

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011422\
 Data File : VW024363.D
 Acq On : 14 Jan 2022 16:03
 Operator : SY/MD
 Sample : N1115-18
 Misc : 6.06g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BGLS8

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/17/2022
 Supervised By : Mahesh Dadoda 01/17/2022

Quant Time: Jan 17 07:19:41 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM123121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jan 13 02:28:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	381820	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.860	117	359386	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.255	152	210446	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	104721	38.109	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	76.220%		
7) Chloroethane-d5	1.564	69	81070	38.837	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	77.680%		
11) 1,1-Dichloroethene-d2	2.082	63	175217	34.117	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.240%		
21) 2-Butanone-d5	3.892	46	148088	96.728	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.730%		
24) Chloroform-d	4.346	84	291238	57.990	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	115.980%		
26) 1,2-Dichloroethane-d4	5.027	65	163680	48.678	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.360%		
32) Benzene-d6	5.043	84	489466	52.191	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.380%		
36) 1,2-Dichloropropane-d6	6.069	67	138724	52.780	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	105.560%		
41) Toluene-d8	7.313	98	476276	52.451	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.900%		
43) trans-1,3-Dichloroprop...	7.622	79	87447	57.779	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	115.560%		
47) 2-Hexanone-d5	8.130	63	143501m	125.668	ug/L	0.04
Spiked Amount 100.000	Range 45 - 130		Recovery =	125.670%		
56) 1,1,2,2-Tetrachloroeth...	10.233	84	251441	66.942	ug/L	0.02
Spiked Amount 50.000	Range 65 - 120		Recovery =	133.880%#		
66) 1,2-Dichlorobenzene-d4	11.632	152	226642	54.030	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.060%		
Target Compounds						
					Qvalue	
20) cis-1,2-Dichloroethene	3.908	96	6261	2.446	ug/L	90
29) Cyclohexane	4.657	56	90511	28.174	ug/L #	61
33) Benzene	5.095	78	30227	3.308	ug/L	100
35) Methylcyclohexane	6.124	83	230013	61.545	ug/L	92
42) Toluene	7.387	91	793628	77.367	ug/L	99
46) Tetrachloroethene	7.976	164	3802	1.658	ug/L	93
51) Chlorobenzene	8.886	112	471542	68.249	ug/L	99
52) Ethylbenzene	9.017	91	21828160m	1991.853	ug/L	
53) m,p-Xylene	9.156	106	25057981m	5704.538	ug/L	
54) o-Xylene	9.558	106	8984884	2142.749	ug/L	69
60) Isopropylbenzene	9.940	105	16138779m	1385.883	ug/L	
62) 1,3,5-Trimethylbenzene	10.551	105	7887131	787.374	ug/L	98
63) 1,2,4-Trimethylbenzene	10.924	105	18415528m	1841.487	ug/L	
65) 1,4-Dichlorobenzene	11.281	146	17217	2.780	ug/L #	1
67) 1,2-Dichlorobenzene	11.651	146	1046807	169.162	ug/L	98
70) 1,2,4-trichlorobenzene	13.271	180	143838	36.416	ug/L #	77
72) 1,2,3-Trichlorobenzene	13.750	180	29840	7.310	ug/L #	1

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

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

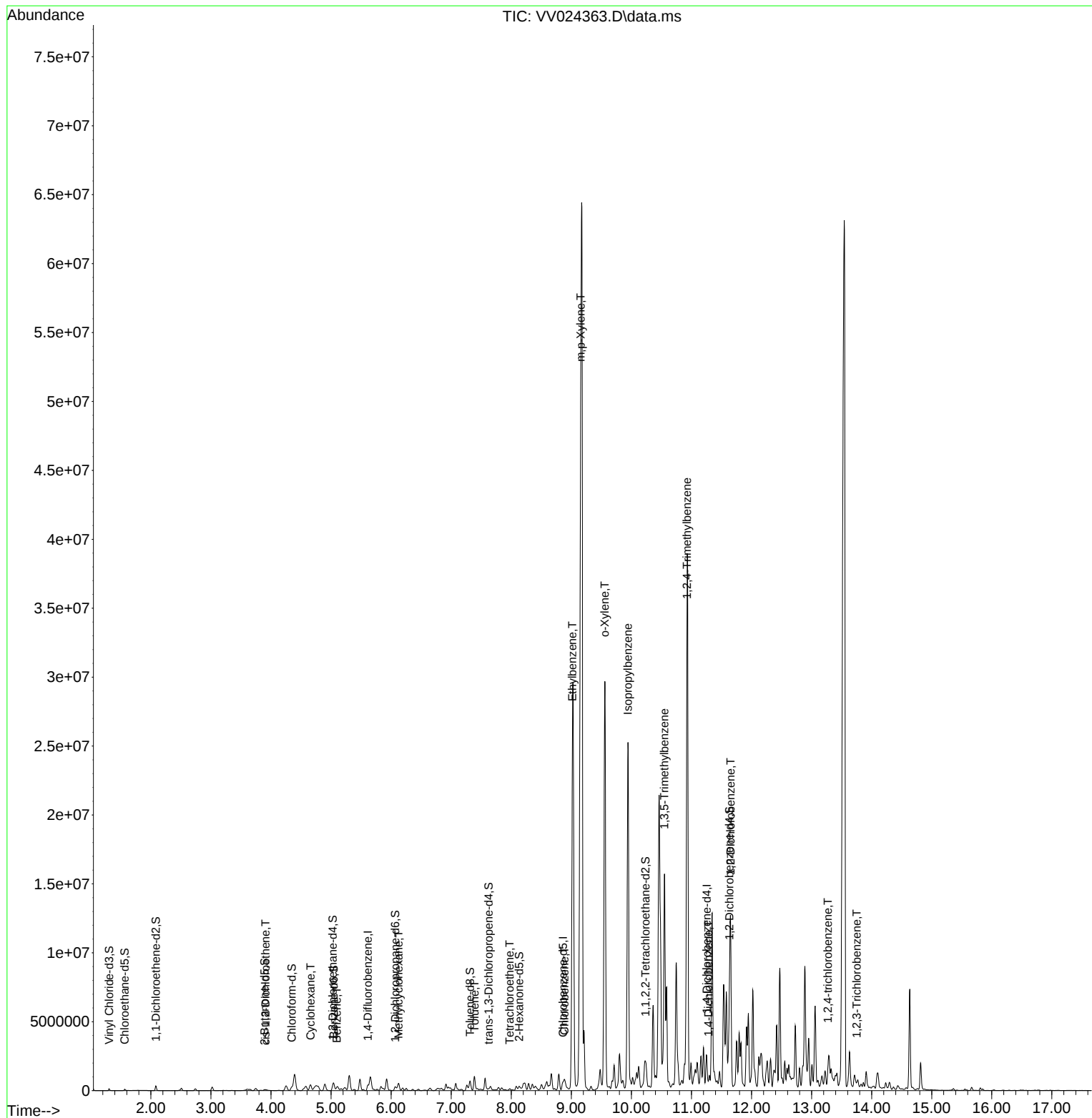
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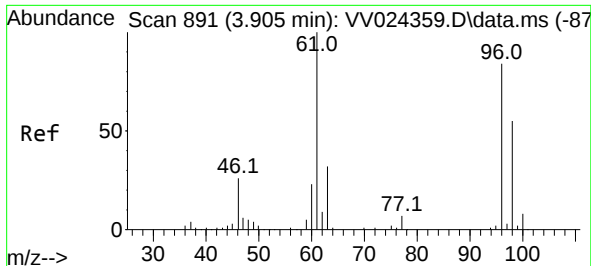
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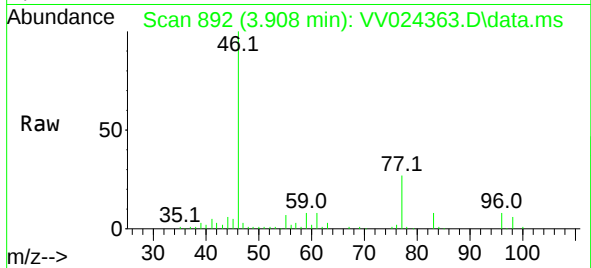
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM123121WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Jan 13 02:28:22 2022
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#20
cis-1,2-Dichloroethene
Concen: 2.446 ug/L
RT: 3.908 min Scan# 891
Delta R.T. -0.000 min
Lab File: VV024363.D
Acq: 14 Jan 2022 16:03

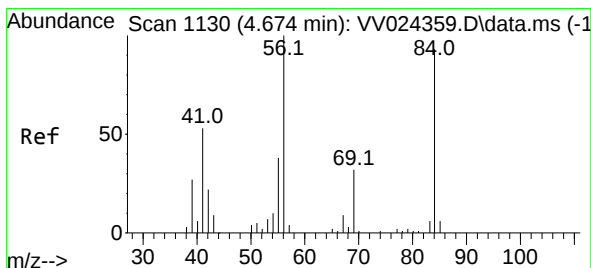
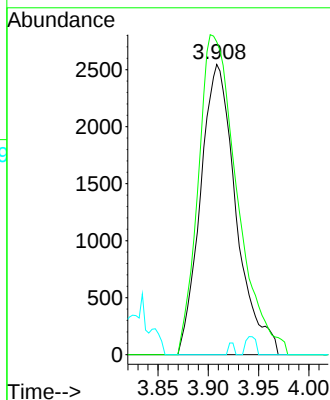
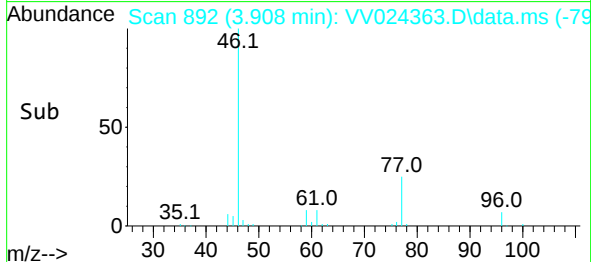
Instrument :
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Tgt Ion: 96 Resp: 626
Ion Ratio Lower Upper
96 100
61 107.8 82.9 153.9
68 0.0 0.0 0.0

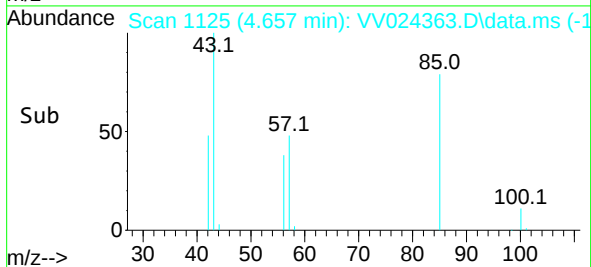
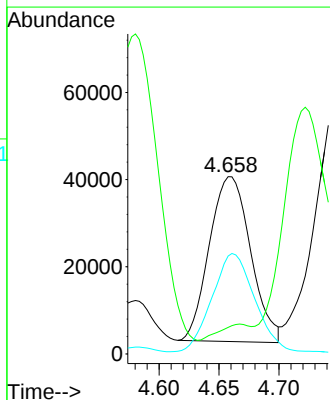
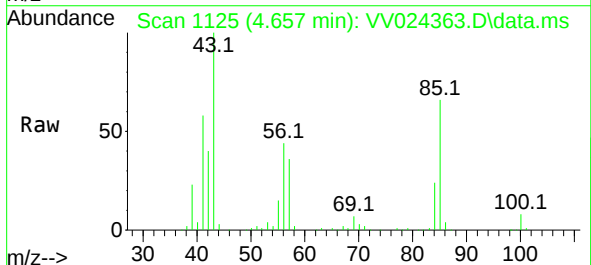
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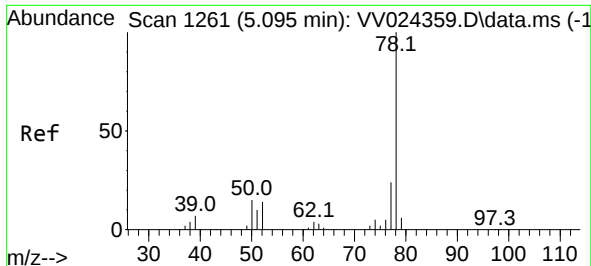
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/17/2022



#29
Cyclohexane
Concen: 28.174 ug/L
RT: 4.657 min Scan# 1125
Delta R.T. -0.019 min
Lab File: VV024363.D
Acq: 14 Jan 2022 16:03

Tgt Ion: 56 Resp: 90511
Ion Ratio Lower Upper
56 100
69 7.1 25.8 38.6#
84 62.7 79.1 118.7#





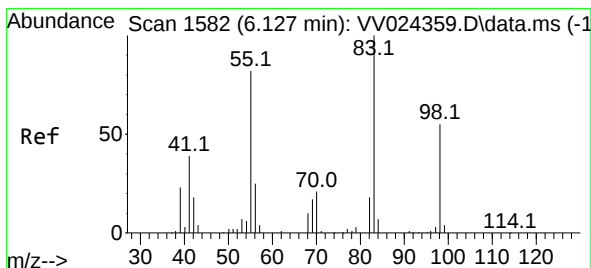
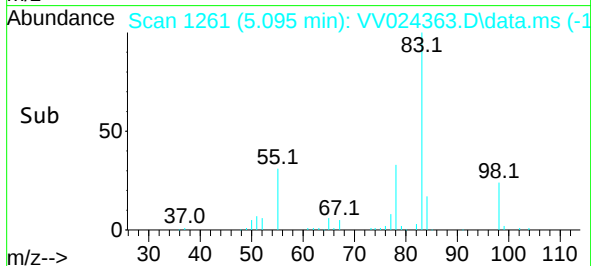
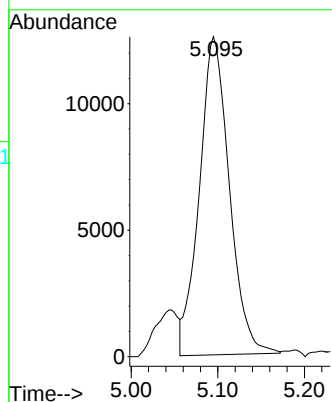
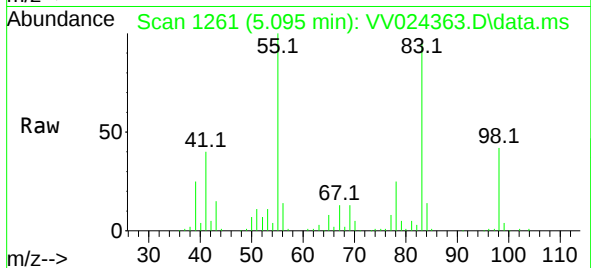
#33
Benzene
Concen: 3.308 ug/L
RT: 5.095 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV024363.D
Acq: 14 Jan 2022 16:03

Instrument :
MSVOA_V
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BGLS8

Tgt Ion: 78 Resp: 3022

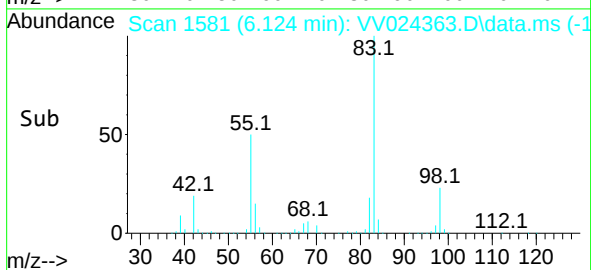
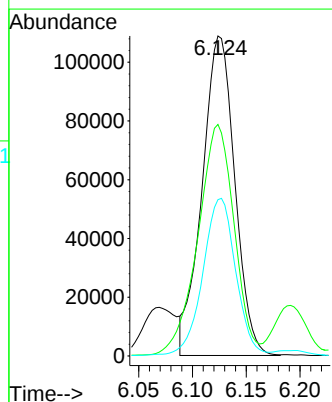
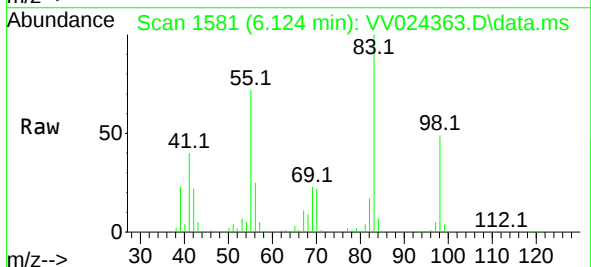
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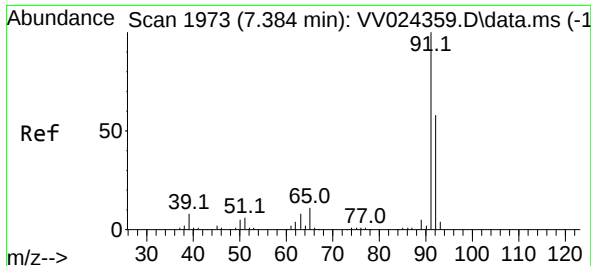
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/17/2022



#35
Methylcyclohexane
Concen: 61.545 ug/L
RT: 6.124 min Scan# 1581
Delta R.T. -0.003 min
Lab File: VV024363.D
Acq: 14 Jan 2022 16:03

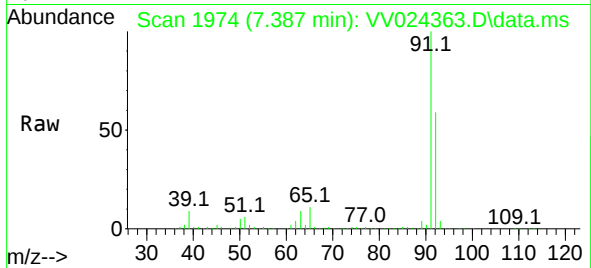
Tgt Ion: 83 Resp: 230013
Ion Ratio Lower Upper
83 100
55 79.8 55.6 83.4
98 50.0 41.3 61.9





#42
Toluene
Concen: 77.367 ug/L
RT: 7.387 min Scan# 1973
Delta R.T. 0.003 min
Lab File: VV024363.D
Acq: 14 Jan 2022 16:03

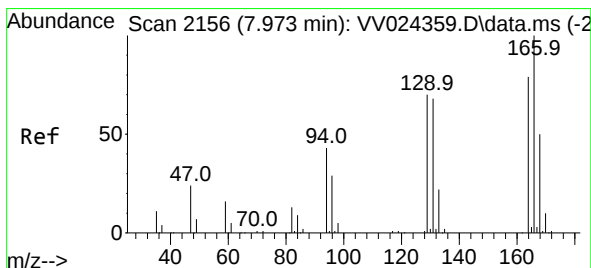
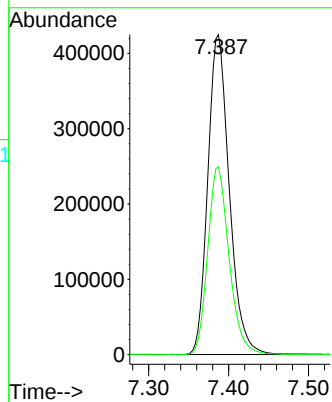
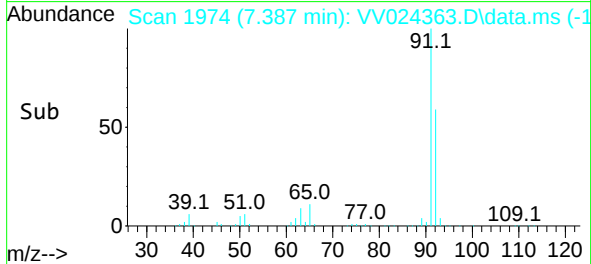
Instrument :
MSVOA_V
ClientSampleId :
BGLS8



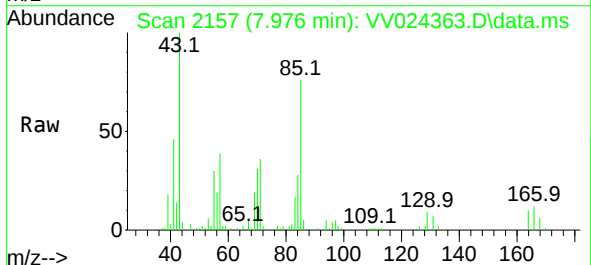
Tgt Ion: 91 Resp: 793628
Ion Ratio Lower Upper
91 100
92 58.7 40.4 75.0

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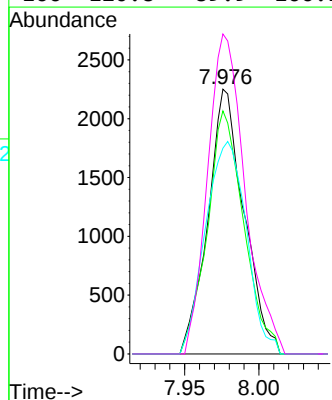
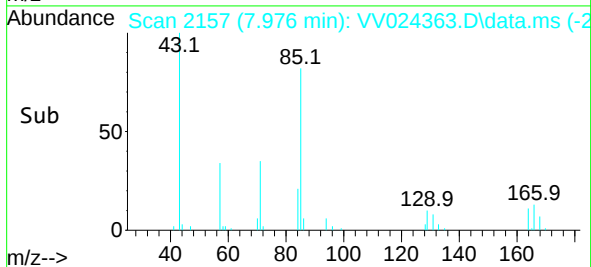
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/17/2022

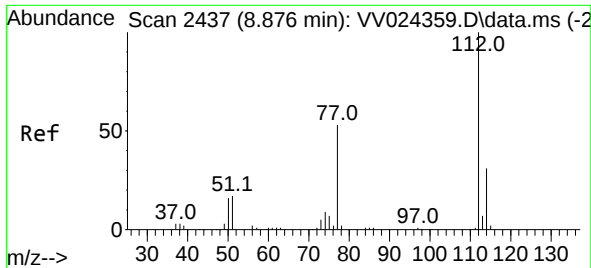


#46
Tetrachloroethene
Concen: 1.658 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.003 min
Lab File: VV024363.D
Acq: 14 Jan 2022 16:03



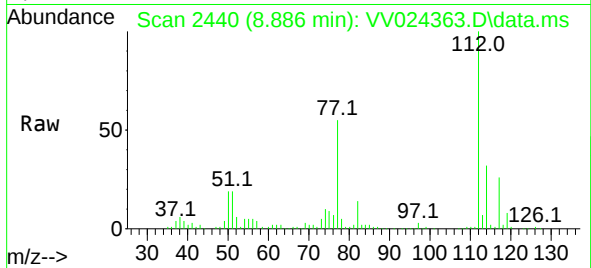
Tgt Ion:164 Resp: 3802
Ion Ratio Lower Upper
164 100
129 91.8 61.5 114.1
131 77.7 62.2 115.4
166 120.8 89.9 166.9





#51
Chlorobenzene
Concen: 68.249 ug/L
RT: 8.886 min Scan# 2437
Delta R.T. 0.006 min
Lab File: VV024363.D
Acq: 14 Jan 2022 16:03

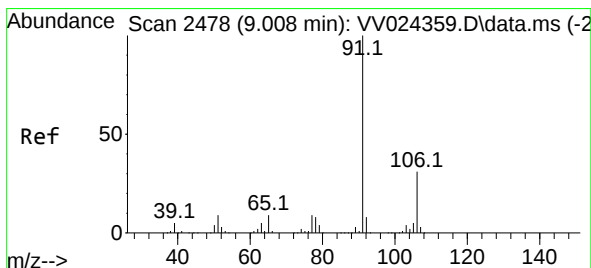
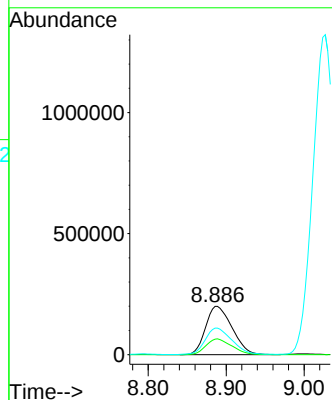
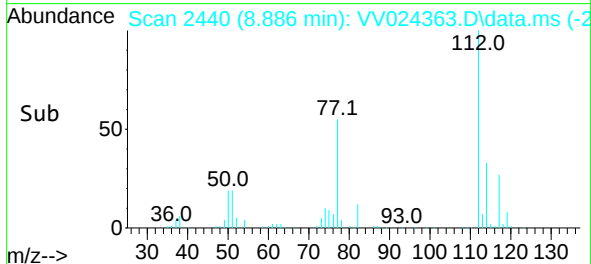
Instrument :
MSVOA_V
ClientSampleId :
BGLS8



Tgt Ion:112 Resp: 471542
Ion Ratio Lower Upper
112 100
114 32.3 22.3 41.5
77 54.9 42.8 64.2

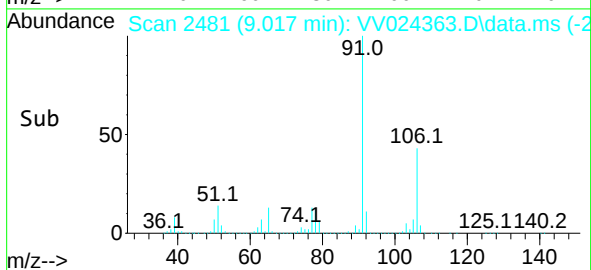
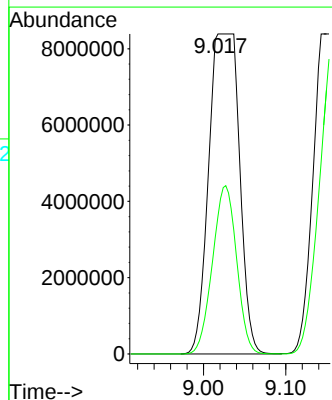
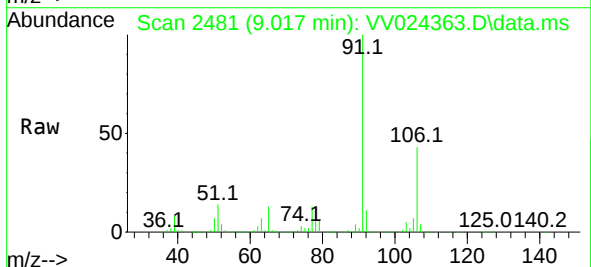
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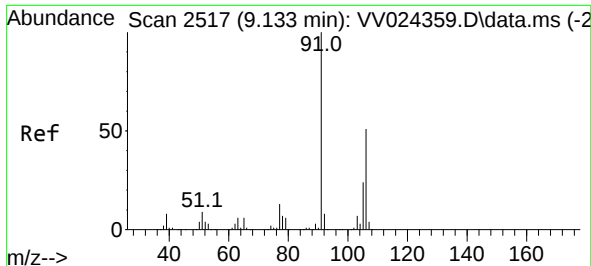
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/17/2022



#52
Ethylbenzene
Concen: 1991.853 ug/L m
RT: 9.017 min Scan# 2481
Delta R.T. 0.006 min
Lab File: VV024363.D
Acq: 14 Jan 2022 16:03

Tgt Ion: 91 Resp:21828160
Ion Ratio Lower Upper
91 100
106 43.0 22.0 41.0#





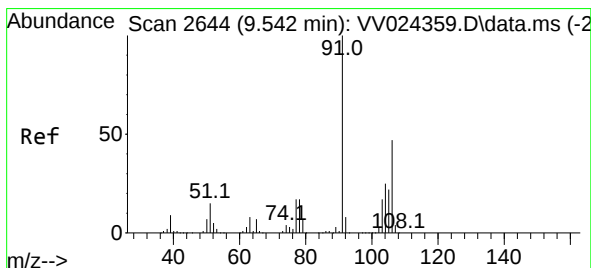
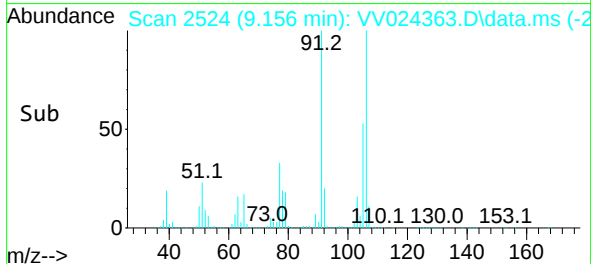
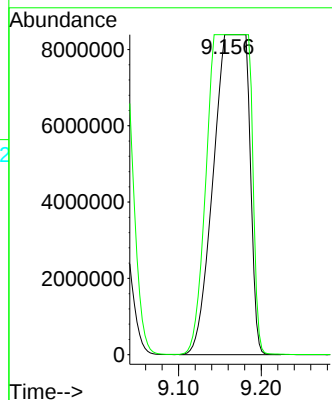
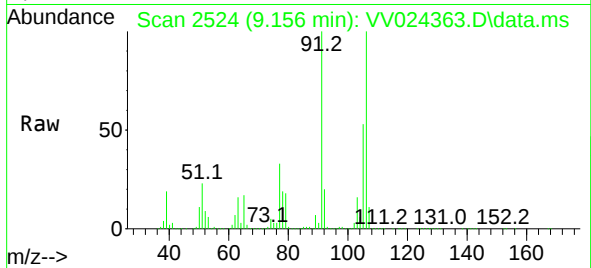
#53
m,p-Xylene
Concen: 5704.538 ug/L m
RT: 9.156 min Scan# 21
Delta R.T. 0.019 min
Lab File: VV024363.D
Acq: 14 Jan 2022 16:03

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ClientSampleId :
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Tgt Ion:106 Resp:2505798
Ion Ratio Lower Upper
106 100
91 100.0 141.8 263.4

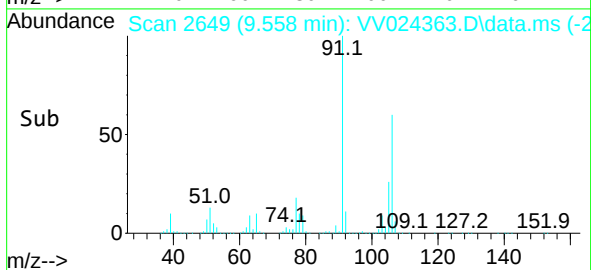
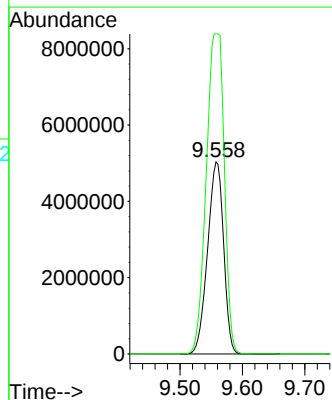
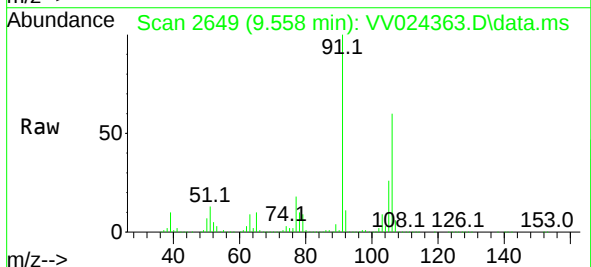
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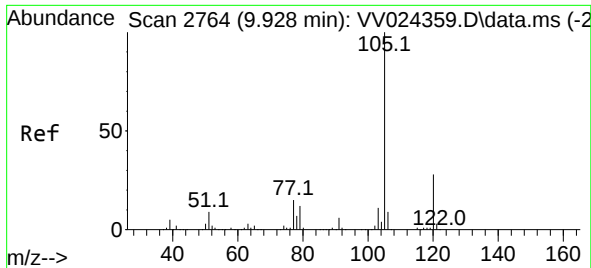
Reviewed By :John Carlone 01/17/2022
Supervised By :Mahesh Dadoda 01/17/2022



#54
o-Xylene
Concen: 2142.749 ug/L
RT: 9.558 min Scan# 2649
Delta R.T. 0.016 min
Lab File: VV024363.D
Acq: 14 Jan 2022 16:03

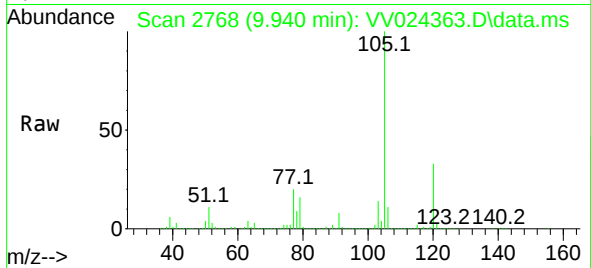
Tgt Ion:106 Resp: 8984884
Ion Ratio Lower Upper
106 100
91 166.6 150.9 280.3





#60
Isopropylbenzene
Concen: 1385.883 ug/L m
RT: 9.940 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV024363.D
Acq: 14 Jan 2022 16:03

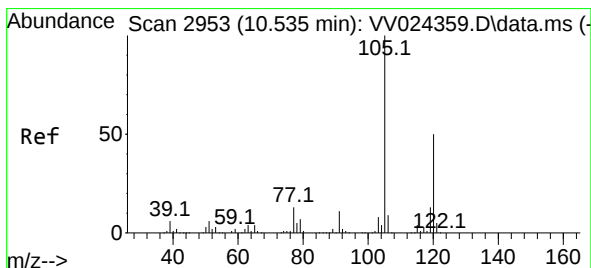
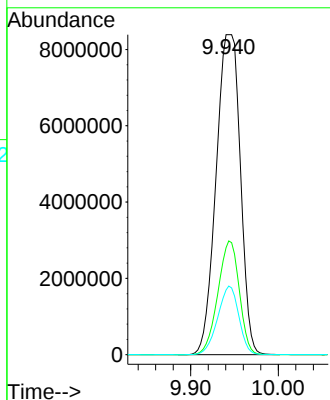
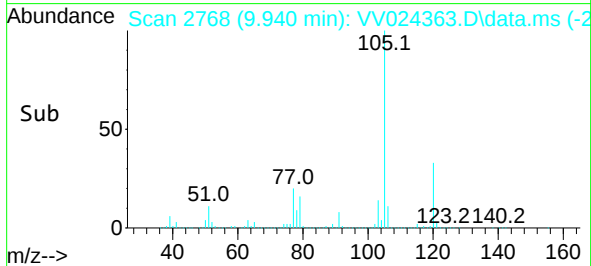
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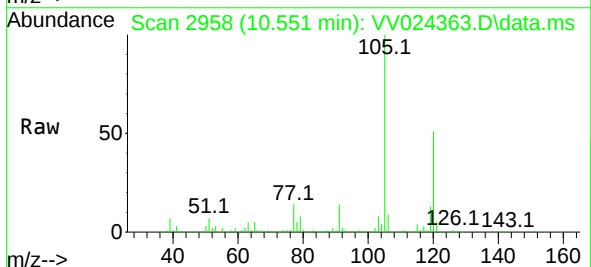
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Ion Ratio Lower Upper
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120 10.3 21.9 32.9
77 4.6 11.9 17.9

Manual Integrations
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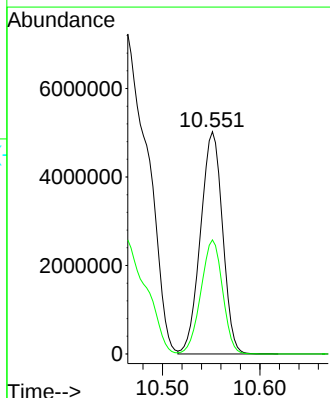
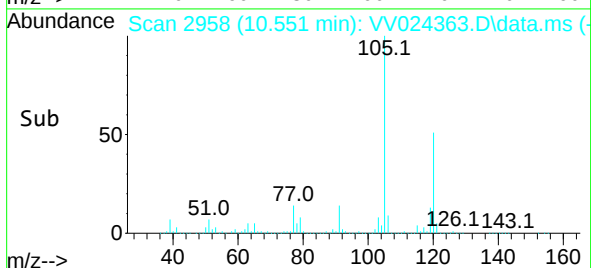
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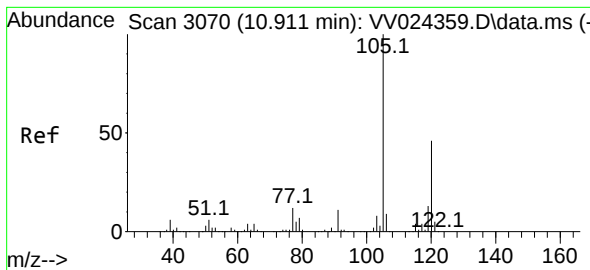


#62
1,3,5-Trimethylbenzene
Concen: 787.374 ug/L
RT: 10.551 min Scan# 2958
Delta R.T. 0.013 min
Lab File: VV024363.D
Acq: 14 Jan 2022 16:03



Tgt Ion:105 Resp: 7887131
Ion Ratio Lower Upper
105 100
120 50.6 39.4 59.2





#63

1,2,4-Trimethylbenzene

Concen: 1841.487 ug/L m

RT: 10.924 min Scan# 3070

Delta R.T. 0.013 min

Lab File: VV024363.D

Acq: 14 Jan 2022 16:03

Instrument :

MSVOA_V

ClientSampleId :

BGLS8

Tgt Ion:105 Resp:1841552

Ion Ratio Lower Upper

105 100

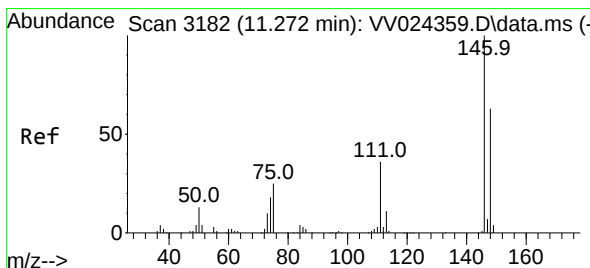
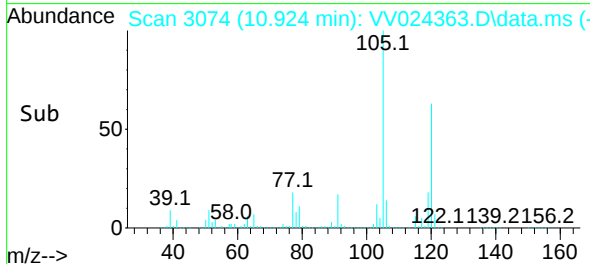
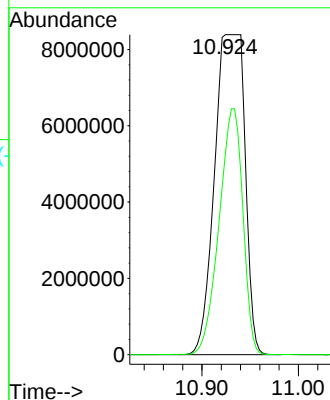
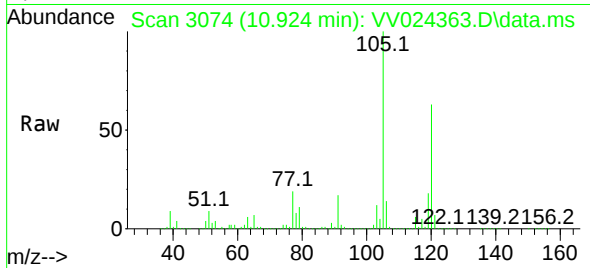
120 0.0 36.6 55.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/17/2022

Supervised By :Mahesh Dadoda 01/17/2022



#65

1,4-Dichlorobenzene

Concen: 2.780 ug/L

RT: 11.281 min Scan# 3185

Delta R.T. 0.010 min

Lab File: VV024363.D

Acq: 14 Jan 2022 16:03

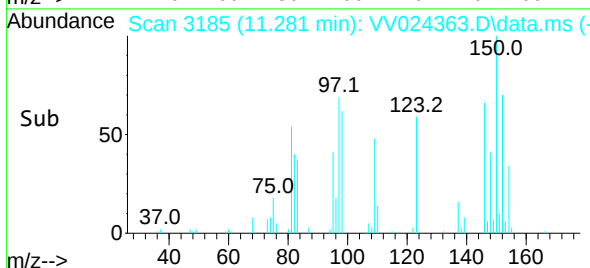
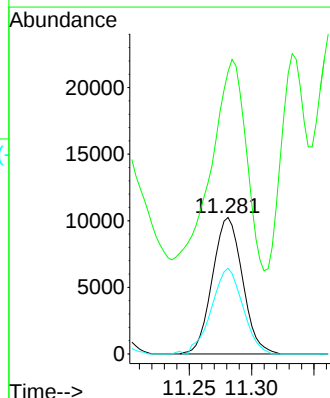
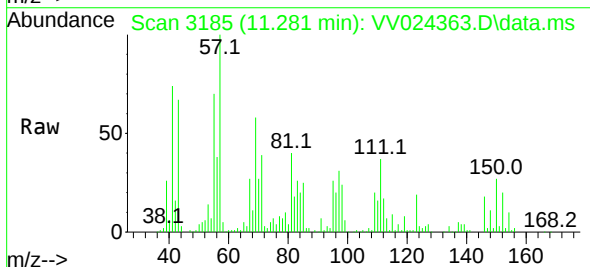
Tgt Ion:146 Resp: 17217

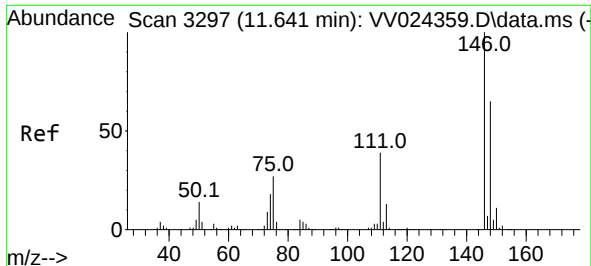
Ion Ratio Lower Upper

146 100

111 206.8 26.5 49.3

148 62.7 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 169.162 ug/L

RT: 11.651 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV024363.D

Acq: 14 Jan 2022 16:03

Instrument :

MSVOA_V

ClientSampleId :

BGLS8

Tgt Ion:146 Resp: 104680

Ion Ratio Lower Upper

146 100

111 42.6 32.0 48.0

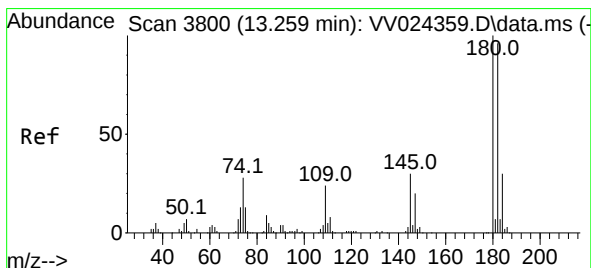
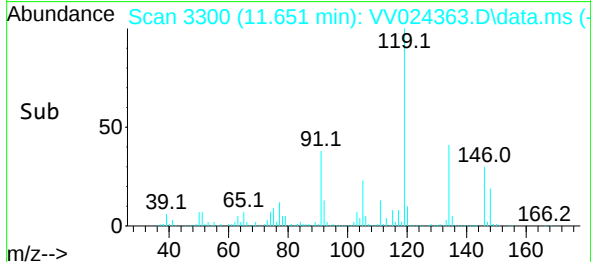
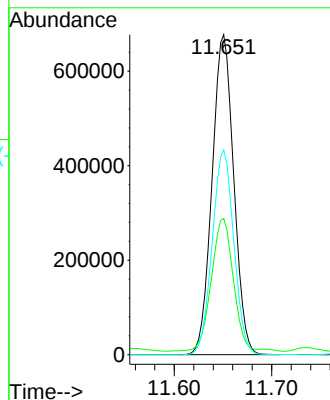
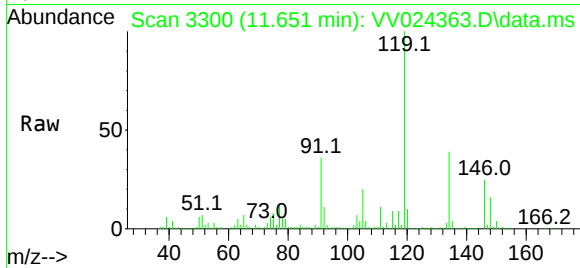
148 64.0 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/17/2022

Supervised By :Mahesh Dadoda 01/17/2022



#70

1,2,4-trichlorobenzene

Concen: 36.416 ug/L

RT: 13.271 min Scan# 3804

Delta R.T. 0.010 min

Lab File: VV024363.D

Acq: 14 Jan 2022 16:03

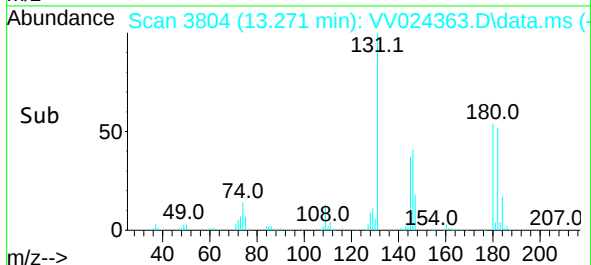
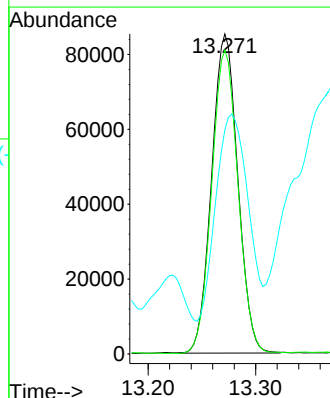
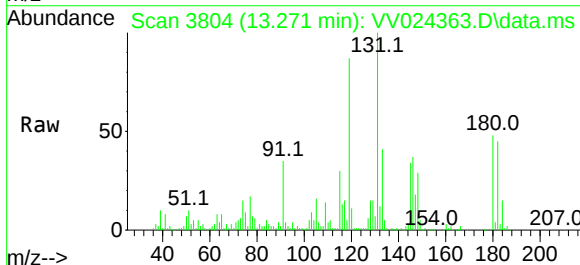
Tgt Ion:180 Resp: 143838

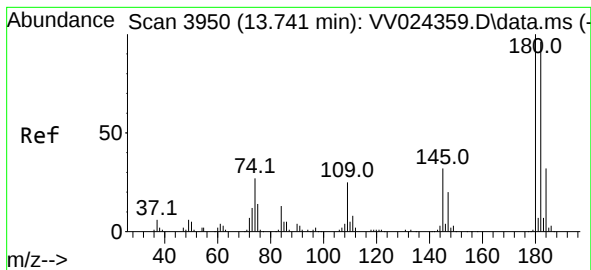
Ion Ratio Lower Upper

180 100

182 96.1 75.6 113.4

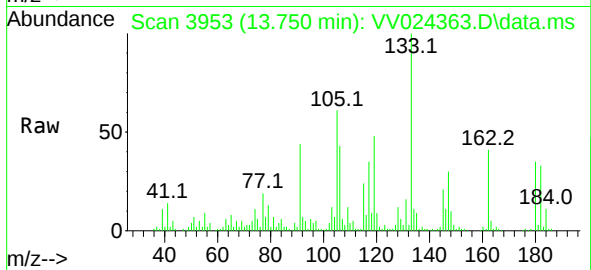
145 79.2 23.9 35.9#





#72
 1,2,3-Trichlorobenzene
 Concen: 7.310 ug/L
 RT: 13.750 min Scan# 3953
 Delta R.T. 0.006 min
 Lab File: VV024363.D
 Acq: 14 Jan 2022 16:03

Instrument :
 MSVOA_V
 ClientSampleId :
 BGLS8



Tgt Ion:180 Resp: 29840
 Ion Ratio Lower Upper
 180 100
 182 96.7 76.1 114.1
 145 330.0 25.0 37.4

Manual Integrations
 APPROVED

Reviewed By :John Carlone 01/17/2022
 Supervised By :Mahesh Dadoda 01/17/2022

