

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051122\
 Data File : VL039028.D
 Acq On : 11 May 2022 20:26
 Operator : SY/AP
 Sample : N2753-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

05/15/2022
 Supervised By : Mahesh
 Dadoda

Quant Time: May 12 01:59:09 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 12 01:59:09 2022

QLast Update : Thu May 05 10:12:15 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.648	49	931680	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.156	114	2361507	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.060	117	1978981	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.388 95 1538943 9.819 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 98.200%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.044	85	93918	0.643	ppbv	97
3) Chlorodifluoromethane	2.983	51	46215	0.400	ppbv #	85
4) Chloromethane	3.134	50	33525	0.579	ppbv	94
9) Propene	3.018	41	26854m	0.532	ppbv	
11) Trichlorofluoromethane	3.941	101	27494	0.220	ppbv	87
13) Ethanol	3.591	45	102513m	28.692	ppbv	
15) Acetone	3.838	43	863335	9.823	ppbv	93
19) Isopropyl Alcohol	3.957	45	66506	1.592	ppbv #	95
20) Methylene Chloride	4.333	84	69142	2.087	ppbv	94
26) Hexane	5.674	57	98591	1.055	ppbv #	41
34) 2-Butanone	5.237	43	53587m	0.445	ppbv	
35) Carbon Tetrachloride	7.002	117	8777m	0.056	ppbv	
36) Benzene	6.864	78	31652m	0.157	ppbv	
44) 2,2,4-Trimethylpentane	7.851	57	39021	0.110	ppbv #	87
53) Toluene	9.780	91	52950	0.234	ppbv	93
59) m/p-Xylene	12.944	91	34712m	0.143	ppbv	

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

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OA1

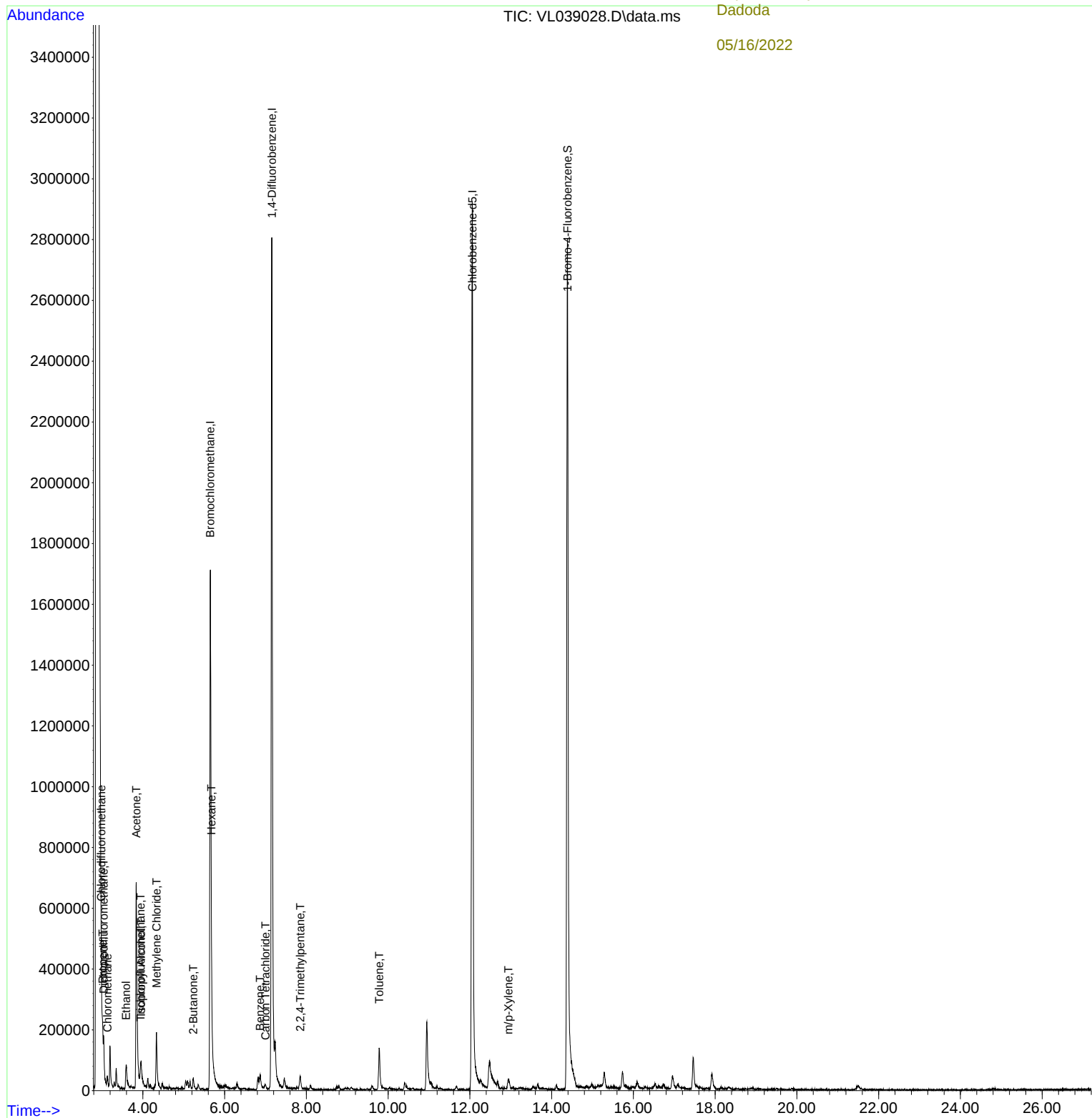
Quant Time: May 12 01:59:09 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

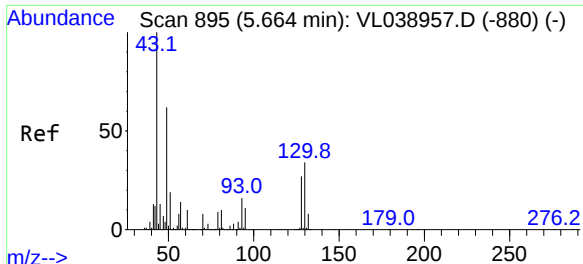
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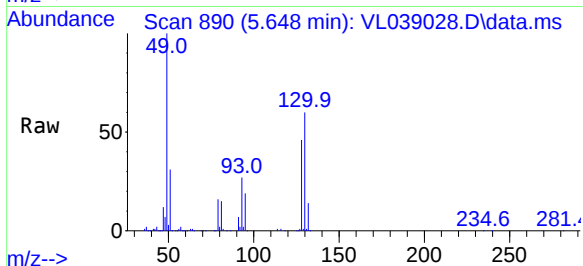
05/16/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.648 min Scan# 89
Delta R.T. -0.016 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

Instrument :
MSVOA_L
ClientSampleId :
OA1



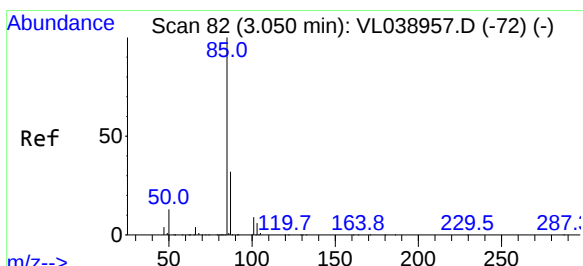
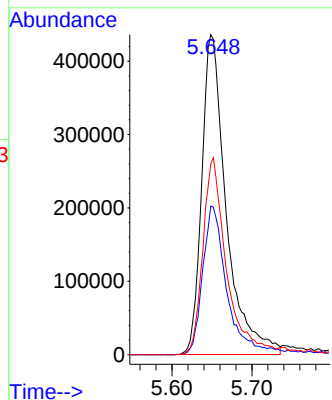
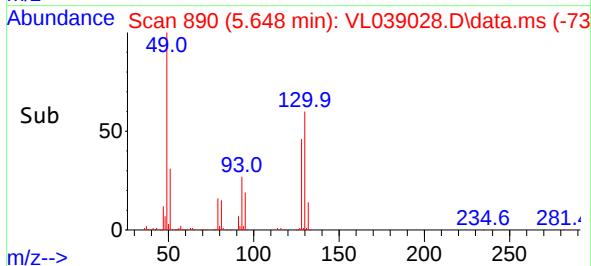
Tgt Ion: 49 Resp: 931680
Ion Ratio Lower Upper
49 100
128 47.5 23.3 69.8
130 62.4 29.8 89.3

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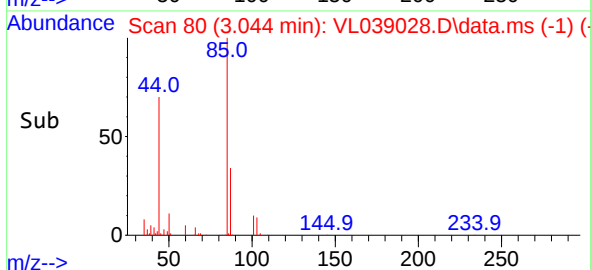
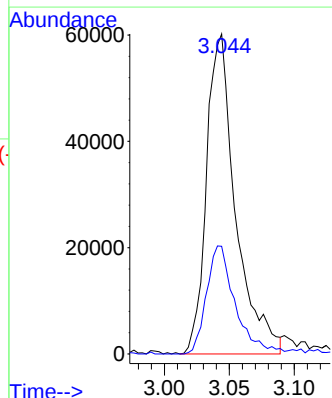
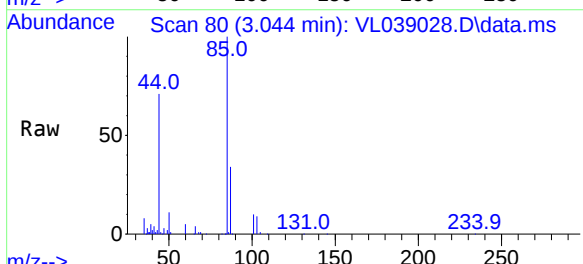
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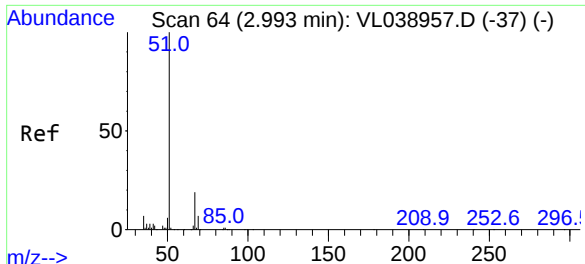
05/16/2022



#2
Dichlorodifluoromethane
Concen: 0.643 ppbv
RT: 3.044 min Scan# 80
Delta R.T. -0.006 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

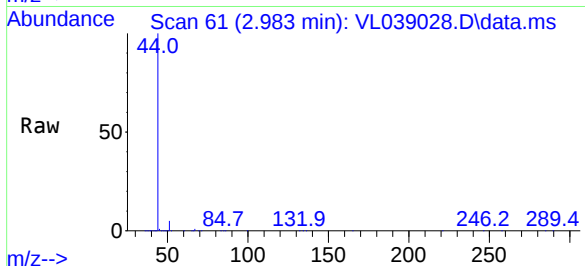
Tgt Ion: 85 Resp: 93918
Ion Ratio Lower Upper
85 100
87 33.6 25.7 38.5





#3
Chlorodifluoromethane
Concen: 0.400 ppbv
RT: 2.983 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

Instrument :
MSVOA_L
ClientSampleId :
OA1



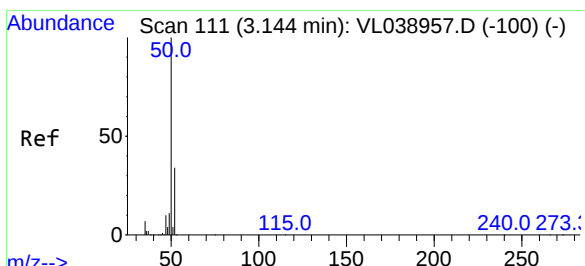
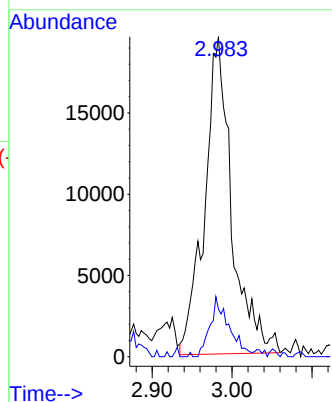
Tgt Ion: 51 Resp: 46215
Ion Ratio Lower Upper
51 100
67 13.1 15.8 23.8

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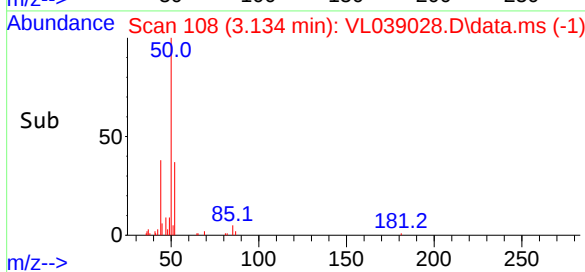
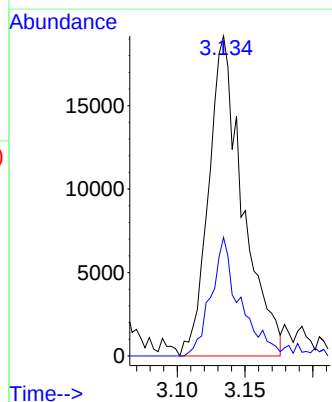
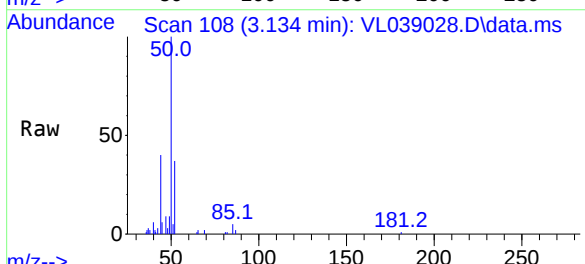
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Supervised By :Mahesh
Dadoda

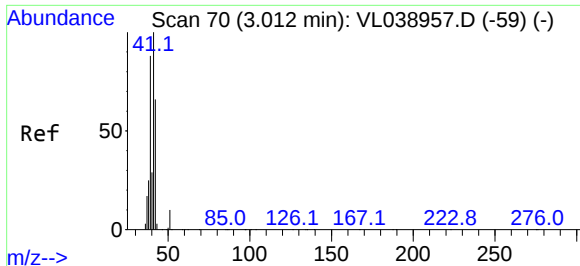
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#4
Chloromethane
Concen: 0.579 ppbv
RT: 3.134 min Scan# 108
Delta R.T. -0.010 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

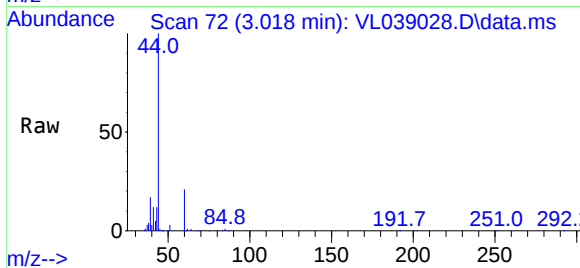
Tgt Ion: 50 Resp: 33525
Ion Ratio Lower Upper
50 100
52 37.4 27.3 40.9





#9
Propene
Concen: 0.532 ppbv m
RT: 3.018 min Scan# 70
Delta R.T. 0.007 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

Instrument :
MSVOA_L
ClientSampleId :
OA1



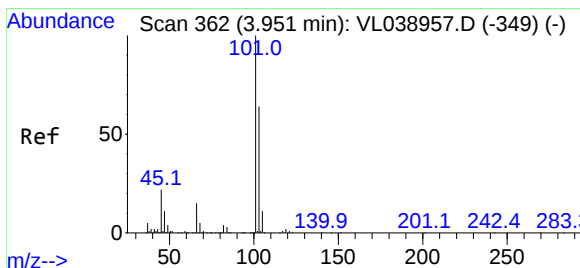
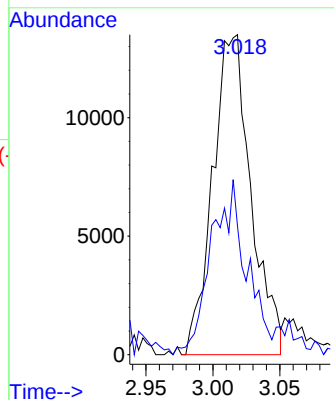
Tgt Ion: 41 Resp: 26854
Ion Ratio Lower Upper
41 100
42 0.0 58.3 87.5

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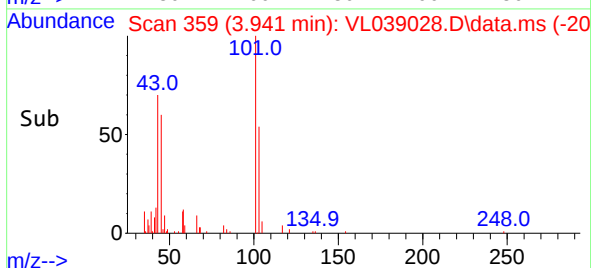
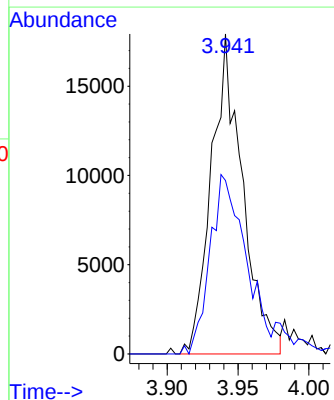
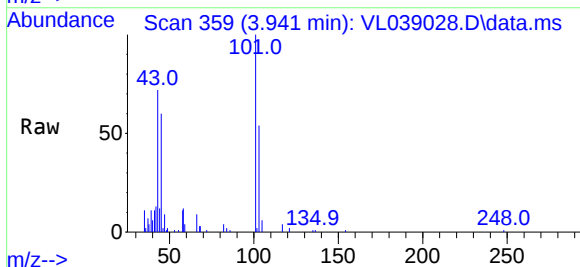
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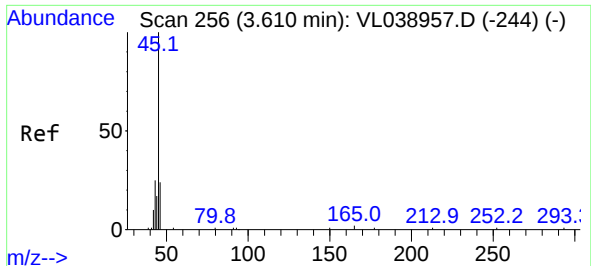
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#11
Trichlorofluoromethane
Concen: 0.220 ppbv
RT: 3.941 min Scan# 359
Delta R.T. -0.010 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

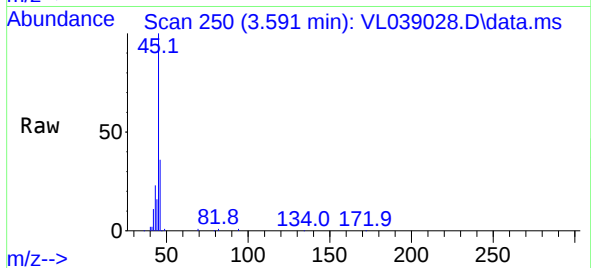
Tgt Ion:101 Resp: 27494
Ion Ratio Lower Upper
101 100
103 54.2 51.5 77.3





#13
Ethanol
Concen: 28.692 ppbv m
RT: 3.591 min Scan# 21
Delta R.T. -0.019 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

Instrument :
MSVOA_L
ClientSampleId :
OA1



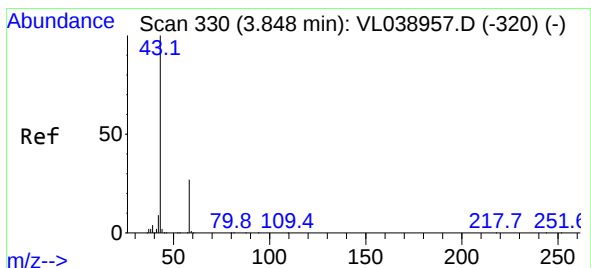
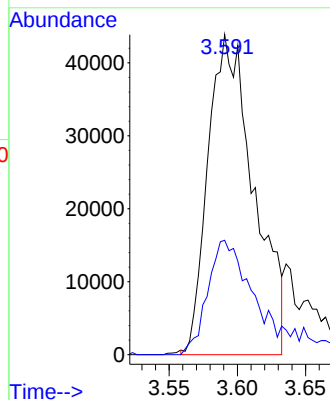
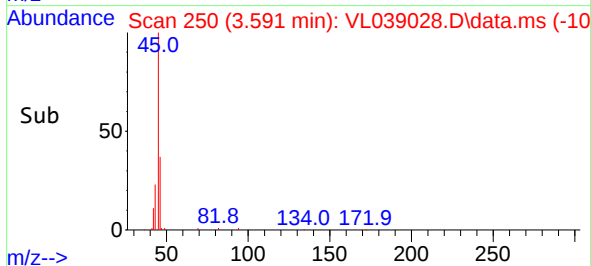
Tgt Ion: 45 Resp: 10251
Ion Ratio Lower Upper
45 100
46 0.0 18.0 72.2

Manual Integrations
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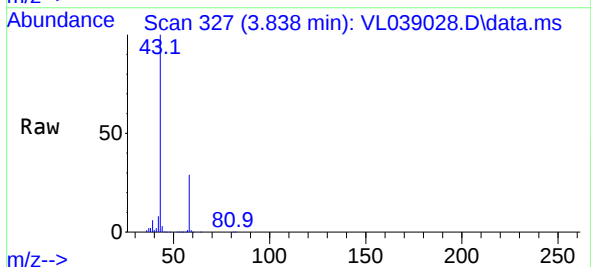
Reviewed By :Semsettin
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Dadoda

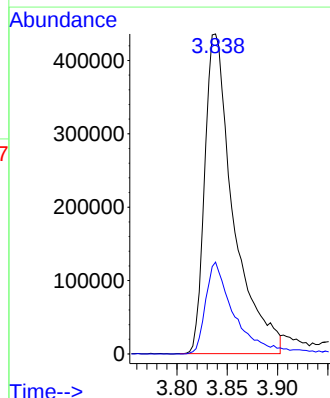
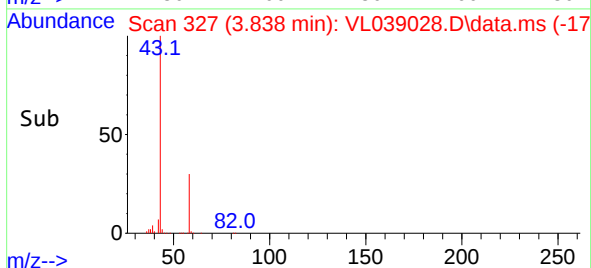
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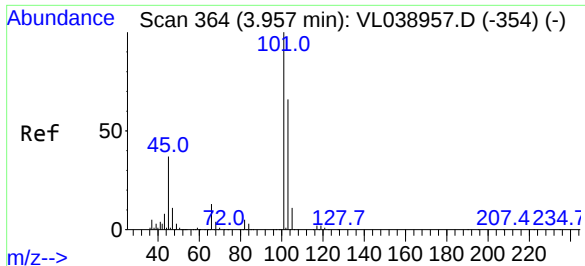


#15
Acetone
Concen: 9.823 ppbv
RT: 3.838 min Scan# 327
Delta R.T. -0.010 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26



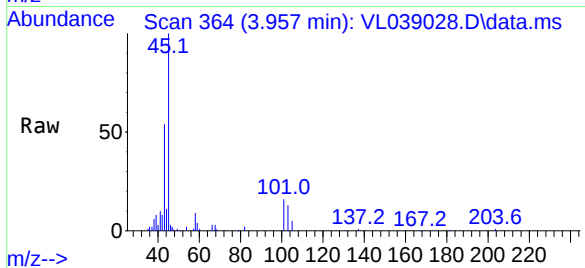
Tgt Ion: 43 Resp: 863335
Ion Ratio Lower Upper
43 100
58 30.1 21.3 31.9





#19
Isopropyl Alcohol
Concen: 1.592 ppbv
RT: 3.957 min Scan# 30
Delta R.T. 0.000 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

Instrument :
MSVOA_L
ClientSampleId :
OA1



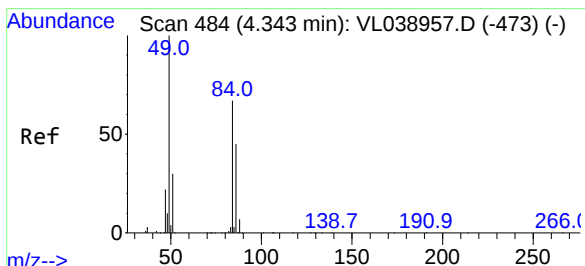
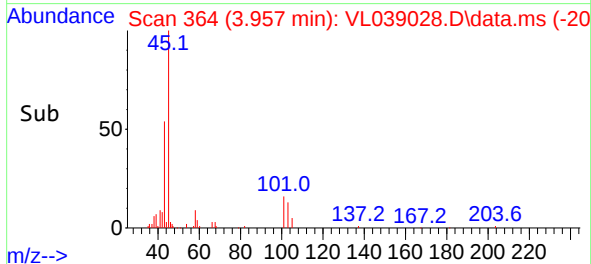
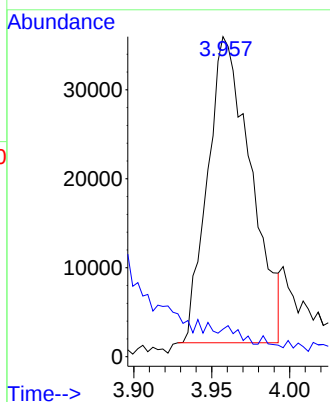
Tgt Ion: 45 Resp: 66500
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2

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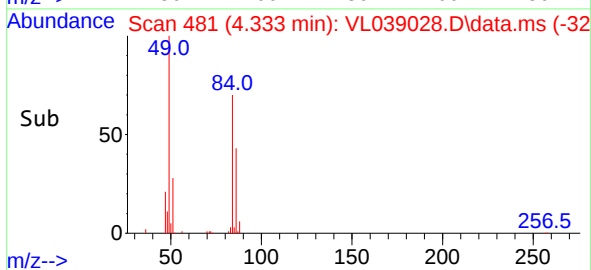
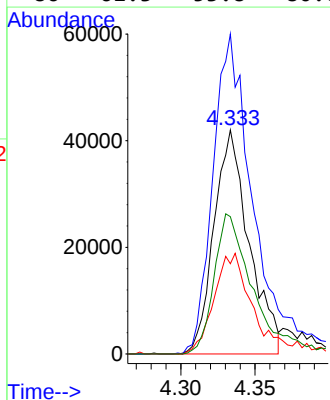
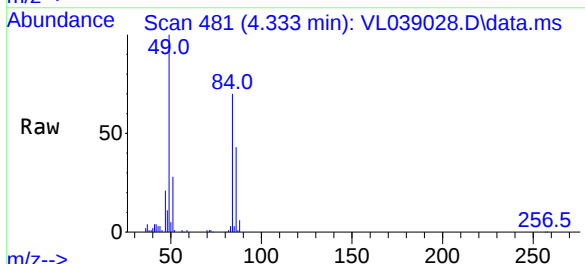
05/15/2022
Supervised By :Mahesh
Dadoda

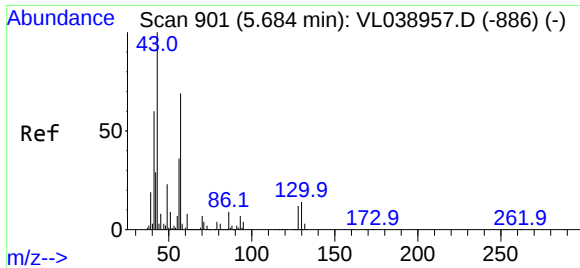
05/16/2022



#20
Methylene Chloride
Concen: 2.087 ppbv
RT: 4.333 min Scan# 481
Delta R.T. -0.010 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

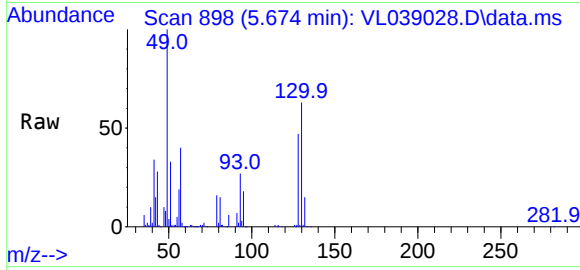
Tgt Ion: 84 Resp: 69142
Ion Ratio Lower Upper
84 100
49 142.4 119.9 179.9
51 40.3 35.7 53.5
86 61.3 53.8 80.6





#26
Hexane
Concen: 1.055 ppbv
RT: 5.674 min Scan# 898
Delta R.T. -0.010 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

Instrument :
MSVOA_L
ClientSampleId :
OA1



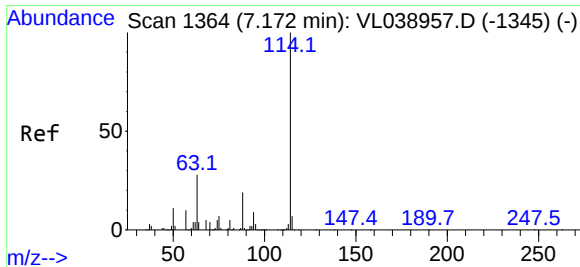
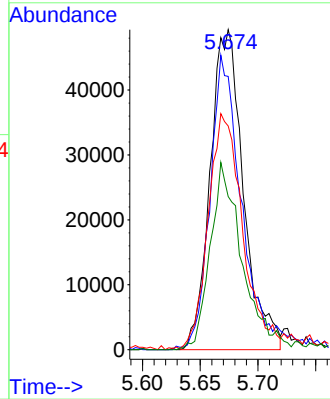
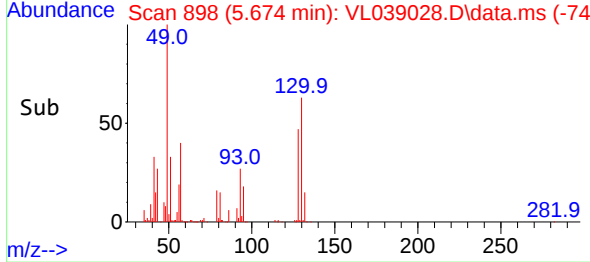
Tgt Ion: 57 Resp: 9859
Ion Ratio Lower Upper
57 100
41 90.8 75.2 112.8
43 79.9 190.8 286.2
56 57.5 43.0 64.6

Manual Integrations
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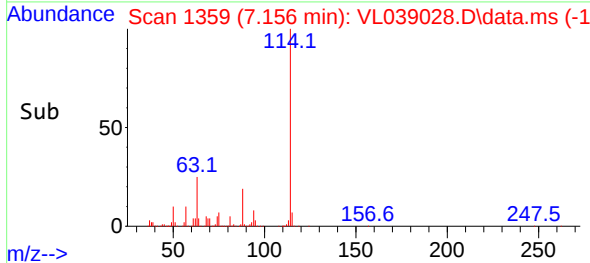
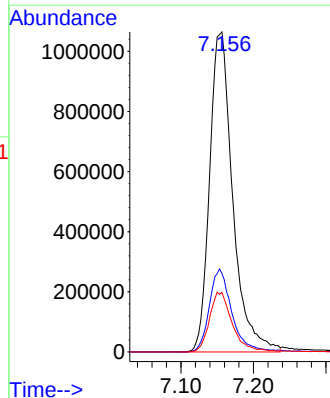
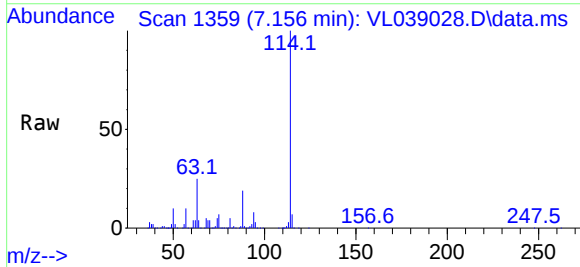
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Supervised By :Mahesh
Dadoda

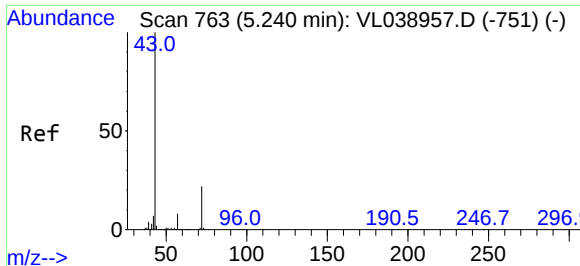
05/16/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.156 min Scan# 1359
Delta R.T. -0.016 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

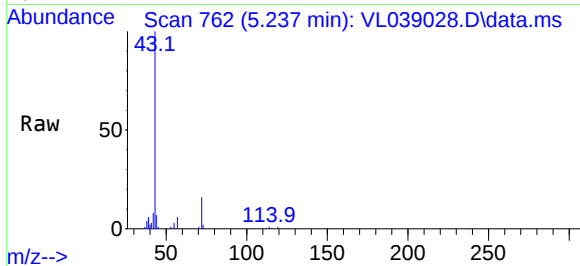
Tgt Ion:114 Resp: 2361507
Ion Ratio Lower Upper
114 100
63 25.6 22.6 33.8
88 18.8 15.4 23.0





#34
2-Butanone
Concen: 0.445 ppbv m
RT: 5.237 min Scan# 70
Delta R.T. -0.003 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

Instrument :
MSVOA_L
ClientSampleId :
OA1



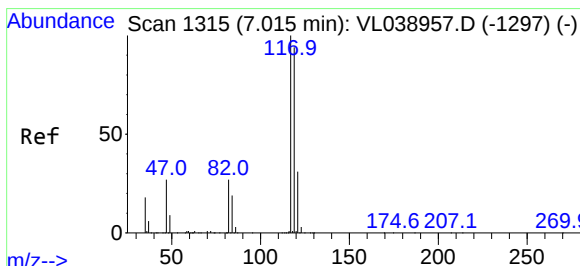
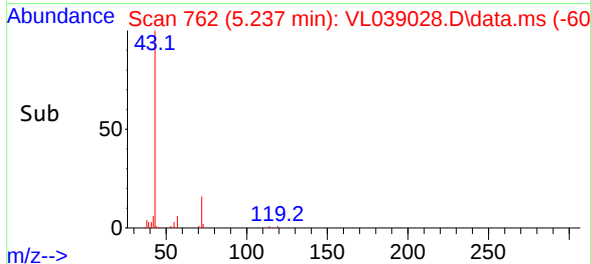
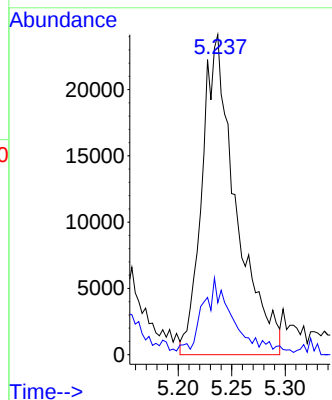
Tgt Ion: 43 Resp: 5358
Ion Ratio Lower Upper
43 100
72 0.0 17.8 26.6

Manual Integrations
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Yesilyurt

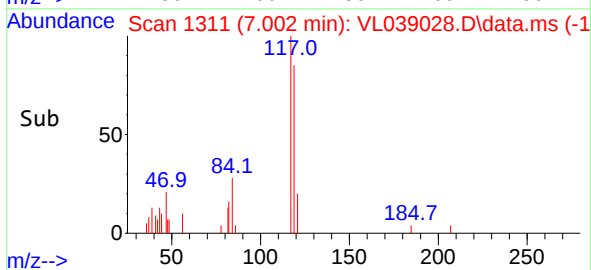
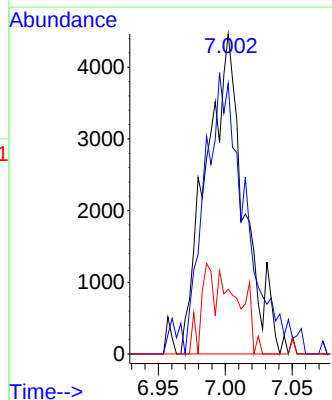
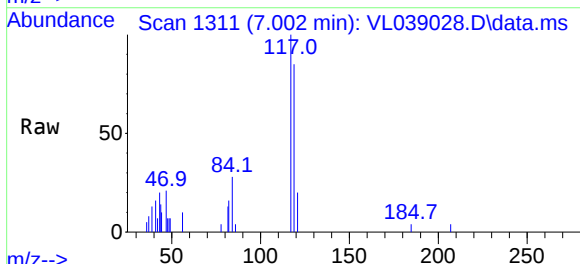
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Supervised By :Mahesh
Dadoda

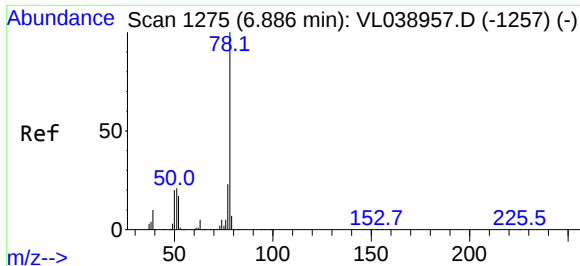
05/16/2022



#35
Carbon Tetrachloride
Concen: 0.056 ppbv m
RT: 7.002 min Scan# 1311
Delta R.T. -0.013 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

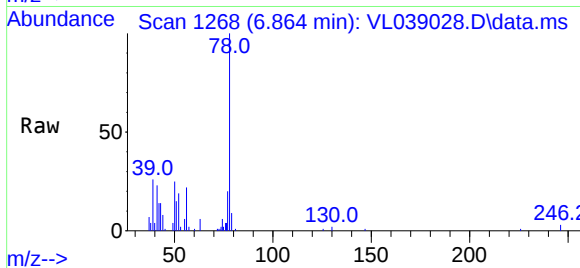
Tgt Ion:117 Resp: 8777
Ion Ratio Lower Upper
117 100
119 84.5 75.2 112.8
121 20.2 24.6 37.0





#36
Benzene
Concen: 0.157 ppbv m
RT: 6.864 min Scan# 11
Delta R.T. -0.022 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

Instrument :
MSVOA_L
ClientSampleId :
OA1



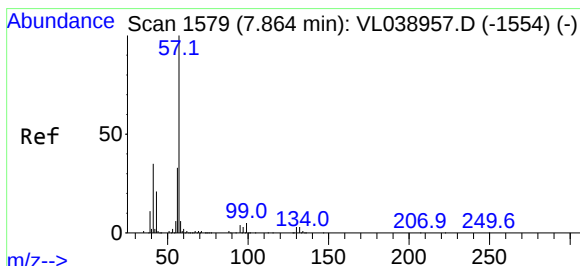
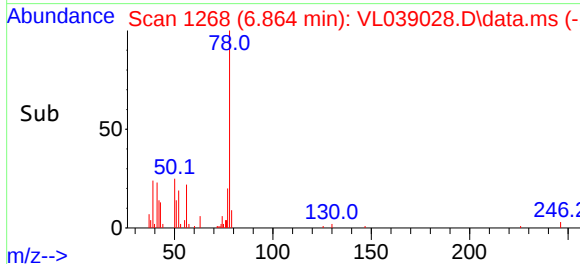
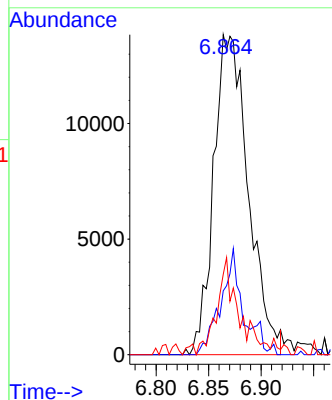
Tgt Ion: 78 Resp: 31652
Ion Ratio Lower Upper
78 100
77 20.0 18.6 28.0
50 25.1 15.6 23.4

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

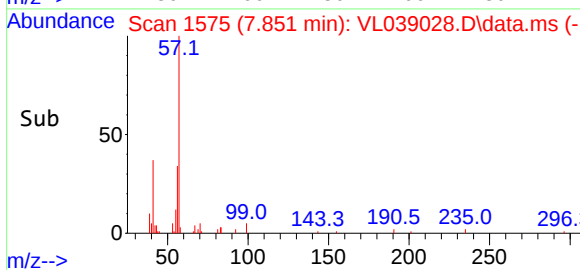
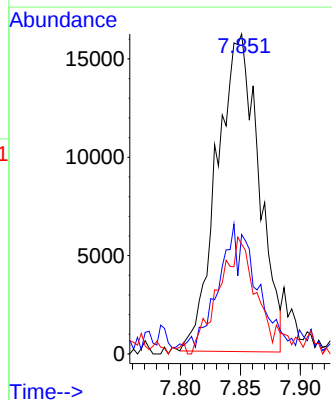
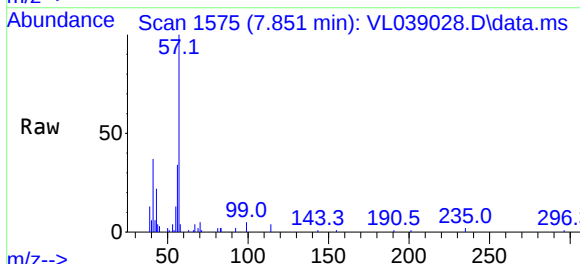
05/15/2022
Supervised By :Mahesh
Dadoda

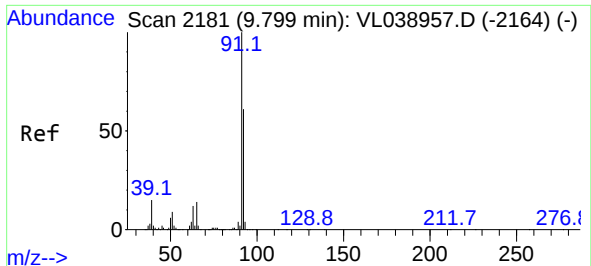
05/16/2022



#44
2,2,4-Trimethylpentane
Concen: 0.110 ppbv
RT: 7.851 min Scan# 1575
Delta R.T. -0.013 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

Tgt Ion: 57 Resp: 39021
Ion Ratio Lower Upper
57 100
41 40.0 26.3 39.5#
56 37.7 24.6 37.0#





#53
Toluene
Concen: 0.234 ppbv
RT: 9.780 min Scan# 2181
Delta R.T. -0.019 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

Instrument :
MSVOA_L
ClientSampleId :
OA1

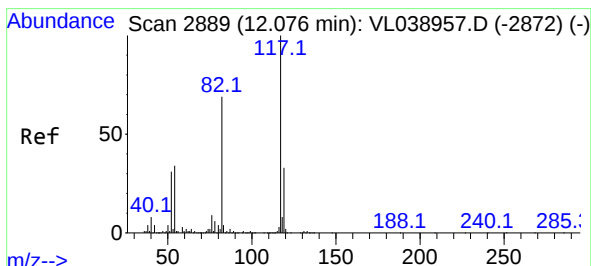
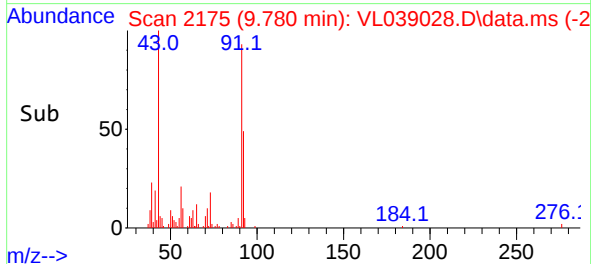
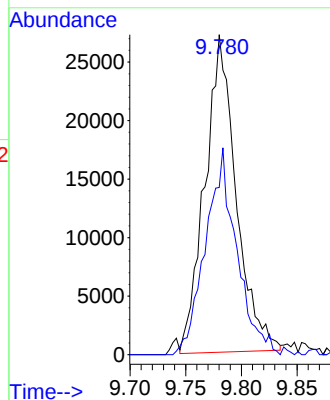
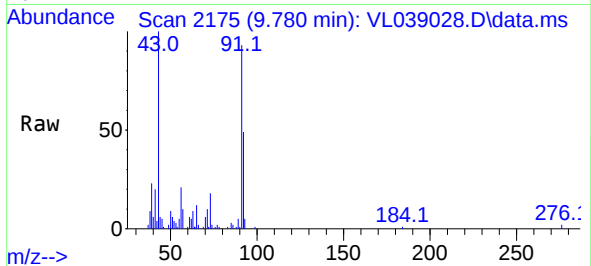
Tgt Ion: 91 Resp: 52950
Ion Ratio Lower Upper
91 100
92 65.2 48.2 72.2

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt

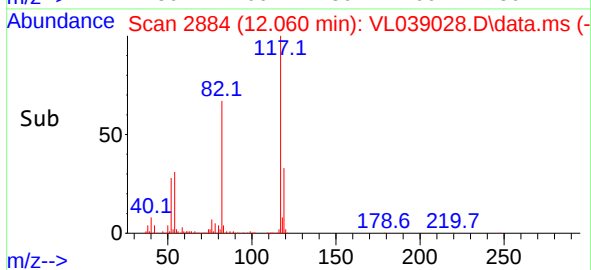
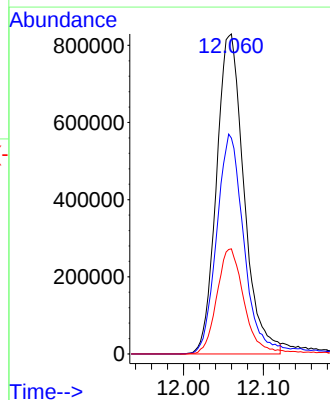
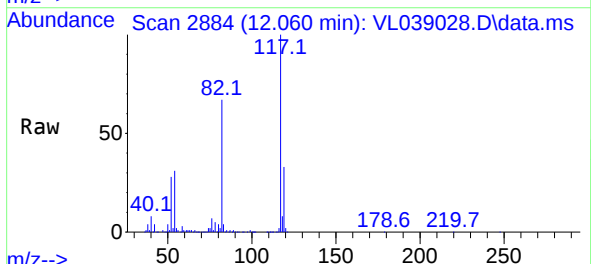
05/15/2022
Supervised By :Mahesh
Dadoda

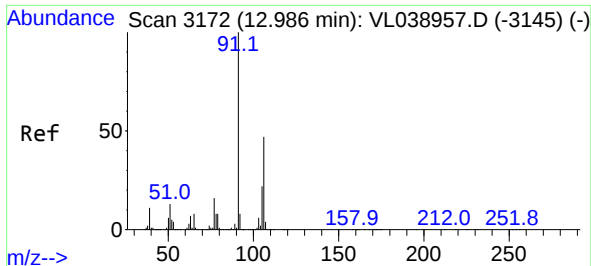
05/16/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.060 min Scan# 2884
Delta R.T. -0.016 min
Lab File: VL039028.D
Acq: 11 May 2022 20:26

Tgt Ion:117 Resp: 1978981
Ion Ratio Lower Upper
117 100
82 70.4 57.0 85.6
119 33.8 27.2 40.8





#59

m/p-Xylene

Concen: 0.143 ppbv

RT: 12.944 min Scan# 3172

Delta R.T. -0.042 min

Lab File: VL039028.D

Acq: 11 May 2022 20:26

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 91 Resp: 3471

Ion Ratio Lower Upper

91 100

106 0.0 34.6 52.0

Manual Integrations

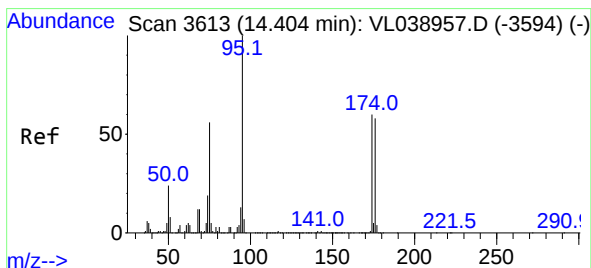
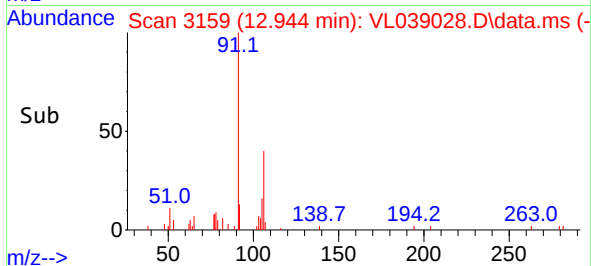
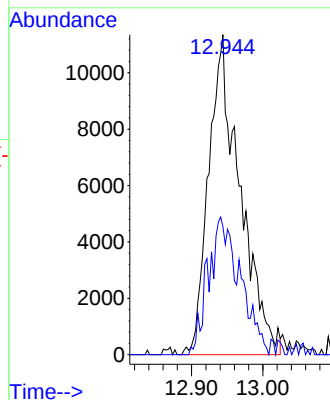
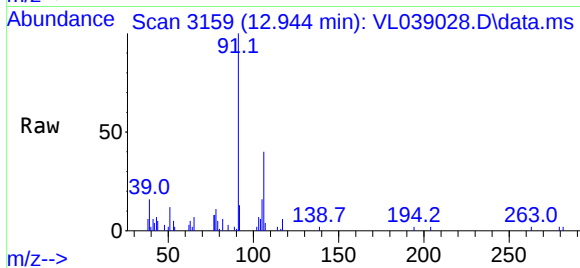
APPROVED

Reviewed By :Semsettin

Yesilyurt 05/15/202

2

Supervised By :Mahesh Dadoda 05/16/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.819 ppbv

RT: 14.388 min Scan# 3608

Delta R.T. -0.016 min

Lab File: VL039028.D

Acq: 11 May 2022 20:26

Tgt Ion: 95 Resp: 1538943

Ion Ratio Lower Upper

95 100

174 65.1 50.8 76.2

175 4.4 3.8 5.6

