

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
 Data File : VN072751.D
 Acq On : 10 Jun 2022 00:24
 Operator : JC\MD
 Sample : N3202-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022

Quant Time: Jun 10 01:49:02 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	8.087	168	190364	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	358105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	339515	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.669	152	155763	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	272122	53.261	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 106.520%		
35) Dibromofluoromethane	8.016	113	195493	55.171	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 110.340%		
50) Toluene-d8	10.439	98	671956	47.530	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 95.060%		
62) 4-Bromofluorobenzene	12.727	95	284216	58.587	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 117.180%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.363	59	1413923	1160.092	ug/l	99
16) Acetone	4.281	43	91095	37.209	ug/l #	82
17) Carbon Disulfide	4.534	76	10669	1.956	ug/l	97
19) Methyl tert-butyl Ether	5.610	73	936321	75.363	ug/l #	59
22) Diisopropyl ether	6.493	45	102200	7.951	ug/l	96
25) 2-Butanone	7.334	43	32704	8.304	ug/l #	86
31) Cyclohexane	8.092	56	242872	44.826	ug/l	90
39) Methylcyclohexane	9.457	83	117565	20.598	ug/l	92
40) Benzene	8.457	78	5936619	397.749	ug/l	100
51) 4-Methyl-2-Pentanone	10.328	43	20809	2.685	ug/l	90
52) Toluene	10.504	92	924624	99.220	ug/l	99
67) Ethyl Benzene	11.845	91	14348006	843.443	ug/l	98
68) m/p-Xylenes	11.951	106	12271527	2029.902	ug/l	79
69) o-Xylene	12.275	106	1866066	307.073	ug/l	91
73) Isopropylbenzene	12.575	105	1223517	73.230	ug/l	97
78) n-propylbenzene	12.916	91	2307245	126.477	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	3117913	235.517	ug/l	95
84) 1,2,4-Trimethylbenzene	13.369	105	13924370	1099.272	ug/l	98
85) sec-Butylbenzene	13.498	105	55817m	3.558	ug/l	
86) p-Isopropyltoluene	13.610	119	53556	4.339	ug/l #	78
89) n-Butylbenzene	13.939	91	44199m	4.251	ug/l	

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

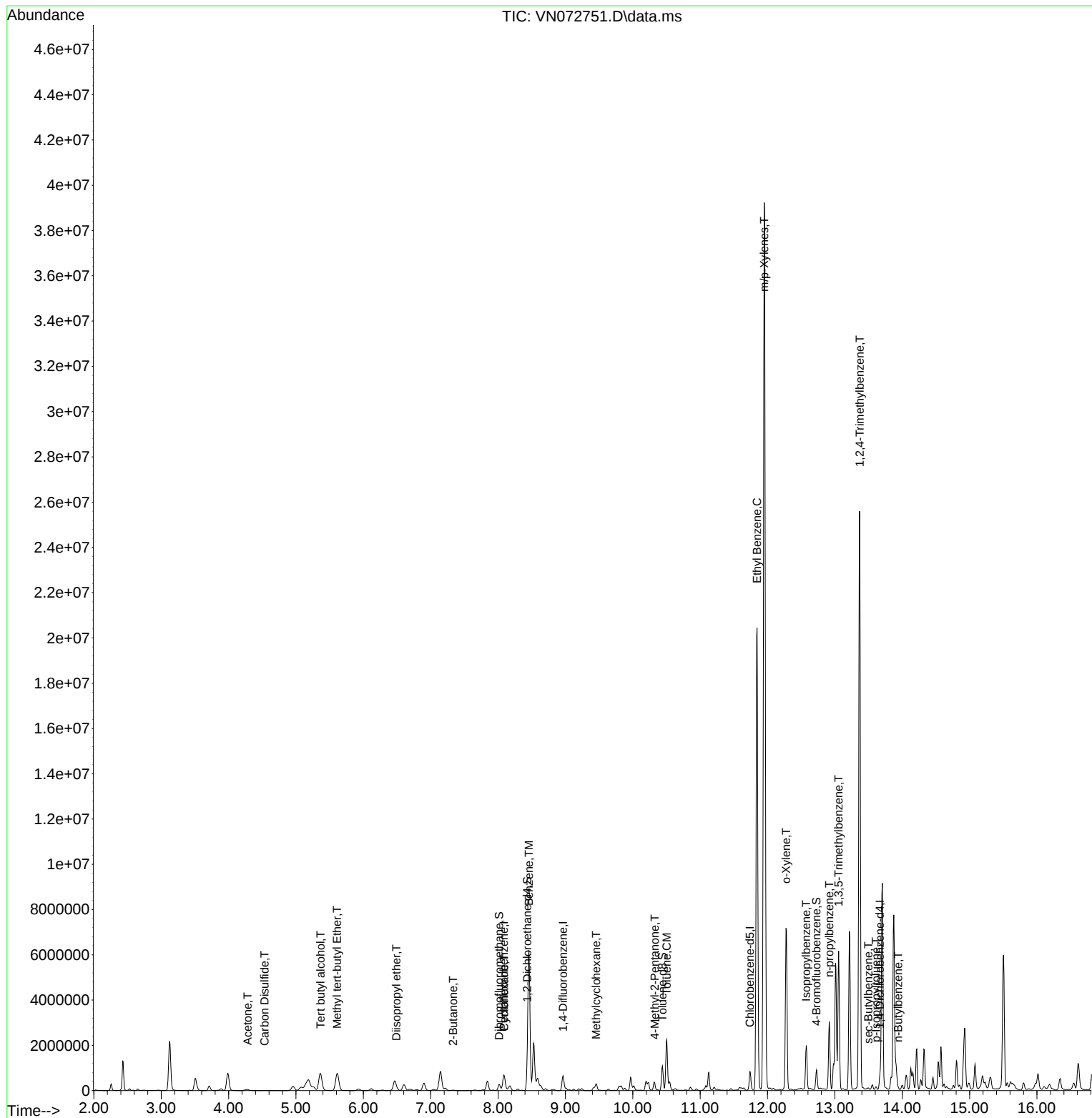
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060922\
Data File : VN072751.D
Acq On : 10 Jun 2022 00:24
Operator : JC\MD
Sample : N3202-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 34 Sample Multiplier: 1

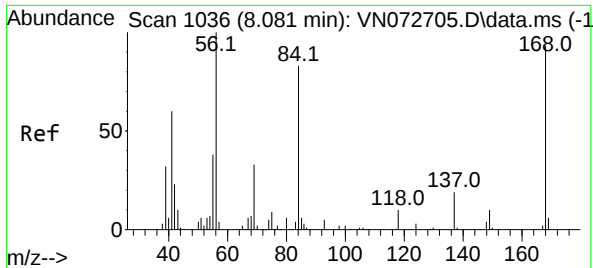
Instrument :
MSVOA_N
ClientSampleId :
MW-15

Manual Integrations
APPROVED

Reviewed By : John Carlone 06/10/2022
Supervised By : Mahesh Dadoda 06/10/2022

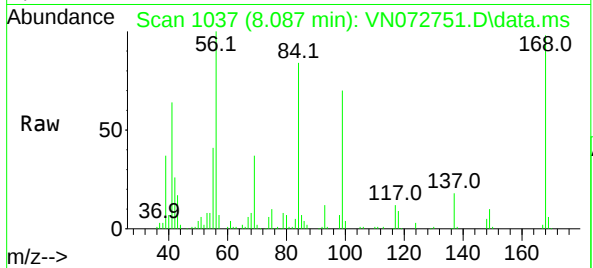
Quant Time: Jun 10 01:49:02 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 09 05:17:31 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.087 min Scan# 1036
Delta R.T. 0.006 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24

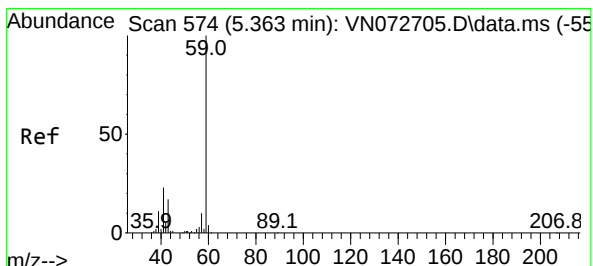
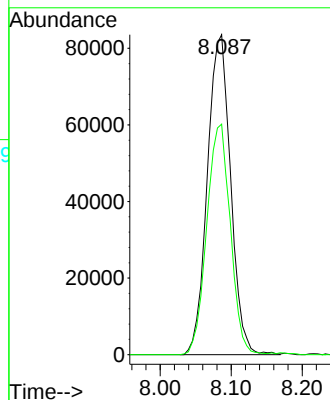
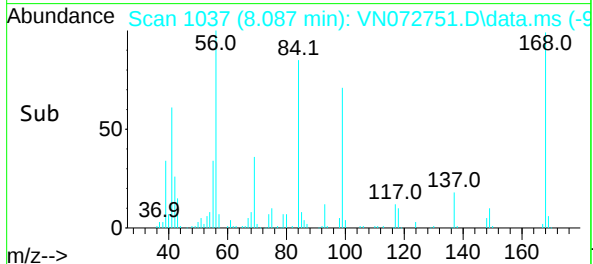
Instrument :
MSVOA_N
Client Sample Id :
MW-15



Tgt Ion:168 Resp: 190364
Ion Ratio Lower Upper
168 100
99 72.0 42.3 63.5

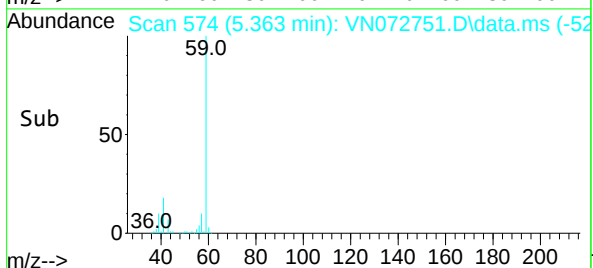
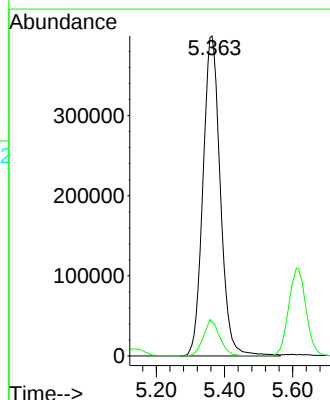
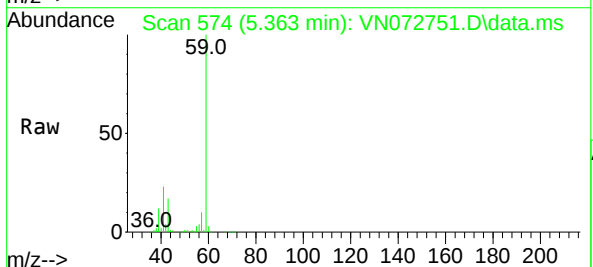
Manual Integrations
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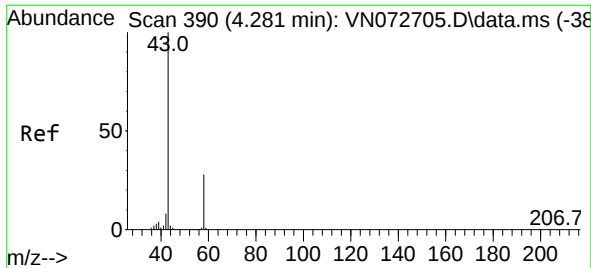
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#11
Tert butyl alcohol
Concen: 1160.092 ug/l
RT: 5.363 min Scan# 574
Delta R.T. 0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24

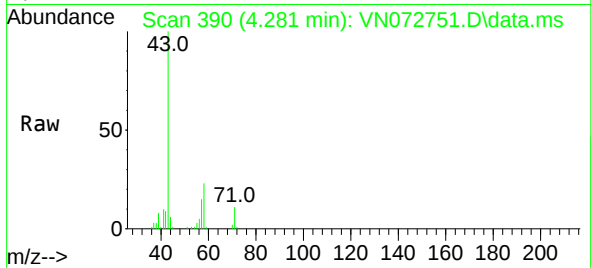
Tgt Ion: 59 Resp: 1413923
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5





#16
Acetone
Concen: 37.209 ug/l
RT: 4.281 min Scan# 390
Delta R.T. -0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24

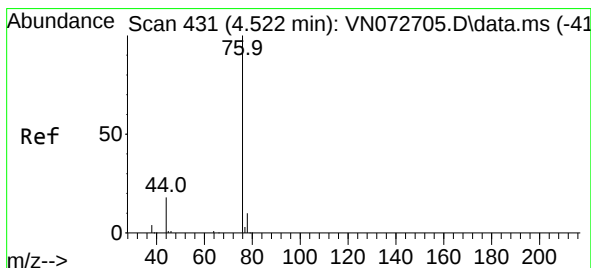
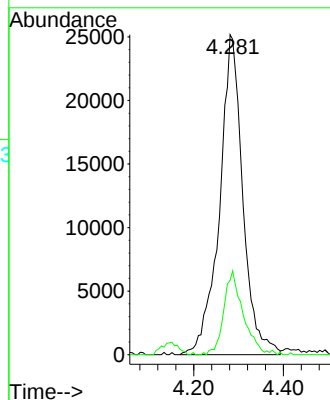
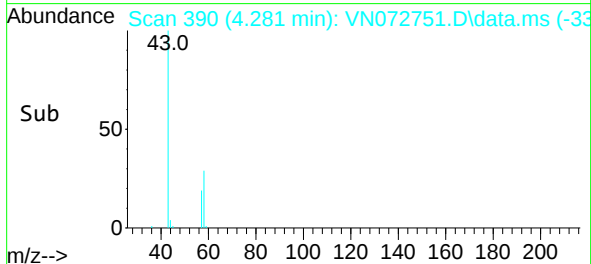
Instrument :
MSVOA_N
ClientSampleId :
MW-15



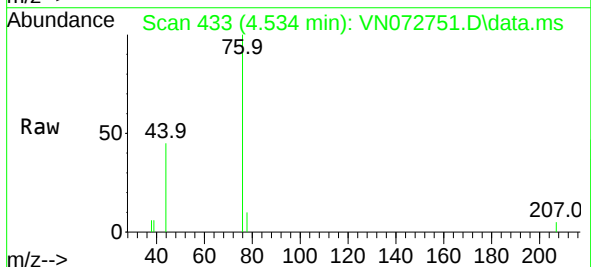
Tgt Ion: 43 Resp: 9109
Ion Ratio Lower Upper
43 100
58 22.5 26.0 39.0

Manual Integrations
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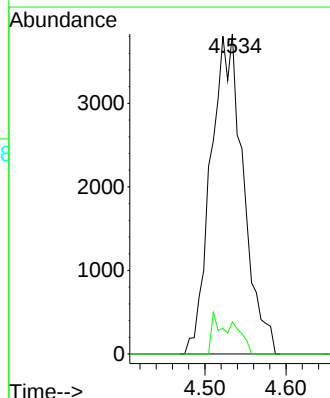
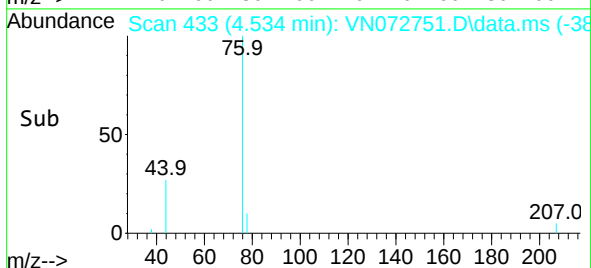
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

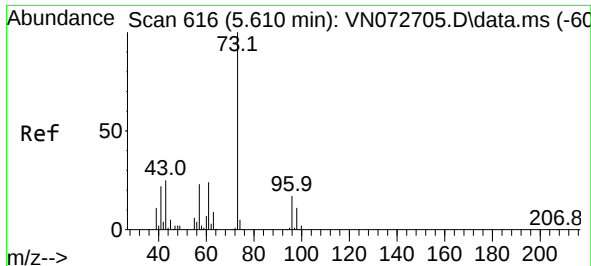


#17
Carbon Disulfide
Concen: 1.956 ug/l
RT: 4.534 min Scan# 433
Delta R.T. 0.012 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24



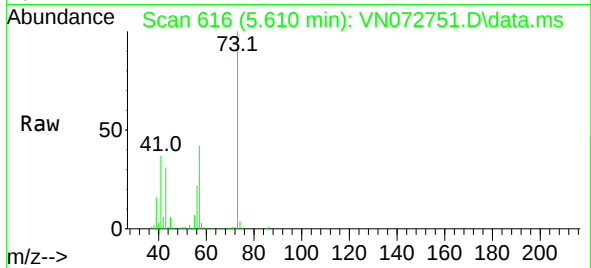
Tgt Ion: 76 Resp: 10669
Ion Ratio Lower Upper
76 100
78 10.0 7.2 10.8





#19
Methyl tert-butyl Ether
Concen: 75.363 ug/l
RT: 5.610 min Scan# 616
Delta R.T. 0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24

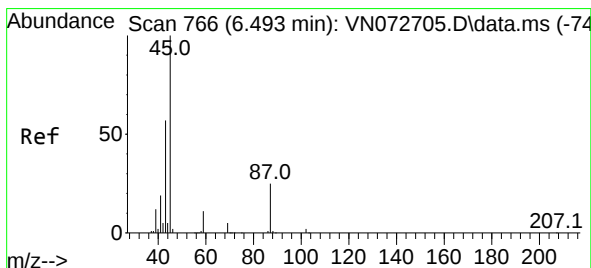
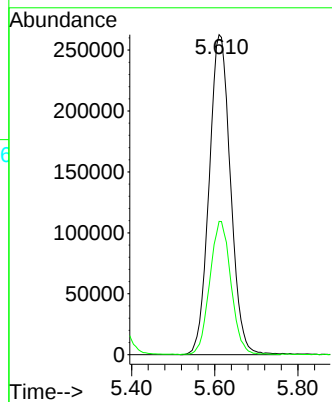
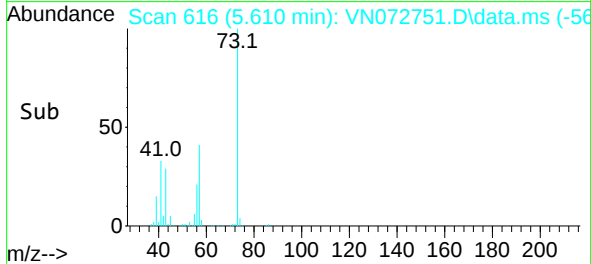
Instrument :
MSVOA_N
ClientSampleId :
MW-15



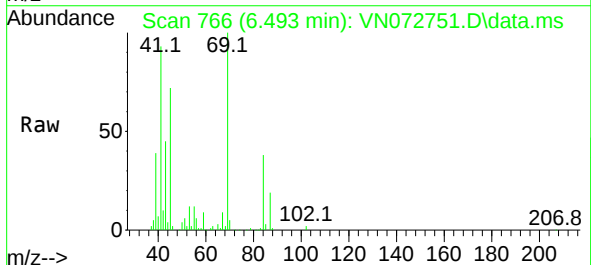
Tgt Ion: 73 Resp: 93632
Ion Ratio Lower Upper
73 100
57 41.6 17.6 26.4

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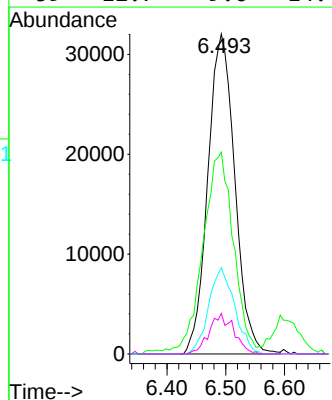
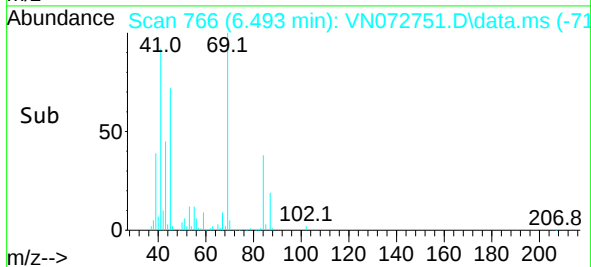
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

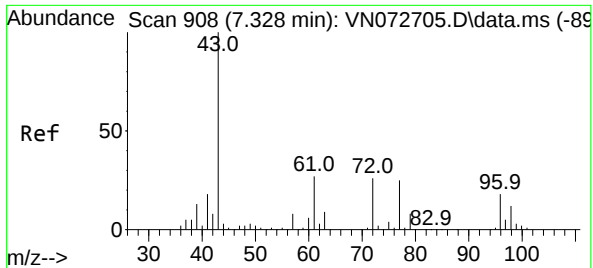


#22
Diisopropyl ether
Concen: 7.951 ug/l
RT: 6.493 min Scan# 766
Delta R.T. -0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24



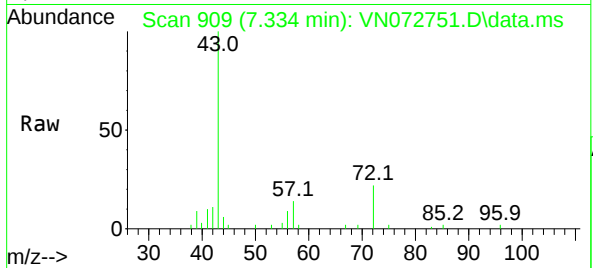
Tgt Ion: 45 Resp: 102200
Ion Ratio Lower Upper
45 100
43 60.4 46.6 70.0
87 26.9 24.3 36.5
59 12.7 9.6 14.4





#25
2-Butanone
Concen: 8.304 ug/l
RT: 7.334 min Scan# 908
Delta R.T. 0.006 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24

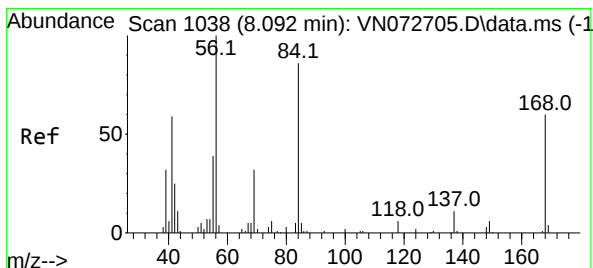
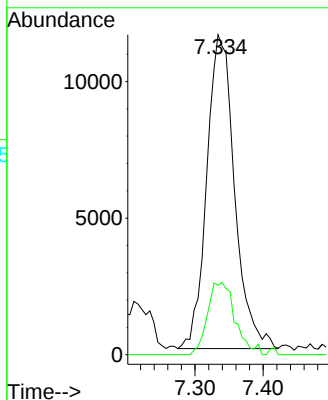
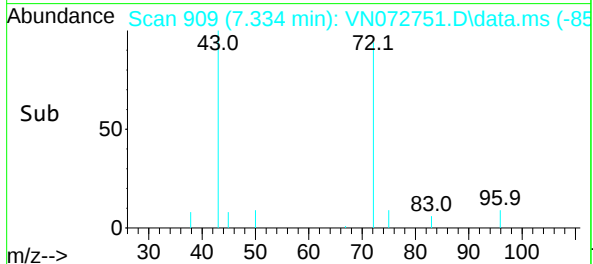
Instrument :
MSVOA_N
ClientSampleId :
MW-15



Tgt Ion: 43 Resp: 32704
Ion Ratio Lower Upper
43 100
72 22.1 23.7 35.5

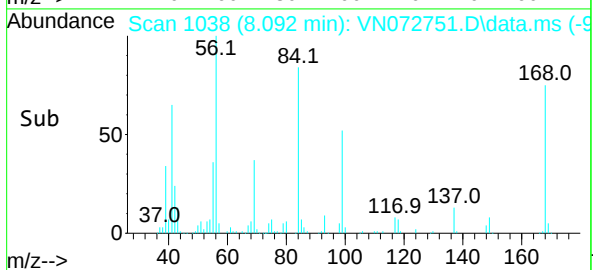
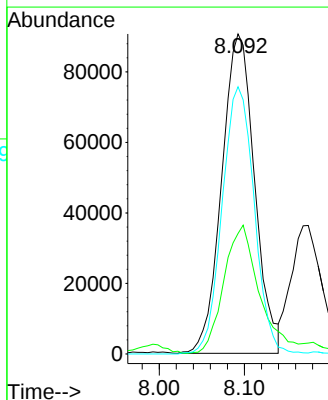
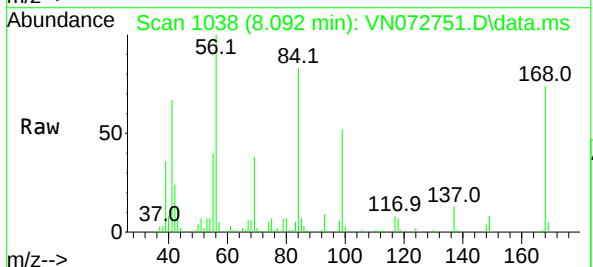
Manual Integrations
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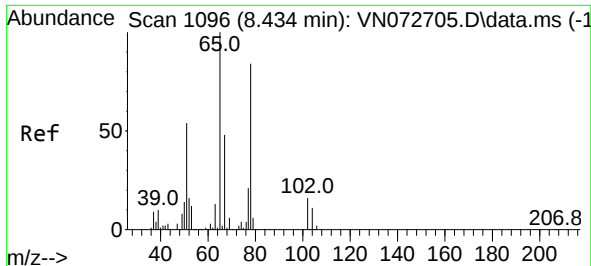
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#31
Cyclohexane
Concen: 44.826 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24

Tgt Ion: 56 Resp: 242872
Ion Ratio Lower Upper
56 100
69 36.9 27.8 41.8
84 83.6 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 53.261 ug/l

RT: 8.434 min Scan# 1096

Delta R.T. -0.000 min

Lab File: VN072751.D

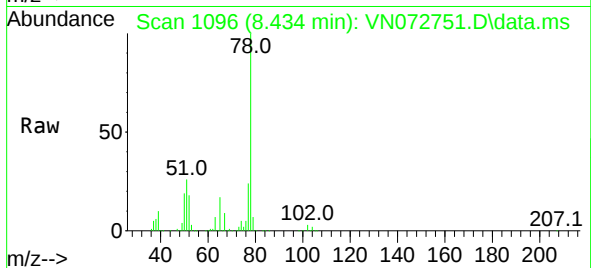
Acq: 10 Jun 2022 00:24

Instrument :

MSVOA_N

ClientSampleId :

MW-15



Tgt Ion: 65 Resp: 27212

Ion Ratio Lower Upper

65 100

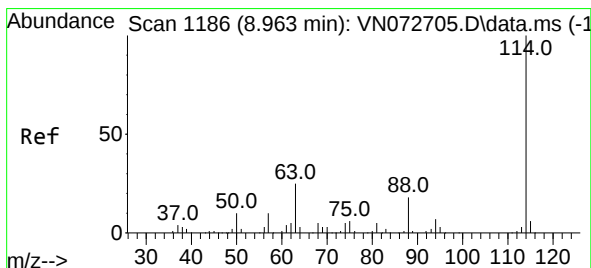
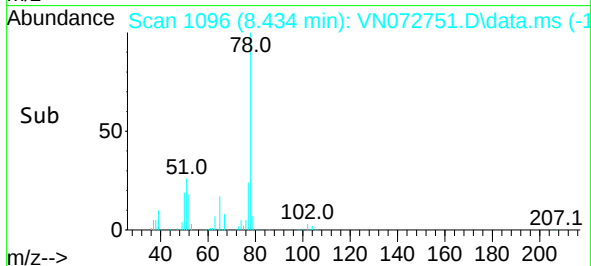
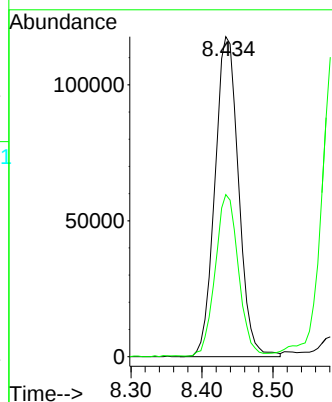
67 49.5 0.0 104.8

Manual Integrations

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Supervised By :Mahesh Dadoda 06/10/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. -0.000 min

Lab File: VN072751.D

Acq: 10 Jun 2022 00:24

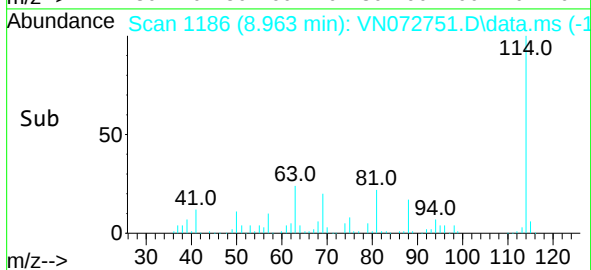
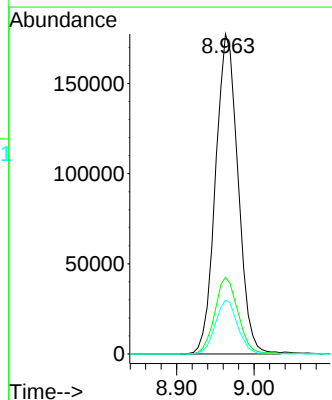
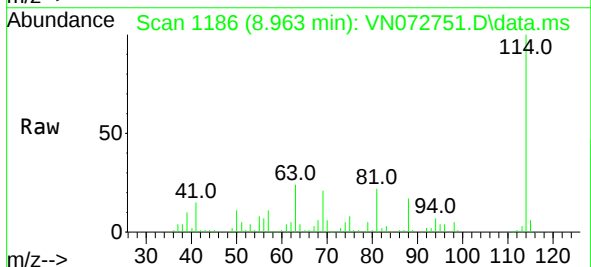
Tgt Ion:114 Resp: 358105

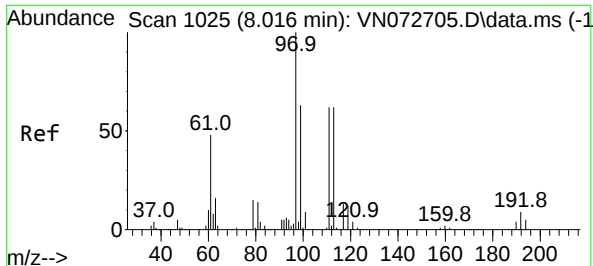
Ion Ratio Lower Upper

114 100

63 24.0 0.0 40.0

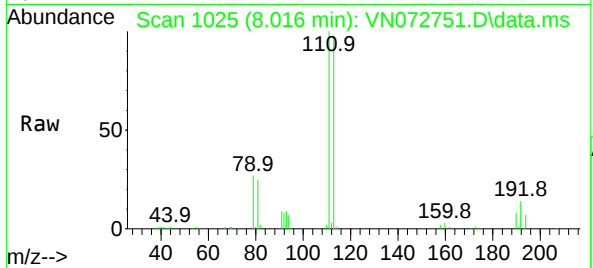
88 16.8 0.0 32.6





#35
Dibromofluoromethane
Concen: 55.171 ug/l
RT: 8.016 min Scan# 1025
Delta R.T. -0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24

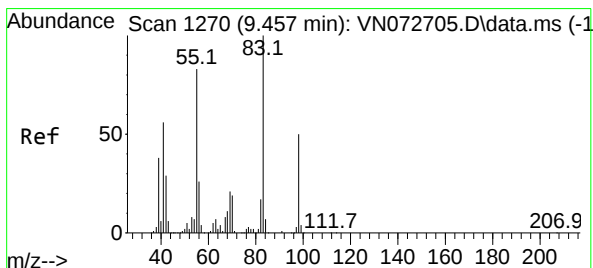
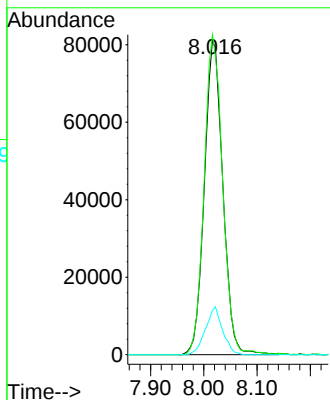
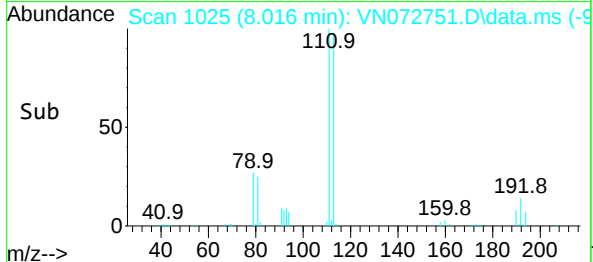
Instrument :
MSVOA_N
ClientSampleId :
MW-15



Tgt Ion: 113 Resp: 19549
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 14.1 17.0 25.6

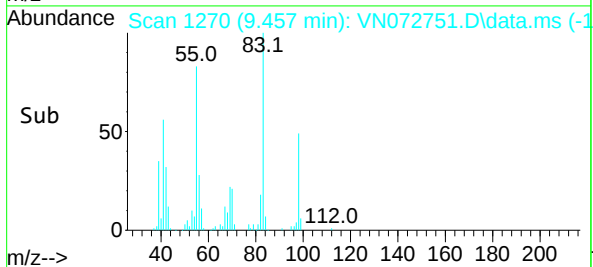
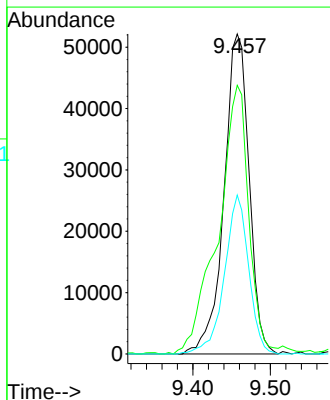
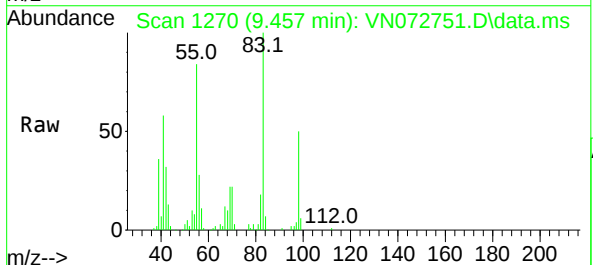
Manual Integrations
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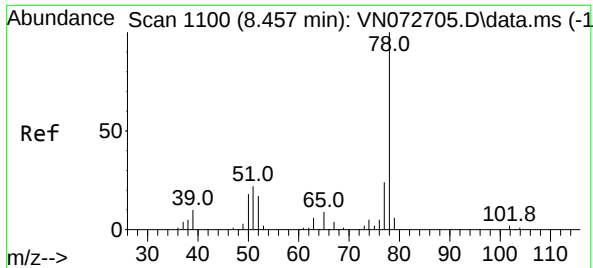
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#39
Methylcyclohexane
Concen: 20.598 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24

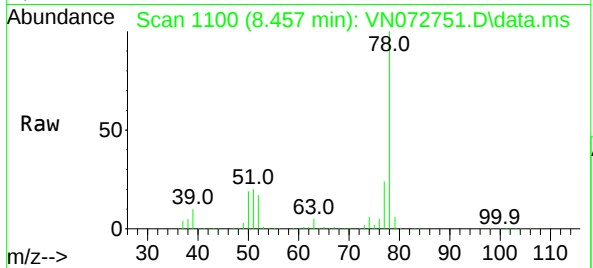
Tgt Ion: 83 Resp: 117565
Ion Ratio Lower Upper
83 100
55 82.7 57.8 86.8
98 49.6 39.4 59.2





#40
Benzene
Concen: 397.749 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24

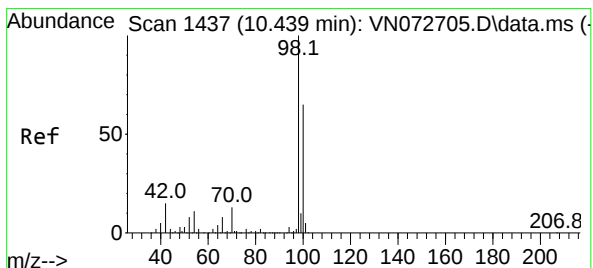
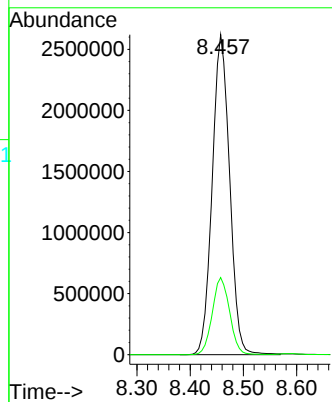
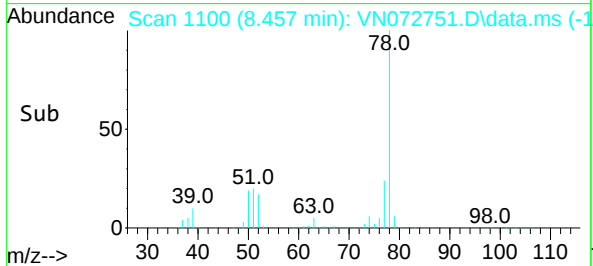
Instrument :
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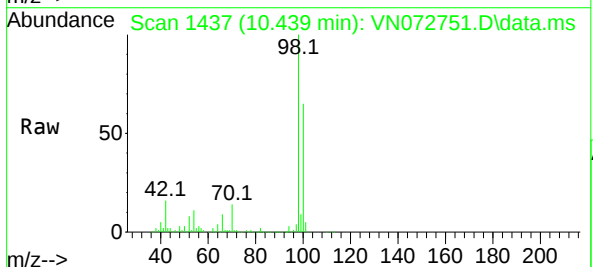
Tgt Ion: 78 Resp: 5936619
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0

Manual Integrations
APPROVED

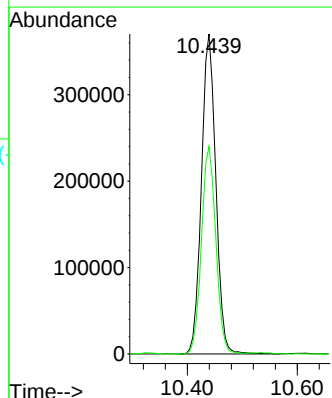
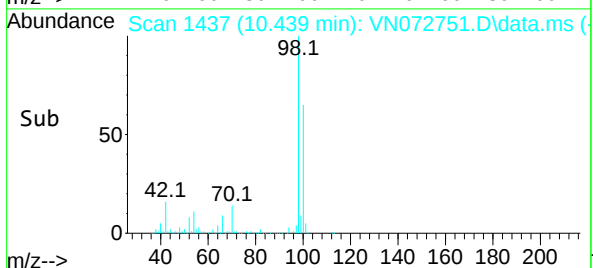
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

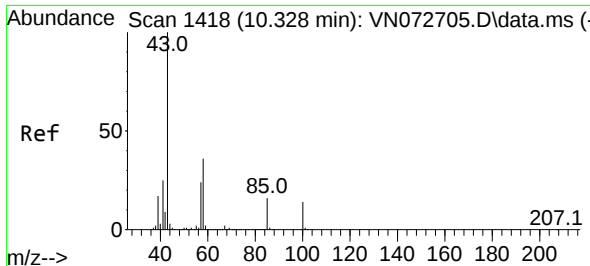


#50
Toluene-d8
Concen: 47.530 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24



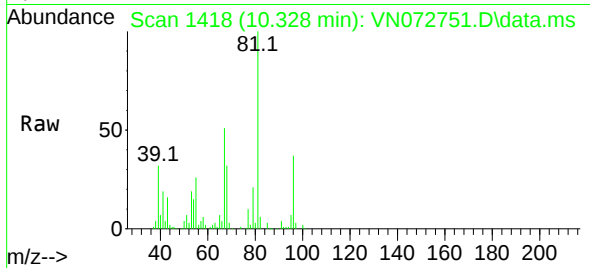
Tgt Ion: 98 Resp: 671956
Ion Ratio Lower Upper
98 100
100 65.0 52.6 78.8





#51
4-Methyl-2-Pentanone
Concen: 2.685 ug/l
RT: 10.328 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24

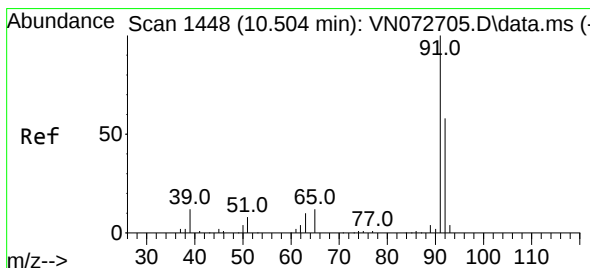
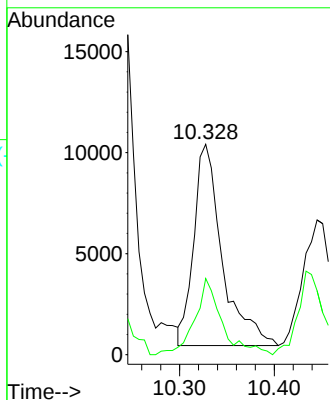
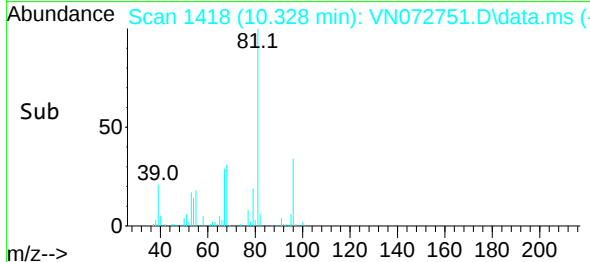
Instrument :
MSVOA_N
ClientSampleId :
MW-15



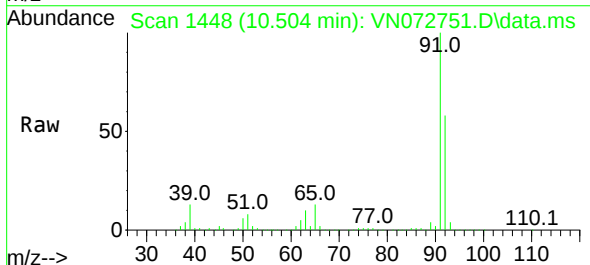
Tgt Ion: 43 Resp: 20809
Ion Ratio Lower Upper
43 100
58 35.9 34.1 51.1

Manual Integrations
APPROVED

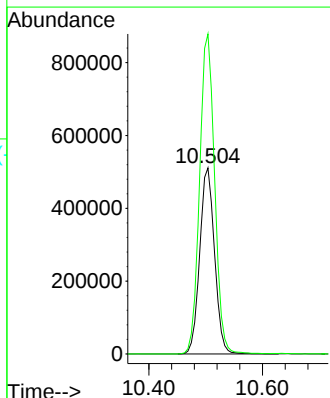
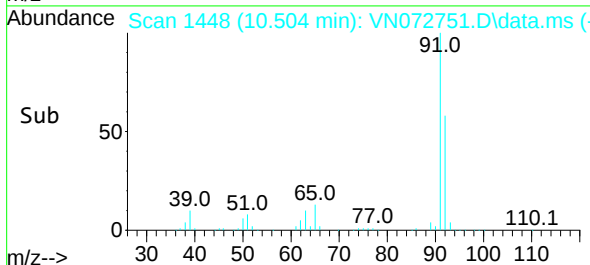
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

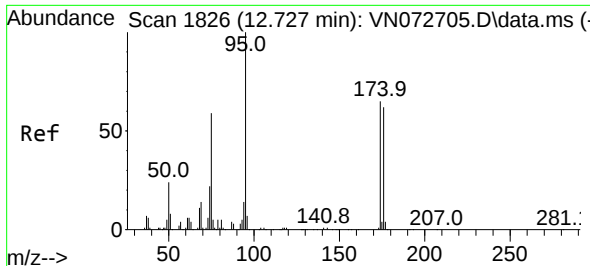


#52
Toluene
Concen: 99.220 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24



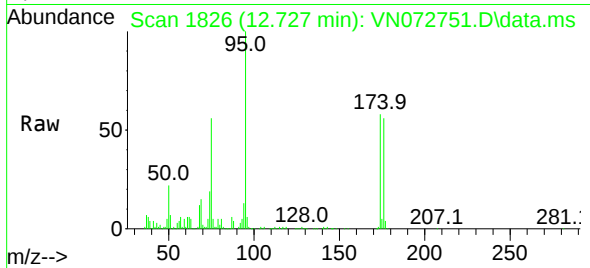
Tgt Ion: 92 Resp: 924624
Ion Ratio Lower Upper
92 100
91 174.5 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 58.587 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24

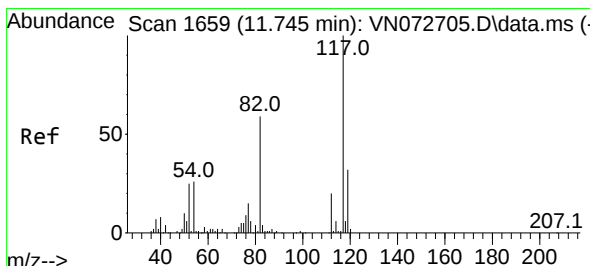
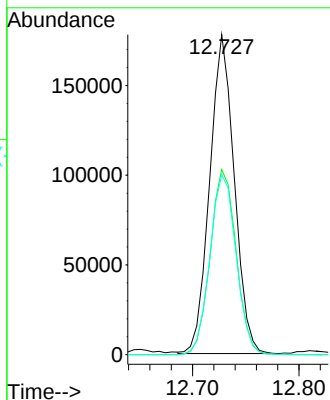
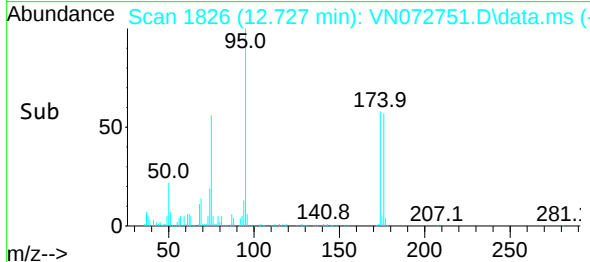
Instrument :
MSVOA_N
ClientSampleId :
MW-15



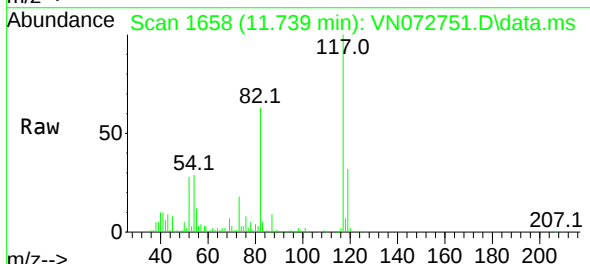
Tgt Ion: 95 Resp: 284210
Ion Ratio Lower Upper
95 100
174 61.3 0.0 167.6
176 60.3 0.0 163.4

Manual Integrations
APPROVED

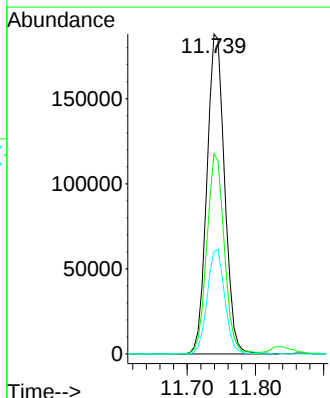
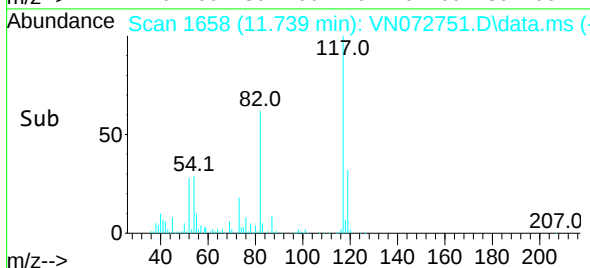
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

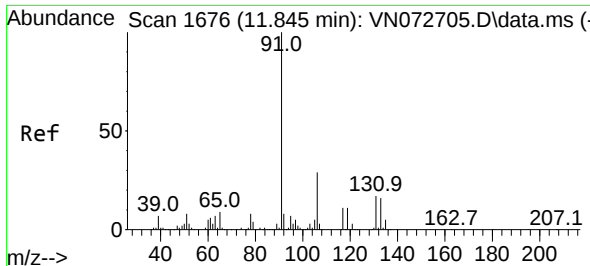


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.006 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24



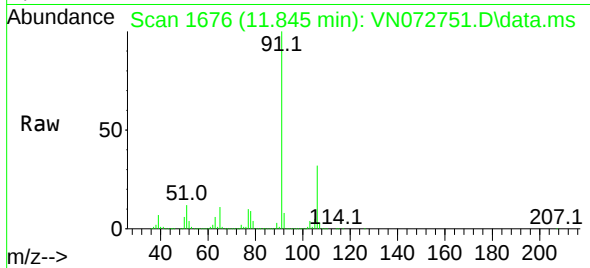
Tgt Ion:117 Resp: 339515
Ion Ratio Lower Upper
117 100
82 62.5 44.2 66.2
119 32.0 25.4 38.0





#67
Ethyl Benzene
Concen: 843.443 ug/l
RT: 11.845 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24

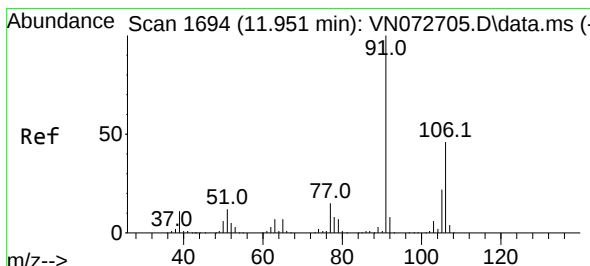
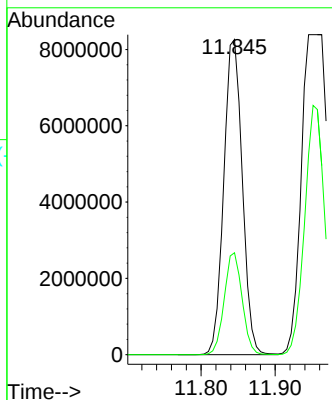
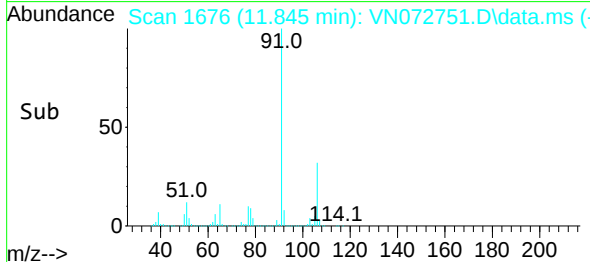
Instrument :
MSVOA_N
ClientSampleId :
MW-15



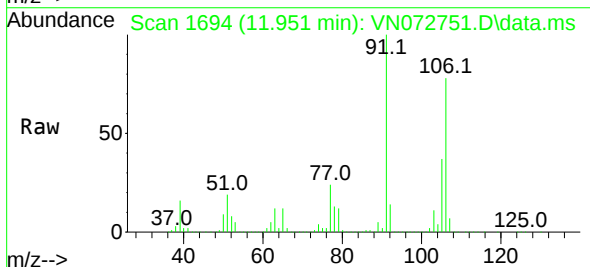
Tgt Ion: 91 Resp:14348000
Ion Ratio Lower Upper
91 100
106 32.4 24.9 37.3

Manual Integrations
APPROVED

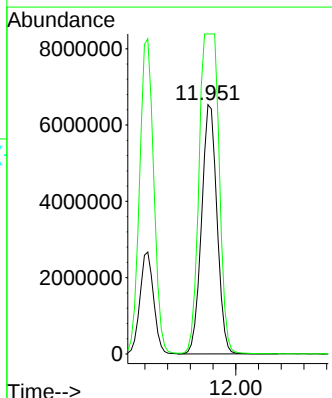
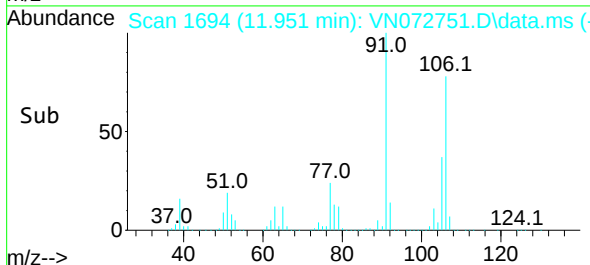
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

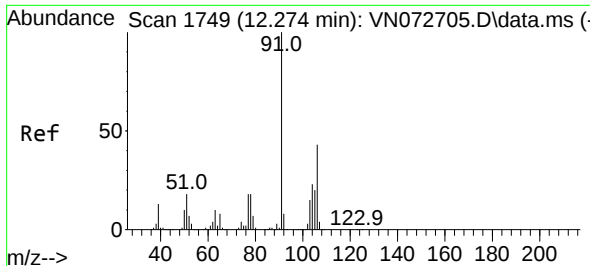


#68
m/p-Xylenes
Concen: 2029.902 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24



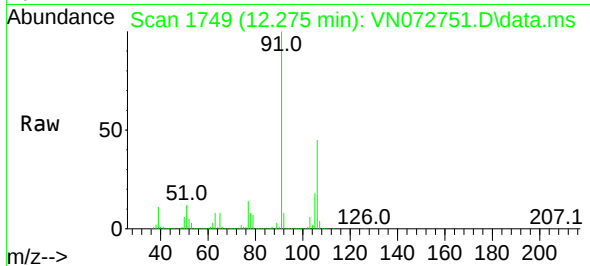
Tgt Ion:106 Resp:12271527
Ion Ratio Lower Upper
106 100
91 166.4 158.9 238.3





#69
o-Xylene
Concen: 307.073 ug/l
RT: 12.275 min Scan# 1749
Delta R.T. 0.001 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24

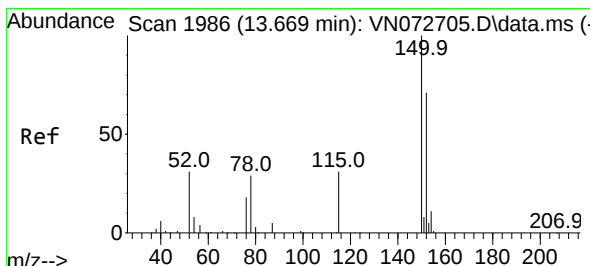
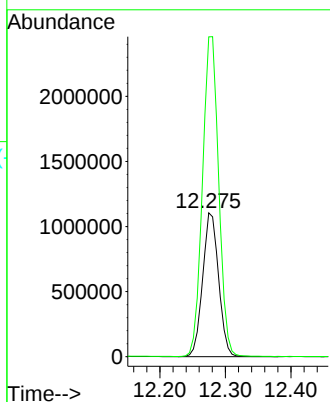
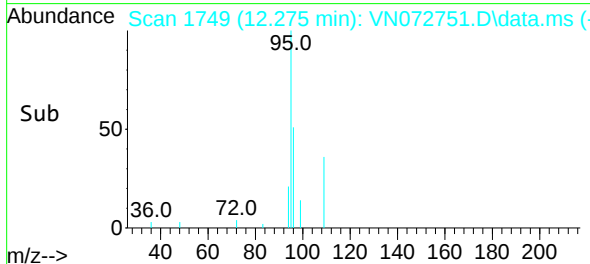
Instrument :
MSVOA_N
ClientSampleId :
MW-15



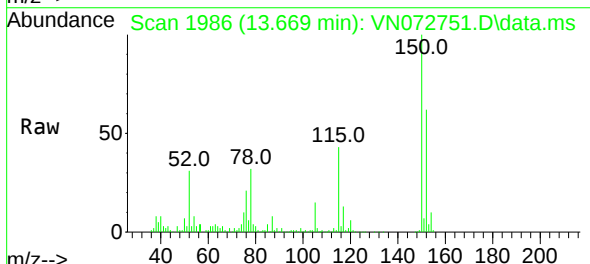
Tgt Ion:106 Resp: 186606
Ion Ratio Lower Upper
106 100
91 226.9 106.0 318.0

Manual Integrations
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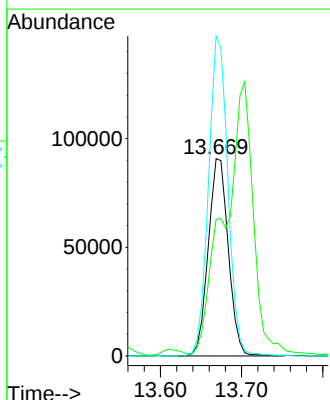
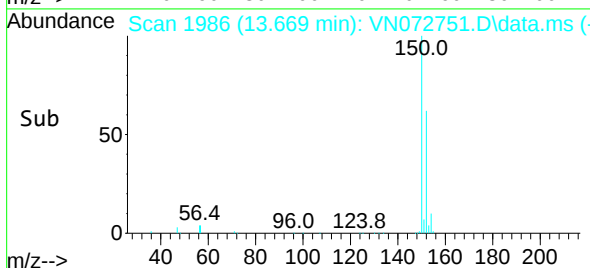
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

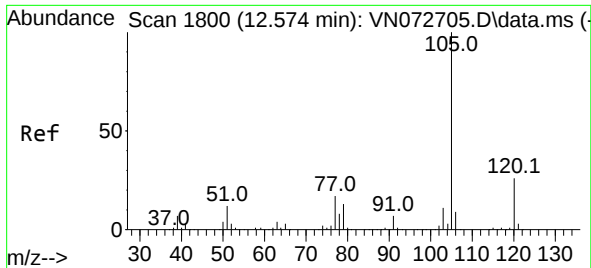


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.669 min Scan# 1986
Delta R.T. -0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24



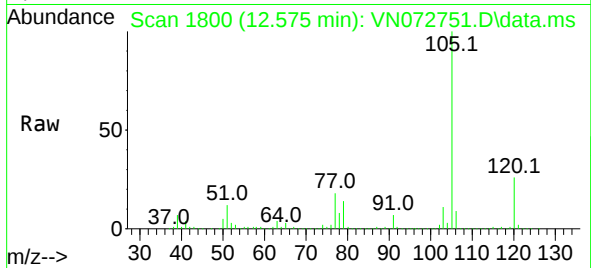
Tgt Ion:152 Resp: 155763
Ion Ratio Lower Upper
152 100
115 0.0 28.9 86.7#
150 156.8 0.0 356.2





#73
Isopropylbenzene
Concen: 73.230 ug/l
RT: 12.575 min Scan# 1800
Delta R.T. 0.001 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24

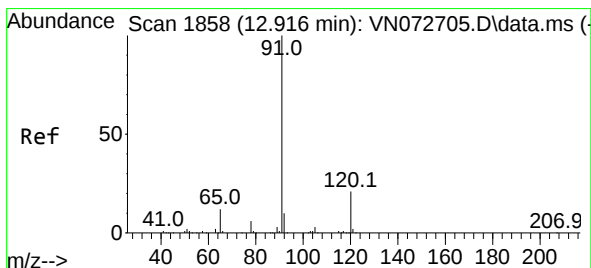
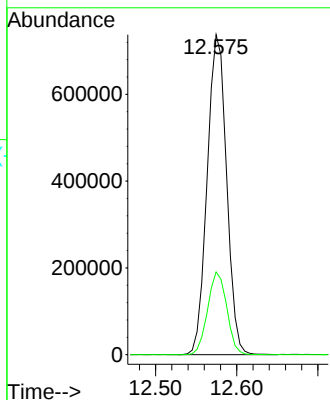
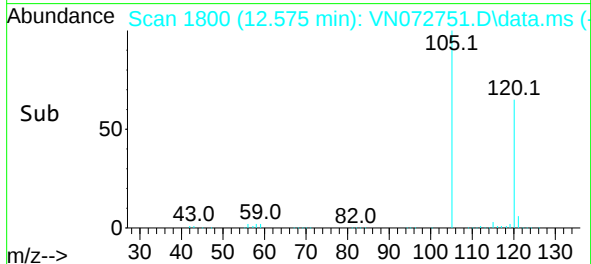
Instrument :
MSVOA_N
ClientSampleId :
MW-15



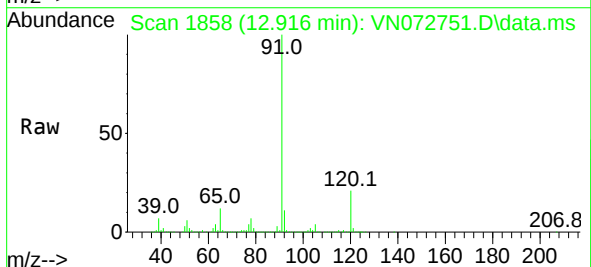
Tgt Ion: 105 Resp: 122351
Ion Ratio Lower Upper
105 100
120 25.4 13.5 40.4

Manual Integrations
APPROVED

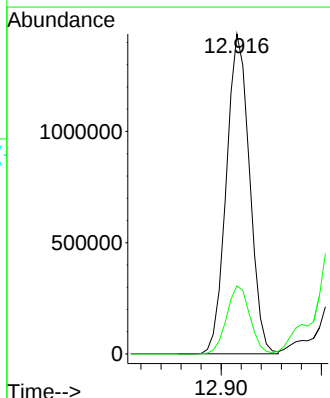
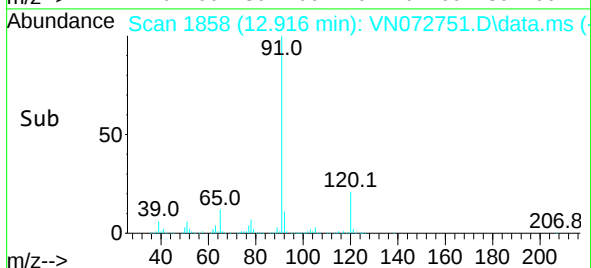
Reviewed By : John Carlone 06/10/2022
Supervised By : Mahesh Dadoda 06/10/2022

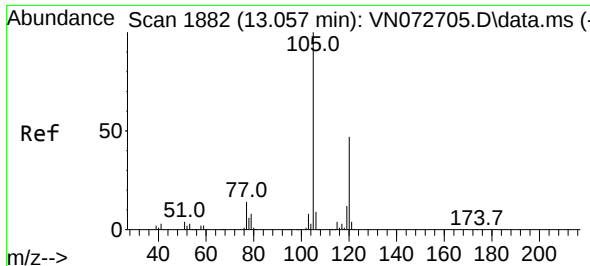


#78
n-propylbenzene
Concen: 126.477 ug/l
RT: 12.916 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24



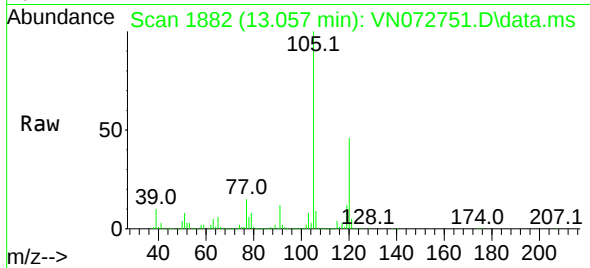
Tgt Ion: 91 Resp: 2307245
Ion Ratio Lower Upper
91 100
120 21.4 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 235.517 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24

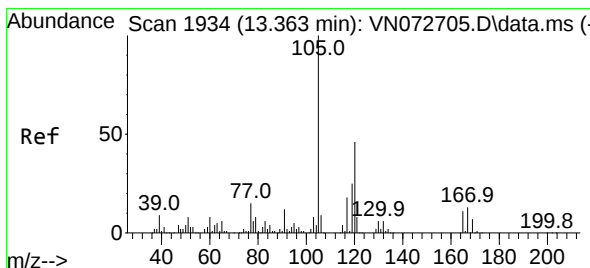
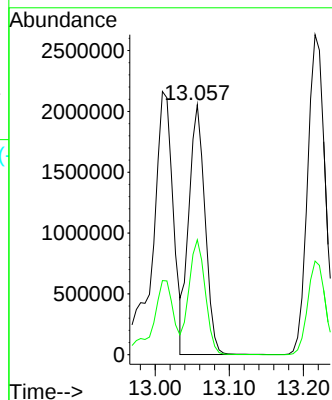
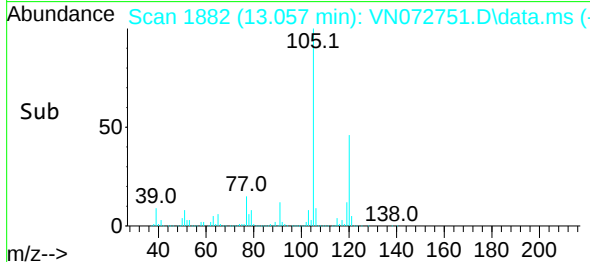
Instrument :
MSVOA_N
ClientSampleId :
MW-15



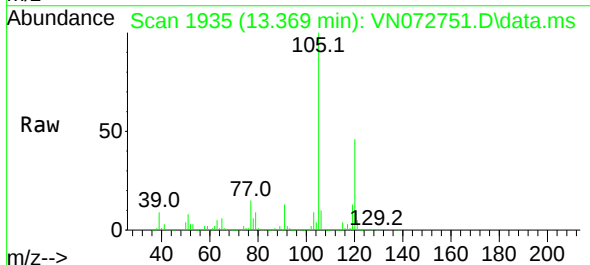
Tgt Ion:105 Resp: 311791
Ion Ratio Lower Upper
105 100
120 46.6 24.9 74.7

Manual Integrations
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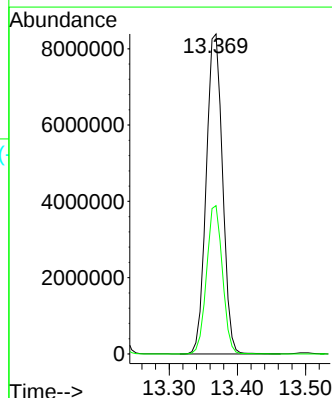
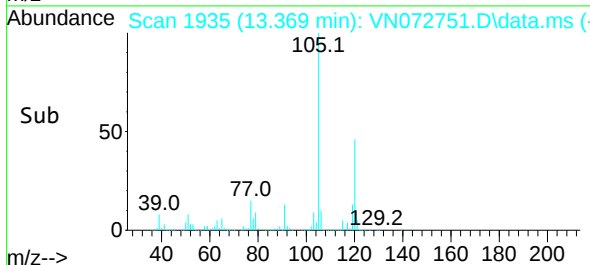
Reviewed By :John Carlone 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022

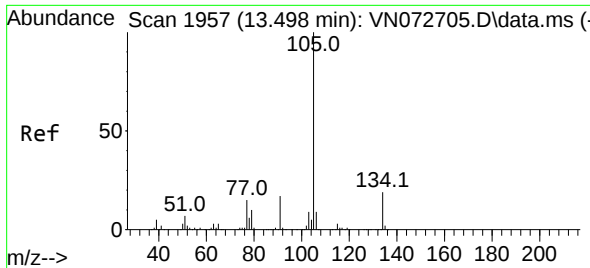


#84
1,2,4-Trimethylbenzene
Concen: 1099.272 ug/l
RT: 13.369 min Scan# 1935
Delta R.T. 0.006 min
Lab File: VN072751.D
Acq: 10 Jun 2022 00:24



Tgt Ion:105 Resp:13924370
Ion Ratio Lower Upper
105 100
120 45.2 23.3 69.8





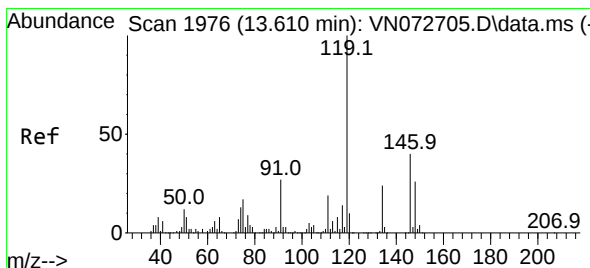
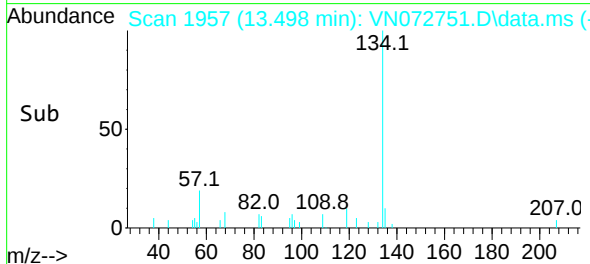
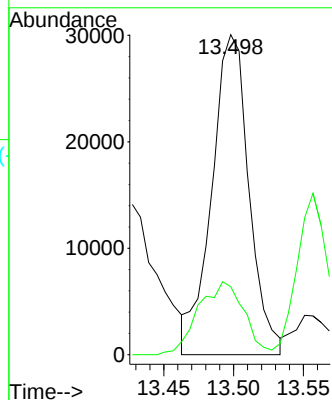
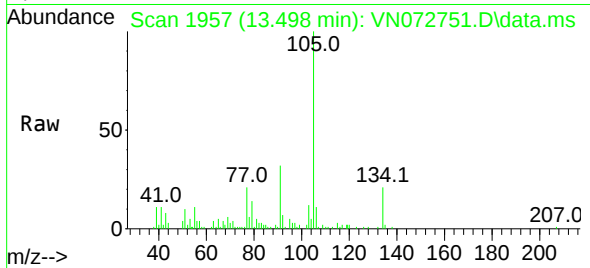
#85
 sec-Butylbenzene
 Concen: 3.558 ug/l m
 RT: 13.498 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VN072751.D
 Acq: 10 Jun 2022 00:24

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-15

Tgt Ion:105 Resp: 5581
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1

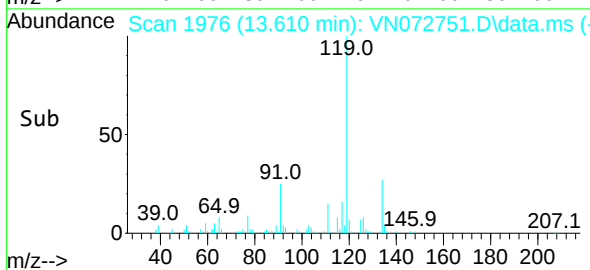
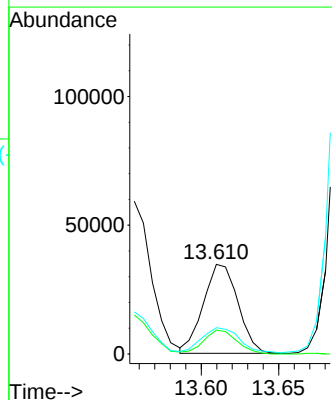
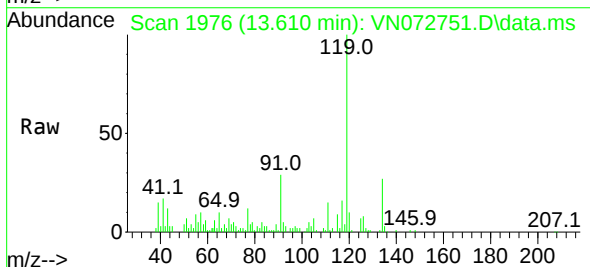
Manual Integrations
 APPROVED

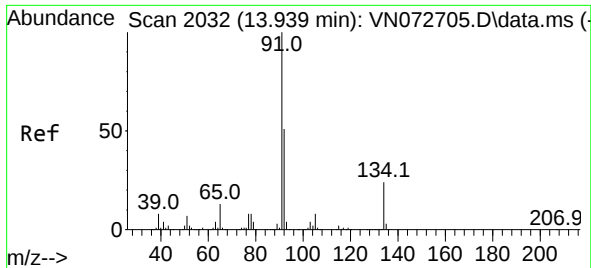
Reviewed By :John Carlone 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022



#86
 p-Isopropyltoluene
 Concen: 4.339 ug/l
 RT: 13.610 min Scan# 1976
 Delta R.T. -0.000 min
 Lab File: VN072751.D
 Acq: 10 Jun 2022 00:24

Tgt Ion:119 Resp: 53556
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.3 39.8
 91 0.0 11.3 33.9





#89

n-Butylbenzene

Concen: 4.251 ug/l m

RT: 13.939 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VN072751.D

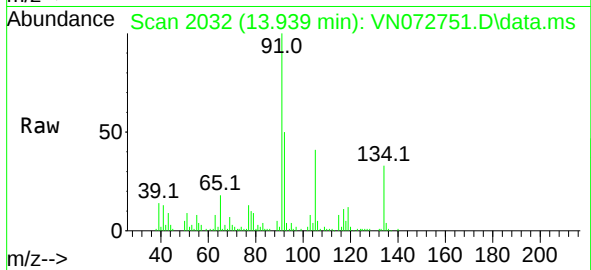
Acq: 10 Jun 2022 00:24

Instrument :

MSVOA_N

ClientSampleId :

MW-15



Tgt Ion:	91	Resp:	44199
Ion	Ratio	Lower	Upper
91	100		
92	203.7	26.9	80.7
134	0.0	13.6	40.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022

