

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010322\
 Data File : VN070441.D
 Acq On : 3 Jan 2022 16:52
 Operator : JC/MD
 Sample : M5251-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6D

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/04/2022
 Supervised By : Mahesh Dadoda 01/04/2022

Quant Time: Jan 04 01:35:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

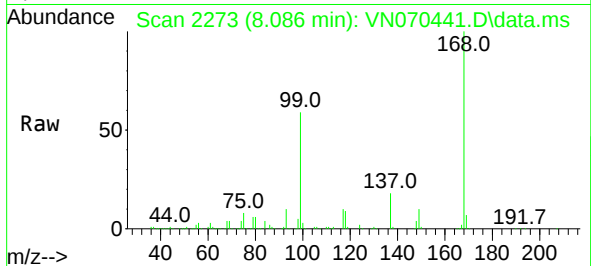
Internal Standards						
1) Pentafluorobenzene	8.086	168	967828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1644516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1435872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	487041	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	703173	50.532	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.060%			
35) Dibromofluoromethane	8.024	113	478065	48.046	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.100%			
50) Toluene-d8	10.441	98	1916981	47.161	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 94.320%			
62) 4-Bromofluorobenzene	12.731	95	597574	40.704	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 81.400%			
Target Compounds						
9) 1,1,2-Trichlorotrifluo...	4.221	101	4917m	0.491	ug/l	
11) Tert butyl alcohol	5.377	59	25769	11.122	ug/l #	71
12) 1,1-Dichloroethene	4.184	96	4109	0.417	ug/l #	84
16) Acetone	4.296	43	20142m	2.230	ug/l	
19) Methyl tert-butyl Ether	5.618	73	255215	6.972	ug/l #	57
22) Diisopropyl ether	6.498	45	19629	0.451	ug/l #	85
30) Chloroform	7.820	83	10617	0.488	ug/l #	74
40) Benzene	8.459	78	88476	1.753	ug/l	97
44) Trichloroethene	9.215	130	19807	1.652	ug/l	92
64) Tetrachloroethene	10.974	164	2754	0.265	ug/l #	90
67) Ethyl Benzene	11.843	91	29594	0.530	ug/l	93
68) m/p-Xylenes	11.953	106	44184	2.175	ug/l	98
69) o-Xylene	12.280	106	4853	0.240	ug/l	87
78) n-propylbenzene	12.919	91	11773	0.235	ug/l	98
80) 1,3,5-Trimethylbenzene	13.058	105	10538	0.291	ug/l	92
84) 1,2,4-Trimethylbenzene	13.367	105	63061	1.807	ug/l	100

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52

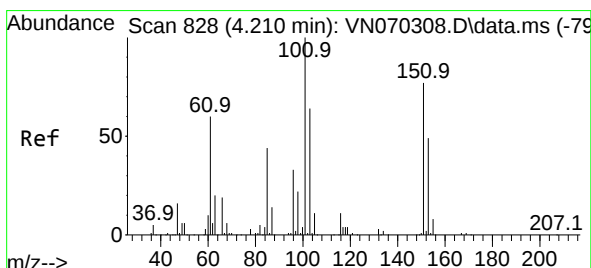
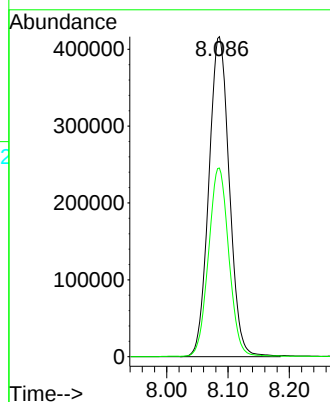
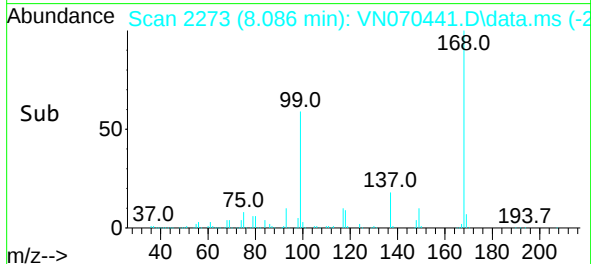
Instrument :
MSVOA_N
ClientSampleId :
MW-6D



Tgt Ion:168 Resp: 967828
Ion Ratio Lower Upper
168 100
99 58.8 41.3 61.9

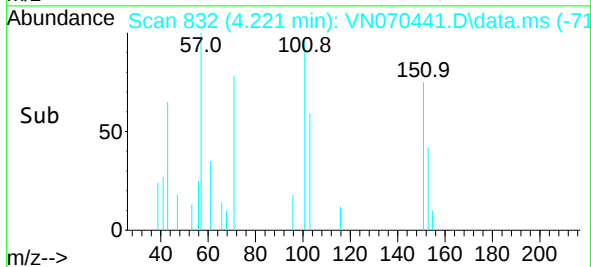
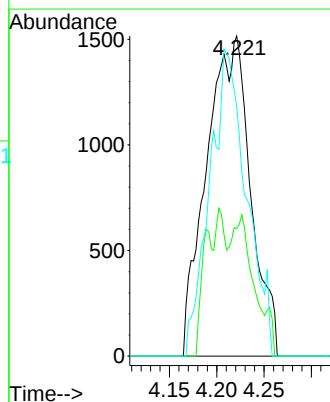
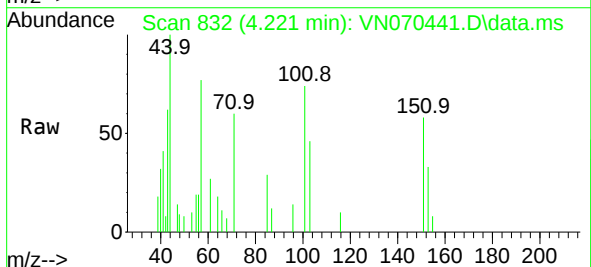
Manual Integrations
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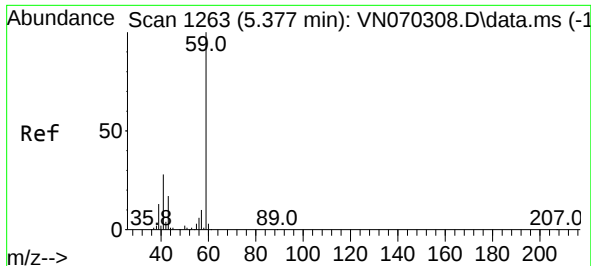
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.491 ug/l m
RT: 4.221 min Scan# 832
Delta R.T. 0.011 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52

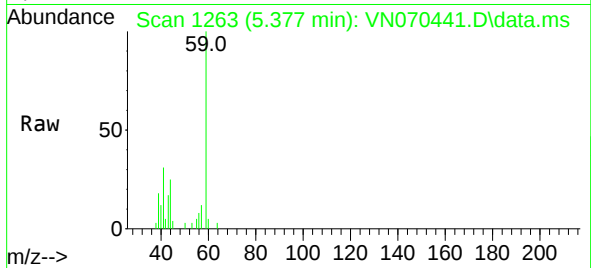
Tgt Ion:101 Resp: 4917
Ion Ratio Lower Upper
101 100
85 3.4 37.2 55.8#
151 80.0 65.9 98.9





#11
Tert butyl alcohol
Concen: 11.122 ug/l
RT: 5.377 min Scan# 1263
Delta R.T. -0.000 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52

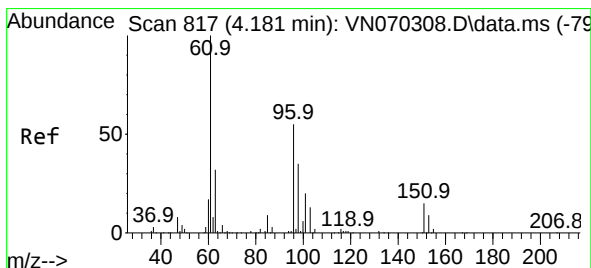
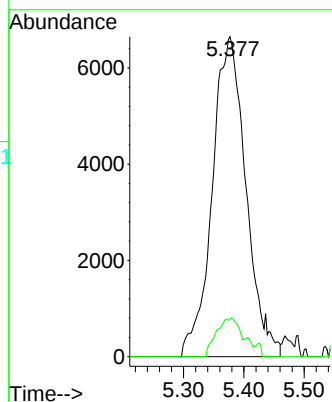
Instrument :
MSVOA_N
ClientSampleId :
MW-6D



Tgt Ion: 59 Resp: 25769
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1

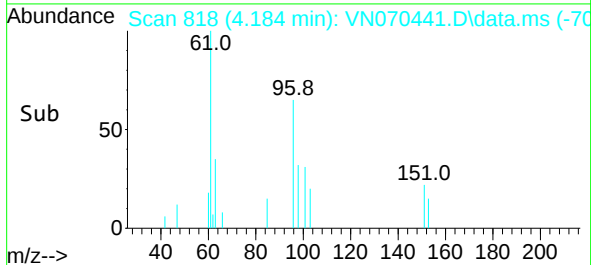
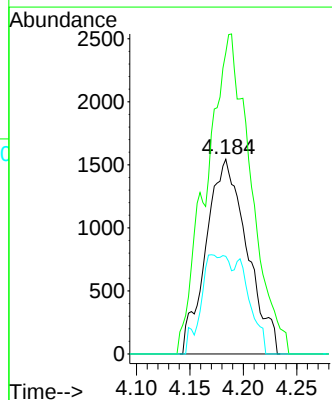
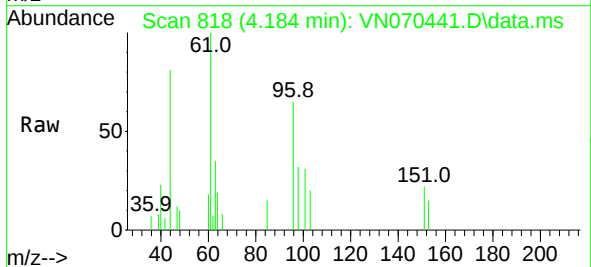
Manual Integrations
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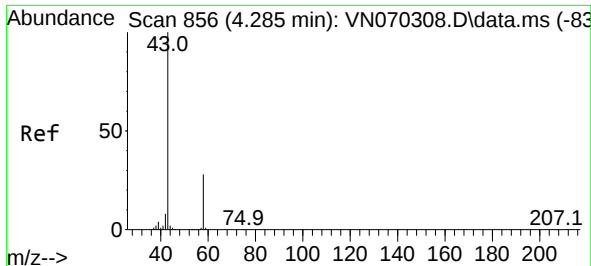
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#12
1,1-Dichloroethene
Concen: 0.417 ug/l
RT: 4.184 min Scan# 818
Delta R.T. 0.003 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52

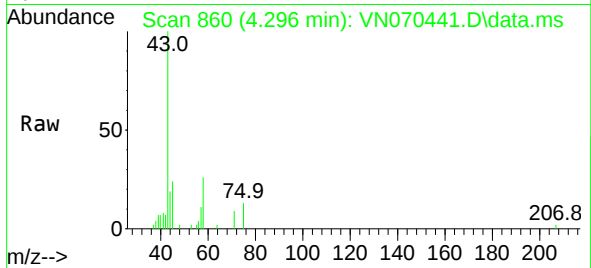
Tgt Ion: 96 Resp: 4109
Ion Ratio Lower Upper
96 100
61 143.5 131.0 196.6
98 50.1 52.4 78.6





#16
Acetone
Concen: 2.230 ug/l m
RT: 4.296 min Scan# 856
Delta R.T. 0.011 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52

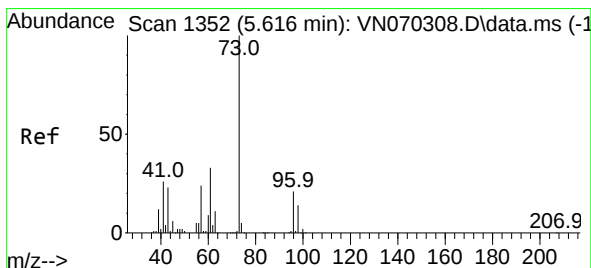
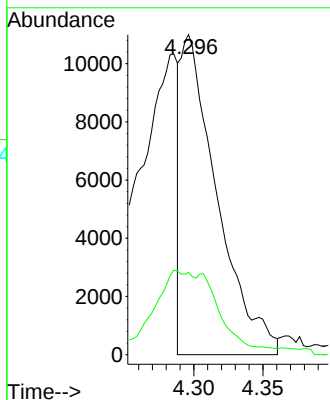
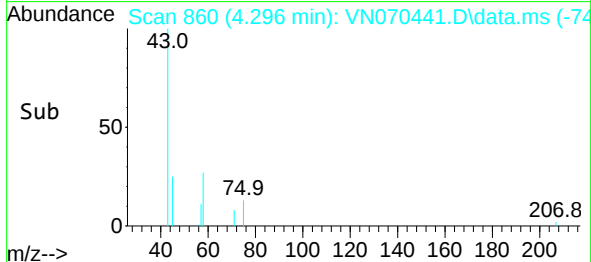
Instrument :
MSVOA_N
ClientSampleId :
MW-6D



Tgt Ion: 43 Resp: 2014
Ion Ratio Lower Upper
43 100
58 25.7 23.1 34.7

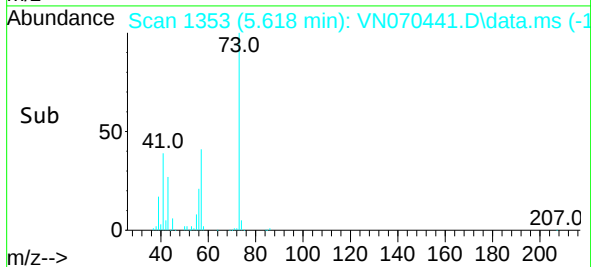
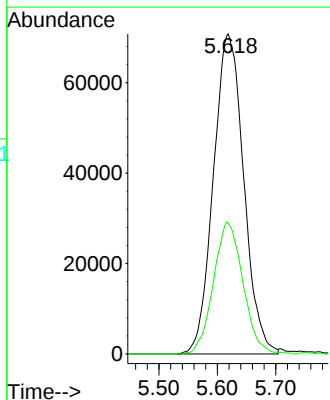
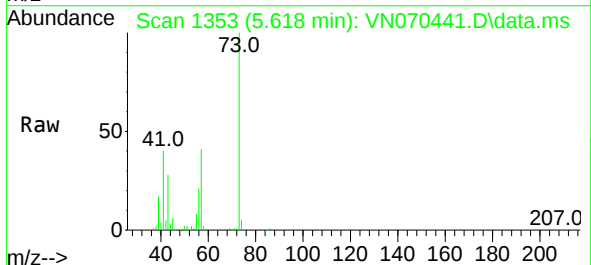
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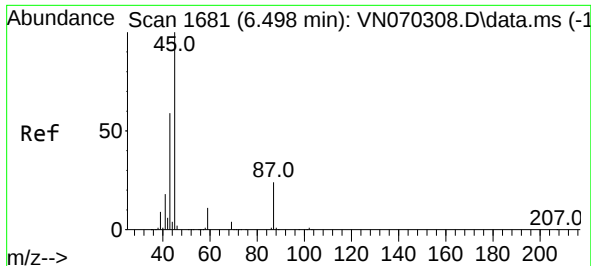
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#19
Methyl tert-butyl Ether
Concen: 6.972 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.002 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52

Tgt Ion: 73 Resp: 255215
Ion Ratio Lower Upper
73 100
57 41.0 16.8 25.2#





#22

Diisopropyl ether

Concen: 0.451 ug/l

RT: 6.498 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN070441.D

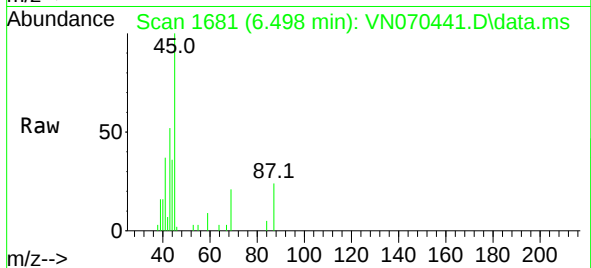
Acq: 3 Jan 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

MW-6D



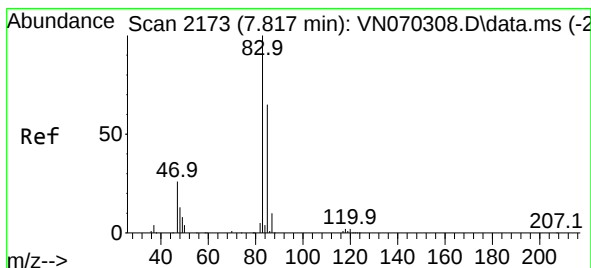
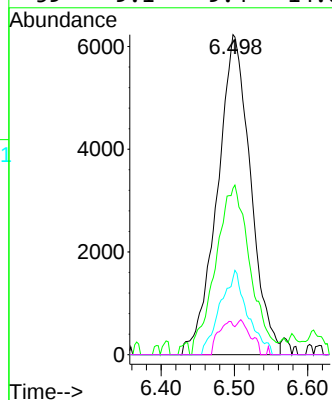
Tgt Ion:	45	Ratio	100	Lower	Upper
43	49.4	51.7	77.5		
87	23.9	23.2	34.8		
59	9.1	9.4	14.0		

Manual Integrations

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Reviewed By :John Carlone 01/04/2022

Supervised By :Mahesh Dadoda 01/04/2022



#30

Chloroform

Concen: 0.488 ug/l

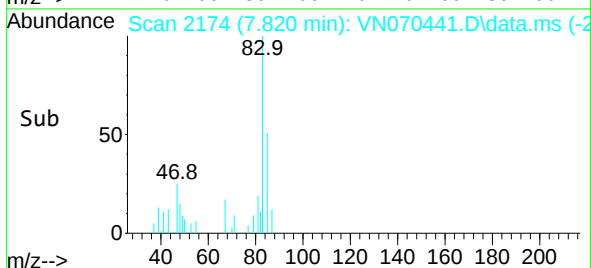
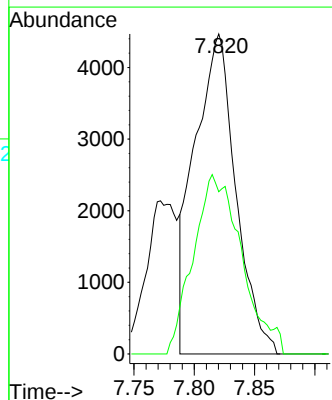
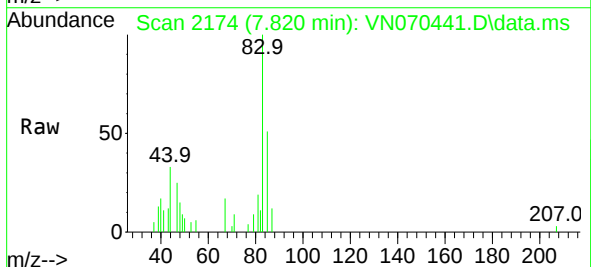
RT: 7.820 min Scan# 2174

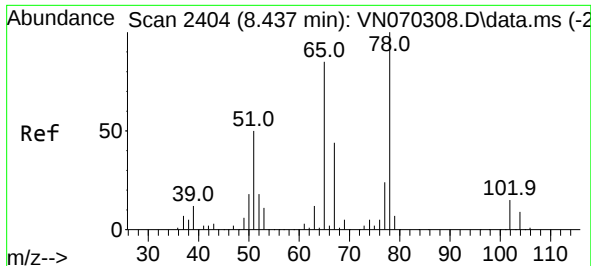
Delta R.T. 0.003 min

Lab File: VN070441.D

Acq: 3 Jan 2022 16:52

Tgt Ion:	83	Ratio	100	Lower	Upper
83	100				
85	44.4	51.9	77.9		





#33

1,2-Dichloroethane-d4

Concen: 50.532 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

Lab File: VN070441.D

Acq: 3 Jan 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

MW-6D

Tgt Ion: 65 Resp: 70317

Ion Ratio Lower Upper

65 100

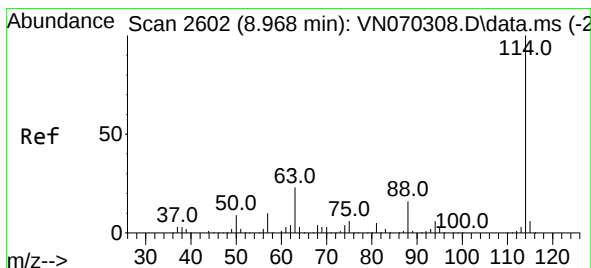
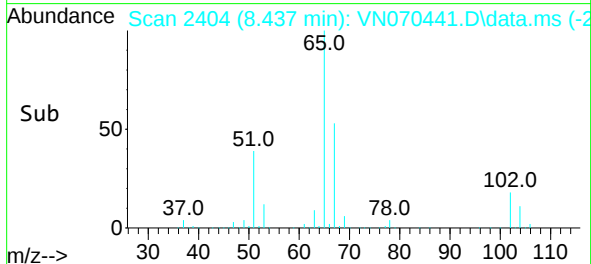
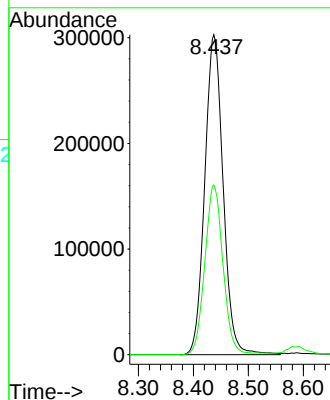
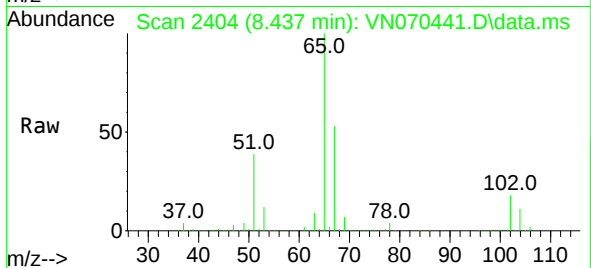
67 52.3 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/04/2022

Supervised By :Mahesh Dadoda 01/04/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070441.D

Acq: 3 Jan 2022 16:52

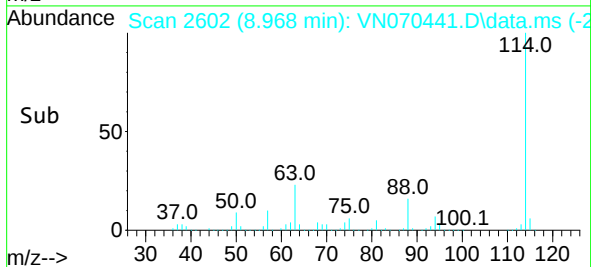
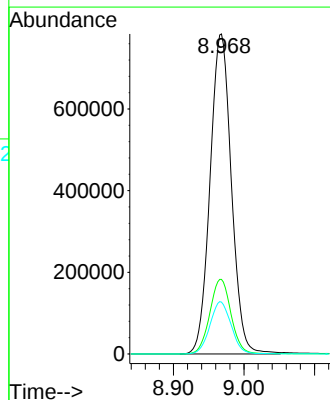
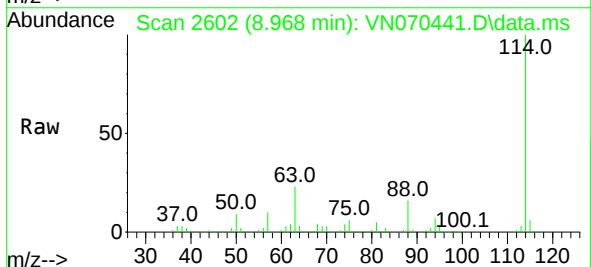
Tgt Ion:114 Resp: 1644516

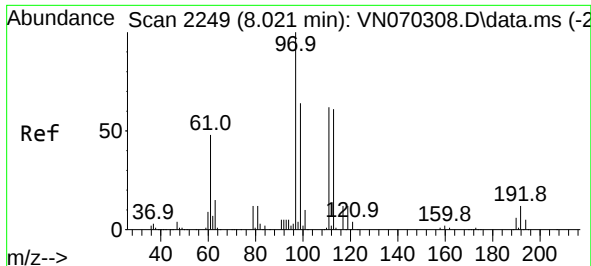
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

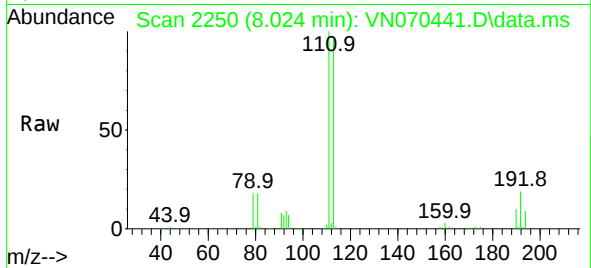
88 16.2 0.0 27.4





#35
Dibromofluoromethane
Concen: 48.046 ug/l
RT: 8.024 min Scan# 211
Delta R.T. 0.003 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52

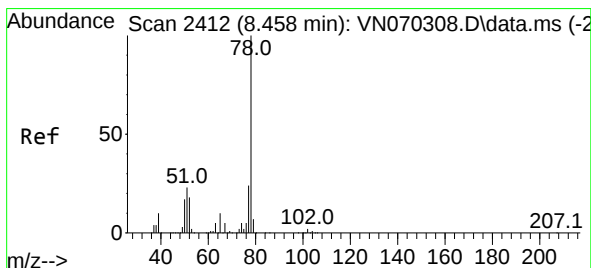
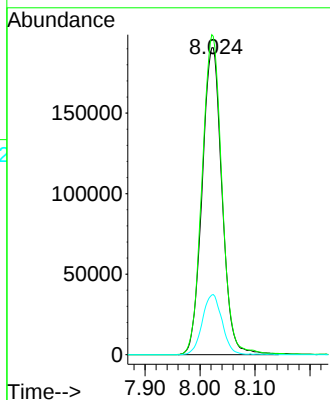
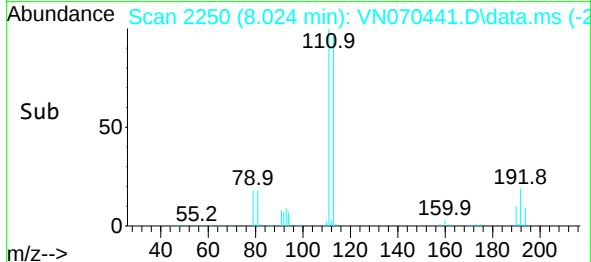
Instrument :
MSVOA_N
ClientSampleId :
MW-6D



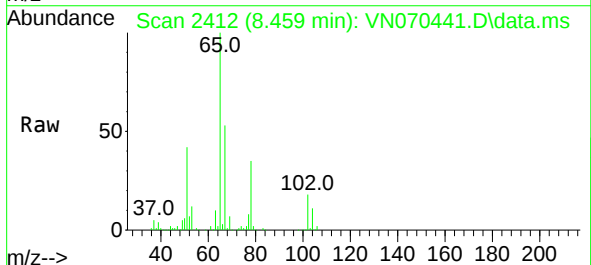
Tgt Ion:113 Resp: 47806
Ion Ratio Lower Upper
113 100
111 104.1 82.2 123.2
192 19.5 16.9 25.3

Manual Integrations
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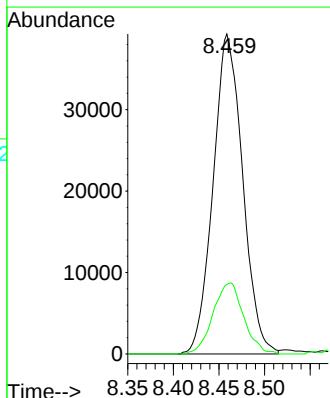
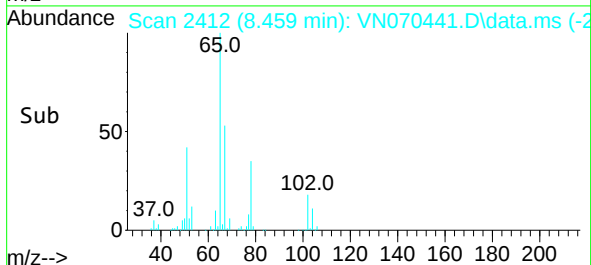
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

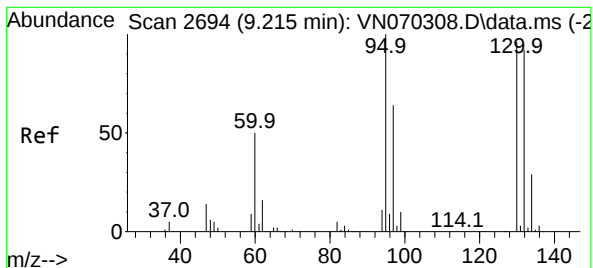


#40
Benzene
Concen: 1.753 ug/l
RT: 8.459 min Scan# 2412
Delta R.T. 0.001 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52



Tgt Ion: 78 Resp: 88476
Ion Ratio Lower Upper
78 100
77 21.8 18.6 27.8





#44

Trichloroethene

Concen: 1.652 ug/l

RT: 9.215 min Scan# 2

Delta R.T. -0.000 min

Lab File: VN070441.D

Acq: 3 Jan 2022 16:52

Instrument :

MSVOA_N

ClientSampleId :

MW-6D

Tgt Ion:130 Resp: 1980

Ion Ratio Lower Upper

130 100

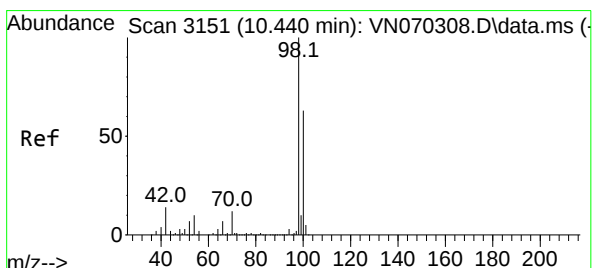
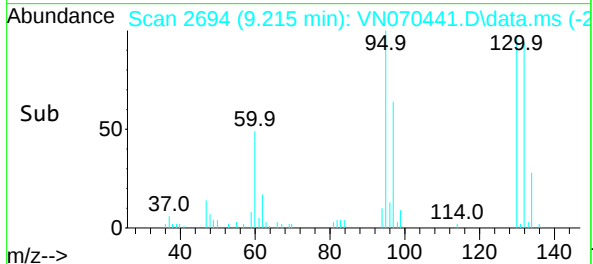
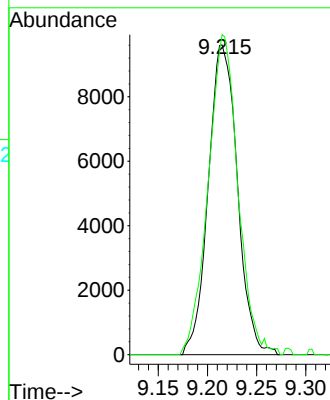
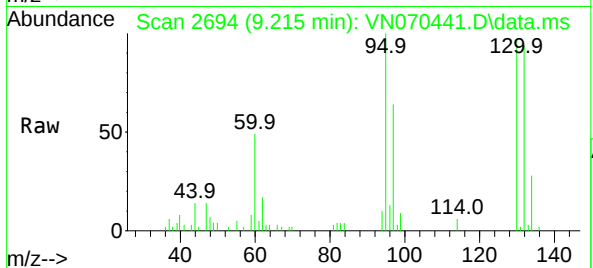
95 103.3 0.0 191.2

Manual Integrations

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Reviewed By :John Carlone 01/04/2022

Supervised By :Mahesh Dadoda 01/04/2022



#50

Toluene-d8

Concen: 47.161 ug/l

RT: 10.441 min Scan# 3151

Delta R.T. 0.001 min

Lab File: VN070441.D

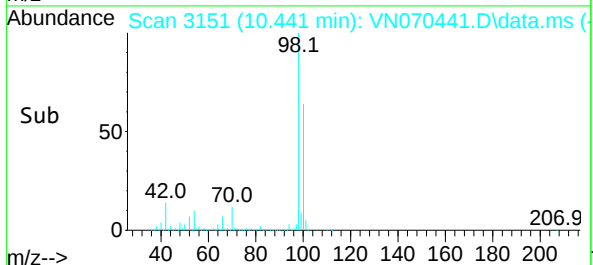
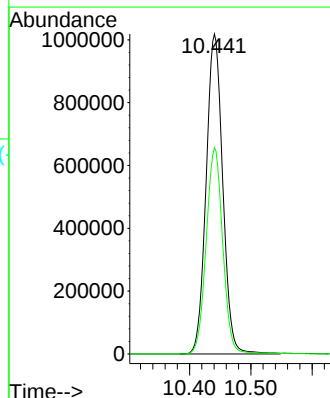
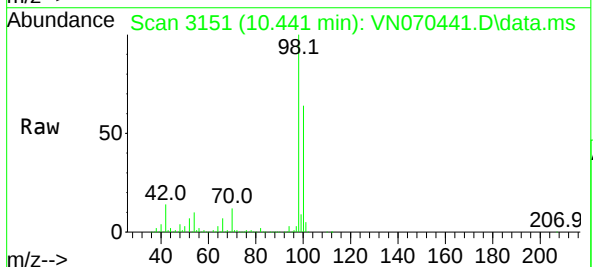
Acq: 3 Jan 2022 16:52

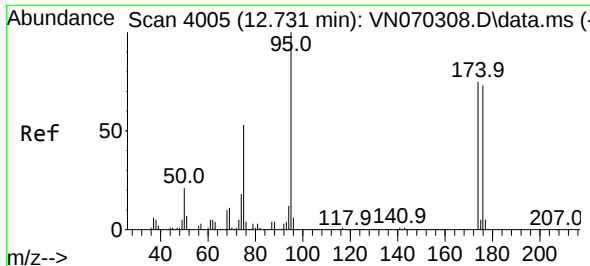
Tgt Ion: 98 Resp: 1916981

Ion Ratio Lower Upper

98 100

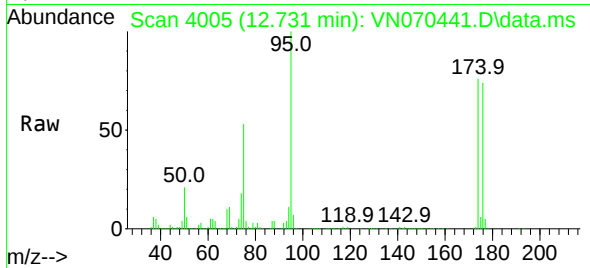
100 64.2 50.4 75.6





#62
4-Bromofluorobenzene
Concen: 40.704 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52

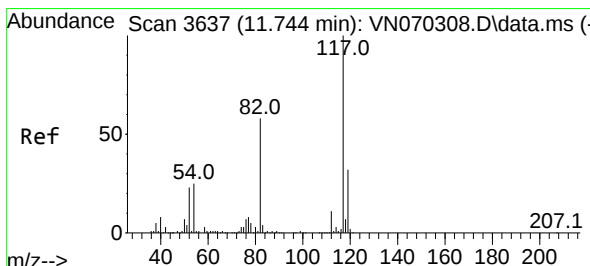
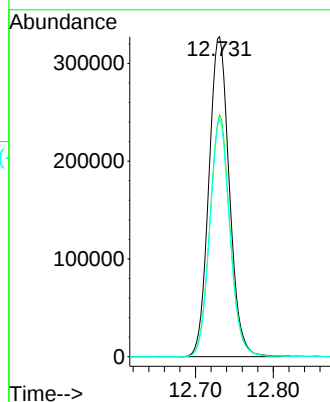
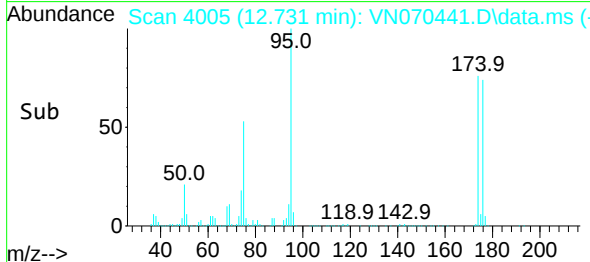
Instrument :
MSVOA_N
ClientSampleId :
MW-6D



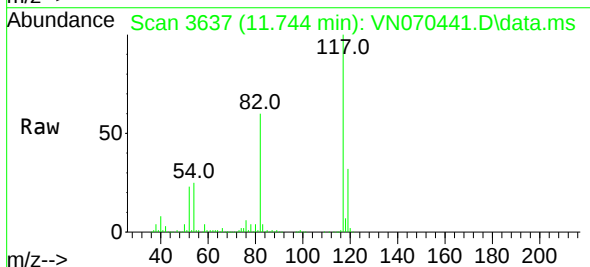
Tgt Ion: 95 Resp: 597574
Ion Ratio Lower Upper
95 100
174 74.5 0.0 187.2
176 72.7 0.0 181.4

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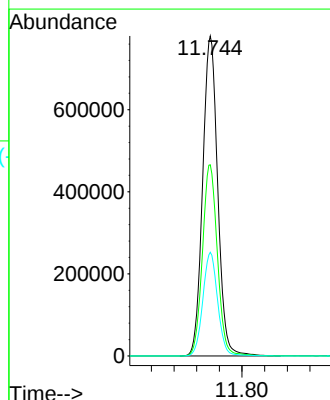
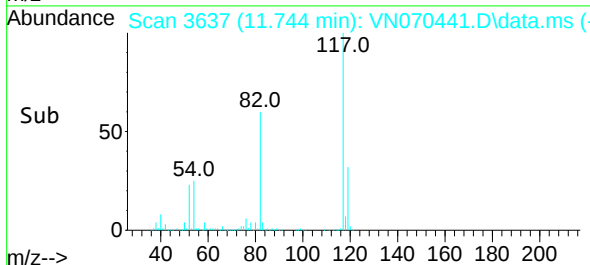
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

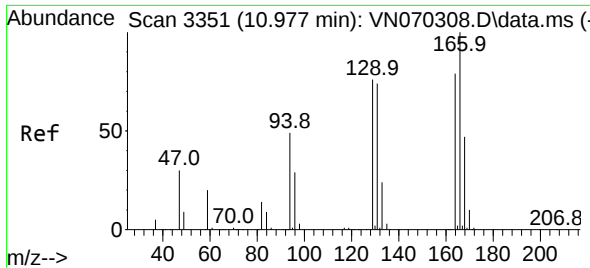


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52



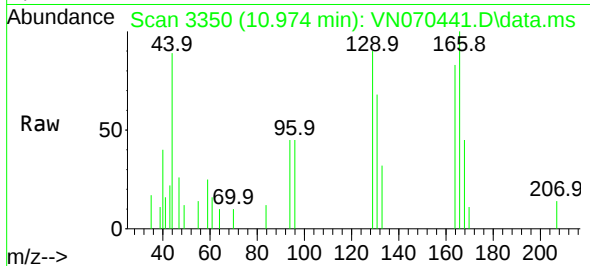
Tgt Ion:117 Resp: 1435872
Ion Ratio Lower Upper
117 100
82 59.8 42.4 63.6
119 32.4 25.4 38.2





#64
Tetrachloroethene
Concen: 0.265 ug/l
RT: 10.974 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52

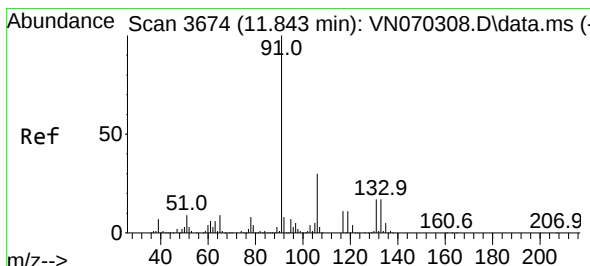
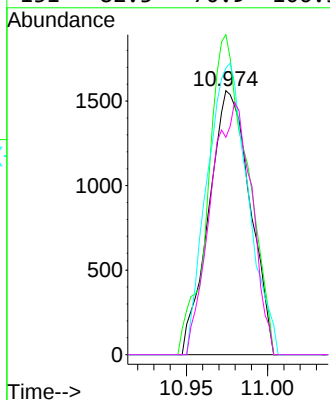
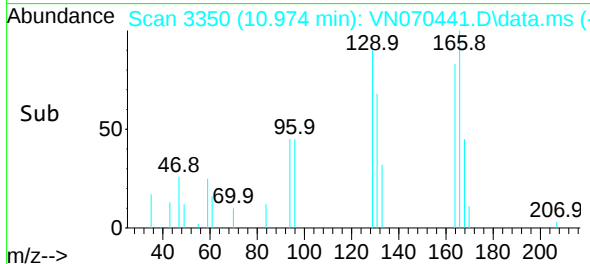
Instrument :
MSVOA_N
ClientSampleId :
MW-6D



Tgt Ion:164 Resp: 2754
Ion Ratio Lower Upper
164 100
166 121.2 101.9 152.9
129 108.5 72.0 108.0
131 82.3 70.9 106.3

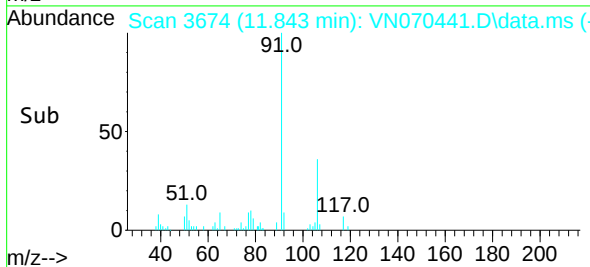
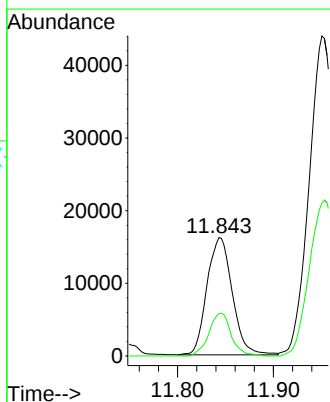
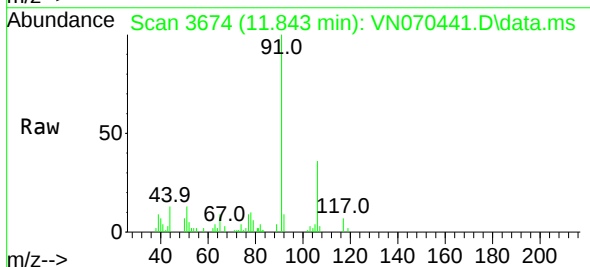
Manual Integrations
APPROVED

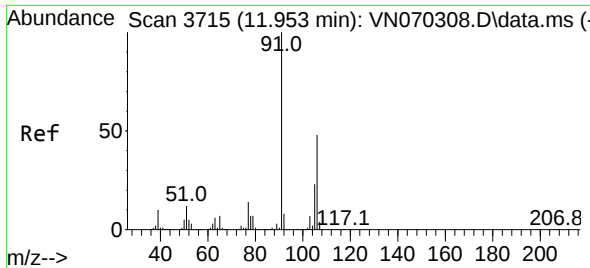
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#67
Ethyl Benzene
Concen: 0.530 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52

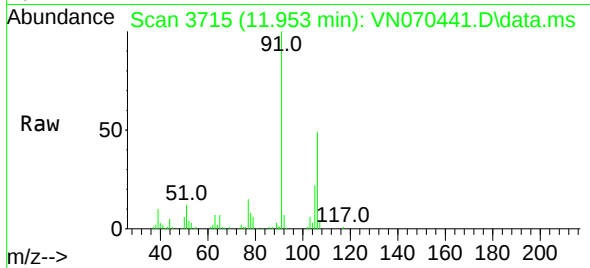
Tgt Ion: 91 Resp: 29594
Ion Ratio Lower Upper
91 100
106 36.1 25.7 38.5





#68
m/p-Xylenes
Concen: 2.175 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52

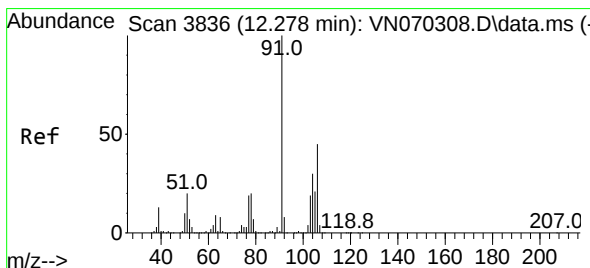
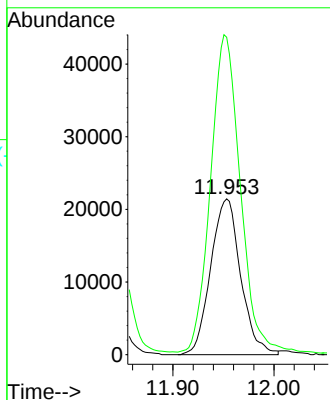
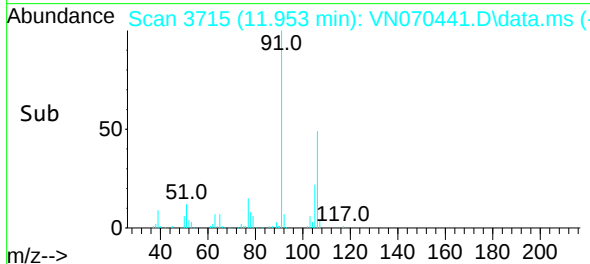
Instrument :
MSVOA_N
ClientSampleId :
MW-6D



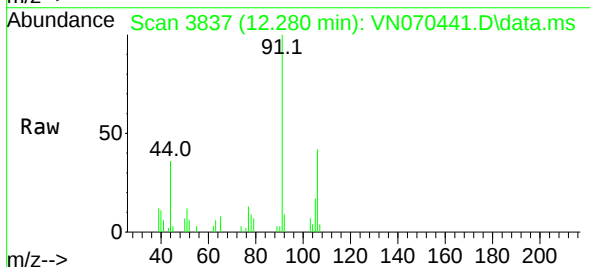
Tgt Ion:106 Resp: 44184
Ion Ratio Lower Upper
106 100
91 203.4 160.6 240.8

Manual Integrations
APPROVED

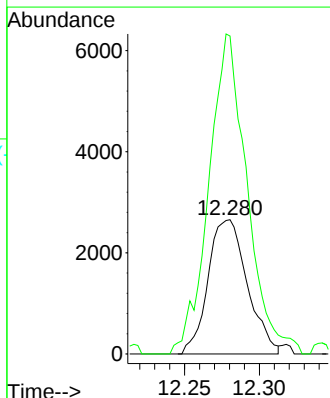
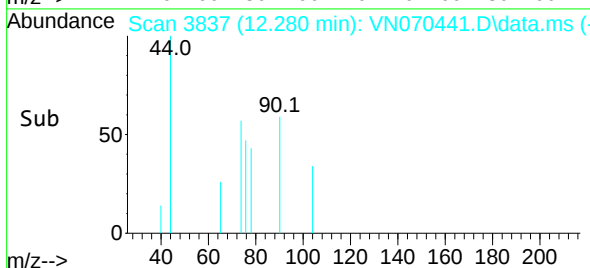
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

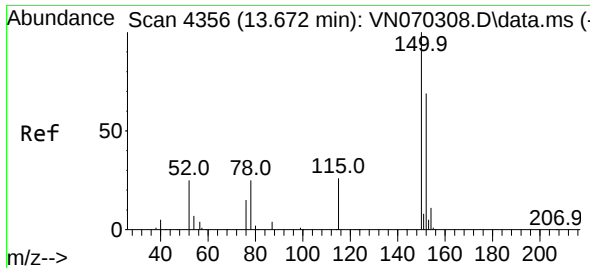


#69
o-Xylene
Concen: 0.240 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52



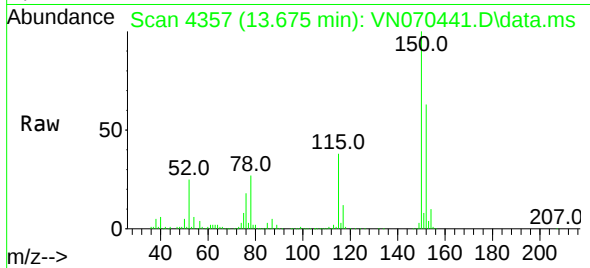
Tgt Ion:106 Resp: 4853
Ion Ratio Lower Upper
106 100
91 232.5 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52

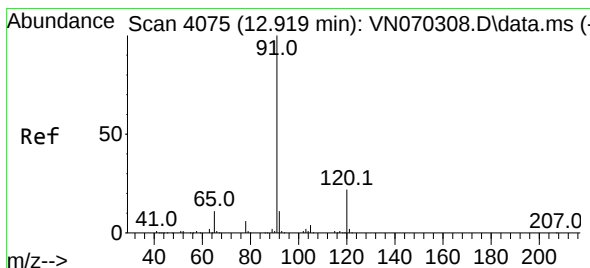
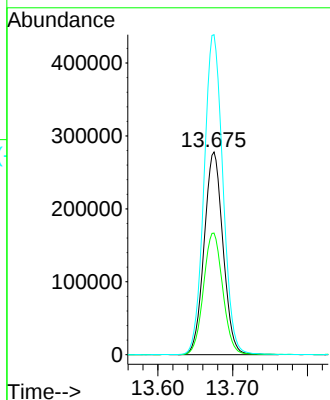
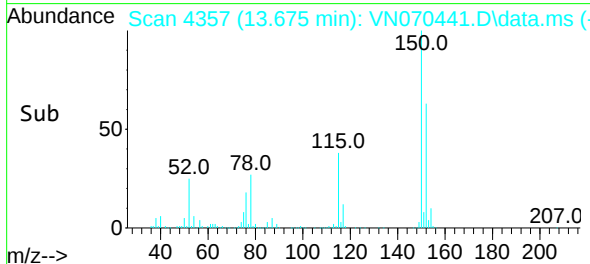
Instrument :
MSVOA_N
ClientSampleId :
MW-6D



Tgt Ion:152 Resp: 48704
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 158.1 0.0 344.4

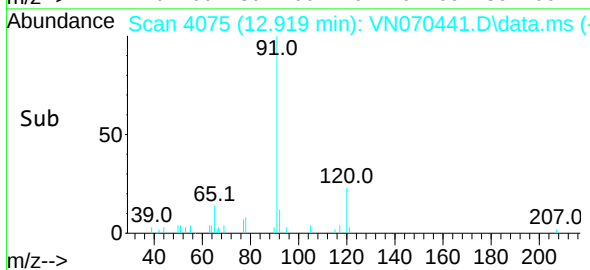
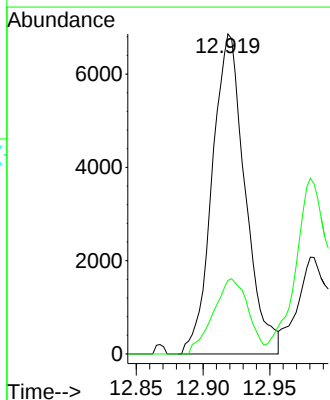
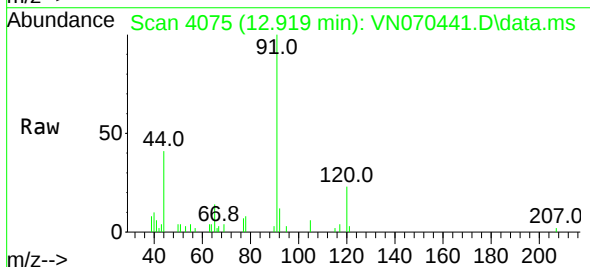
Manual Integrations
APPROVED

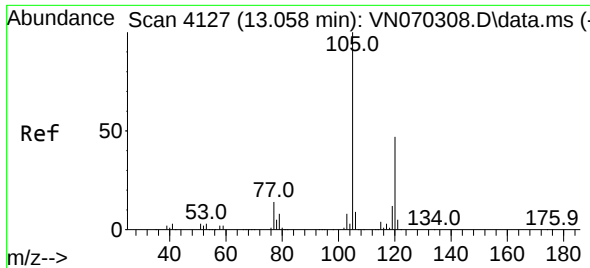
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#78
n-propylbenzene
Concen: 0.235 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.000 min
Lab File: VN070441.D
Acq: 3 Jan 2022 16:52

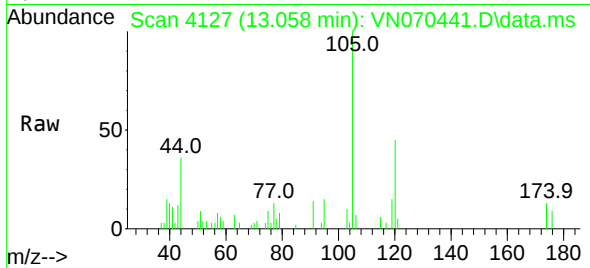
Tgt Ion: 91 Resp: 11773
Ion Ratio Lower Upper
91 100
120 25.0 11.9 35.9





#80
 1,3,5-Trimethylbenzene
 Concen: 0.291 ug/l
 RT: 13.058 min Scan# 4127
 Delta R.T. 0.000 min
 Lab File: VN070441.D
 Acq: 3 Jan 2022 16:52

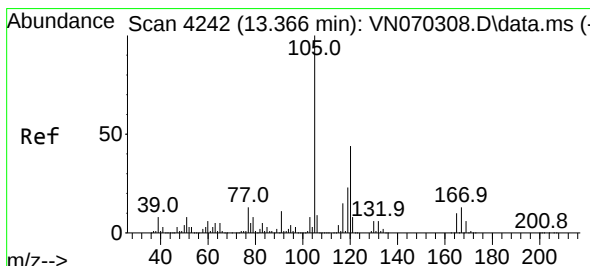
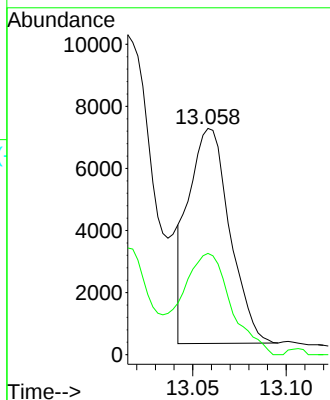
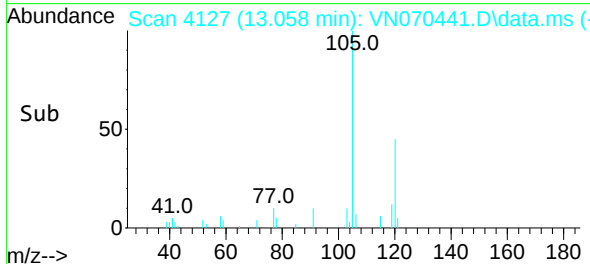
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6D



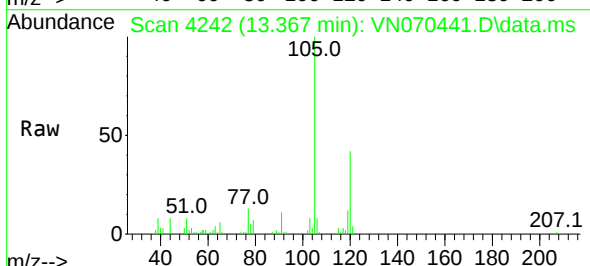
Tgt Ion:105 Resp: 10538
 Ion Ratio Lower Upper
 105 100
 120 54.5 24.6 73.6

Manual Integrations
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Reviewed By :John Carlone 01/04/2022
 Supervised By :Mahesh Dadoda 01/04/2022



#84
 1,2,4-Trimethylbenzene
 Concen: 1.807 ug/l
 RT: 13.367 min Scan# 4242
 Delta R.T. 0.001 min
 Lab File: VN070441.D
 Acq: 3 Jan 2022 16:52



Tgt Ion:105 Resp: 63061
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.8 68.4

