

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
 Data File : VW020807.D
 Acq On : 08 Nov 2021 13:42
 Operator : SY/VA
 Sample : M4464-06
 Misc : 6.47g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB7K4

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/15/2021
 Supervised By : Mahesh Dadoda 11/17/2021

Quant Time: Nov 15 01:11:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Nov 15 00:29:21 2021
 Response via : Initial Calibration

Supervised By : Mahesh
 Dadoda
 11/17/2021

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

Internal Standards						
1) 1,4-Difluorobenzene	8.842	114	150223	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	135080	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	50178	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	39212	27.762	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 111.040%			
7) Chloroethane-d5	2.879	69	24694m	30.705	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 122.800%			
11) 1,1-Dichloroethene-d2	4.032	63	152354	51.390	ug/L	0.01
Spiked Amount 25.000	Range 45 - 110		Recovery = 205.560%#			
21) 2-Butanone-d5	7.104	46	27469	58.560	ug/L	0.03
Spiked Amount 50.000	Range 20 - 135		Recovery = 117.120%			
24) Chloroform-d	7.647	84	73245	21.943	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 87.760%			
26) 1,2-Dichloroethane-d4	8.305	65	44568	25.081	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 100.320%			
32) Benzene-d6	8.275	84	144454	23.669	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 94.680%			
36) 1,2-Dichloropropane-d6	9.275	67	46408	24.560	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 98.240%			
41) Toluene-d8	10.329	98	139942	23.569	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 94.280%			
43) trans-1,3-Dichloroprop...	10.579	79	25355	27.054	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 108.200%			
47) 2-Hexanone-d5	10.921	63	24400	63.821	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 127.640%			
56) 1,1,2,2-Tetrachloroeth...	12.689	84	43074	27.506	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 110.040%			
66) 1,2-Dichlorobenzene-d4	13.847	152	38275	24.272	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 97.080%			
Target Compounds						Qvalue
5) Vinyl chloride	2.355	62	42129	18.223	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.056	101	166980	82.802	ug/L	91
12) 1,1-Dichloroethene	4.044	96	203106	105.678	ug/L #	64
13) Acetone	4.117	43	991337	2270.904	ug/L	94
14) Carbon disulfide	4.391	76	22383	3.858	ug/L	99
17) trans-1,2-Dichloroethene	5.422	96	54093	26.477	ug/L	85
19) 1,1-Dichloroethane	6.214	63	1543136	436.126	ug/L	98
20) cis-1,2-Dichloroethene	7.159	96	12316600	5719.095	ug/L #	63
25) Chloroform	7.671	83	6683	1.814	ug/L	98
27) 1,2-Dichloroethane	8.397	62	32919	13.805	ug/L	95
29) Cyclohexane	7.958	56	14288	4.054	ug/L	92
30) 1,1,1-Trichloroethane	7.872	97	817478	254.661	ug/L	94
33) Benzene	8.324	78	76344	9.437	ug/L	100
34) Trichloroethene	9.092	95	38561	17.907	ug/L	89
35) Methylcyclohexane	9.336	83	4160	1.107	ug/L #	80
40) 4-Methyl-2-pentanone	10.220	43	172667	137.934	ug/L #	95
42) Toluene	10.396	91	22758952m	2616.159	ug/L	
45) 1,1,2-Trichloroethane	10.787	97	7804	5.490	ug/L	94
46) Tetrachloroethene	10.860	164	37277	19.300	ug/L	96

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

52) Ethylbenzene	11.731	91	173939	17.846	ug/L	99
53) m,p-Xylene	11.835	106	260380	66.676	ug/L	97
54) o-Xylene	12.164	106	85572	23.132	ug/L	94
60) Isopropylbenzene	12.463	105	3881	0.561	ug/L	95
62) 1,3,5-Trimethylbenzene	12.939	105	7293	1.227	ug/L	93
63) 1,2,4-Trimethylbenzene	13.249	105	55003m	9.317	ug/L	
67) 1,2-Dichlorobenzene	13.865	146	6943	2.451	ug/L	95

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

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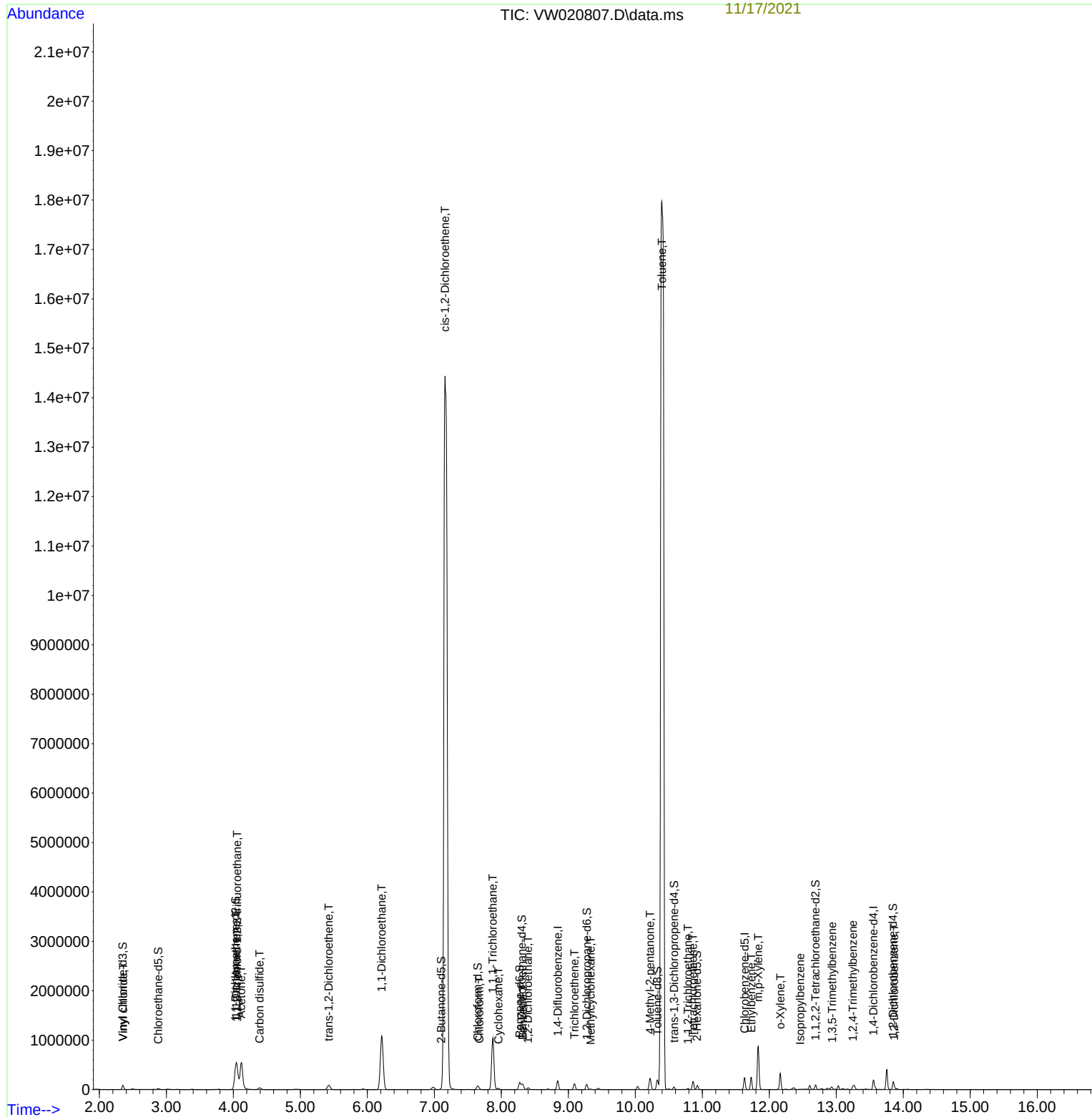
Instrument :
MSVOA_W
ClientSampleId :
GB7K4

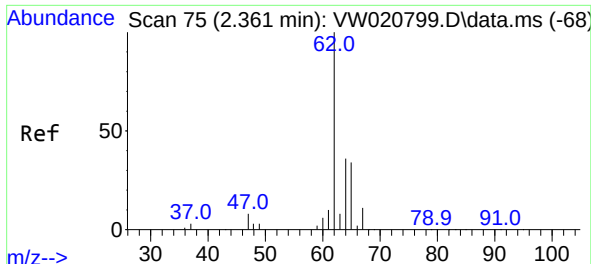
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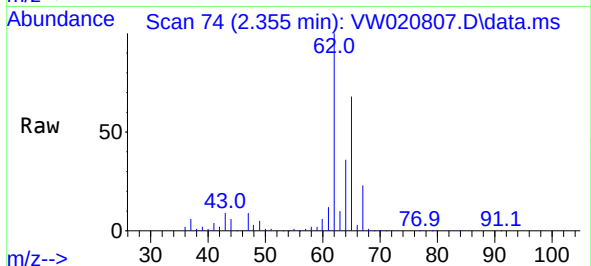
Quant Time: Nov 15 01:11:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0
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#5
 Vinyl chloride
 Concen: 18.223 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VW020807.D
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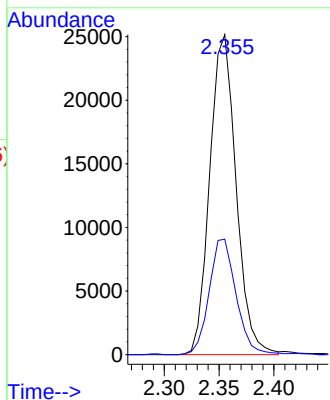
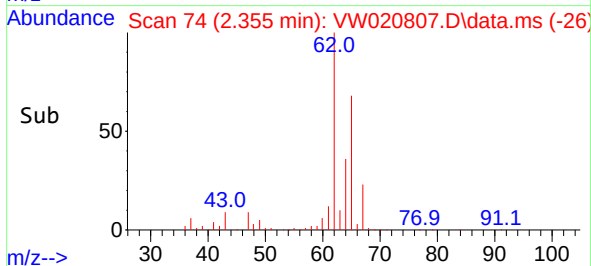
Instrument :
 MSVOA_W
 ClientSampleId :
 GB7K4



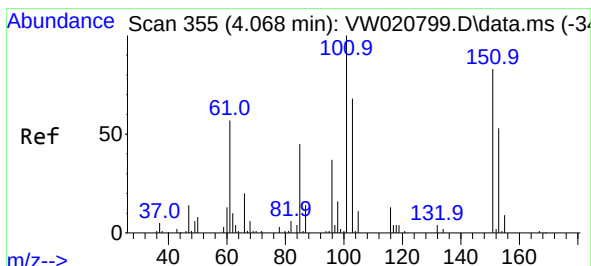
Tgt Ion: 62 Resp: 42129
 Ion Ratio Lower Upper
 62 100
 64 36.1 24.4 45.2

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 Supervised By :Mahesh Dadoda 11/17/2021

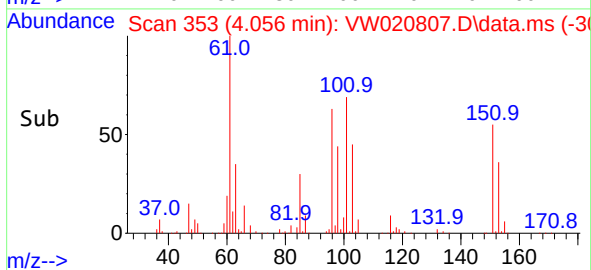
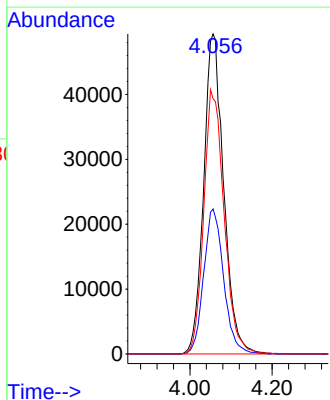
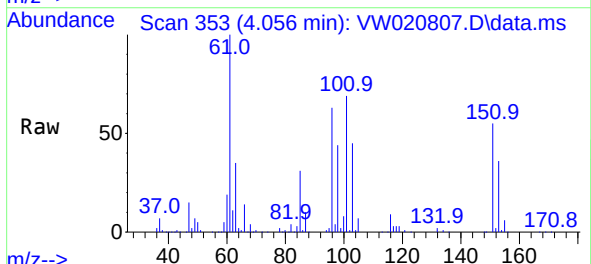


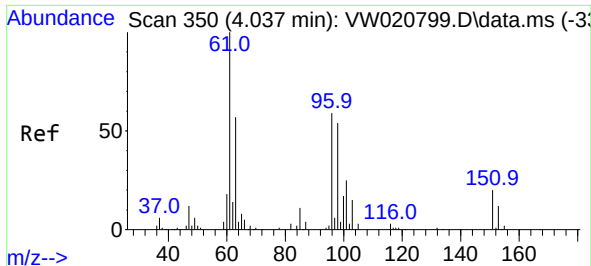
Supervised By :Mahesh
 Dadoda
 11/17/2021



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 82.802 ug/L
 RT: 4.056 min Scan# 353
 Delta R.T. -0.012 min
 Lab File: VW020807.D
 Acq: 08 Nov 2021 13:42

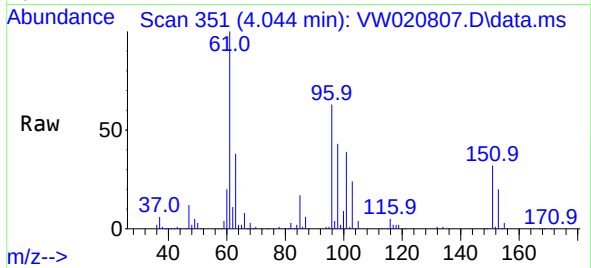
Tgt Ion:101 Resp: 166980
 Ion Ratio Lower Upper
 101 100
 85 45.1 36.6 54.8
 151 83.8 57.4 86.0





#12
1,1-Dichloroethene
Concen: 105.678 ug/L
RT: 4.044 min Scan# 351
Delta R.T. 0.006 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

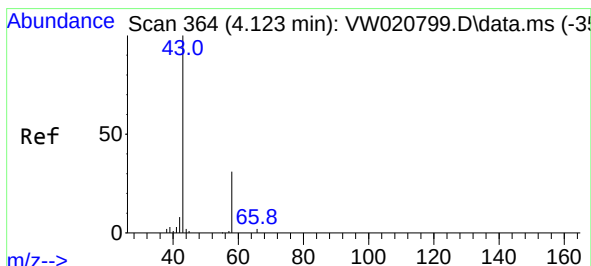
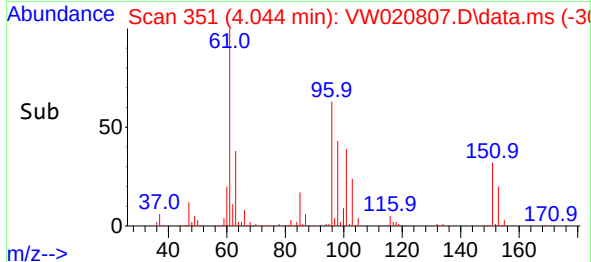
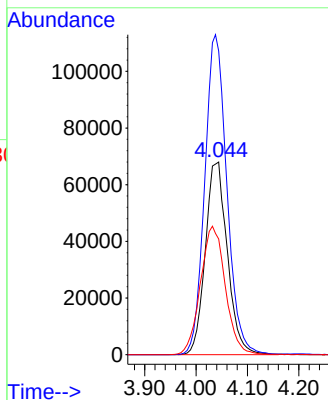


Tgt Ion: 96 Resp: 203100
Ion Ratio Lower Upper
96 100
61 157.7 138.3 256.9
63 60.1 82.6 153.4

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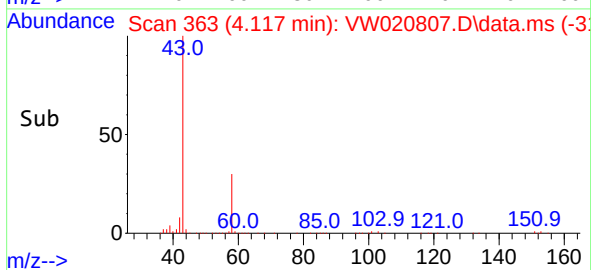
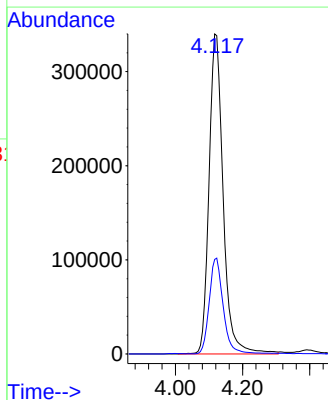
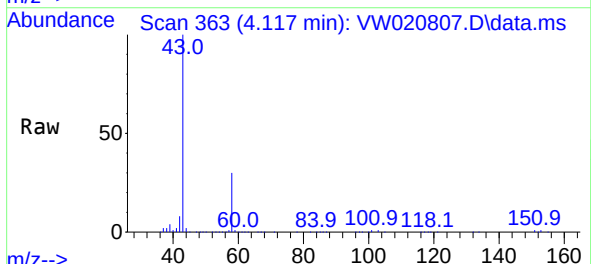
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Supervised By :Mahesh Dadoda 11/17/2021

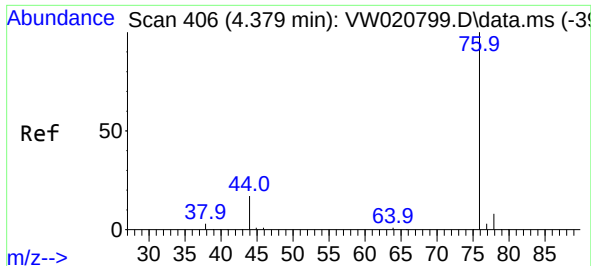
Supervised By :Mahesh
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#13
Acetone
Concen: 2270.904 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.006 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

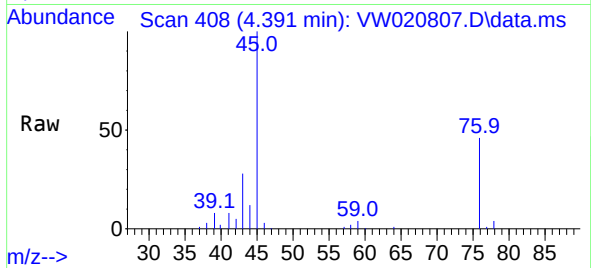
Tgt Ion: 43 Resp: 991337
Ion Ratio Lower Upper
43 100
58 29.5 0.0 52.8





#14
Carbon disulfide
Concen: 3.858 ug/L
RT: 4.391 min Scan# 406
Delta R.T. 0.012 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

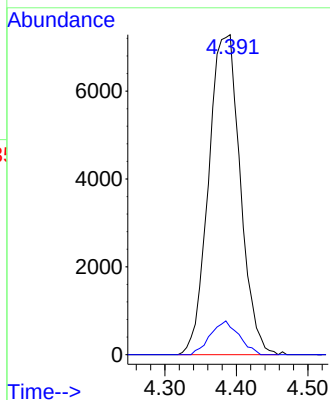
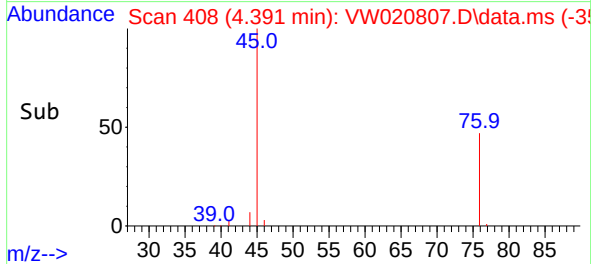
Instrument :
MSVOA_W
ClientSampleId :
GB7K4



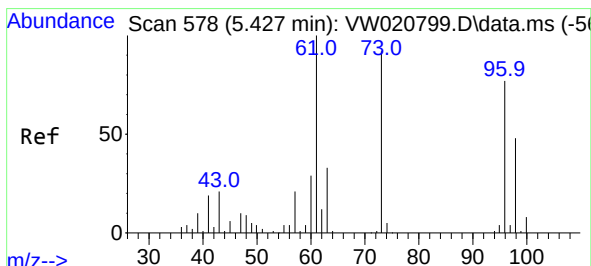
Tgt Ion: 76 Resp: 2238
Ion Ratio Lower Upper
76 100
78 8.6 7.1 10.7

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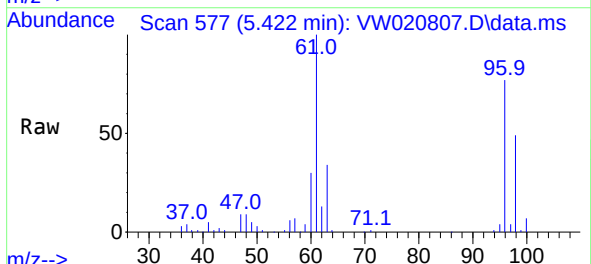
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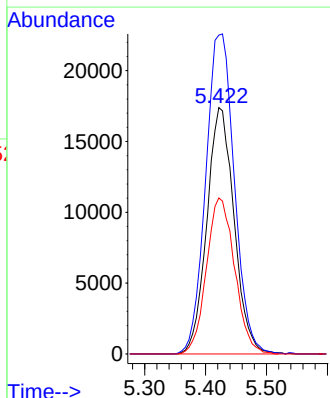
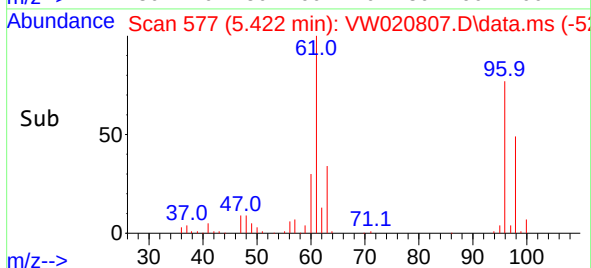
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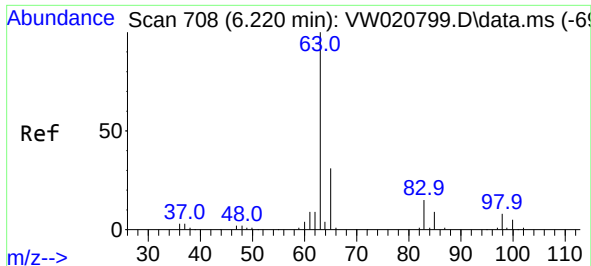


#17
trans-1,2-Dichloroethene
Concen: 26.477 ug/L
RT: 5.422 min Scan# 577
Delta R.T. -0.006 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42



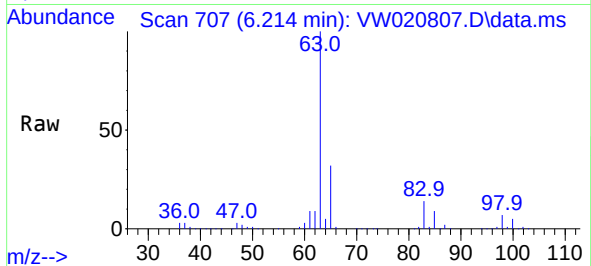
Tgt Ion: 96 Resp: 54093
Ion Ratio Lower Upper
96 100
61 129.4 107.4 199.4
98 63.3 41.2 76.6





#19
1,1-Dichloroethane
Concen: 436.126 ug/L
RT: 6.214 min Scan# 708
Delta R.T. -0.006 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

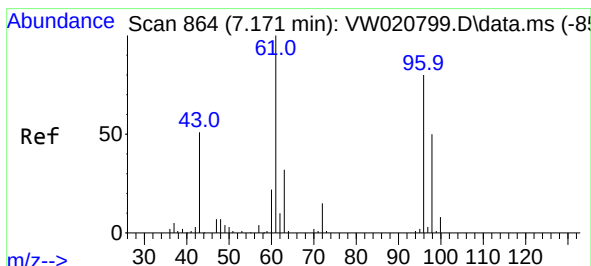
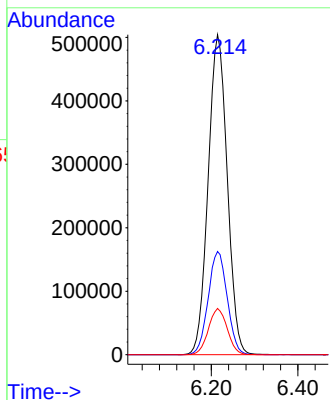
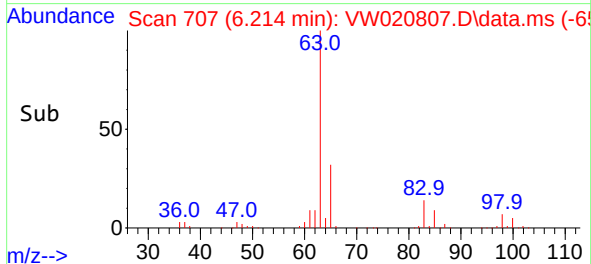


Tgt Ion: 63 Resp: 1543130
Ion Ratio Lower Upper
63 100
65 32.3 22.1 41.1
83 14.4 9.2 17.2

Manual Integrations
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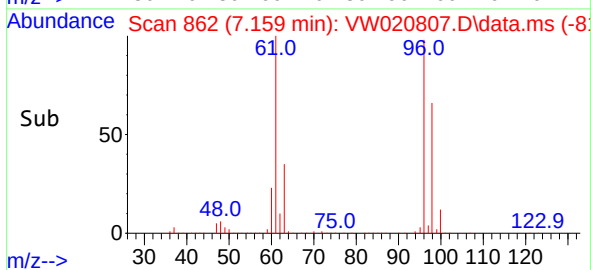
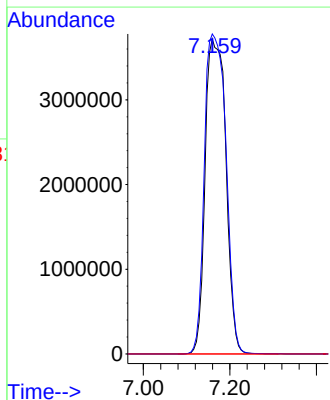
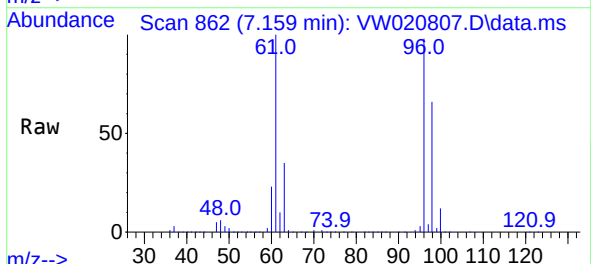
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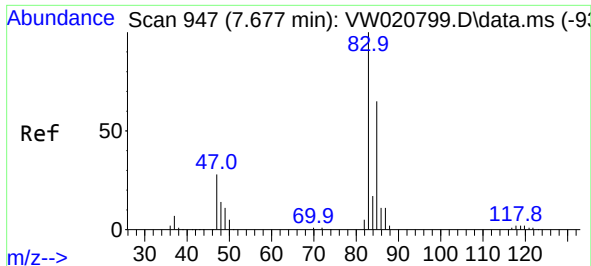
Supervised By :Mahesh
Dadoda
11/17/2021



#20
cis-1,2-Dichloroethene
Concen: 5719.095 ug/L
RT: 7.159 min Scan# 862
Delta R.T. -0.012 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

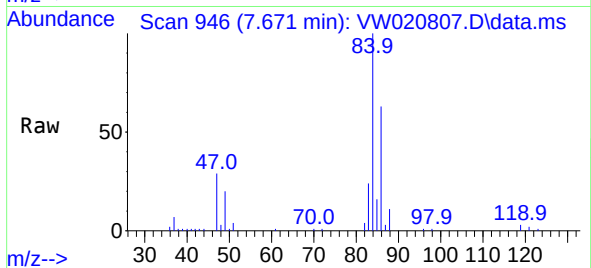
Tgt Ion: 96 Resp:12316600
Ion Ratio Lower Upper
96 100
61 101.6 103.7 192.7#
68 0.0 0.0 0.0#





#25
Chloroform
Concen: 1.814 ug/L
RT: 7.671 min Scan# 94
Delta R.T. -0.006 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

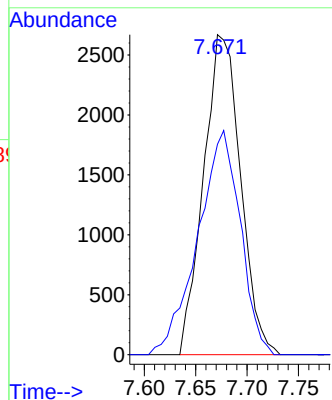
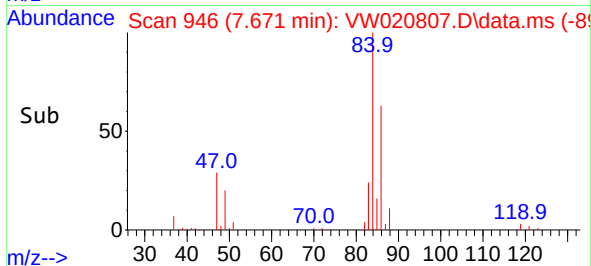
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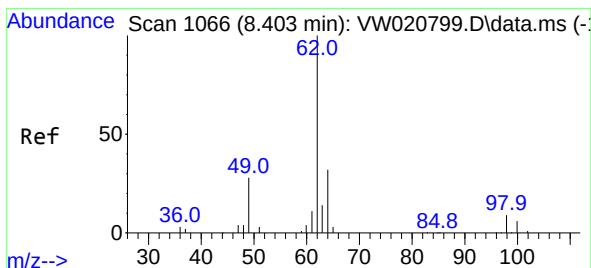
Tgt Ion: 83 Resp: 668
Ion Ratio Lower Upper
83 100
85 65.7 45.1 83.7

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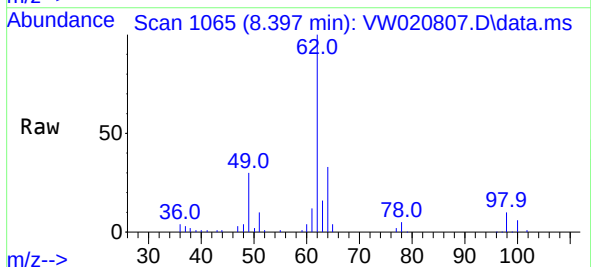
Reviewed By :Semsettin Yesilyurt 11/15/2021
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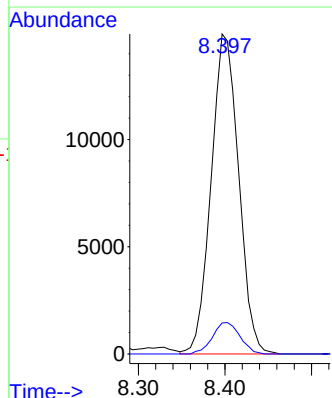
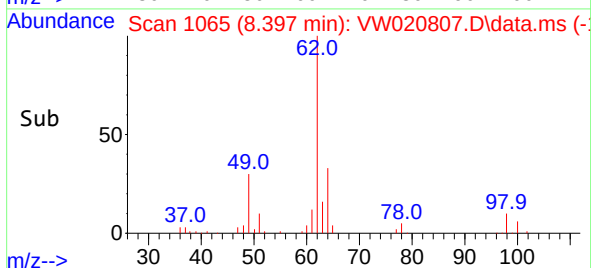
Supervised By :Mahesh
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11/17/2021

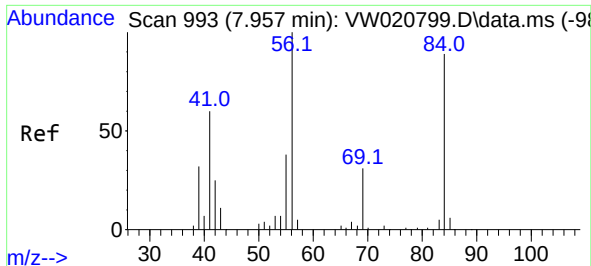


#27
1,2-Dichloroethane
Concen: 13.805 ug/L
RT: 8.397 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42



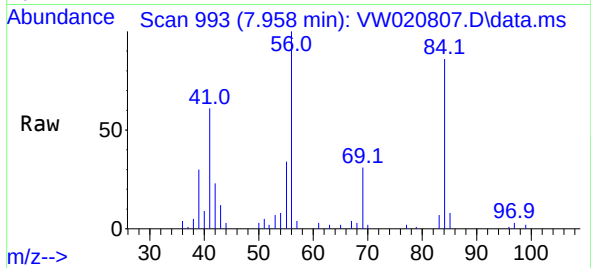
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Ion Ratio Lower Upper
62 100
98 9.7 6.5 9.7





#29
Cyclohexane
Concen: 4.054 ug/L
RT: 7.958 min Scan# 993
Delta R.T. 0.000 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

Instrument :
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ClientSampleId :
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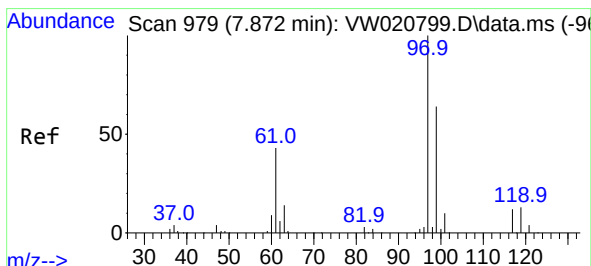
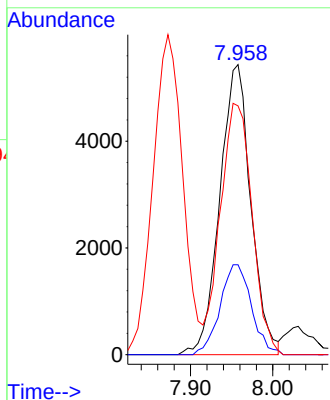
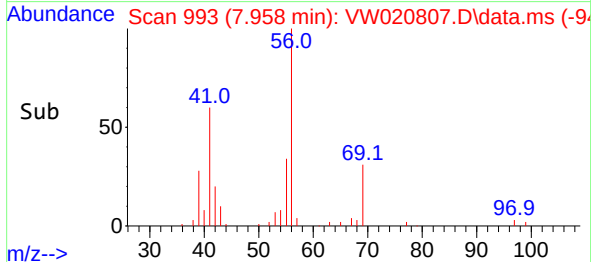


Tgt Ion: 56 Resp: 1428
Ion Ratio Lower Upper
56 100
69 31.3 23.5 35.3
84 88.3 63.4 95.2

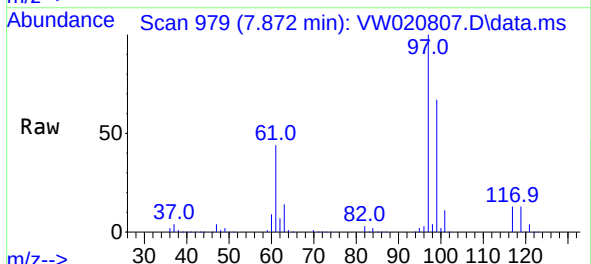
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

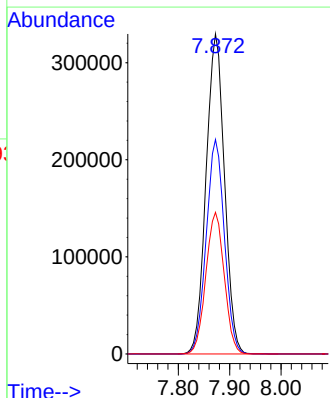
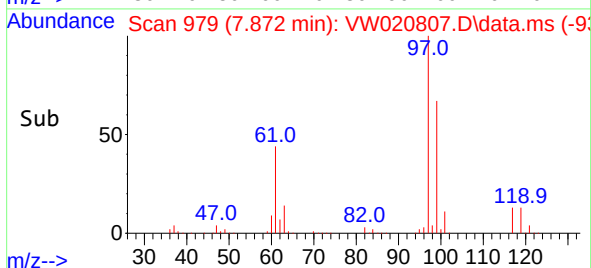
Supervised By :Mahesh
Dadoda
11/17/2021

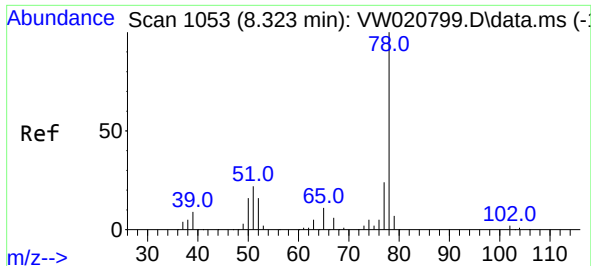


#30
1,1,1-Trichloroethane
Concen: 254.661 ug/L
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42



Tgt Ion: 97 Resp: 817478
Ion Ratio Lower Upper
97 100
99 66.4 51.6 77.4
61 44.3 40.9 61.3





#33
Benzene
Concen: 9.437 ug/L
RT: 8.324 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

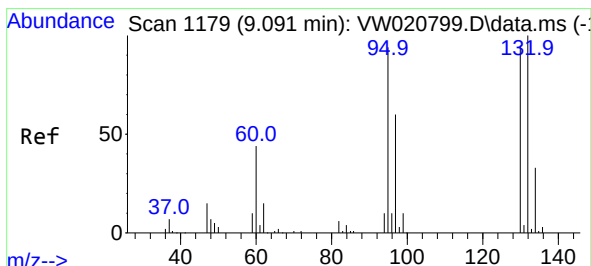
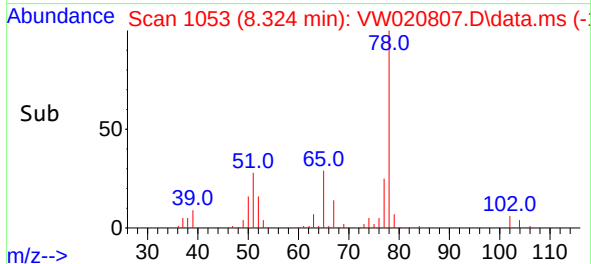
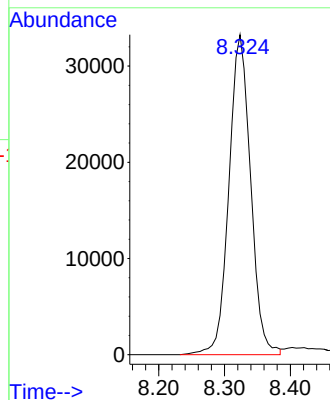
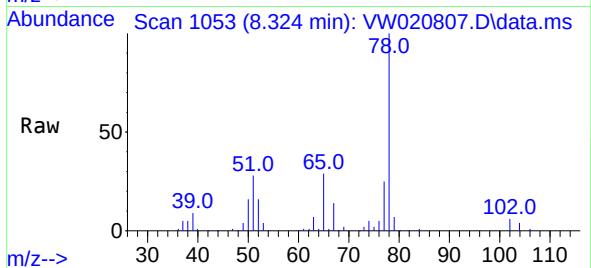
Instrument :
MSVOA_W
ClientSampleId :
GB7K4

Tgt Ion: 78 Resp: 7634

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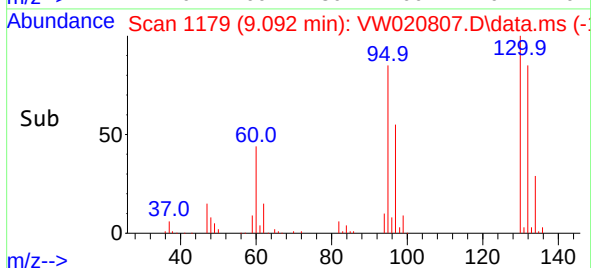
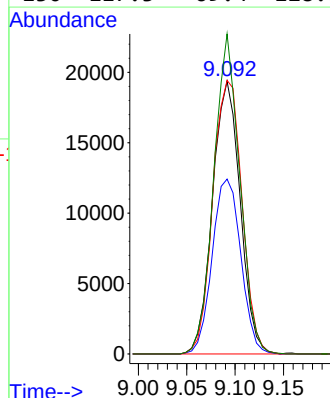
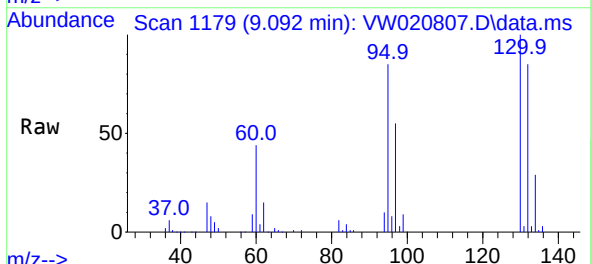
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

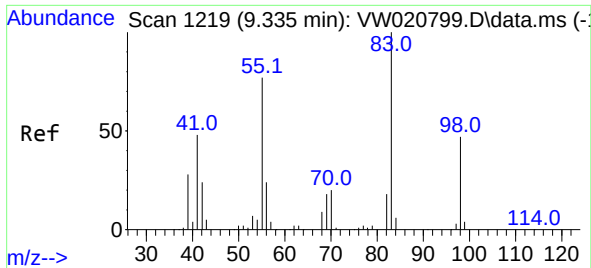
Supervised By :Mahesh
Dadoda
11/17/2021



#34
Trichloroethene
Concen: 17.907 ug/L
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

Tgt Ion: 95 Resp: 38561
Ion Ratio Lower Upper
95 100
97 64.1 47.0 87.2
132 100.3 65.5 121.6
130 117.3 69.4 128.8





#35

Methylcyclohexane

Concen: 1.107 ug/L

RT: 9.336 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW020807.D

Acq: 08 Nov 2021 13:42

Instrument :

MSVOA_W

ClientSampleId :

GB7K4

Tgt Ion: 83 Resp: 4160

Ion Ratio Lower Upper

83 100

55 109.6 70.8 106.2

98 57.3 37.7 56.5

Manual Integrations

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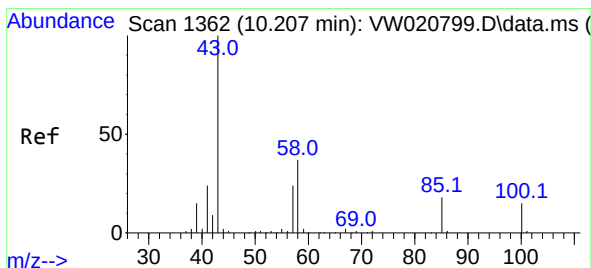
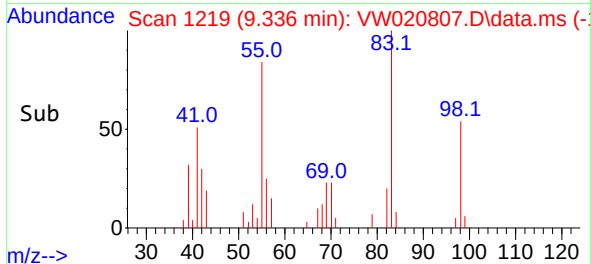
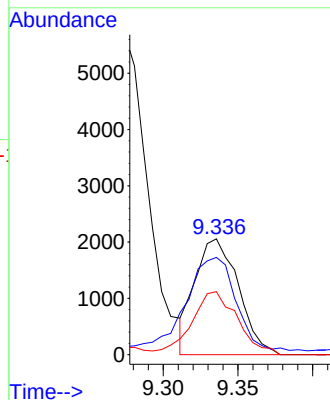
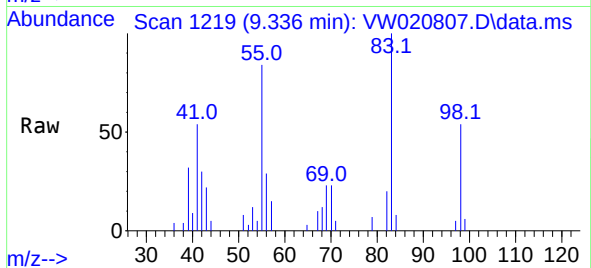
Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021

Supervised By :Mahesh

Dadoda

11/17/2021



#40

4-Methyl-2-pentanone

Concen: 137.934 ug/L

RT: 10.220 min Scan# 1364

Delta R.T. 0.012 min

Lab File: VW020807.D

Acq: 08 Nov 2021 13:42

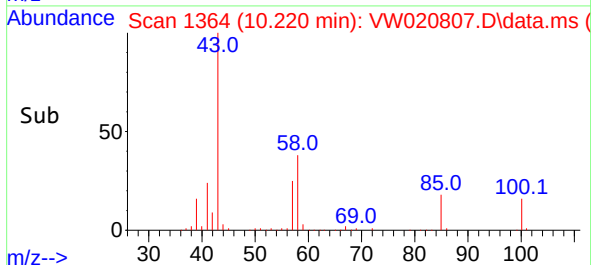
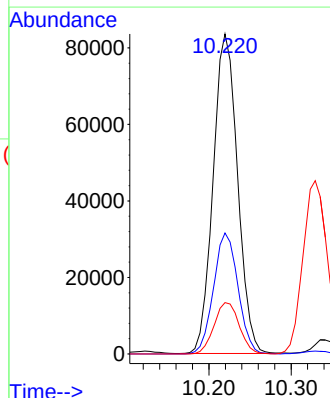
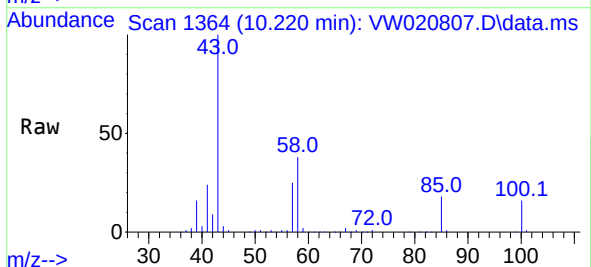
Tgt Ion: 43 Resp: 172667

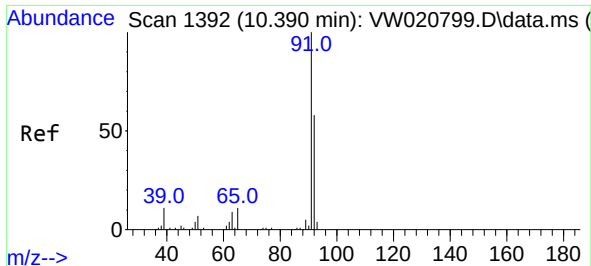
Ion Ratio Lower Upper

43 100

58 37.8 28.8 43.2

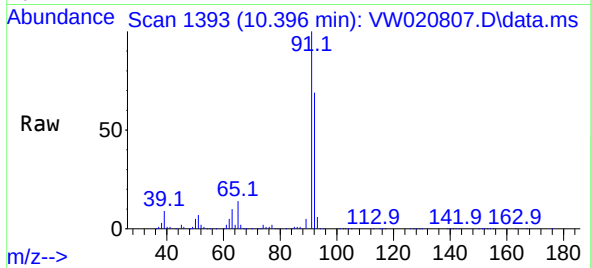
100 16.6 10.0 15.0





#42
Toluene
Concen: 2616.159 ug/L m
RT: 10.396 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

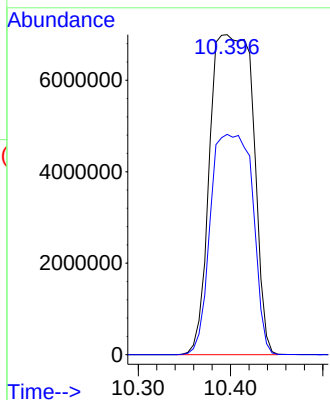
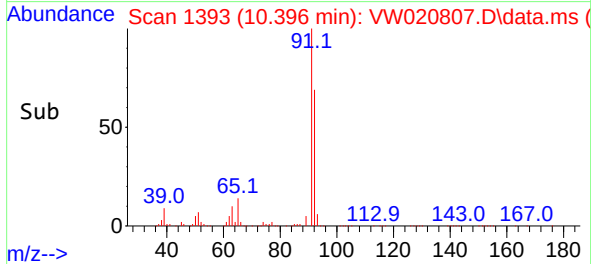
Instrument :
MSVOA_W
ClientSampleId :
GB7K4



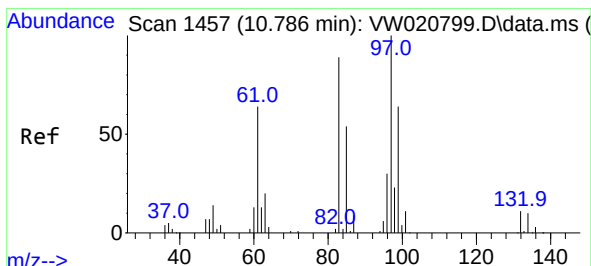
Tgt Ion: 91 Resp: 2275895
Ion Ratio Lower Upper
91 100
92 68.8 41.7 77.5

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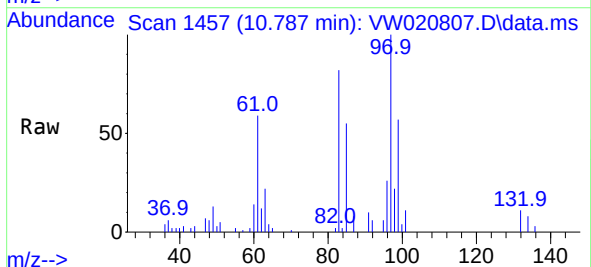
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



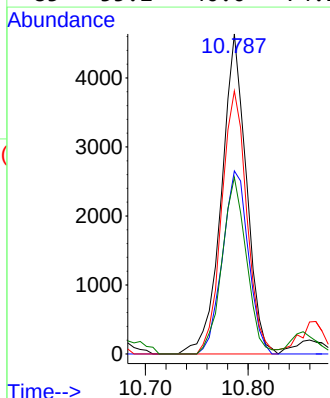
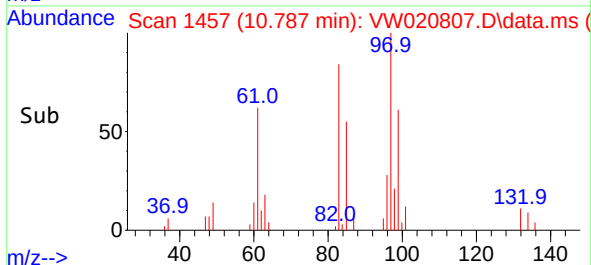
Supervised By :Mahesh
Dadoda
11/17/2021

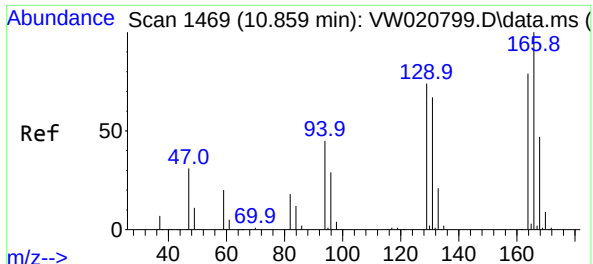


#45
1,1,2-Trichloroethane
Concen: 5.490 ug/L
RT: 10.787 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42



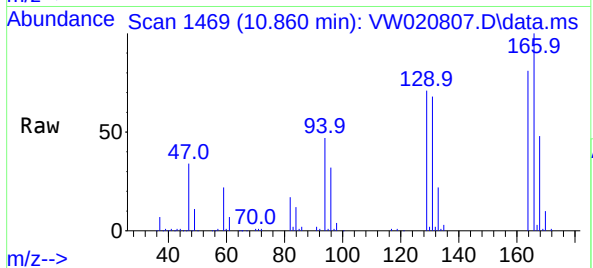
Tgt Ion: 97 Resp: 7804
Ion Ratio Lower Upper
97 100
99 57.2 43.0 79.8
83 82.2 62.6 116.3
85 55.2 40.0 74.2





#46
Tetrachloroethene
Concen: 19.300 ug/L
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

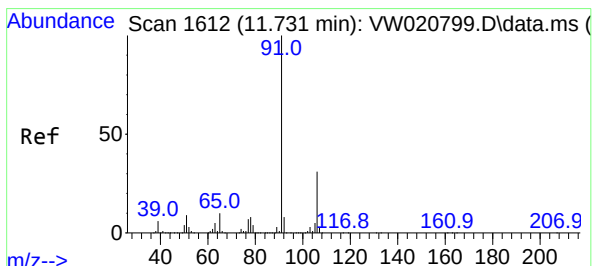
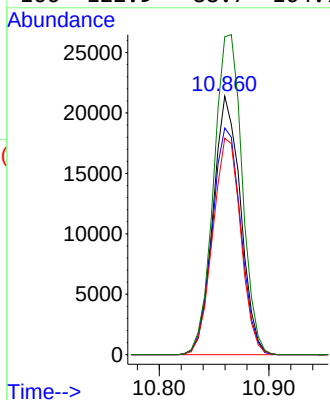
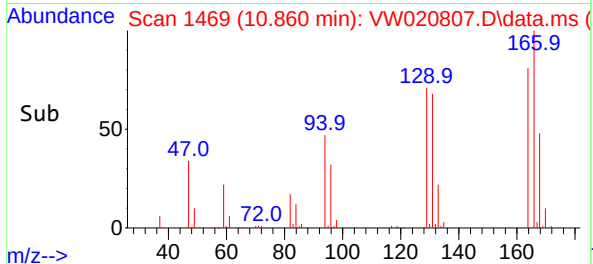


Tgt Ion:164 Resp: 3727
Ion Ratio Lower Upper
164 100
129 87.7 65.5 121.7
131 83.7 59.7 110.9
166 122.9 88.7 164.7

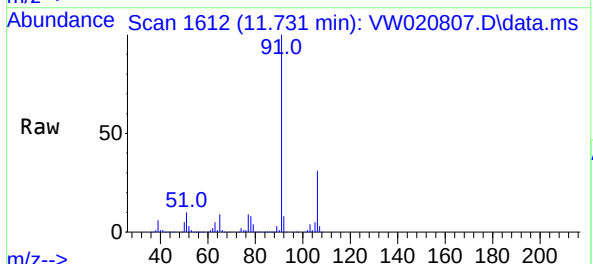
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

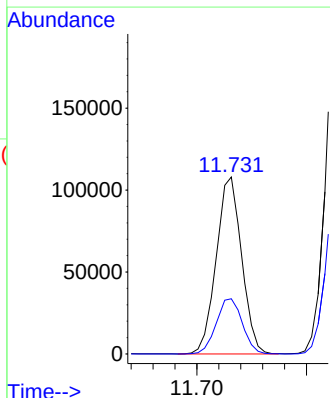
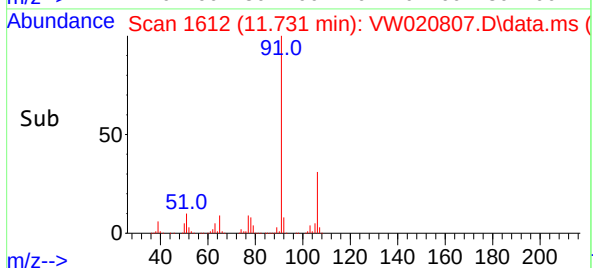
Supervised By :Mahesh
Dadoda
11/17/2021

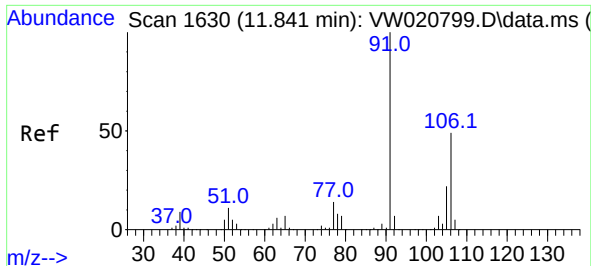


#52
Ethylbenzene
Concen: 17.846 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42



Tgt Ion: 91 Resp: 173939
Ion Ratio Lower Upper
91 100
106 31.2 21.5 39.9





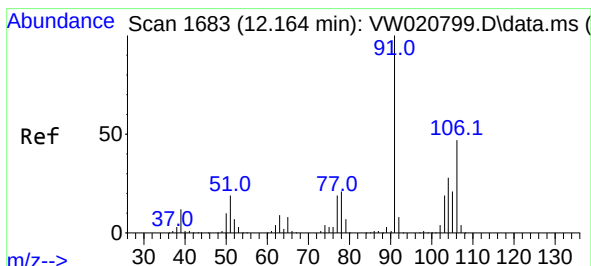
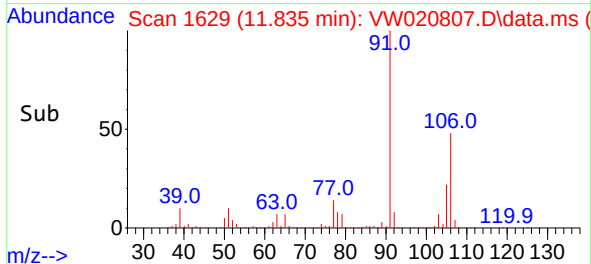
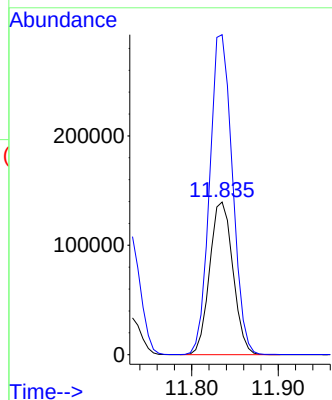
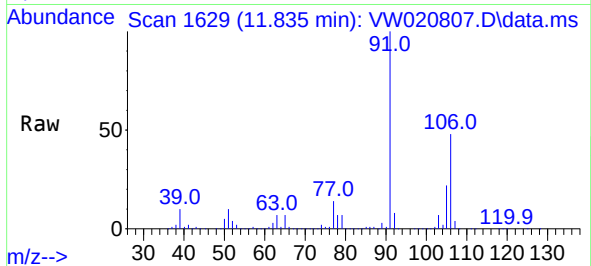
#53
m,p-Xylene
Concen: 66.676 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

Tgt Ion:106 Resp: 260380
Ion Ratio Lower Upper
106 100
91 209.7 149.9 278.3

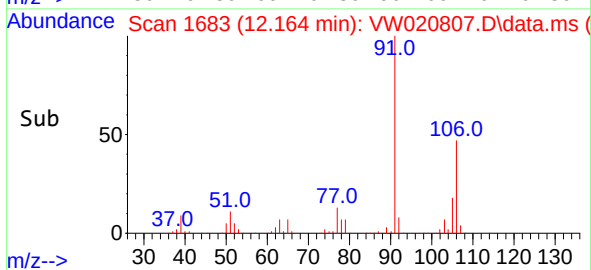
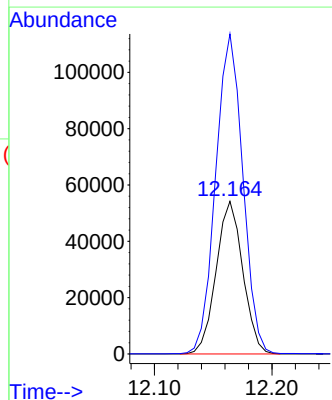
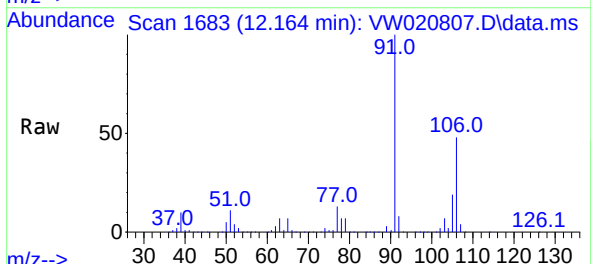
Manual Integrations
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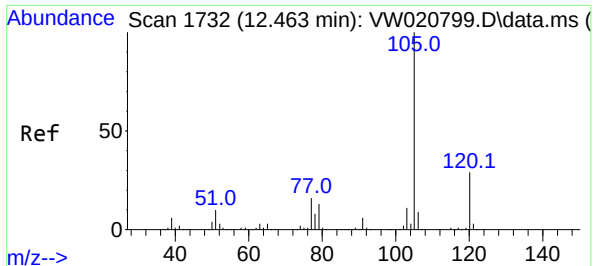
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#54
o-Xylene
Concen: 23.132 ug/L
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

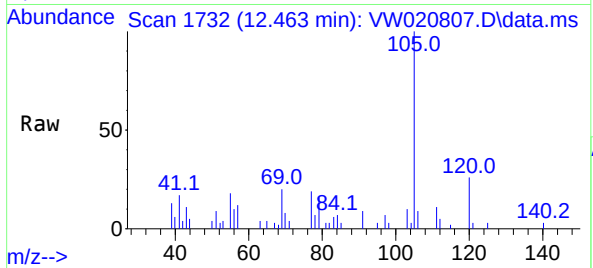
Tgt Ion:106 Resp: 85572
Ion Ratio Lower Upper
106 100
91 209.5 153.6 285.3





#60
Isopropylbenzene
Concen: 0.561 ug/L
RT: 12.463 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

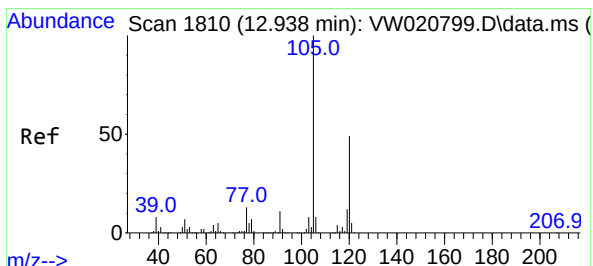
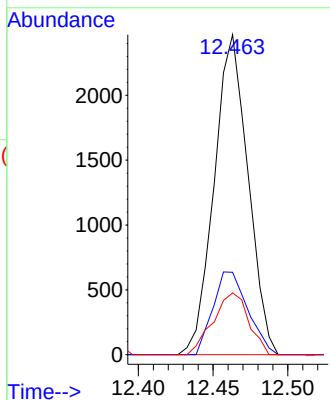
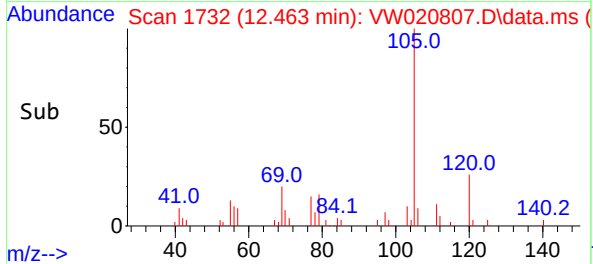


Tgt Ion:105 Resp: 388
Ion Ratio Lower Upper
105 100
120 26.7 20.1 30.1
77 20.3 13.8 20.8

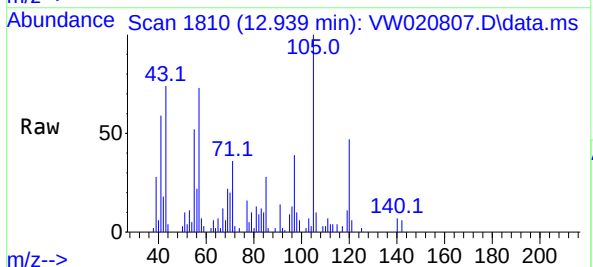
Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

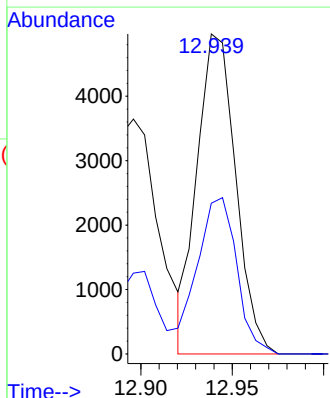
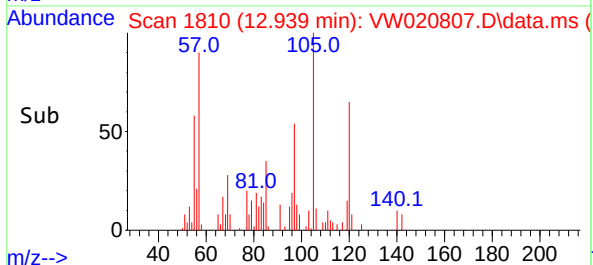
Supervised By :Mahesh
Dadoda
11/17/2021

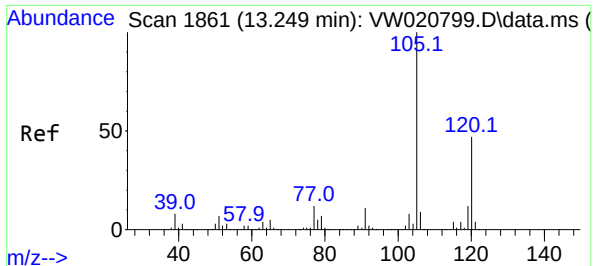


#62
1,3,5-Trimethylbenzene
Concen: 1.227 ug/L
RT: 12.939 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42



Tgt Ion:105 Resp: 7293
Ion Ratio Lower Upper
105 100
120 51.3 37.4 56.2





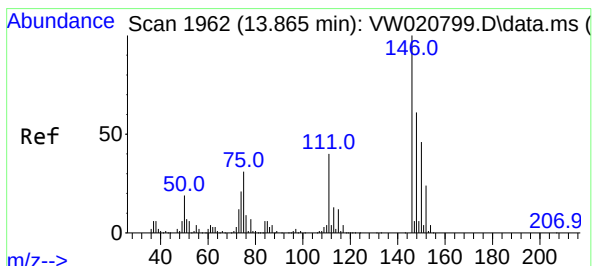
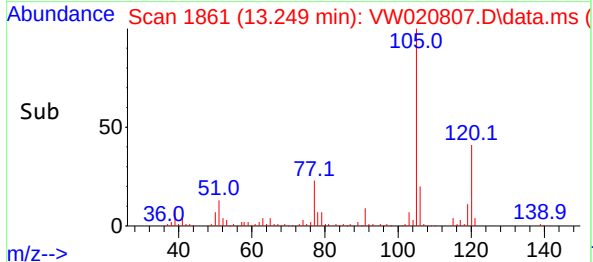
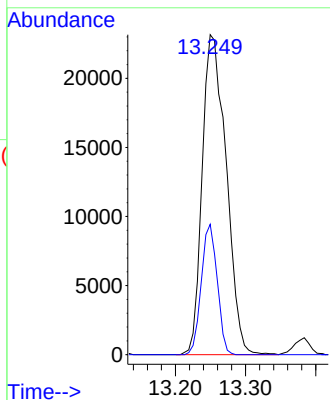
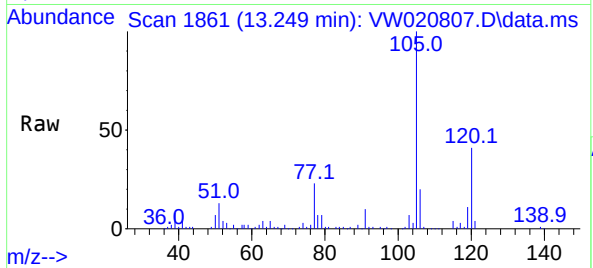
#63
1,2,4-Trimethylbenzene
Concen: 9.317 ug/L m
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

Instrument :
MSVOA_W
ClientSampleId :
GB7K4

Tgt Ion:105 Resp: 5500
Ion Ratio Lower Upper
105 100
120 6.8 35.0 52.6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#67
1,2-Dichlorobenzene
Concen: 2.451 ug/L
RT: 13.865 min Scan# 1962
Delta R.T. 0.000 min
Lab File: VW020807.D
Acq: 08 Nov 2021 13:42

Tgt Ion:146 Resp: 6943
Ion Ratio Lower Upper
146 100
111 44.0 33.1 49.7
148 63.7 47.4 71.2

