

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110821\
 Data File : VW020814.D
 Acq On : 08 Nov 2021 16:32
 Operator : SY/VA
 Sample : M4464-12
 Misc : 7.42g/10.0mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 GB7L0

Manual Integrations
 APPROVED

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

Quant Time: Nov 15 01:53:32 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

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	194967	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.634	117	191289	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	104103	25.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.349	65	43808	23.898	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.600%
7) Chloroethane-d5	2.885	69	23950	22.945	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.800%
11) 1,1-Dichloroethene-d2	4.037	63	109281	28.402	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	113.600%#
21) 2-Butanone-d5	7.110	46	28571	46.931	ug/L	0.04
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.860%
24) Chloroform-d	7.646	84	86298	19.921	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	79.680%
26) 1,2-Dichloroethane-d4	8.305	65	51676	22.407	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.640%
32) Benzene-d6	8.274	84	177505	20.538	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.160%
36) 1,2-Dichloropropane-d6	9.274	67	56331	21.052	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.200%
41) Toluene-d8	10.329	98	184337	21.924	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.680%
43) trans-1,3-Dichloroprop...	10.579	79	29751	22.417	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.680%
47) 2-Hexanone-d5	10.926	63	26741	49.391	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.780%
56) 1,1,2,2-Tetrachloroeth...	12.694	84	52031	23.463	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.840%
66) 1,2-Dichlorobenzene-d4	13.853	152	73899	22.588	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	90.360%

Target Compounds

						Qvalue
5) Vinyl chloride	2.355	62	9636	3.211	ug/L #	60
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	10165	3.884	ug/L	94
12) 1,1-Dichloroethene	4.043	96	112652	45.162	ug/L #	67
13) Acetone	4.117	43	2079518	3670.418	ug/L	93
14) Carbon disulfide	4.385	76	15940	2.117	ug/L	95
17) trans-1,2-Dichloroethene	5.427	96	64368	24.276	ug/L	90
19) 1,1-Dichloroethane	6.220	63	1738770	378.639	ug/L	99
20) cis-1,2-Dichloroethene	7.165	96	13029699m	4661.720	ug/L	
27) 1,2-Dichloroethane	8.402	62	33263	10.748	ug/L #	93
29) Cyclohexane	7.945	56	28108	5.632	ug/L #	86
30) 1,1,1-Trichloroethane	7.878	97	13435	2.955	ug/L	95
33) Benzene	8.323	78	102401	8.938	ug/L	100
34) Trichloroethene	9.091	95	6111	2.004	ug/L	87
35) Methylcyclohexane	9.335	83	103549	19.458	ug/L	98
40) 4-Methyl-2-pentanone	10.213	43	371110	209.347	ug/L #	96
42) Toluene	10.396	91	17443146	1415.917	ug/L	89
45) 1,1,2-Trichloroethane	10.768	97	11339	5.633	ug/L #	39
46) Tetrachloroethene	10.865	164	2410	0.881	ug/L	89
52) Ethylbenzene	11.731	91	36447	2.641	ug/L	97

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 Quant Title : SFAM01.0
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	11.835	106	41167	7.444	ug/L	89
54) o-Xylene	12.164	106	16884	3.223	ug/L	92
60) Isopropylbenzene	12.463	105	17475	1.218	ug/L	95
62) 1,3,5-Trimethylbenzene	12.944	105	141402	11.468	ug/L	95
63) 1,2,4-Trimethylbenzene	13.249	105	278374	22.728	ug/L	100

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 Supervised By :Mahesh
 Dadoda

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

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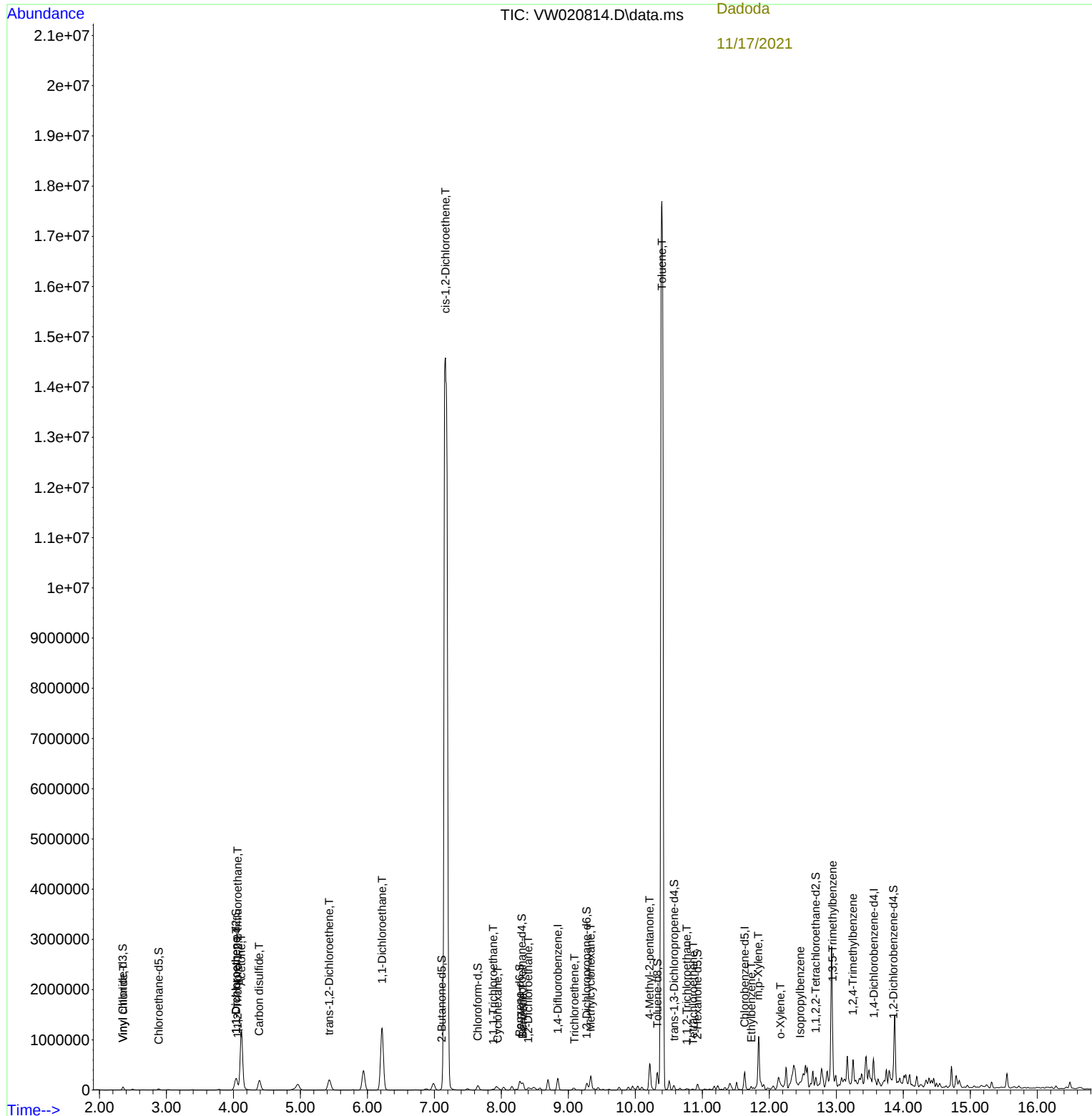
Quant Time: Nov 15 01:53:32 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110621SMA.M
Quant Title : SFAM01.0
QLast Update : Mon Nov 15 00:29:21 2021
Response via : Initial Calibration

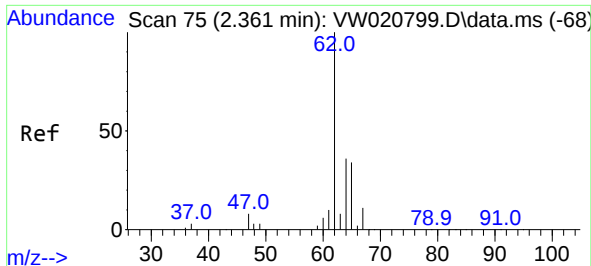
Manual Integrations
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Supervised By :Mahesh Dadoda 11/17/2021

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Dadoda

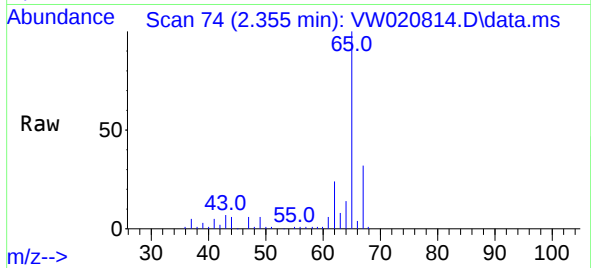
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#5
 Vinyl chloride
 Concen: 3.211 ug/L
 RT: 2.355 min Scan# 74
 Delta R.T. -0.006 min
 Lab File: VW020814.D
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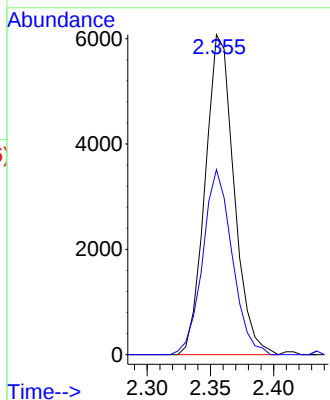
Instrument :
 MSVOA_W
 ClientSampleId :
 GB7L0



Tgt Ion: 62 Resp: 963
 Ion Ratio Lower Upper
 62 100
 64 57.9 24.4 45.2

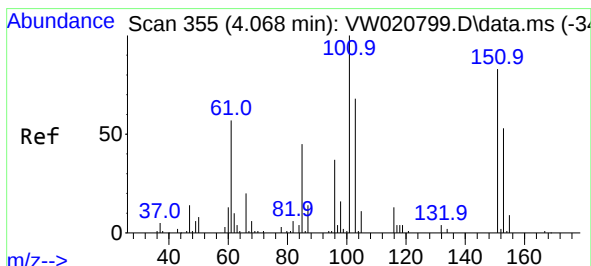
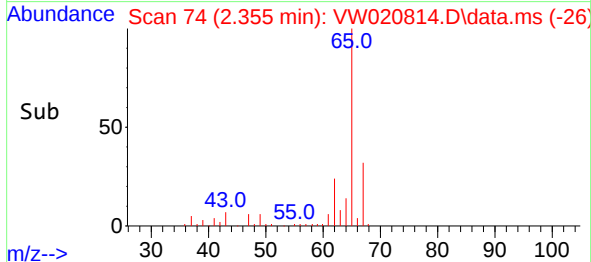
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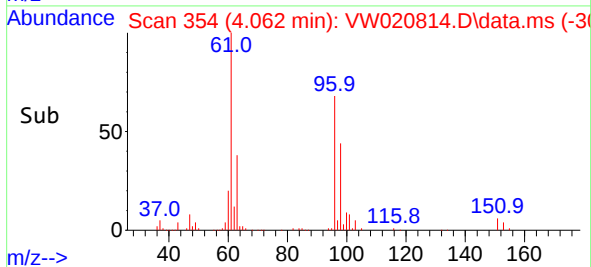
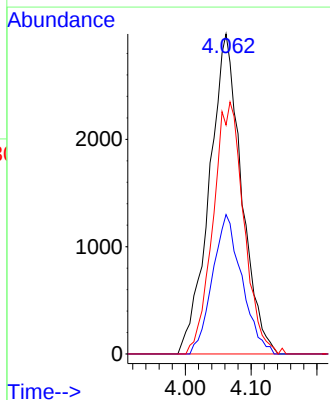
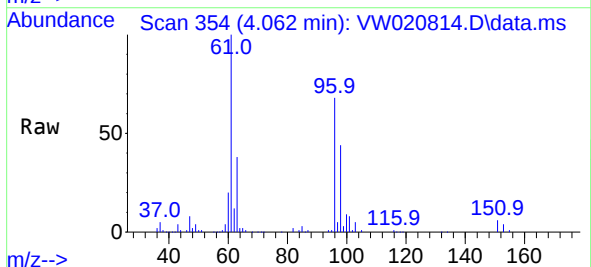
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 Dadoda

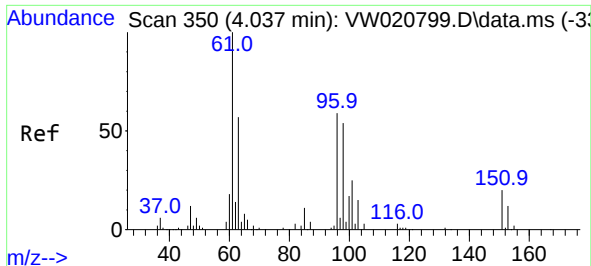
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#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.884 ug/L
 RT: 4.062 min Scan# 354
 Delta R.T. -0.006 min
 Lab File: VW020814.D
 Acq: 08 Nov 2021 16:32

Tgt Ion:101 Resp: 10165
 Ion Ratio Lower Upper
 101 100
 85 39.8 36.6 54.8
 151 74.9 57.4 86.0





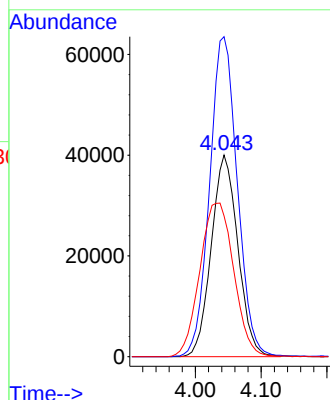
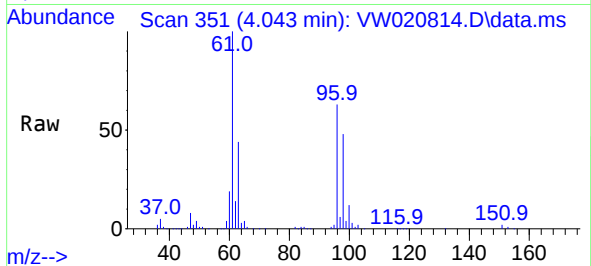
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1,1-Dichloroethene
Concen: 45.162 ug/L
RT: 4.043 min Scan# 311
Delta R.T. 0.006 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

Tgt Ion: 96 Resp: 112652
Ion Ratio Lower Upper
96 100
61 158.8 138.3 256.9
63 69.8 82.6 153.4

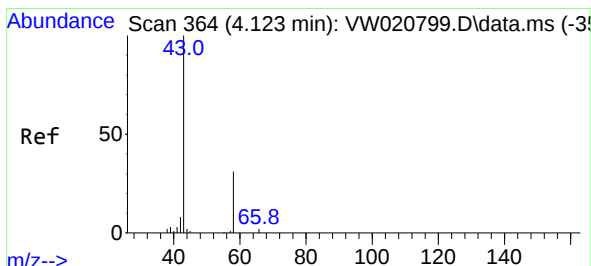
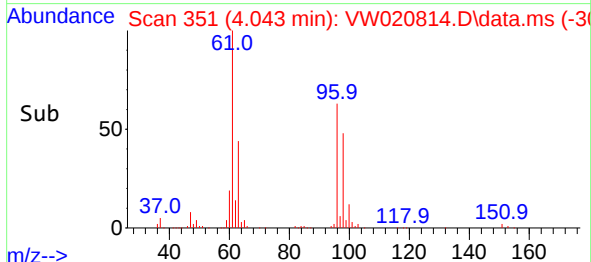
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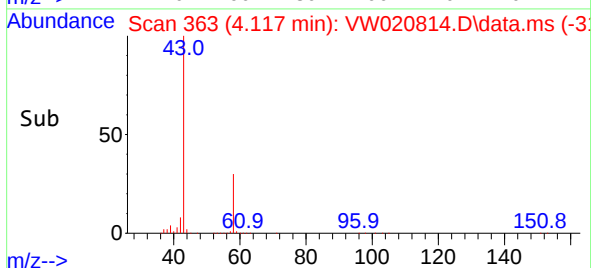
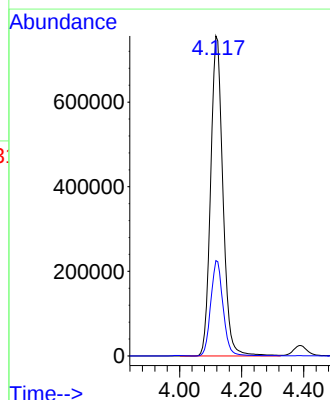
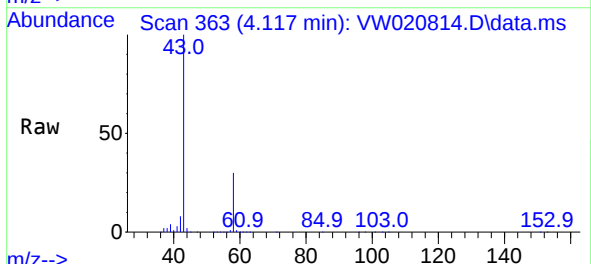
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Dadoda

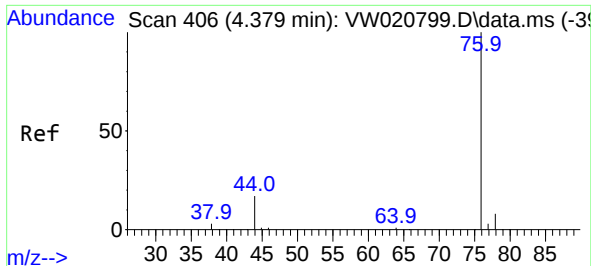
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#13
Acetone
Concen: 3670.418 ug/L
RT: 4.117 min Scan# 363
Delta R.T. -0.006 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32

Tgt Ion: 43 Resp: 2079518
Ion Ratio Lower Upper
43 100
58 29.9 0.0 52.8





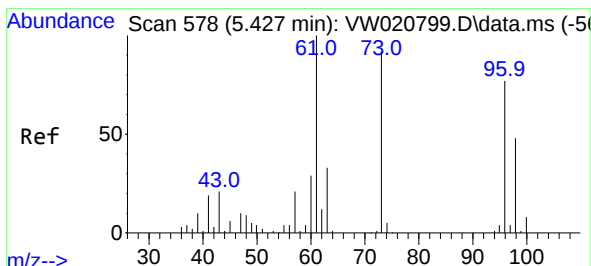
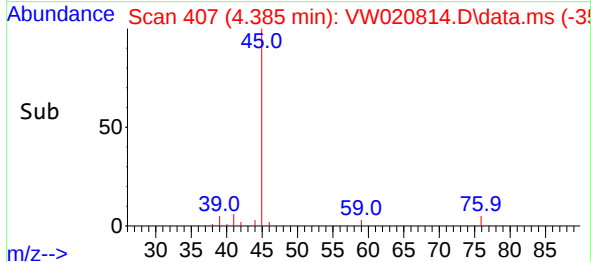
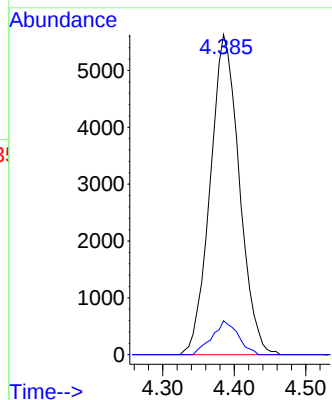
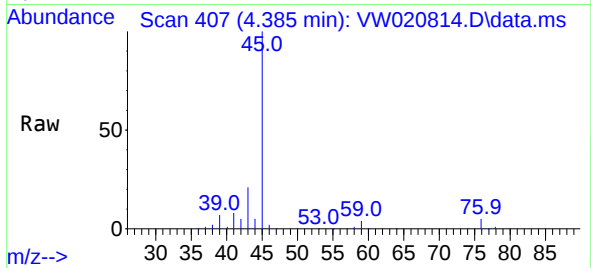
#14
Carbon disulfide
Concen: 2.117 ug/L
RT: 4.385 min Scan# 406
Delta R.T. 0.006 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

Tgt Ion: 76 Resp: 15940
Ion Ratio Lower Upper
76 100
78 10.6 7.1 10.7

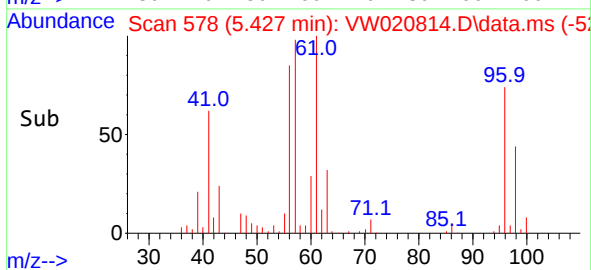
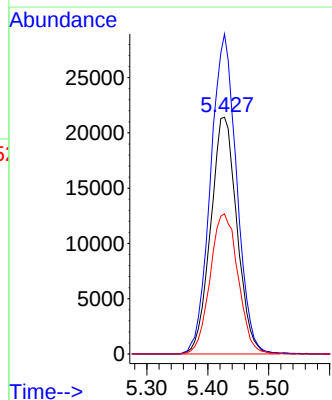
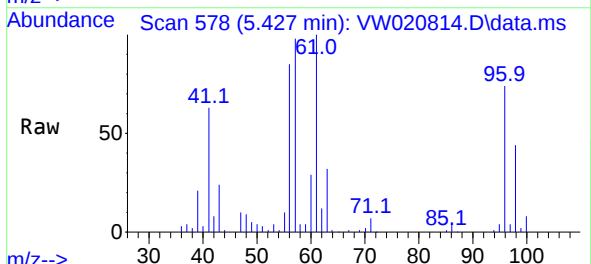
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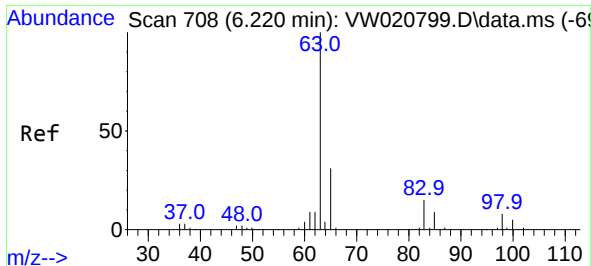
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#17
trans-1,2-Dichloroethene
Concen: 24.276 ug/L
RT: 5.427 min Scan# 578
Delta R.T. -0.000 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32

Tgt Ion: 96 Resp: 64368
Ion Ratio Lower Upper
96 100
61 135.2 107.4 199.4
98 59.2 41.2 76.6





#19

1,1-Dichloroethane

Concen: 378.639 ug/L

RT: 6.220 min Scan# 708

Delta R.T. -0.000 min

Lab File: VW020814.D

Acq: 08 Nov 2021 16:32

Instrument :

MSVOA_W

ClientSampleId :

GB7L0

Tgt Ion: 63 Resp: 1738770

Ion Ratio Lower Upper

63 100

65 31.9 22.1 41.1

83 14.4 9.2 17.2

Manual Integrations

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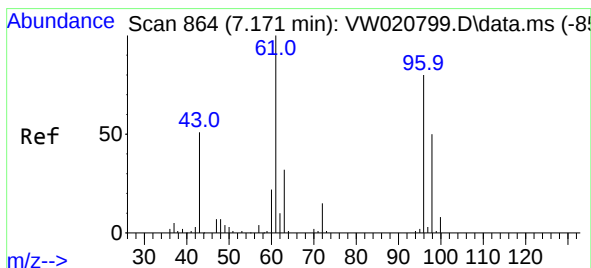
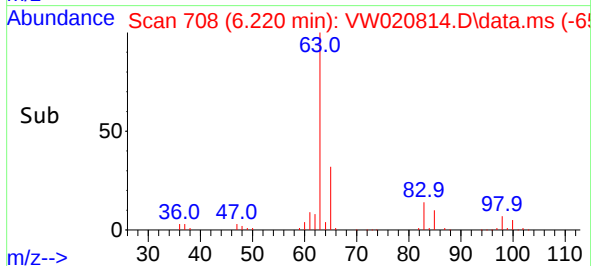
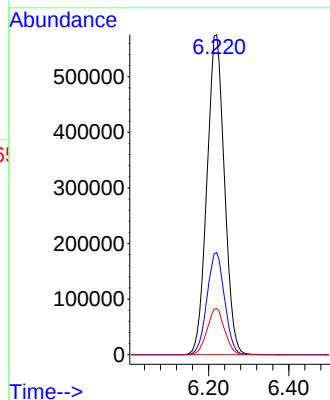
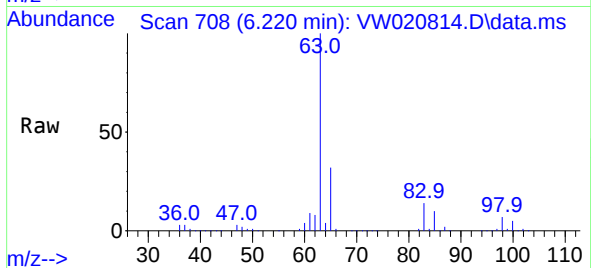
Reviewed By :Semsettin Yesilyurt 11/15/2021

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Dadoda

11/17/2021



#20

cis-1,2-Dichloroethene

Concen: 4661.720 ug/L m

RT: 7.165 min Scan# 863

Delta R.T. -0.006 min

Lab File: VW020814.D

Acq: 08 Nov 2021 16:32

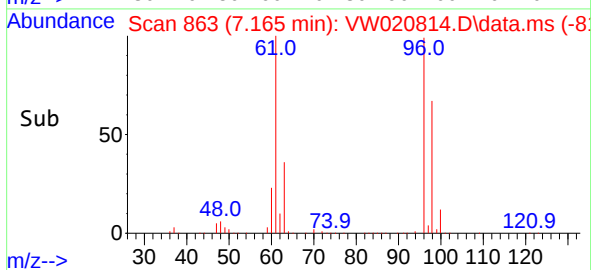
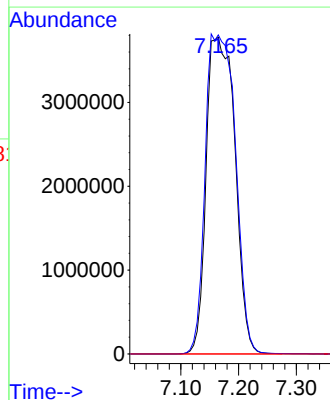
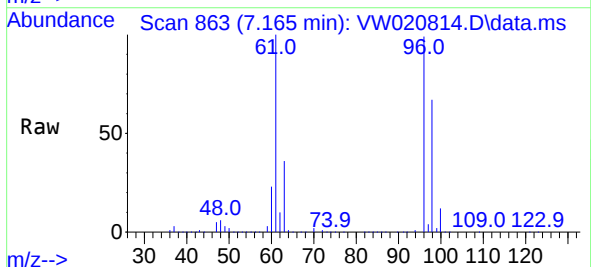
Tgt Ion: 96 Resp:13029699

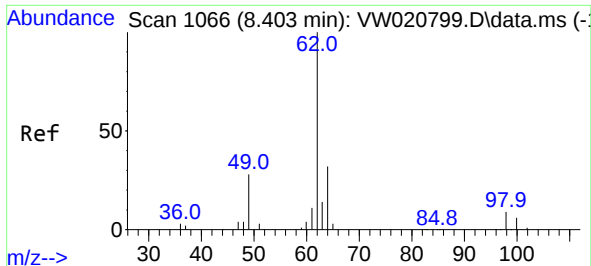
Ion Ratio Lower Upper

96 100

61 100.8 103.7 192.7#

68 0.0 0.0 0.0#





#27

1,2-Dichloroethane

Concen: 10.748 ug/L

RT: 8.402 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VW020814.D

Acq: 08 Nov 2021 16:32

Instrument :

MSVOA_W

ClientSampleId :

GB7L0

Tgt Ion: 62 Resp: 3326

Ion Ratio Lower Upper

62 100

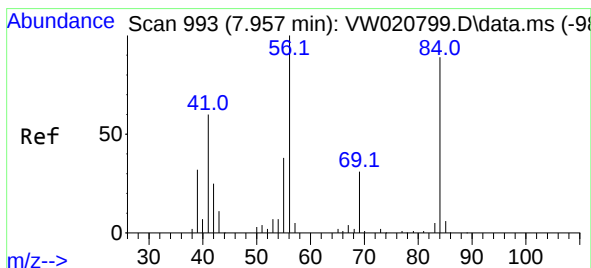
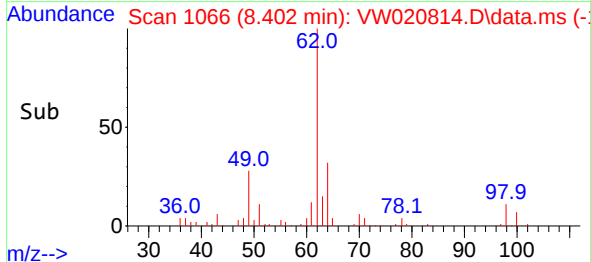
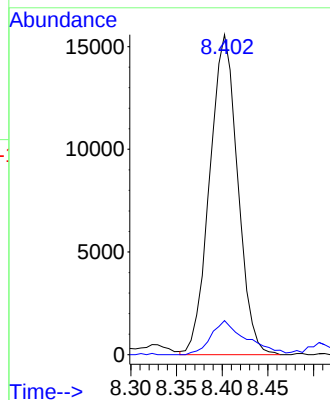
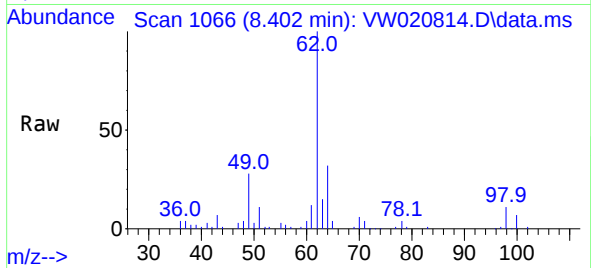
98 10.7 6.5 9.7

Manual Integrations

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#29

Cyclohexane

Concen: 5.632 ug/L

RT: 7.945 min Scan# 991

Delta R.T. -0.012 min

Lab File: VW020814.D

Acq: 08 Nov 2021 16:32

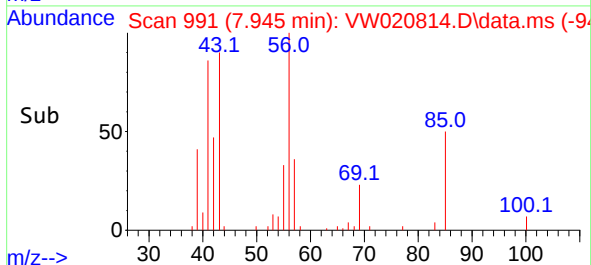
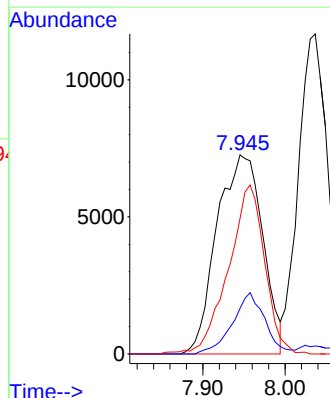
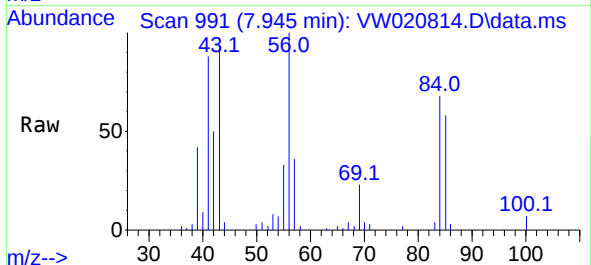
Tgt Ion: 56 Resp: 28108

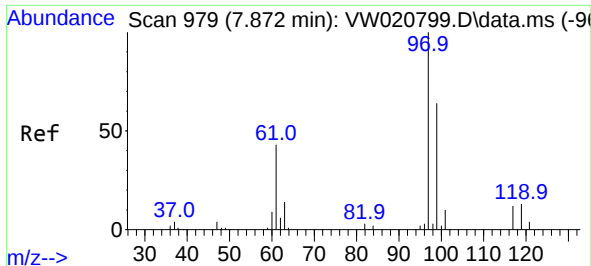
Ion Ratio Lower Upper

56 100

69 21.9 23.5 35.3

84 67.0 63.4 95.2





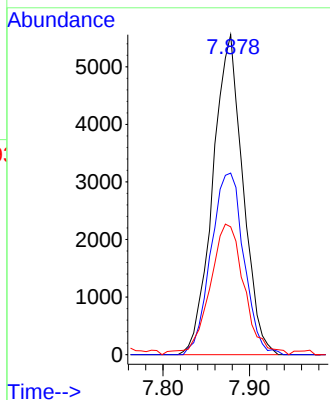
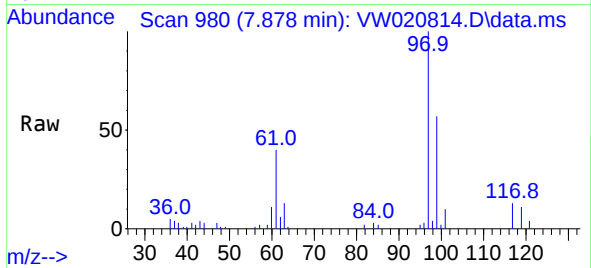
#30
1,1,1-Trichloroethane
Concen: 2.955 ug/L
RT: 7.878 min Scan# 979
Delta R.T. 0.006 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32

Instrument :
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ClientSampleId :
GB7L0

Tgt Ion: 97 Resp: 1343
Ion Ratio Lower Upper
97 100
99 61.6 51.6 77.4
61 46.3 40.9 61.3

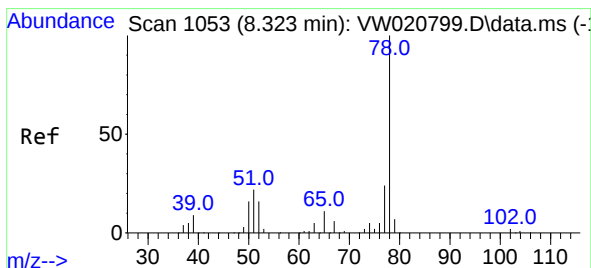
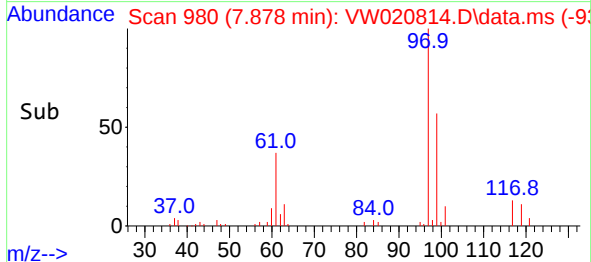
Manual Integrations
APPROVED

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



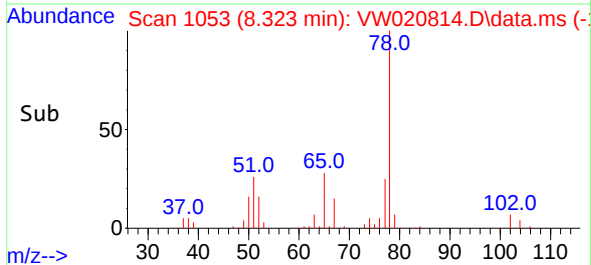
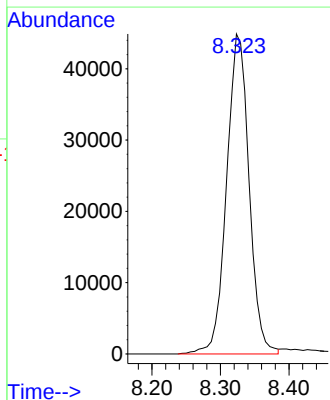
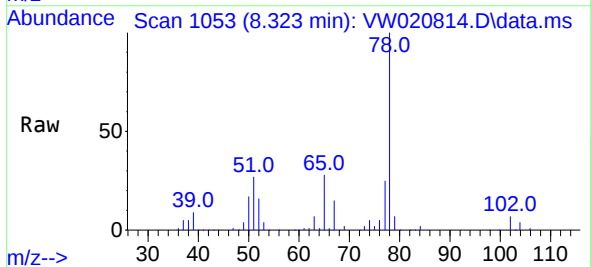
11/15/2021
Supervised By :Mahesh
Dadoda

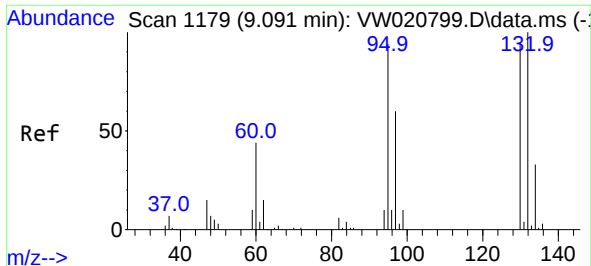
11/17/2021



#33
Benzene
Concen: 8.938 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32

Tgt Ion: 78 Resp: 102401





#34

Trichloroethene

Concen: 2.004 ug/L

RT: 9.091 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VW020814.D

Acq: 08 Nov 2021 16:32

Instrument :

MSVOA_W

ClientSampleId :

GB7L0

Tgt Ion: 95 Resp: 611

Ion Ratio Lower Upper

95 100

97 82.3 47.0 87.2

132 105.2 65.5 121.6

130 108.9 69.4 128.8

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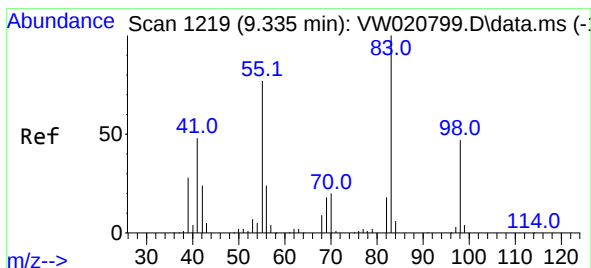
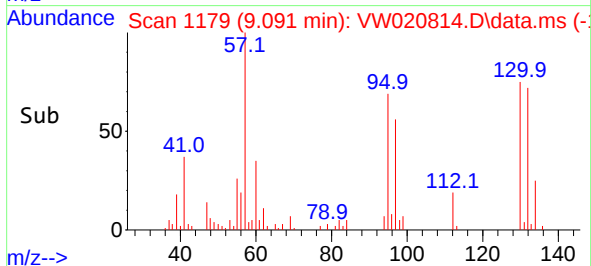
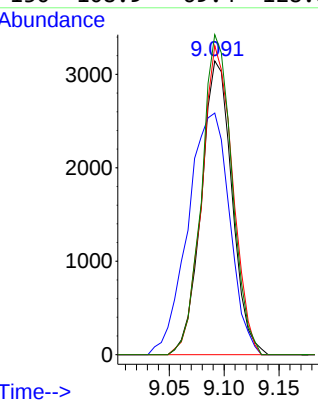
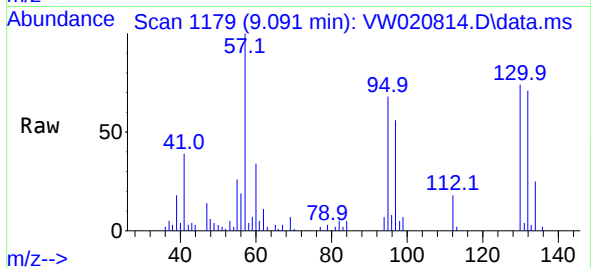
Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021

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Supervised By :Mahesh
Dadoda

11/17/2021



#35

Methylcyclohexane

Concen: 19.458 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW020814.D

Acq: 08 Nov 2021 16:32

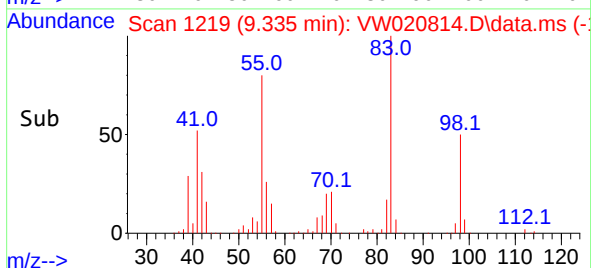
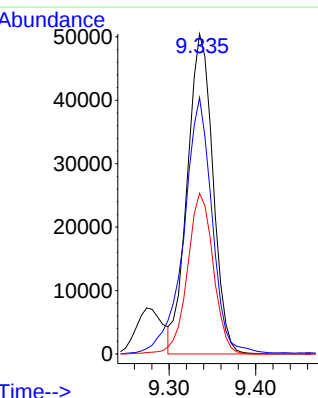
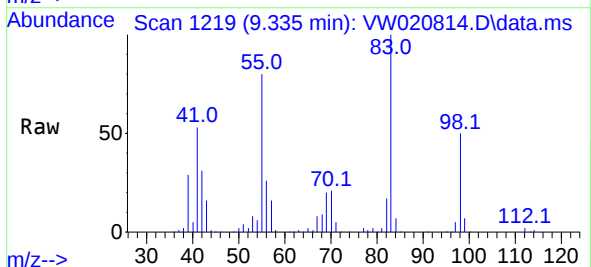
Tgt Ion: 83 Resp: 103549

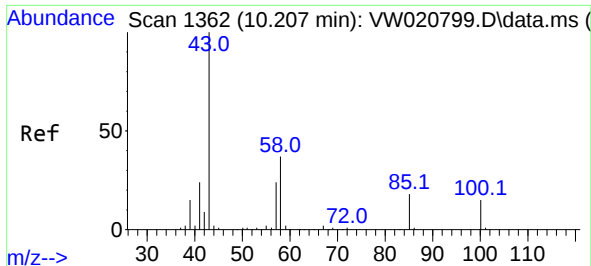
Ion Ratio Lower Upper

83 100

55 89.0 70.8 106.2

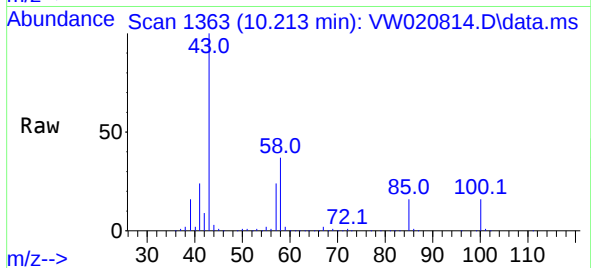
98 50.8 37.7 56.5





#40
4-Methyl-2-pentanone
Concen: 209.347 ug/L
RT: 10.213 min Scan# 1363
Delta R.T. 0.006 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32

Instrument :
MSVOA_W
ClientSampleId :
GB7L0



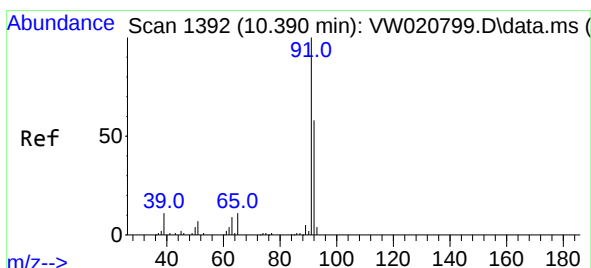
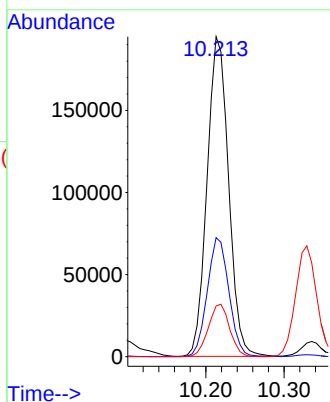
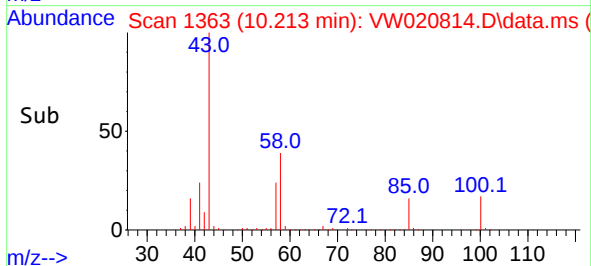
Tgt Ion: 43 Resp: 371110
Ion Ratio Lower Upper
43 100
58 37.5 28.8 43.2
100 16.3 10.0 15.0

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Supervised By :Mahesh Dadoda 11/17/2021

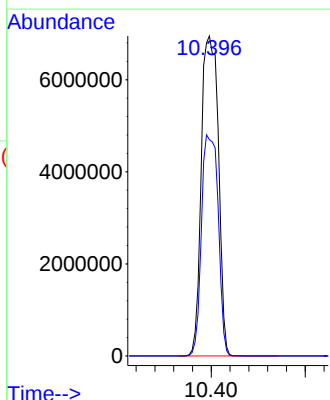
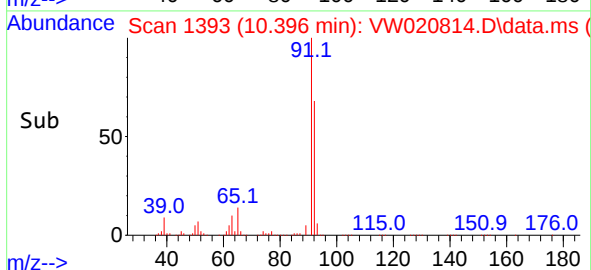
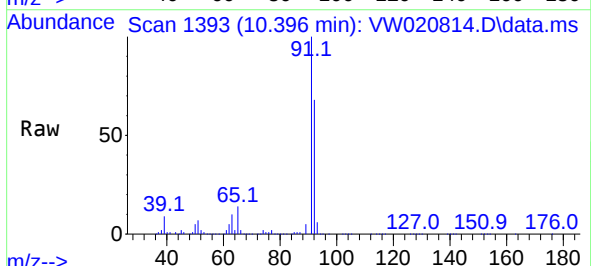
11/15/2021
Supervised By :Mahesh
Dadoda

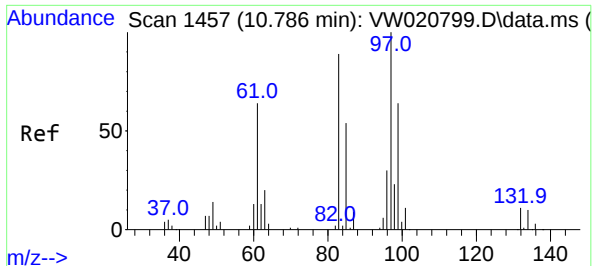
11/17/2021



#42
Toluene
Concen: 1415.917 ug/L
RT: 10.396 min Scan# 1393
Delta R.T. 0.006 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32

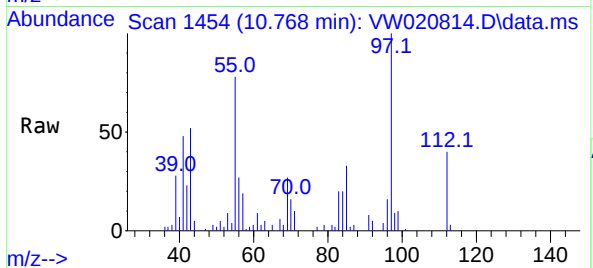
Tgt Ion: 91 Resp:17443146
Ion Ratio Lower Upper
91 100
92 67.6 41.7 77.5





#45
1,1,2-Trichloroethane
Concen: 5.633 ug/L
RT: 10.768 min Scan# 1457
Delta R.T. -0.018 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

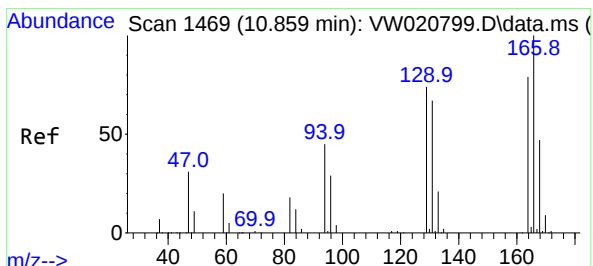
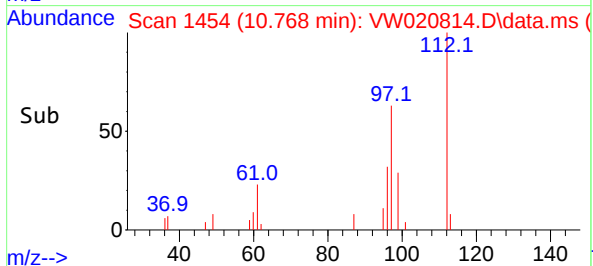
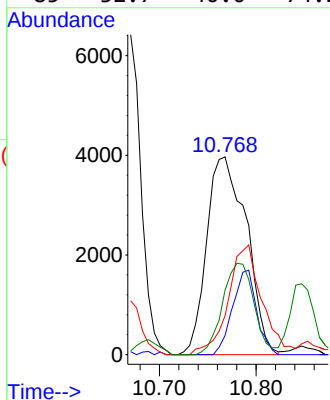


Tgt Ion: 97 Resp: 1133

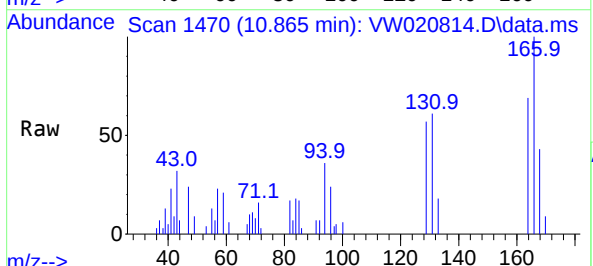
Ion	Ratio	Lower	Upper
97	100		
99	9.7	43.0	79.8
83	19.7	62.6	116.3
85	32.7	40.0	74.2

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Supervised By :Mahesh Dadoda 11/17/2021

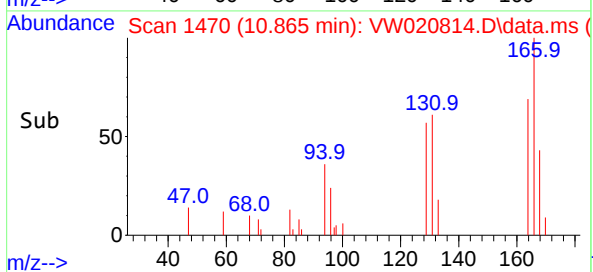
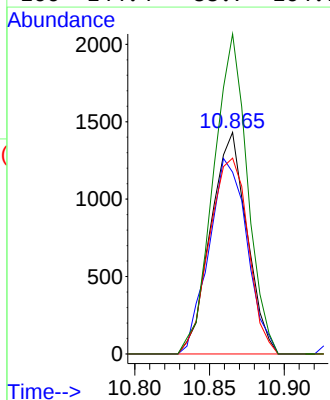


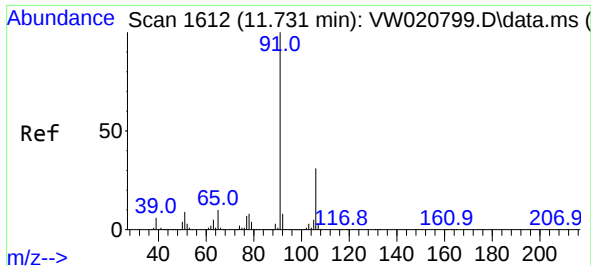
#46
Tetrachloroethene
Concen: 0.881 ug/L
RT: 10.865 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32



Tgt Ion:164 Resp: 2410

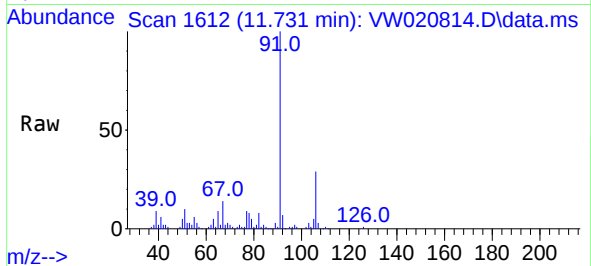
Ion	Ratio	Lower	Upper
164	100		
129	82.0	65.5	121.7
131	88.4	59.7	110.9
166	144.4	88.7	164.7





#52
Ethylbenzene
Concen: 2.641 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32

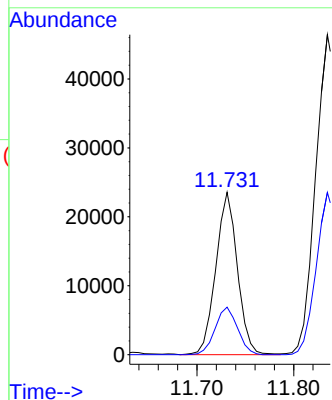
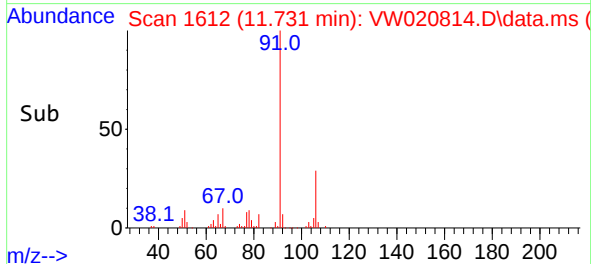
Instrument :
MSVOA_W
ClientSampleId :
GB7L0



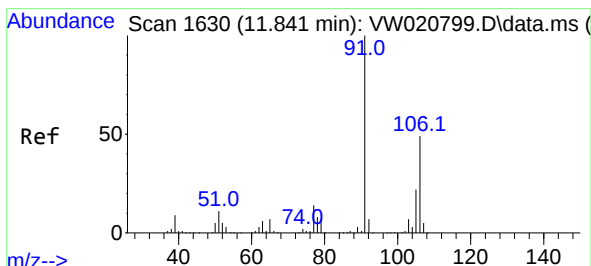
Tgt Ion: 91 Resp: 3644
Ion Ratio Lower Upper
91 100
106 29.3 21.5 39.9

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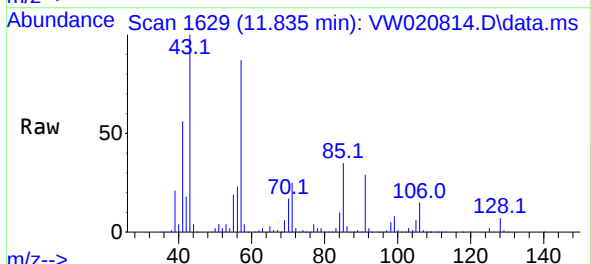
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



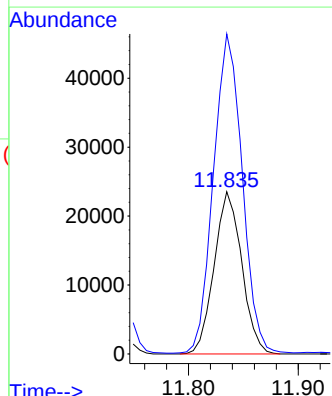
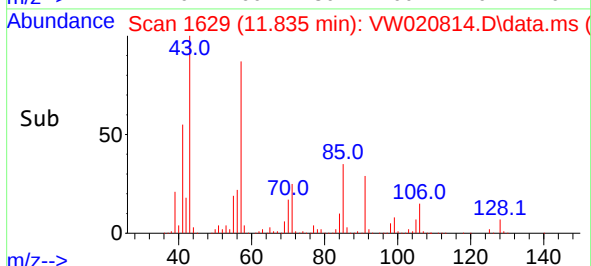
11/15/2021
Supervised By :Mahesh
Dadoda
11/17/2021

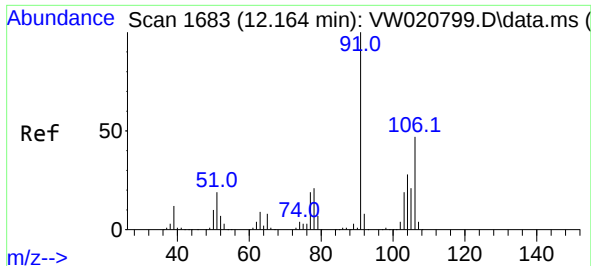


#53
m,p-Xylene
Concen: 7.444 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.006 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32



Tgt Ion:106 Resp: 41167
Ion Ratio Lower Upper
106 100
91 197.3 149.9 278.3





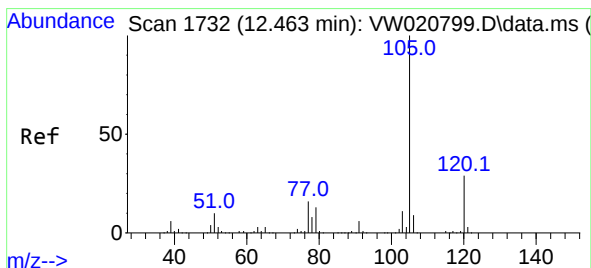
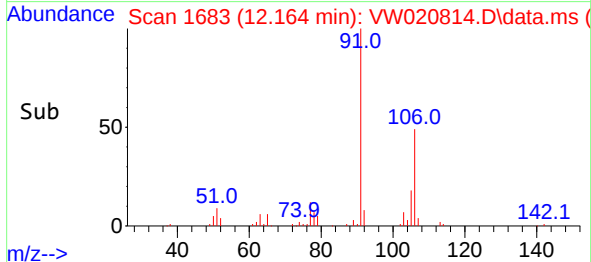
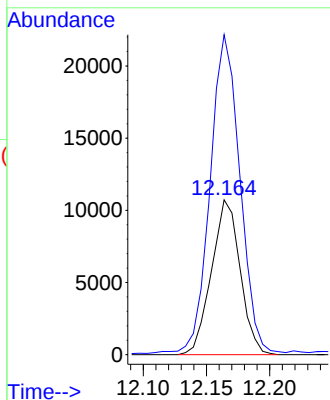
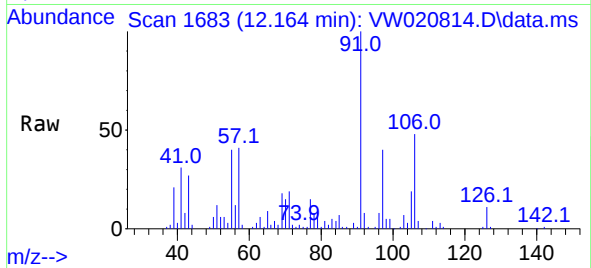
#54
o-Xylene
Concen: 3.223 ug/L
RT: 12.164 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32

Instrument :
MSVOA_W
ClientSampleId :
GB7L0

Tgt Ion:106 Resp: 1688
Ion Ratio Lower Upper
106 100
91 206.6 153.6 285.3

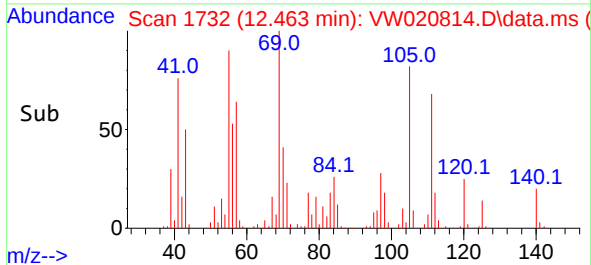
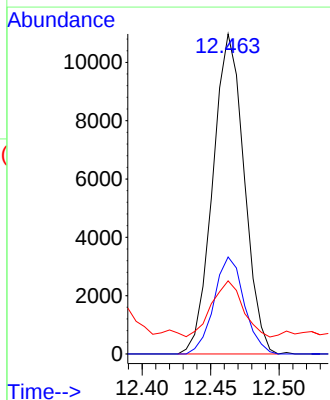
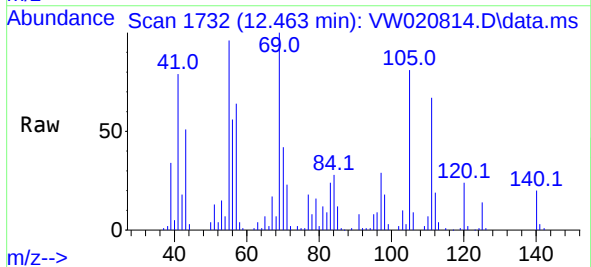
Manual Integrations
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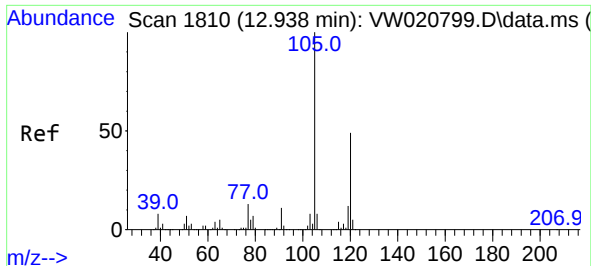
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#60
Isopropylbenzene
Concen: 1.218 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32

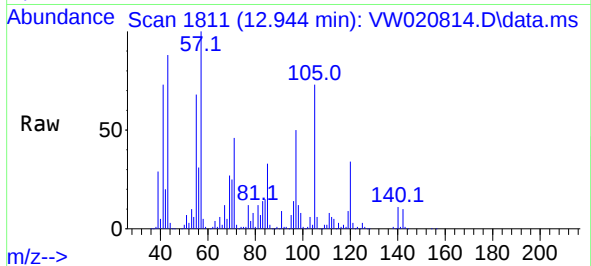
Tgt Ion:105 Resp: 17475
Ion Ratio Lower Upper
105 100
120 29.2 20.1 30.1
77 17.3 13.8 20.8





#62
1,3,5-Trimethylbenzene
Concen: 11.468 ug/L
RT: 12.944 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32

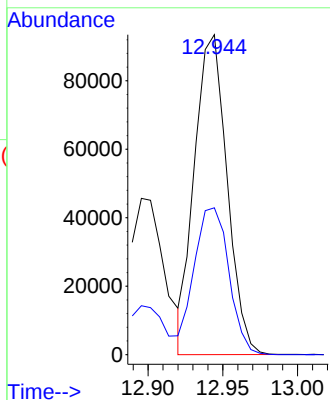
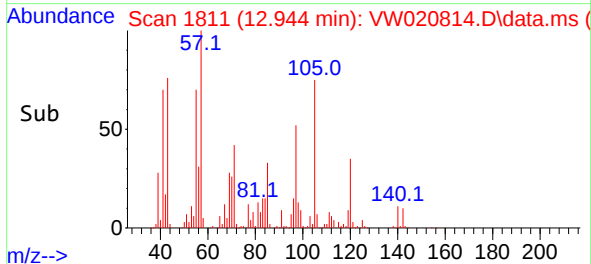
Instrument :
MSVOA_W
ClientSampleId :
GB7L0



Tgt Ion:105 Resp: 14140
Ion Ratio Lower Upper
105 100
120 50.3 37.4 56.2

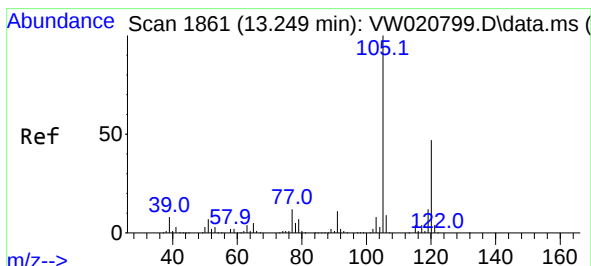
Manual Integrations
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Supervised By :Mahesh Dadoda 11/17/2021

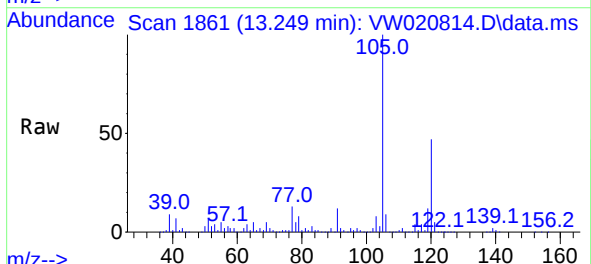


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Supervised By :Mahesh
Dadoda

11/17/2021



#63
1,2,4-Trimethylbenzene
Concen: 22.728 ug/L
RT: 13.249 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VW020814.D
Acq: 08 Nov 2021 16:32



Tgt Ion:105 Resp: 278374
Ion Ratio Lower Upper
105 100
120 43.5 35.0 52.6

