Manual Integrations
APPROVED

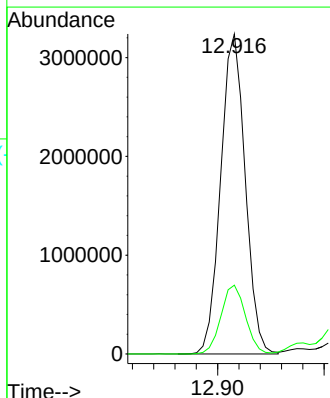
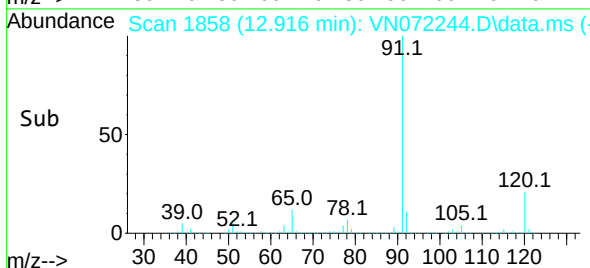
Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022

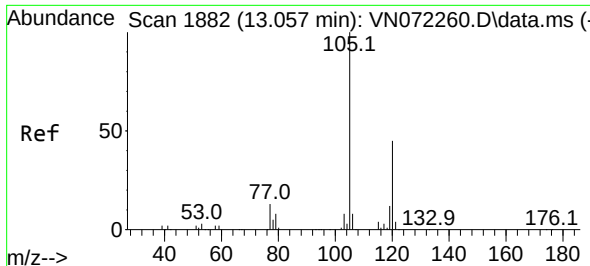


#78
n-propylbenzene
Concen: 193.250 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47



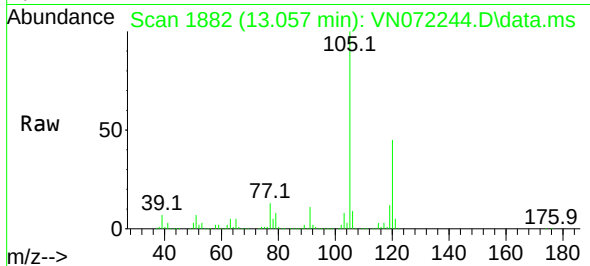
Tgt Ion: 91 Resp: 5169790
Ion Ratio Lower Upper
91 100
120 21.6 11.9 35.5





#80
 1,3,5-Trimethylbenzene
 Concen: 67.852 ug/l
 RT: 13.057 min Scan# 1882
 Delta R.T. 0.006 min
 Lab File: VN072244.D
 Acq: 28 Apr 2022 17:47

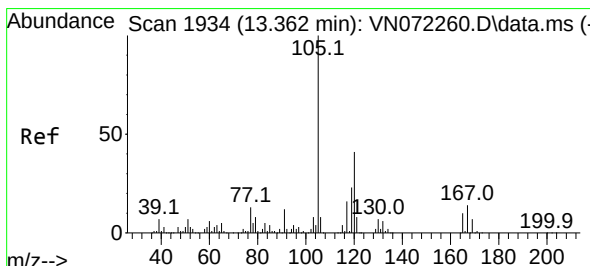
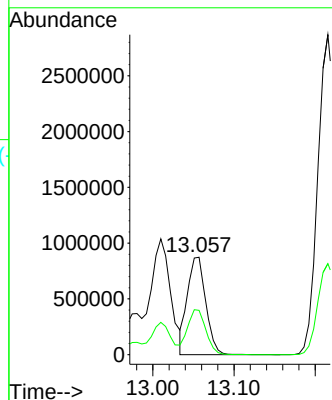
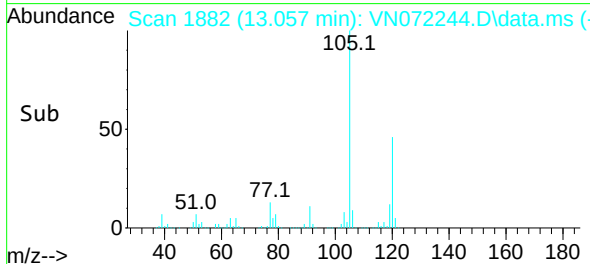
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8I



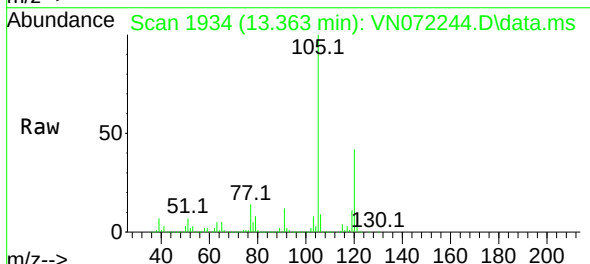
Tgt Ion:105 Resp: 1372194
 Ion Ratio Lower Upper
 105 100
 120 46.0 24.9 74.7

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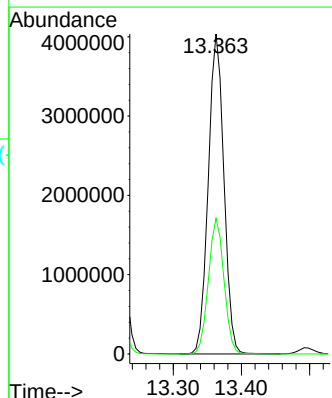
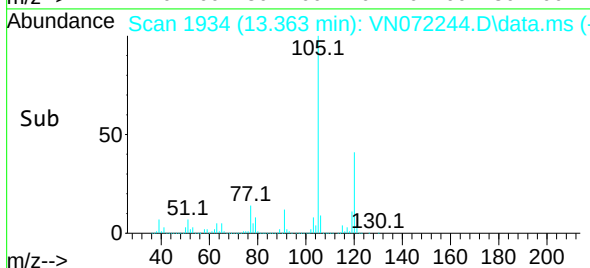
Reviewed By :John Carlone 04/29/2022
 Supervised By :Mahesh Dadoda 04/29/2022

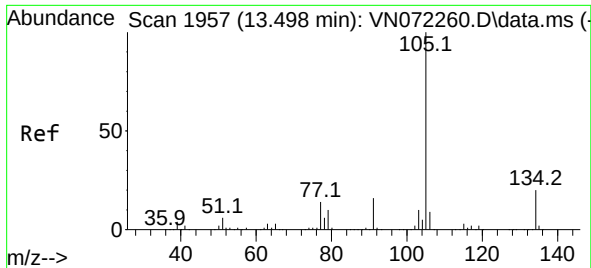


#84
 1,2,4-Trimethylbenzene
 Concen: 328.459 ug/l
 RT: 13.363 min Scan# 1934
 Delta R.T. -0.000 min
 Lab File: VN072244.D
 Acq: 28 Apr 2022 17:47



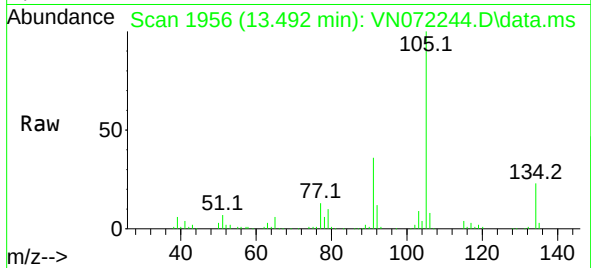
Tgt Ion:105 Resp: 6426950
 Ion Ratio Lower Upper
 105 100
 120 42.2 23.3 69.8





#85
 sec-Butylbenzene
 Concen: 5.551 ug/l m
 RT: 13.492 min Scan# 1957
 Delta R.T. -0.006 min
 Lab File: VN072244.D
 Acq: 28 Apr 2022 17:47

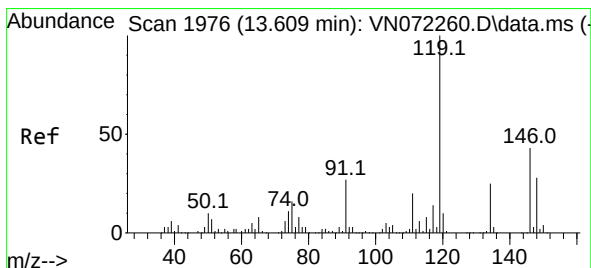
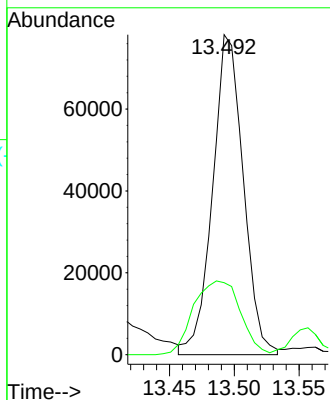
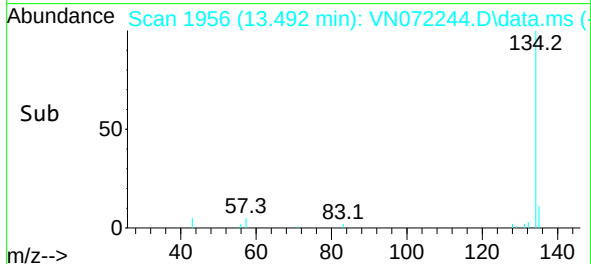
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-8I



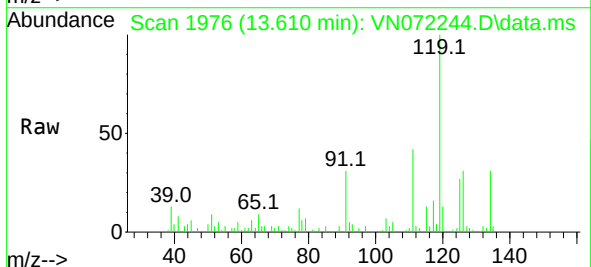
Tgt Ion:105 Resp: 12850
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1

Manual Integrations
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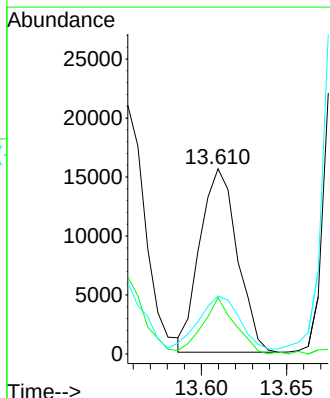
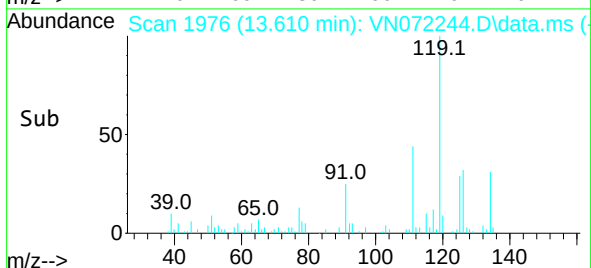
Reviewed By :John Carlone 04/29/2022
 Supervised By :Mahesh Dadoda 04/29/2022

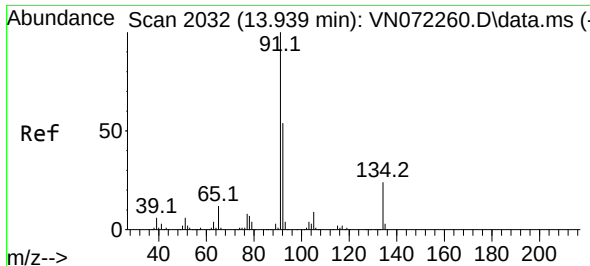


#86
 p-Isopropyltoluene
 Concen: 1.318 ug/l
 RT: 13.610 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VN072244.D
 Acq: 28 Apr 2022 17:47



Tgt Ion:119 Resp: 23780
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.3 39.8
 91 0.0 11.3 33.9





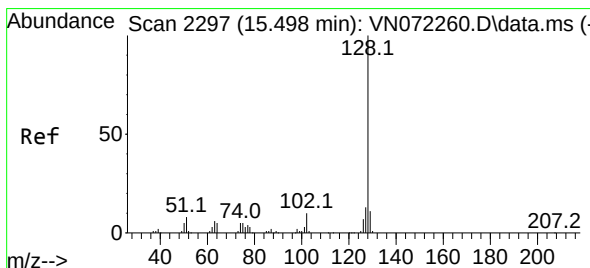
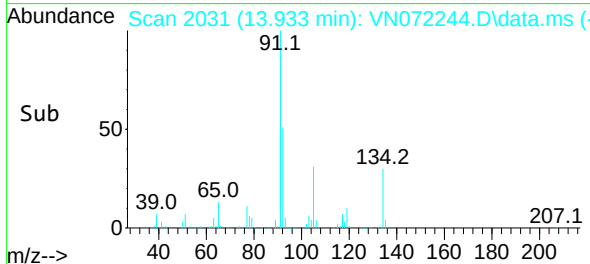
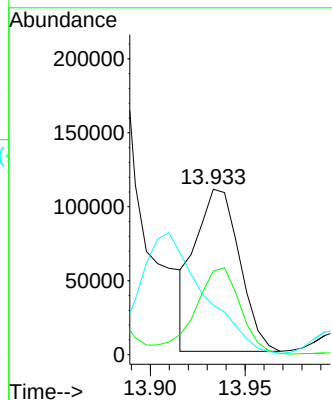
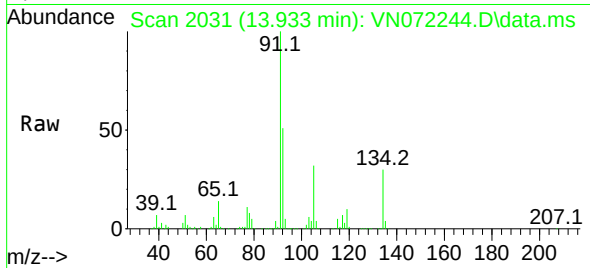
#89
n-Butylbenzene
Concen: 12.830 ug/l
RT: 13.933 min Scan# 2032
Delta R.T. -0.006 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

Instrument :
MSVOA_N
ClientSampleId :
MW-8I

Tgt Ion: 91 Resp: 17735
Ion Ratio Lower Upper
91 100
92 54.2 26.9 80.7
134 0.0 13.6 40.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/29/2022
Supervised By :Mahesh Dadoda 04/29/2022



#95
Naphthalene
Concen: 424.900 ug/l
RT: 15.498 min Scan# 2297
Delta R.T. -0.000 min
Lab File: VN072244.D
Acq: 28 Apr 2022 17:47

Tgt Ion:128 Resp: 6553211
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.0 8.6 13.0

