

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102522\
 Data File : VL039796.D
 Acq On : 25 Oct 2022 20:34
 Operator : SY/AP
 Sample : N5227-14
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 O

Quant Time: Oct 27 16:28:46 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Oct 24 20:00:55 2022

Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin
 Yesilyurt

10/28/2022

Supervised By : Mahesh
 Dadoda

10/31/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.202	49	762682	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2266940	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1981263	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.777 95 1432115 10.161 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.600%

Target Compounds

						Qvalue
9) Propene	2.710	41	256046	6.505	ppbv	87
10) Heptane	7.584	43	58271m	0.618	ppbv	
11) Trichlorofluoromethane	3.581	101	28388	0.254	ppbv	98
13) Ethanol	3.266	45	38982m	13.789	ppbv	
15) Acetone	3.485	43	1072671	11.775	ppbv	97
19) Isopropyl Alcohol	3.607	45	39394m	0.923	ppbv	
20) Methylene Chloride	3.948	84	450534	13.000	ppbv	99
26) Hexane	5.224	57	402613	5.437	ppbv #	37
27) Carbon Disulfide	4.137	76	129001	1.467	ppbv	93
28) Methyl tert-Butyl Ether	4.607	73	15983m	0.248	ppbv	
29) Chloroform	5.285	83	17572	0.151	ppbv	96
30) Cyclohexane	6.607	84	12076	0.199	ppbv #	33
32) 1,1,1-Trichloroethane	6.012	97	60129	0.569	ppbv	95
34) 2-Butanone	4.803	43	141935	1.331	ppbv #	91
35) Carbon Tetrachloride	6.497	117	11228m	0.087	ppbv	
36) Benzene	6.378	78	210447	1.205	ppbv	97
38) Trichloroethene	7.301	130	26664m	0.271	ppbv	
52) Tetrachloroethene	10.619	164	599492	9.167	ppbv	96
53) Toluene	9.224	91	360176	1.969	ppbv	98
58) Ethyl Benzene	12.086	91	79792m	0.354	ppbv	
59) m/p-Xylene	12.349	91	207608m	1.019	ppbv	
60) o-Xylene	13.057	91	92054m	0.482	ppbv	
73) 1,3,5-Trimethylbenzene	15.352	105	27277m	0.139	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	78427m	0.352	ppbv	
79) Naphthalene	21.378	128	22950m	0.168	ppbv	

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

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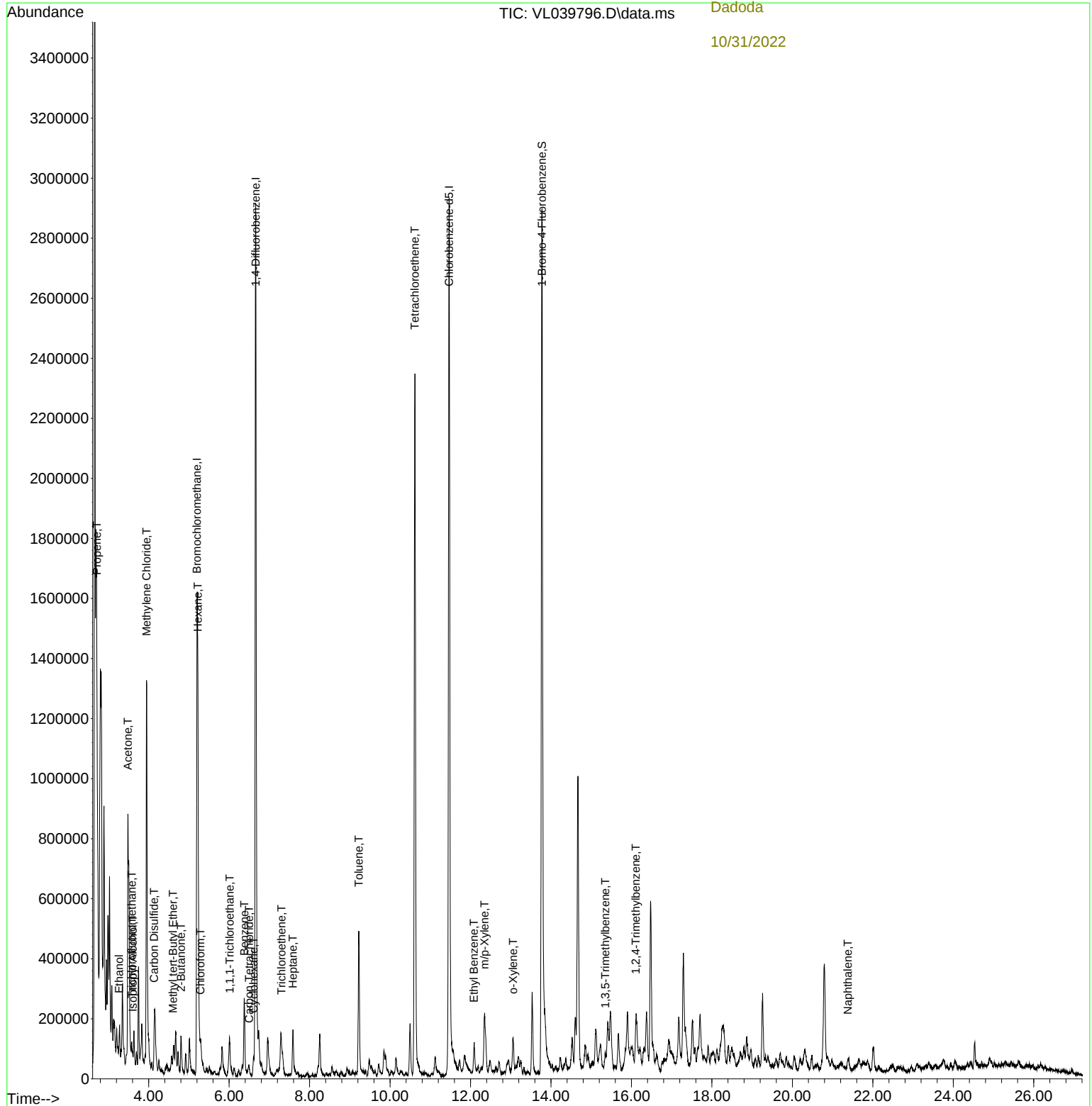
Manual Integrations
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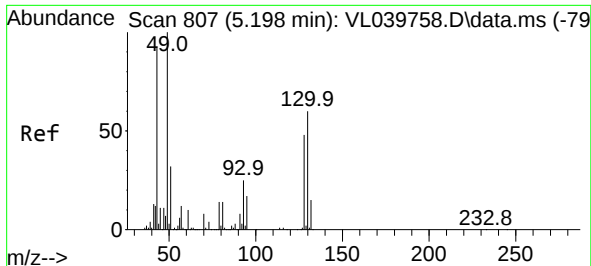
Reviewed By :Semsettin
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Dadoda

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Quant Time: Oct 27 16:28:46 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL102422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Mon Oct 24 20:00:55 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.202 min Scan# 80
Delta R.T. 0.004 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Instrument :
MSVOA_L
ClientSampleId :
O

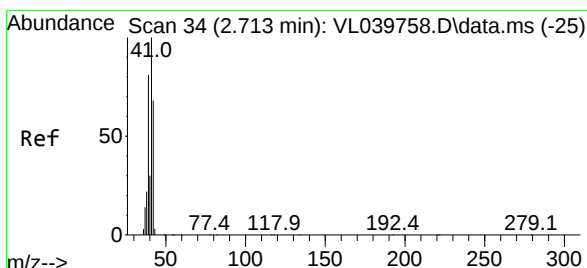
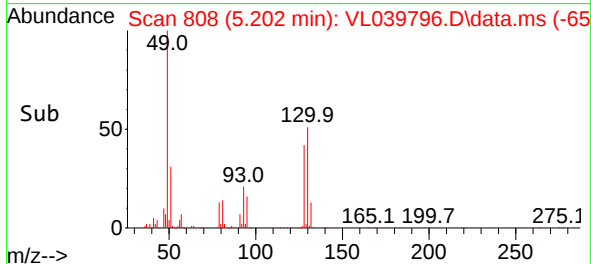
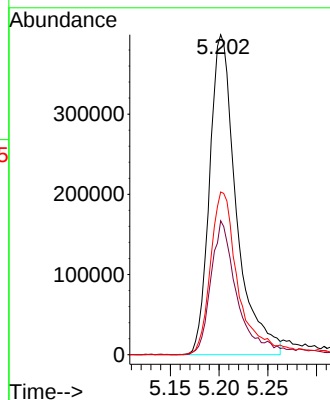
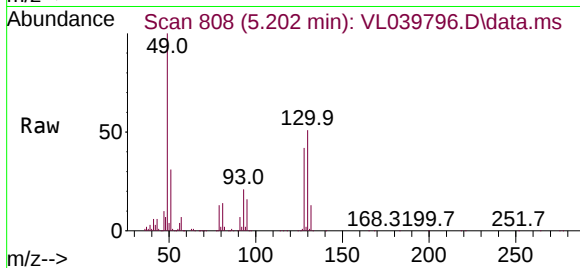
Tgt Ion: 49 Resp: 76268
Ion Ratio Lower Upper
49 100
128 44.4 24.6 74.0
130 55.9 31.8 95.3

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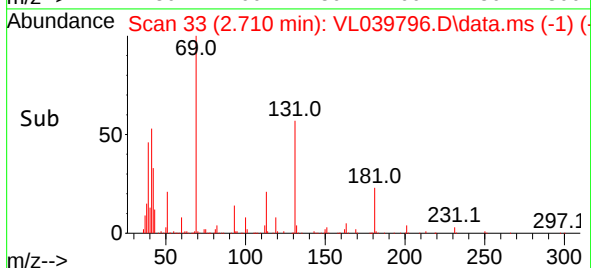
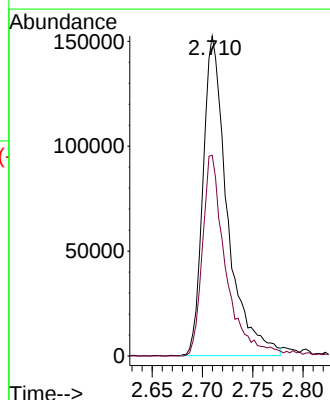
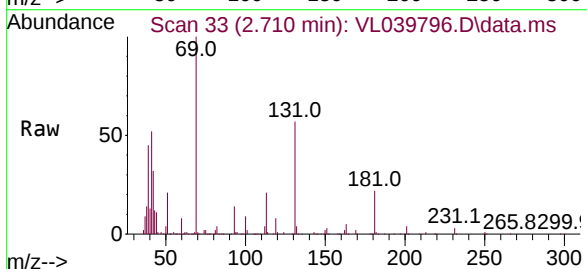
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Dadoda

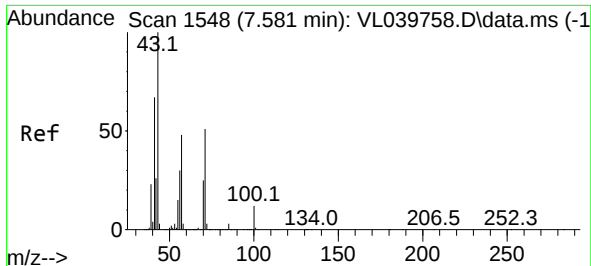
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#9
Propene
Concen: 6.505 ppbv
RT: 2.710 min Scan# 33
Delta R.T. -0.003 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Tgt Ion: 41 Resp: 256046
Ion Ratio Lower Upper
41 100
42 61.4 58.0 87.0





#10
Heptane
Concen: 0.618 ppbv m
RT: 7.584 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Instrument :
MSVOA_L
ClientSampleId :
O

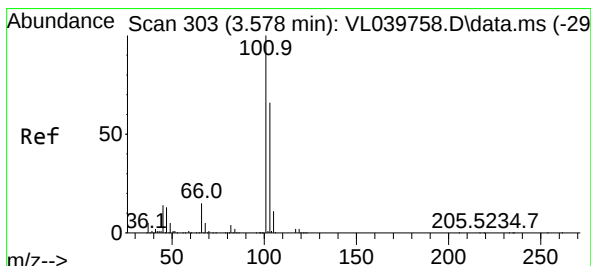
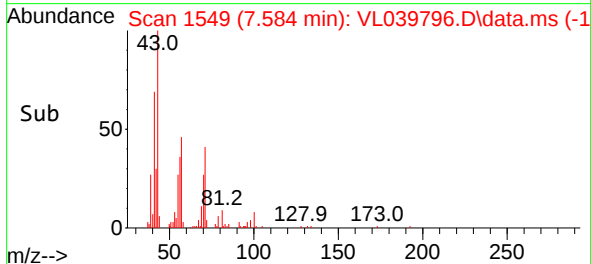
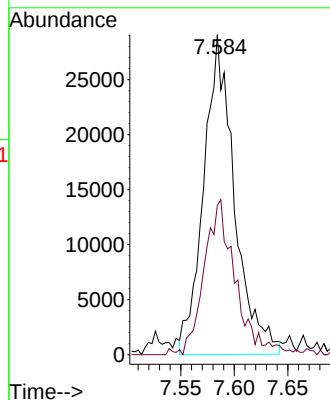
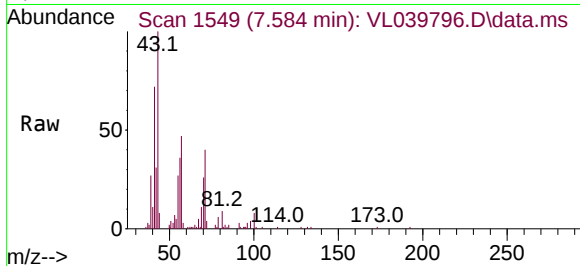
Tgt Ion: 43 Resp: 5827
Ion Ratio Lower Upper
43 100
57 49.5 40.0 60.0

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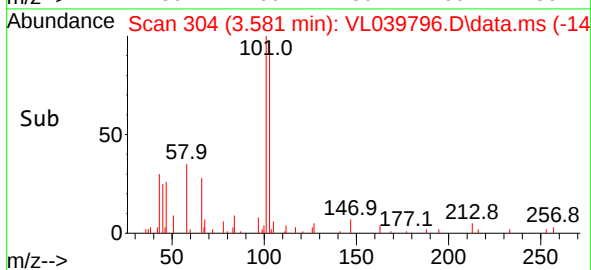
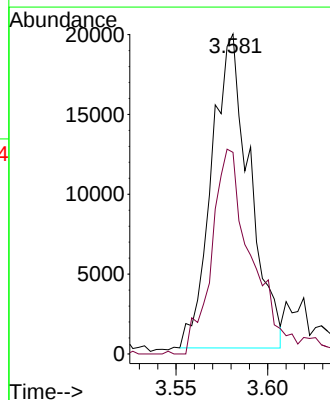
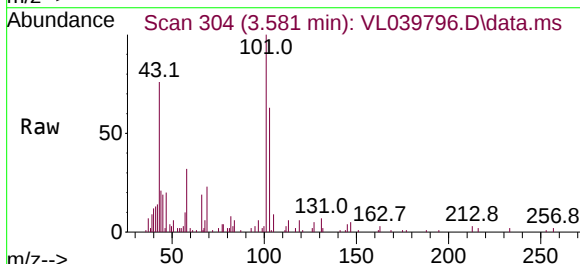
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Dadoda

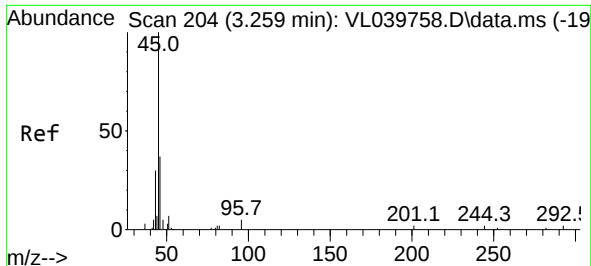
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#11
Trichlorofluoromethane
Concen: 0.254 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.003 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

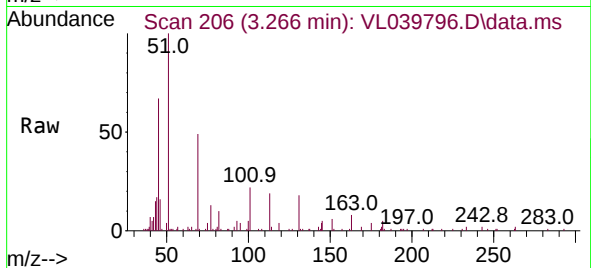
Tgt Ion:101 Resp: 28388
Ion Ratio Lower Upper
101 100
103 64.2 52.7 79.1





#13
Ethanol
Concen: 13.789 ppbv m
RT: 3.266 min Scan# 204
Delta R.T. 0.007 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Instrument :
MSVOA_L
ClientSampleId :
O



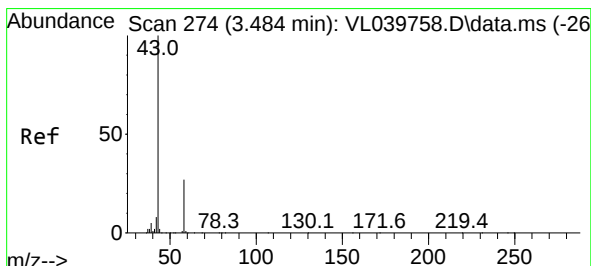
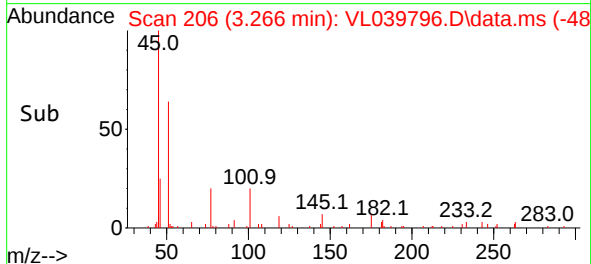
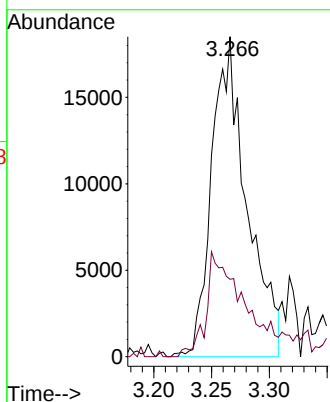
Tgt Ion: 45 Resp: 3898
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.3

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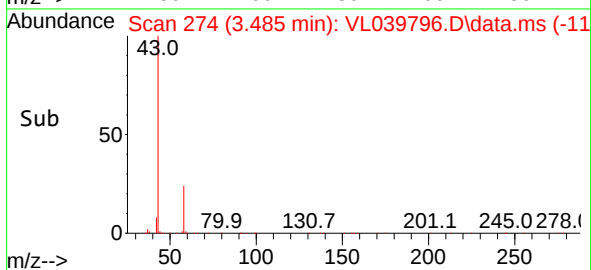
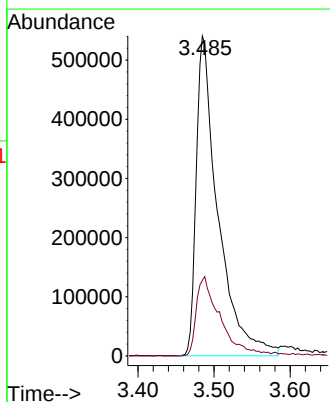
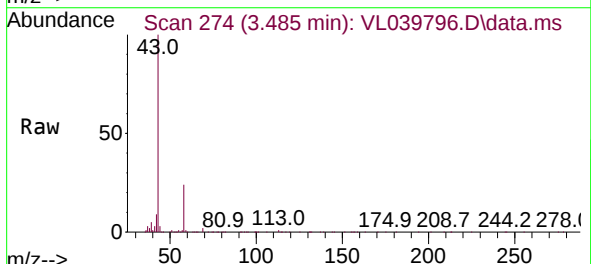
10/28/2022
Supervised By :Mahesh
Dadoda

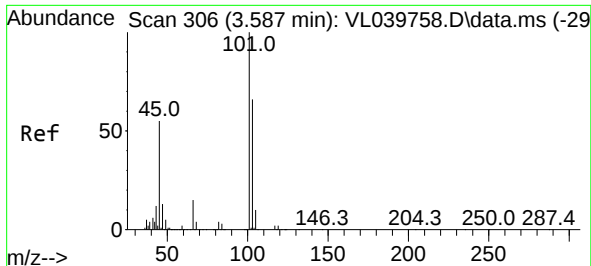
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#15
Acetone
Concen: 11.775 ppbv
RT: 3.485 min Scan# 274
Delta R.T. 0.000 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

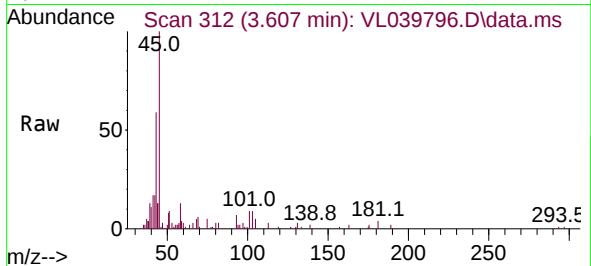
Tgt Ion: 43 Resp: 1072671
Ion Ratio Lower Upper
43 100
58 27.4 20.7 31.1





#19
Isopropyl Alcohol
Concen: 0.923 ppbv m
RT: 3.607 min Scan# 312
Delta R.T. 0.019 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Instrument :
MSVOA_L
ClientSampleId :
O



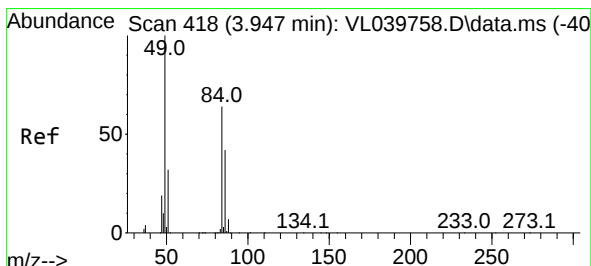
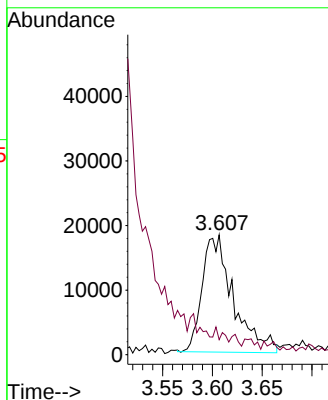
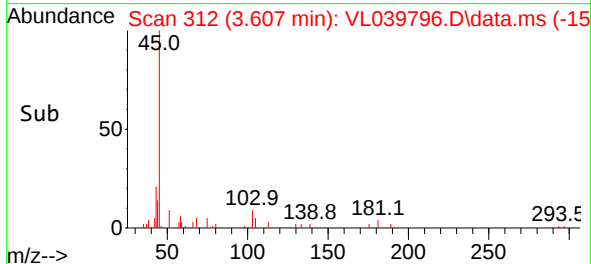
Tgt Ion: 45 Resp: 39394
Ion Ratio Lower Upper
45 100
58 0.0 2.8 4.2

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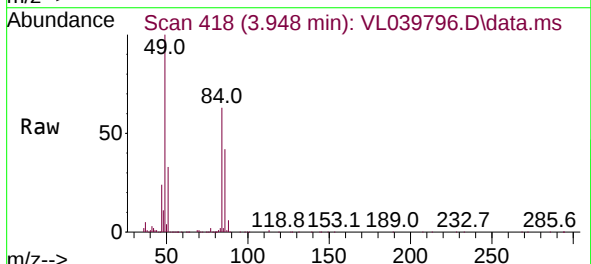
Reviewed By :Semsettin
Yesilyurt

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Supervised By :Mahesh
Dadoda

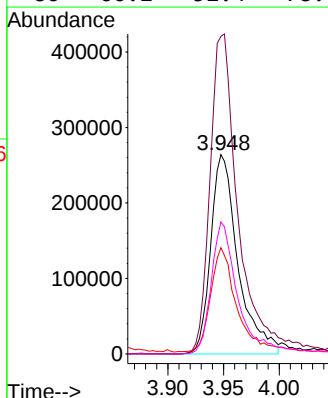
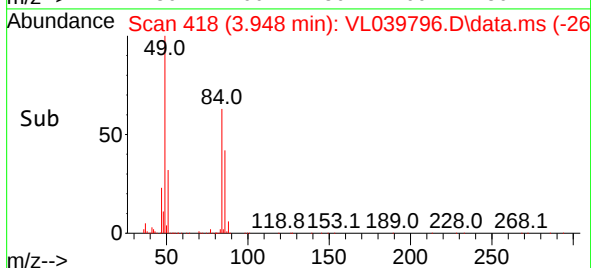
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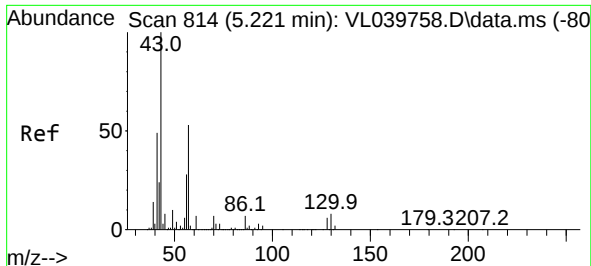


#20
Methylene Chloride
Concen: 13.000 ppbv
RT: 3.948 min Scan# 418
Delta R.T. 0.000 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34



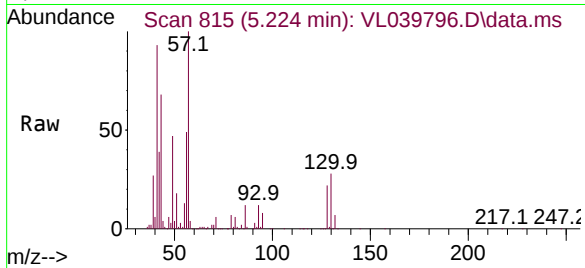
Tgt Ion: 84 Resp: 450534
Ion Ratio Lower Upper
84 100
49 159.3 126.0 189.0
51 52.1 40.9 61.3
86 66.2 52.4 78.6





#26
Hexane
Concen: 5.437 ppbv
RT: 5.224 min Scan# 814
Delta R.T. 0.003 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Instrument :
MSVOA_L
ClientSampleId :
O



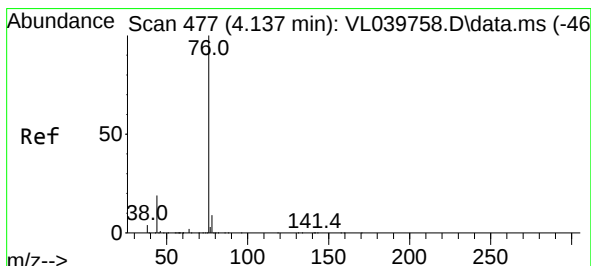
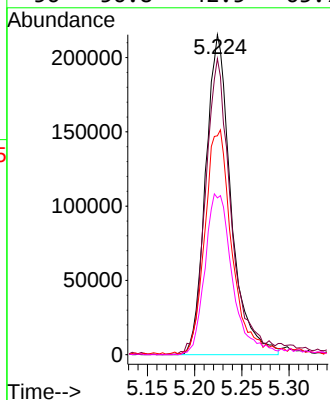
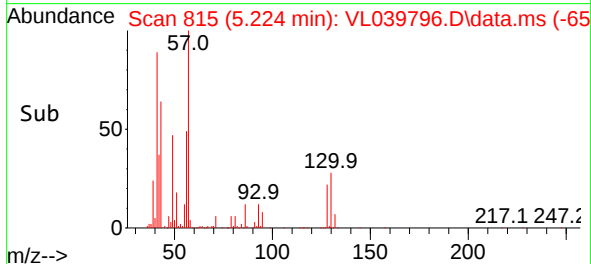
Tgt Ion: 57 Resp: 40261
Ion Ratio Lower Upper
57 100
41 99.4 76.1 114.1
43 75.7 197.1 295.7
56 56.8 42.5 63.7

Manual Integrations
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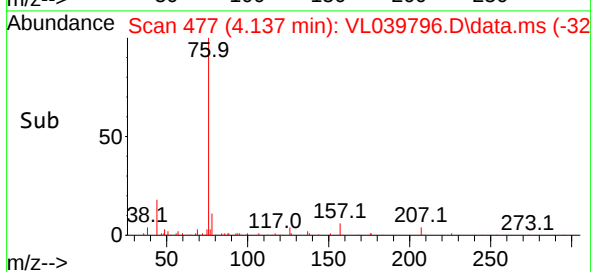
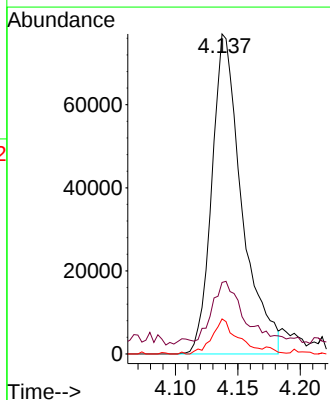
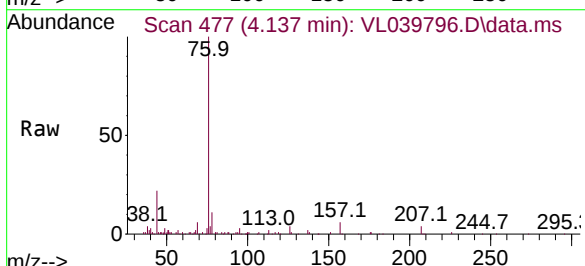
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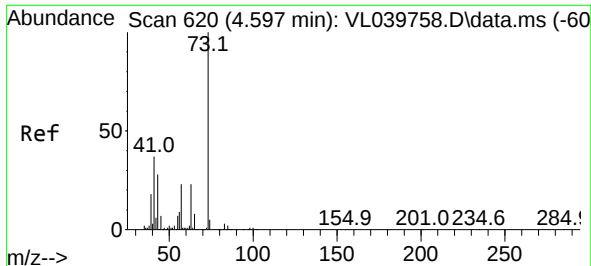
10/31/2022



#27
Carbon Disulfide
Concen: 1.467 ppbv
RT: 4.137 min Scan# 477
Delta R.T. 0.000 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Tgt Ion: 76 Resp: 129001
Ion Ratio Lower Upper
76 100
44 24.7 16.6 25.0
78 10.7 7.6 11.4





#28

Methyl tert-Butyl Ether

Concen: 0.248 ppbv m

RT: 4.607 min Scan# 61

Delta R.T. 0.010 min

Lab File: VL039796.D

Acq: 25 Oct 2022 20:34

Instrument :

MSVOA_L

ClientSampleId :

O

Tgt Ion: 73 Resp: 1598

Ion Ratio Lower Upper

73 100

57 0.0 19.1 28.7

Manual Integrations

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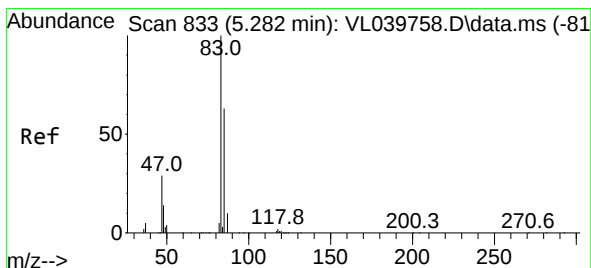
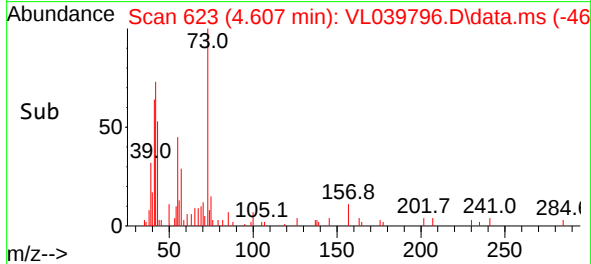
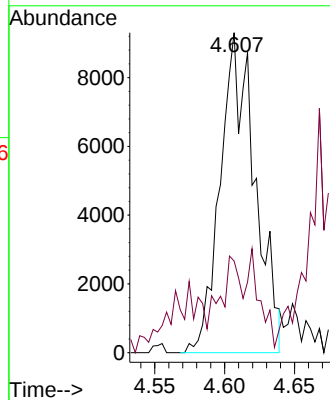
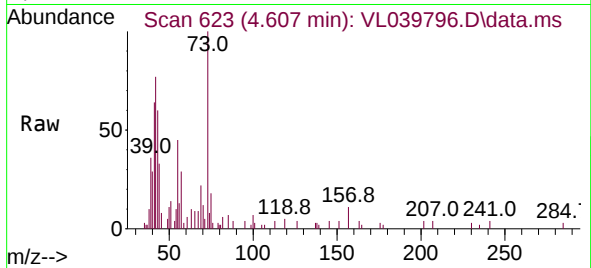
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Supervised By :Mahesh

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#29

Chloroform

Concen: 0.151 ppbv

RT: 5.285 min Scan# 834

Delta R.T. 0.003 min

Lab File: VL039796.D

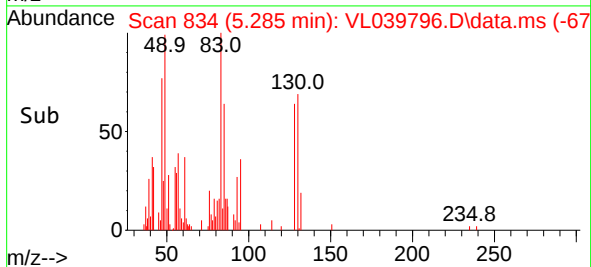
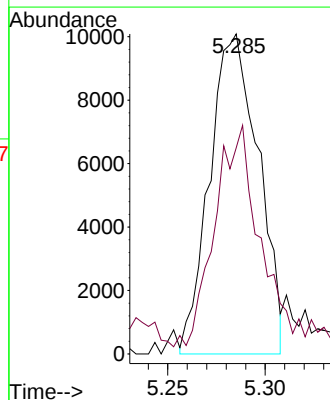
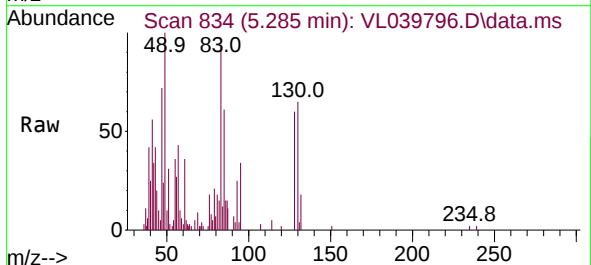
Acq: 25 Oct 2022 20:34

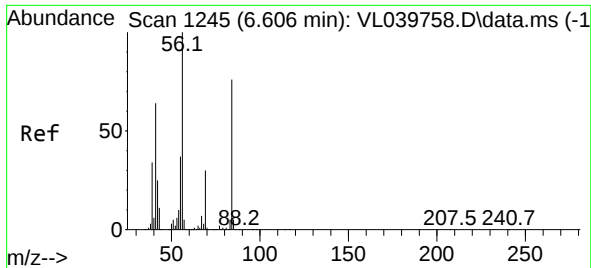
Tgt Ion: 83 Resp: 17572

Ion Ratio Lower Upper

83 100

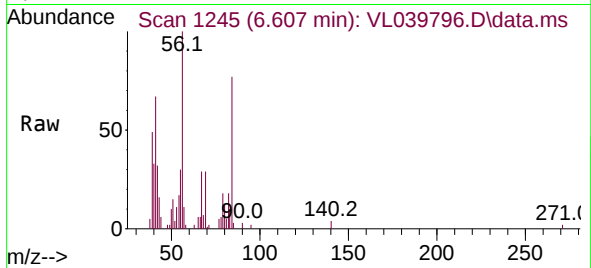
85 59.8 50.4 75.6





#30
Cyclohexane
Concen: 0.199 ppbv
RT: 6.607 min Scan# 11
Delta R.T. 0.000 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Instrument :
MSVOA_L
ClientSampleId :
O



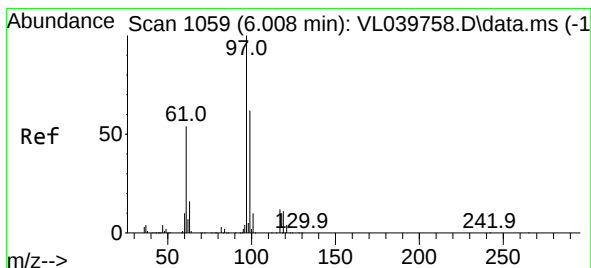
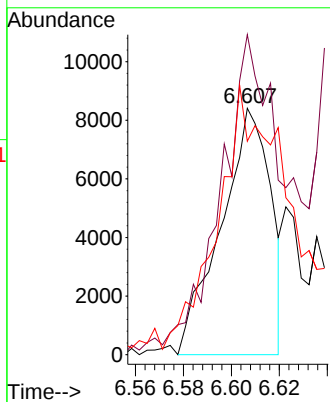
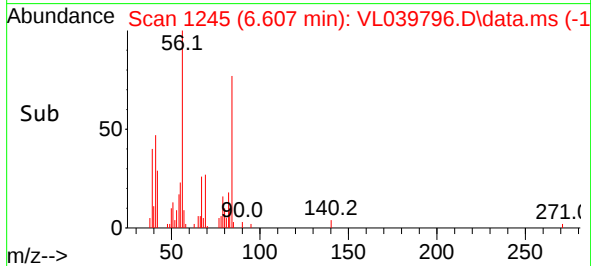
Tgt Ion: 84 Resp: 12070
Ion Ratio Lower Upper
84 100
56 169.3 111.8 167.6
41 214.4 71.5 107.3

Manual Integrations
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Yesilyurt

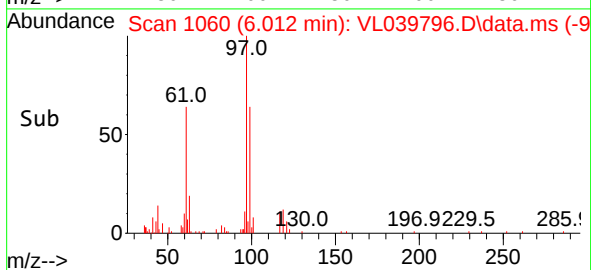
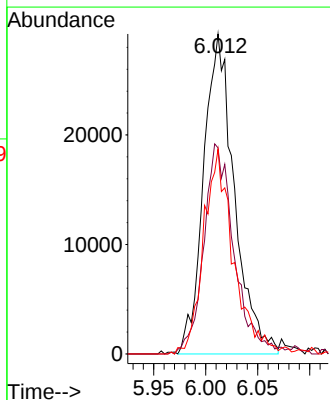
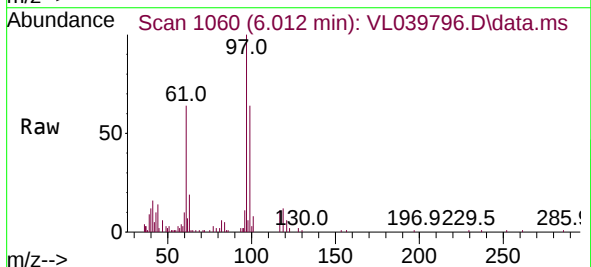
10/28/2022
Supervised By :Mahesh
Dadoda

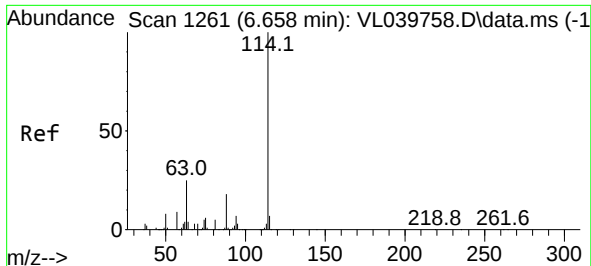
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#32
1,1,1-Trichloroethane
Concen: 0.569 ppbv
RT: 6.012 min Scan# 1060
Delta R.T. 0.003 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Tgt Ion: 97 Resp: 60129
Ion Ratio Lower Upper
97 100
99 65.7 52.2 78.4
61 62.2 43.2 64.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL039796.D

Acq: 25 Oct 2022 20:34

Instrument :

MSVOA_L

ClientSampleId :

O

Tgt Ion:114 Resp: 2266940

Ion Ratio Lower Upper

114 100

63 25.0 20.1 30.1

88 17.9 14.5 21.7

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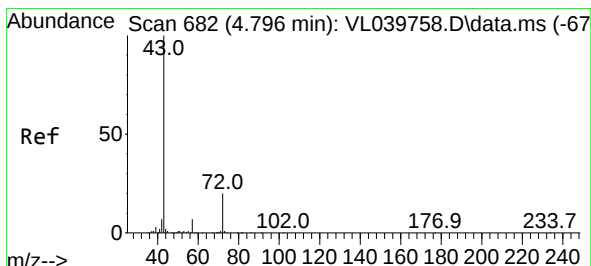
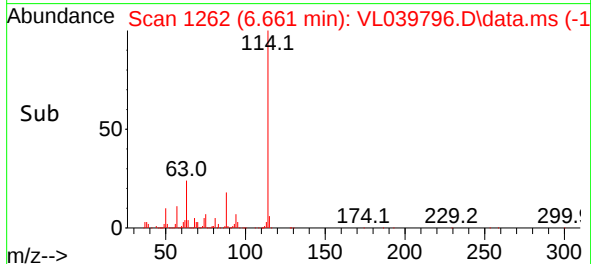
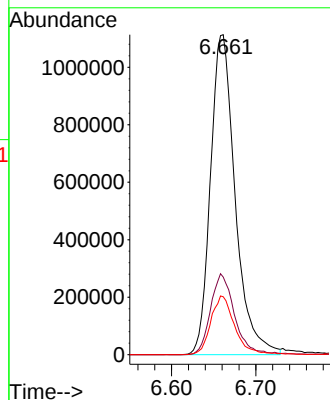
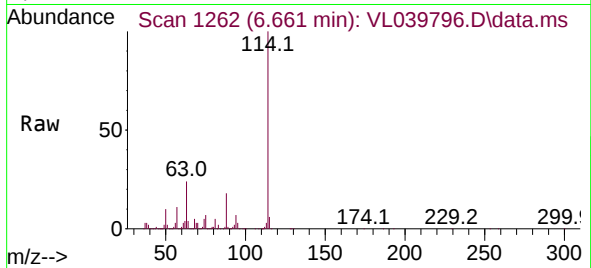
Yesilyurt

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Dadoda

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#34

2-Butanone

Concen: 1.331 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.007 min

Lab File: VL039796.D

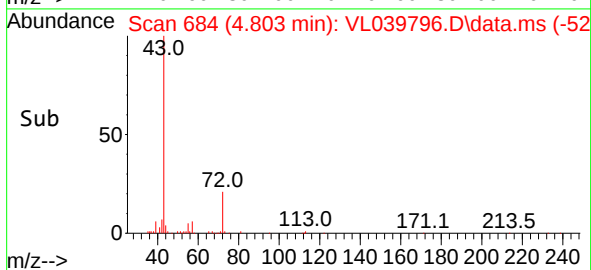
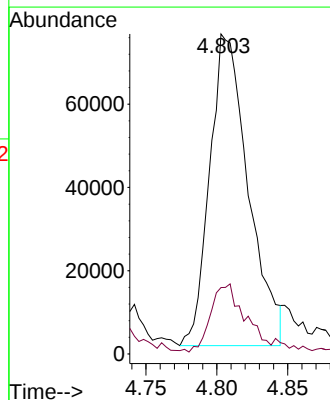
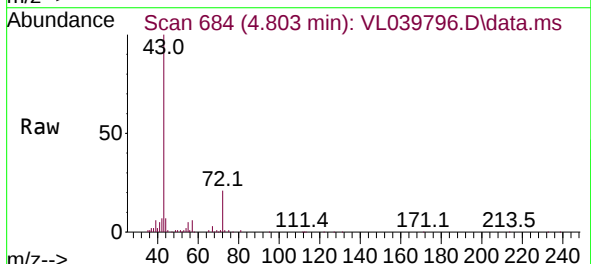
Acq: 25 Oct 2022 20:34

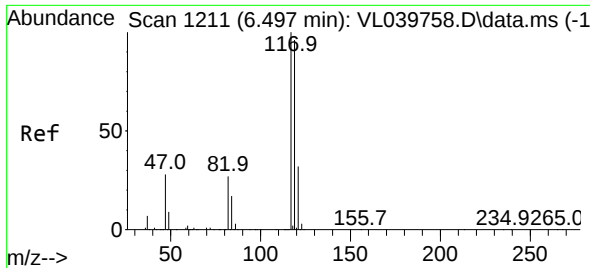
Tgt Ion: 43 Resp: 141935

Ion Ratio Lower Upper

43 100

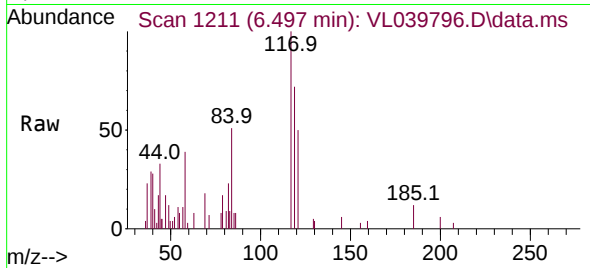
72 24.8 16.5 24.7#





#35
Carbon Tetrachloride
Concen: 0.087 ppbv m
RT: 6.497 min Scan# 1122
Delta R.T. 0.000 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Instrument :
MSVOA_L
ClientSampleId :
O



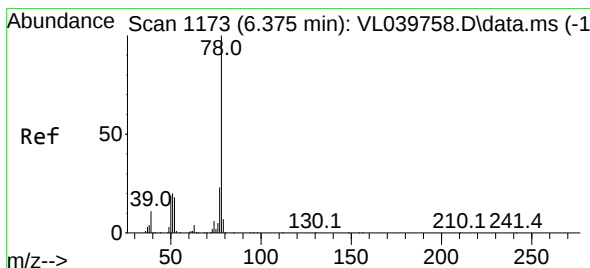
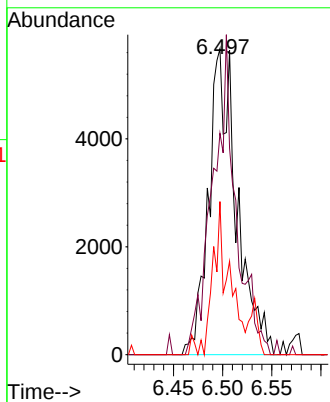
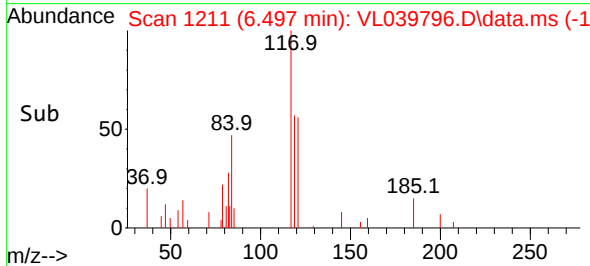
Tgt Ion:117 Resp: 11228
Ion Ratio Lower Upper
117 100
119 72.4 76.6 115.0
121 50.1 25.3 37.9

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Reviewed By :Semsettin
Yesilyurt

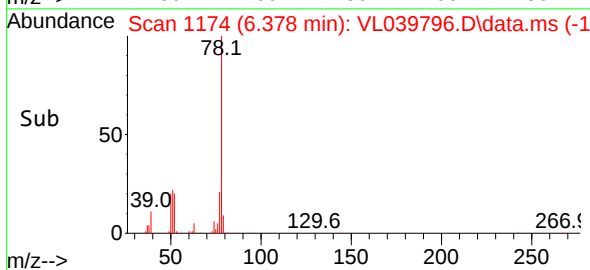
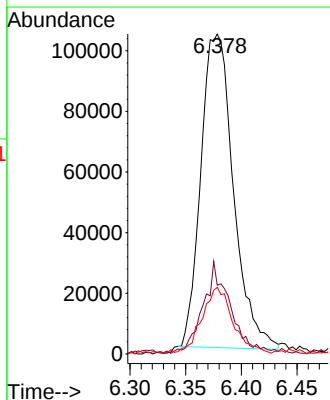
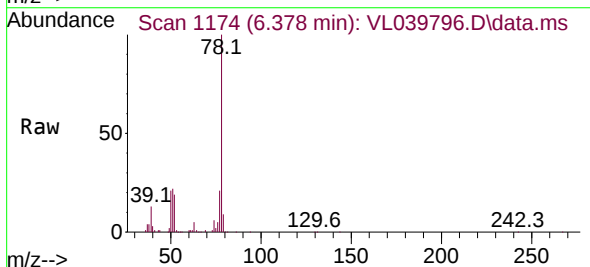
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Supervised By :Mahesh
Dadoda

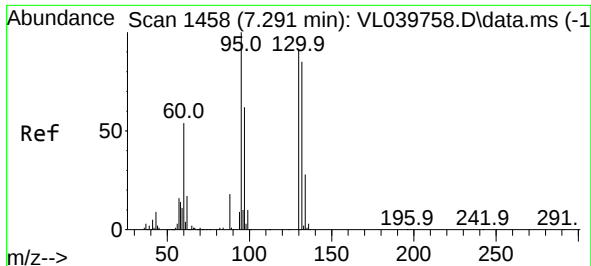
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#36
Benzene
Concen: 1.205 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. 0.003 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

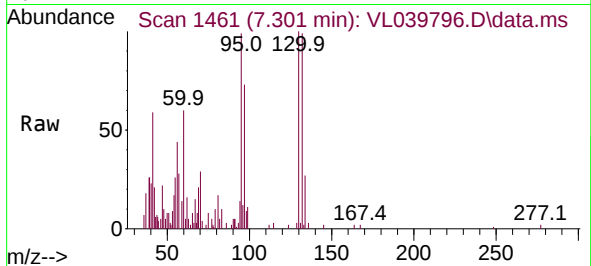
Tgt Ion: 78 Resp: 210447
Ion Ratio Lower Upper
78 100
77 21.2 18.3 27.5
50 20.6 15.2 22.8





#38
 Trichloroethene
 Concen: 0.271 ppbv m
 RT: 7.301 min Scan# 1458
 Delta R.T. 0.010 min
 Lab File: VL039796.D
 Acq: 25 Oct 2022 20:34

Instrument :
 MSVOA_L
 ClientSampleId :
 O



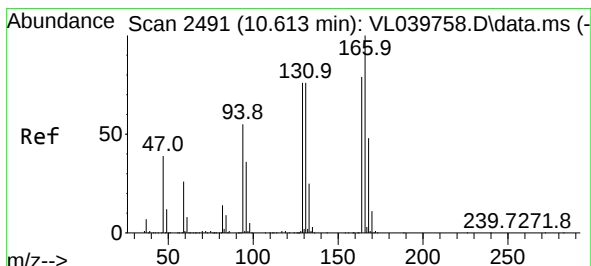
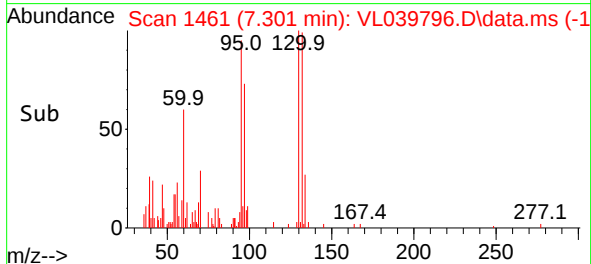
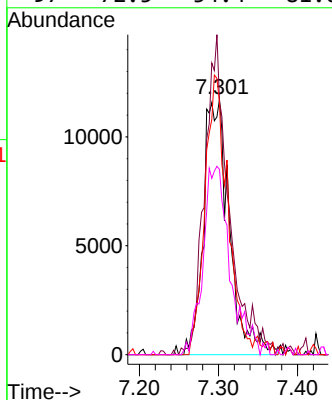
Tgt Ion:130 Resp: 26664
 Ion Ratio Lower Upper
 130 100
 95 99.1 88.1 132.1
 132 98.7 75.2 112.8
 97 72.5 54.4 81.6

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 Yesilyurt

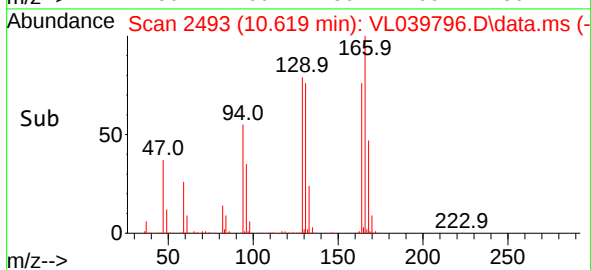
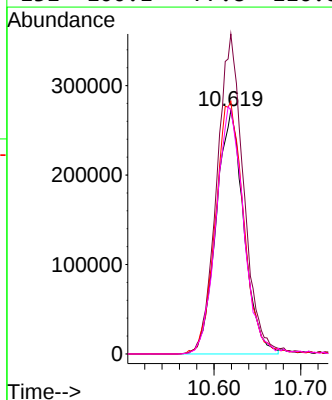
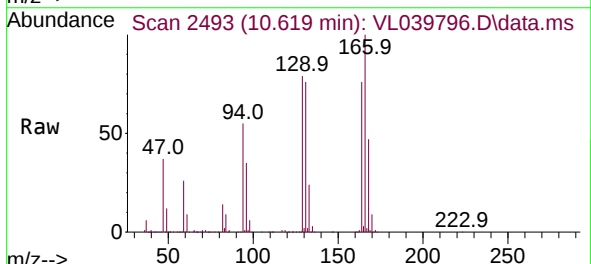
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 Dadoda

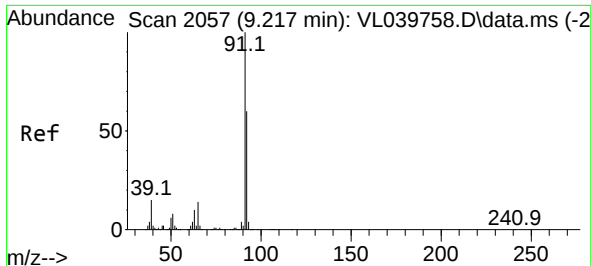
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#52
 Tetrachloroethene
 Concen: 9.167 ppbv
 RT: 10.619 min Scan# 2493
 Delta R.T. 0.007 min
 Lab File: VL039796.D
 Acq: 25 Oct 2022 20:34

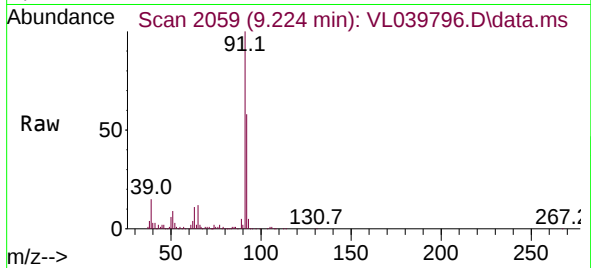
Tgt Ion:164 Resp: 599492
 Ion Ratio Lower Upper
 164 100
 166 131.4 101.8 152.6
 129 103.8 77.5 116.3
 131 100.1 77.8 116.8





#53
Toluene
Concen: 1.969 ppbv
RT: 9.224 min Scan# 2057
Delta R.T. 0.007 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Instrument :
MSVOA_L
ClientSampleId :
O



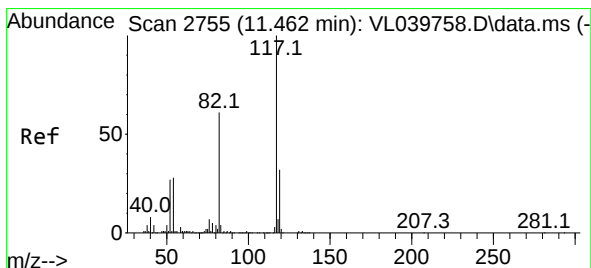
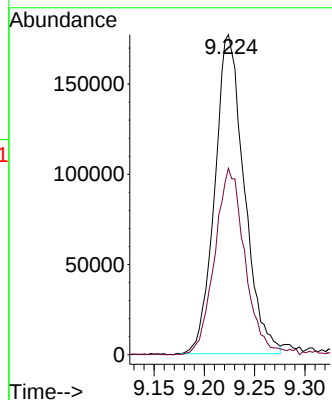
Tgt Ion: 91 Resp: 360170
Ion Ratio Lower Upper
91 100
92 61.6 48.0 72.0

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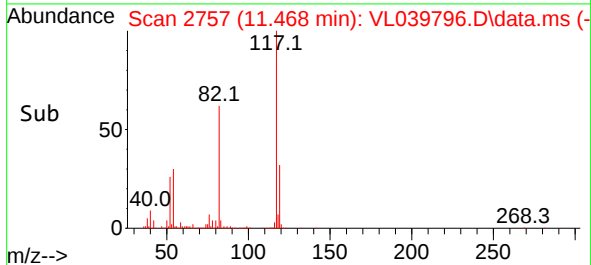
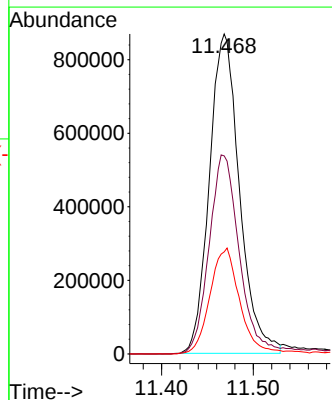
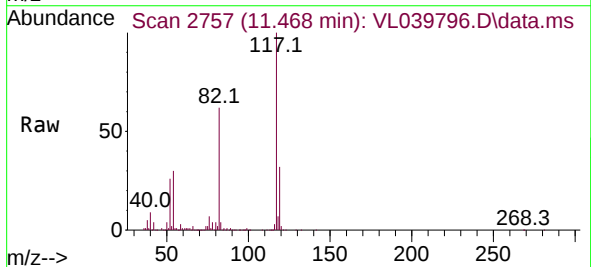
10/28/2022
Supervised By :Mahesh
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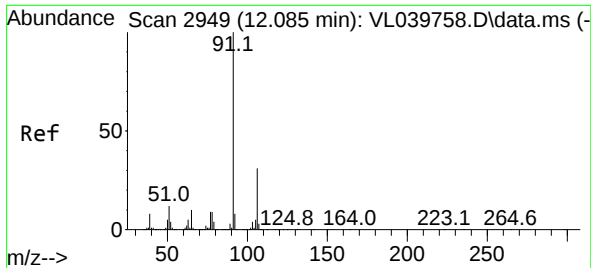
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.007 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Tgt Ion:117 Resp: 1981263
Ion Ratio Lower Upper
117 100
82 65.6 49.9 74.9
119 34.0 25.2 37.8





#58
Ethyl Benzene
Concen: 0.354 ppbv m
RT: 12.086 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Instrument :
MSVOA_L
ClientSampleId :
O

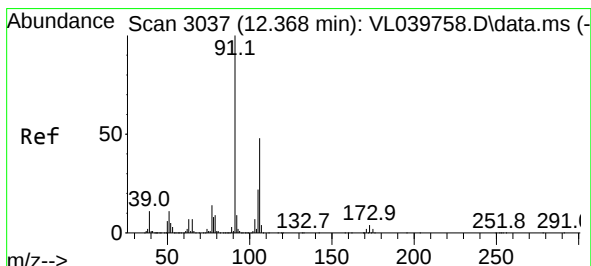
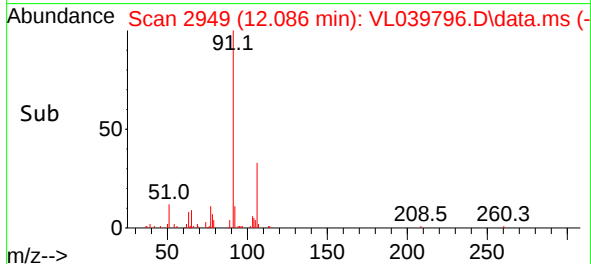
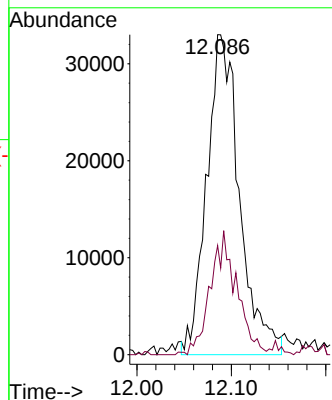
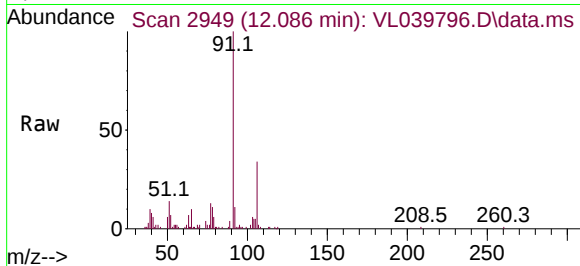
Tgt Ion: 91 Resp: 79792
Ion Ratio Lower Upper
91 100
106 34.1 24.6 36.8

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Yesilyurt

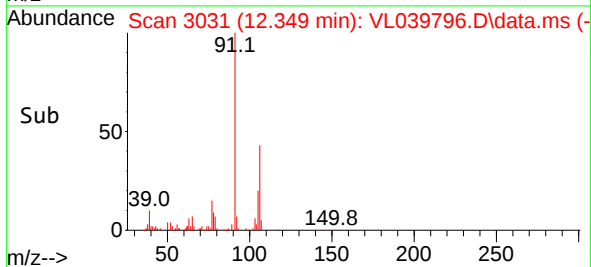
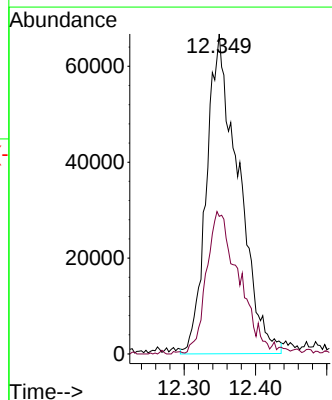
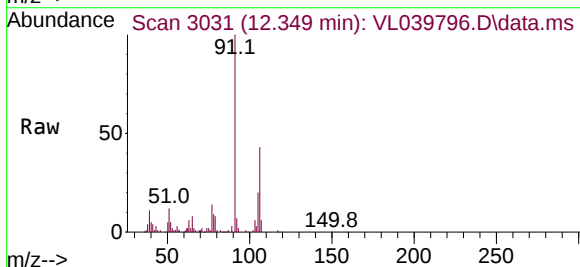
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Dadoda

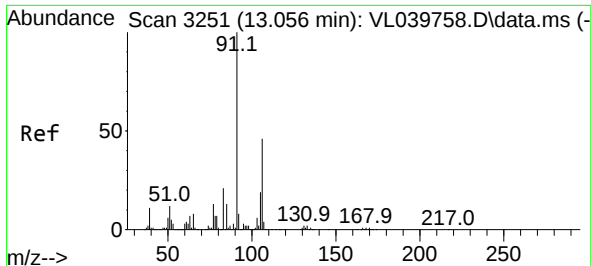
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#59
m/p-Xylene
Concen: 1.019 ppbv m
RT: 12.349 min Scan# 3031
Delta R.T. -0.019 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Tgt Ion: 91 Resp: 207608
Ion Ratio Lower Upper
91 100
106 0.0 36.4 54.6#





#60
o-Xylene
Concen: 0.482 ppbv m
RT: 13.057 min Scan# 31
Delta R.T. 0.000 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Instrument :
MSVOA_L
ClientSampleId :
O

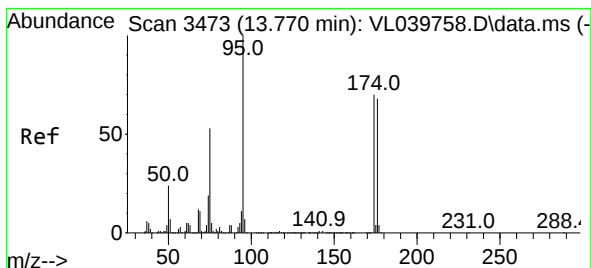
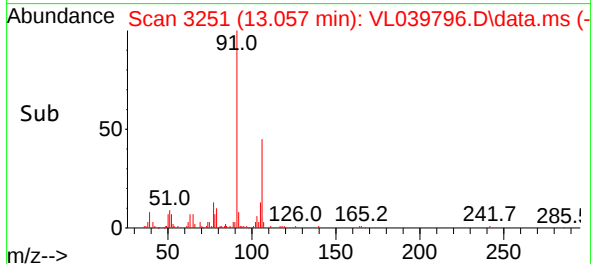
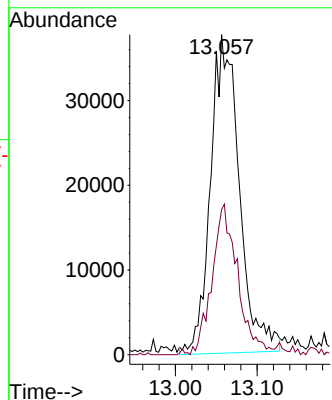
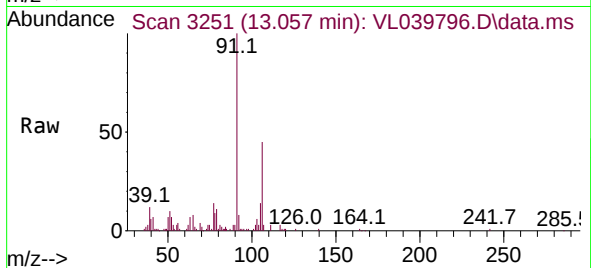
Tgt Ion: 91 Resp: 92054
Ion Ratio Lower Upper
91 100
106 43.8 22.9 68.8

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Yesilyurt

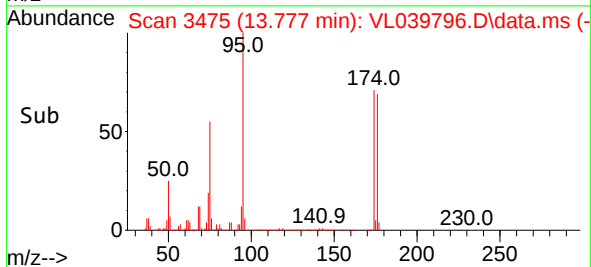
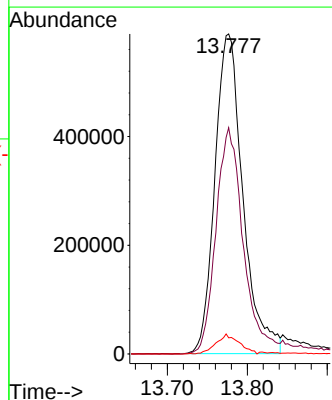
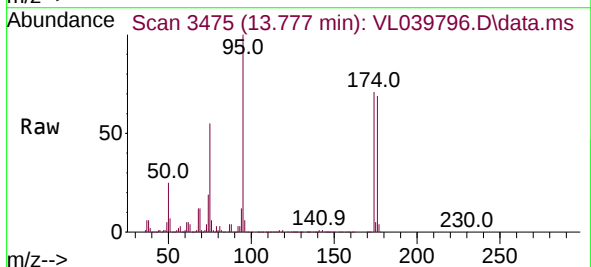
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Supervised By :Mahesh
Dadoda

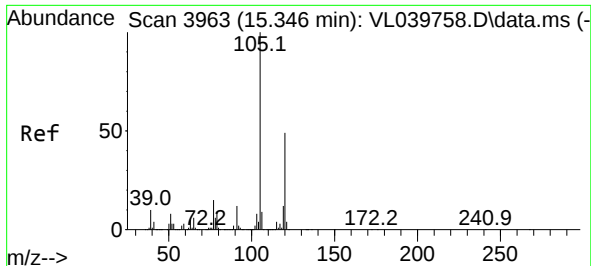
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.161 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.007 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Tgt Ion: 95 Resp: 1432115
Ion Ratio Lower Upper
95 100
174 73.9 57.3 85.9
175 5.8 4.2 6.2





#73
1,3,5-Trimethylbenzene
Concen: 0.139 ppbv m
RT: 15.352 min Scan# 3963
Delta R.T. 0.007 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Instrument :
MSVOA_L
ClientSampleId :
O

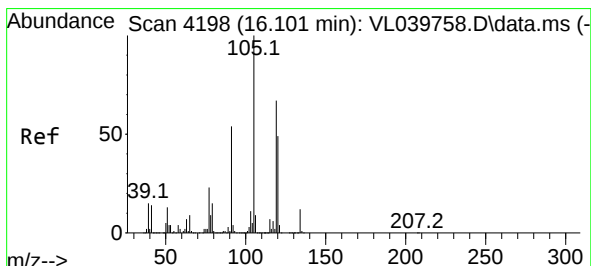
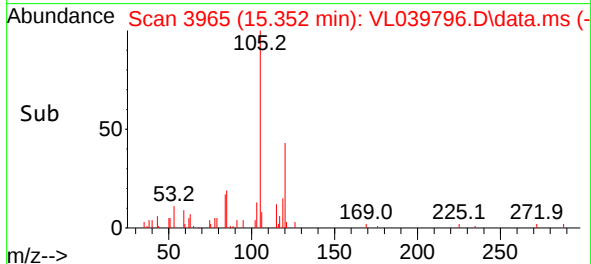
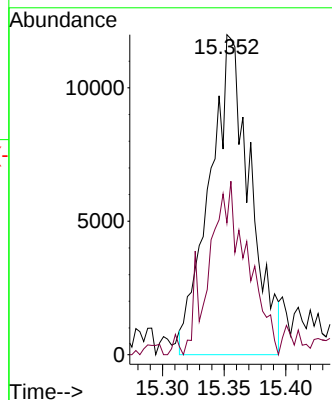
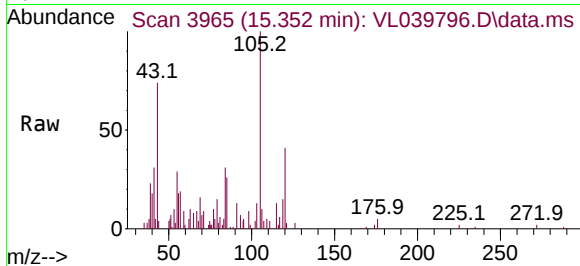
Tgt Ion:105 Resp: 2727
Ion Ratio Lower Upper
105 100
120 41.2 39.0 58.6

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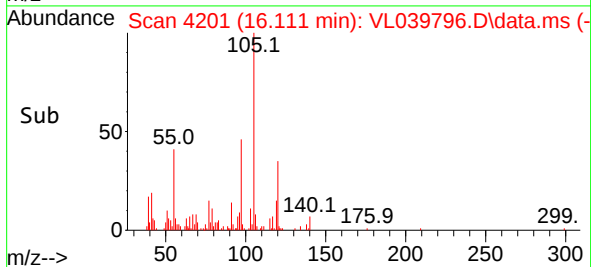
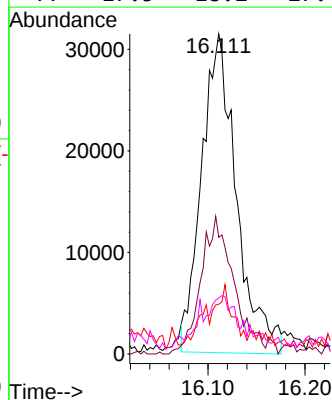
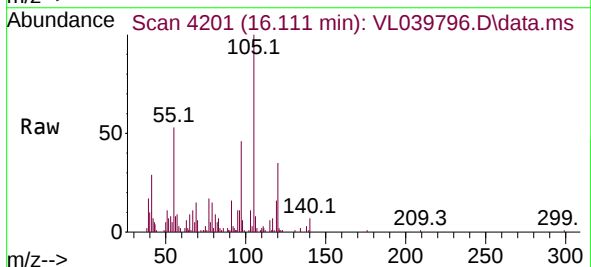
10/28/2022
Supervised By :Mahesh
Dadoda

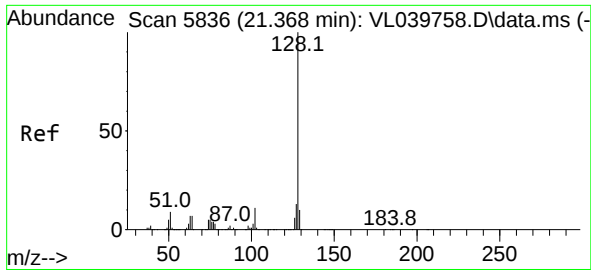
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#74
1,2,4-Trimethylbenzene
Concen: 0.352 ppbv m
RT: 16.111 min Scan# 4201
Delta R.T. 0.010 min
Lab File: VL039796.D
Acq: 25 Oct 2022 20:34

Tgt Ion:105 Resp: 78427
Ion Ratio Lower Upper
105 100
120 34.7 39.6 59.4#
91 15.5 42.9 64.3#
77 17.5 18.2 27.4#





#79

Naphthalene

Concen: 0.168 ppbv m

RT: 21.378 min Scan# 5839

Delta R.T. 0.010 min

Lab File: VL039796.D

Acq: 25 Oct 2022 20:34

Instrument :

MSVOA_L

ClientSampleId :

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Tgt Ion:128 Resp: 22950

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

129 13.8 8.4 12.6

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10/28/2022

Supervised By :Mahesh

Dadoda

10/31/2022

