

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
 Data File : VL039099.D
 Acq On : 24 May 2022 1:04
 Operator : SY/AP
 Sample : N2956-05DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-2DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt
 05/25/2022

Supervised By : Mahesh
 Dadoda
 05/26/2022

Quant Time: May 24 06:04:56 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 26 13:03:44 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	1353755	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.153	114	3581869	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.060	117	3140286	10.000	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 14.388 95 2401487 9.656 ppbv -0.02
 Spiked Amount 10.000 Range 65 - 135 Recovery = 96.600%

Target Compounds

						Qvalue
9) Propene	3.005	41	1498926	20.433	ppbv	93
10) Heptane	8.098	43	53826	0.299	ppbv	97
13) Ethanol	3.600	45	49707m	9.575	ppbv	
15) Acetone	3.832	43	3812115	29.852	ppbv	95
17) tert-Butyl alcohol	4.298	59	42492m	0.433	ppbv	
19) Isopropyl Alcohol	3.954	45	106060m	1.747	ppbv	
20) Methylene Chloride	4.330	84	183469	3.812	ppbv	94
26) Hexane	5.674	57	230543	1.698	ppbv #	42
27) Carbon Disulfide	4.542	76	13988	0.108	ppbv #	35
32) 1,1,1-Trichloroethane	6.497	97	348374	1.586	ppbv	98
34) 2-Butanone	5.227	43	585453	3.204	ppbv	96
36) Benzene	6.870	78	252364	0.823	ppbv	93
41) Tetrahydrofuran	6.037	42	152968	1.246	ppbv	96
50) 4-Methyl-2-Pentanone	8.735	43	163885m	0.511	ppbv	
51) 2-Hexanone	10.121	43	38704m	0.165	ppbv	
52) Tetrachloroethene	11.195	164	21986m	0.201	ppbv	
53) Toluene	9.780	91	368074	1.071	ppbv	97
58) Ethyl Benzene	12.687	91	136627	0.302	ppbv	92
59) m/p-Xylene	12.941	91	502101m	1.301	ppbv	
60) o-Xylene	13.664	91	209904	0.578	ppbv	99
64) n-propylbenzene	15.529	120	17355m	0.135	ppbv	
70) n-Butylbenzene	18.526	91	62870m	0.110	ppbv	
72) 4-Ethyltoluene	15.815	105	126480	0.306	ppbv	98
73) 1,3,5-Trimethylbenzene	15.966	105	146646	0.394	ppbv	99
74) 1,2,4-Trimethylbenzene	16.728	105	558369	1.369	ppbv #	64
79) Naphthalene	22.159	128	61155m	0.185	ppbv	

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052322\
Data File : VL039099.D
Acq On : 24 May 2022 1:04
Operator : SY/AP
Sample : N2956-05DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

Quant Time: May 24 06:04:56 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

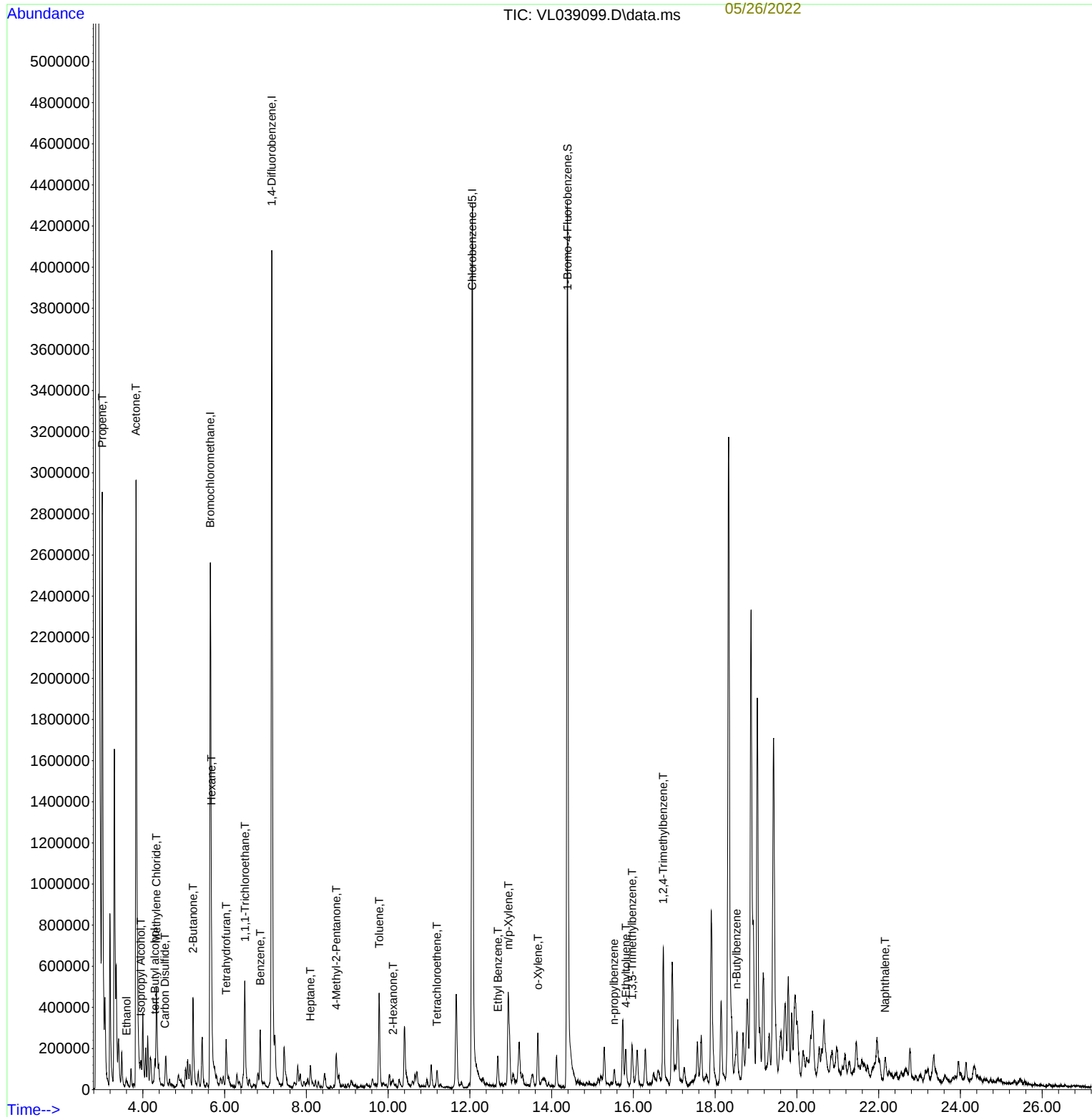
Reviewed By :Semsettin
Yesilyurt

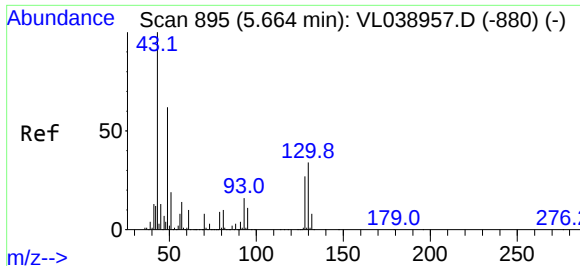
05/25/2022

Supervised By :Mahesh

Dadoda

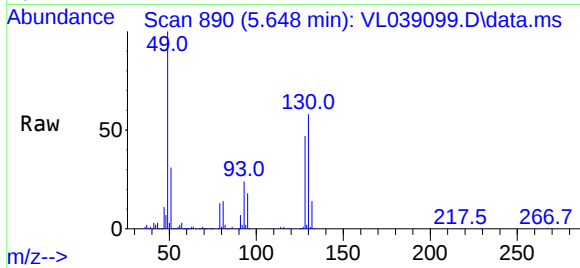
05/26/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.648 min Scan# 895
Delta R.T. -0.016 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

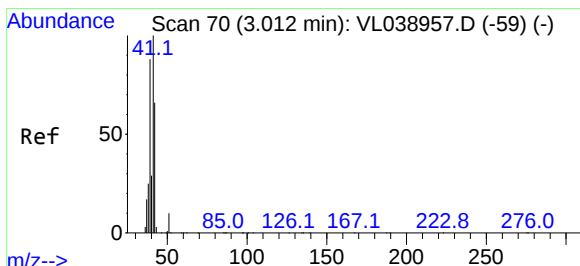
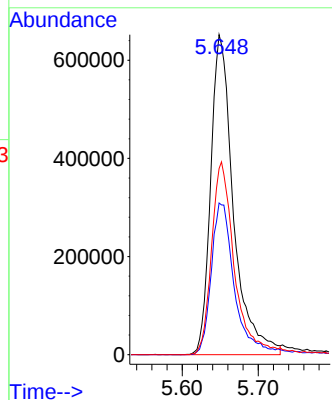
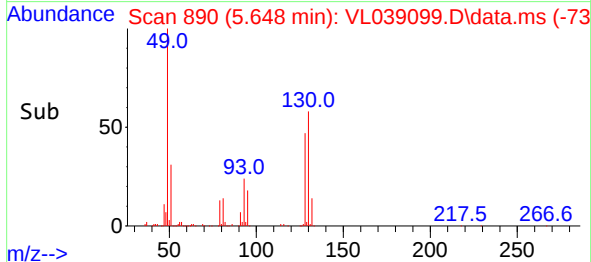


Tgt Ion: 49 Resp: 135375
Ion Ratio Lower Upper
49 100
128 49.8 23.3 69.8
130 62.7 29.8 89.3

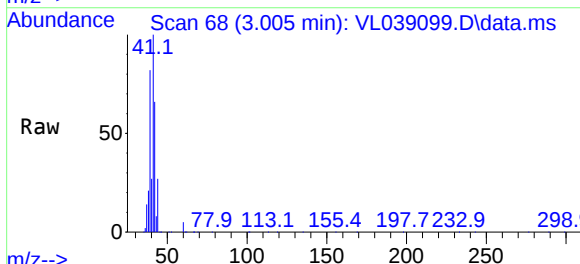
Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt
05/25/2022

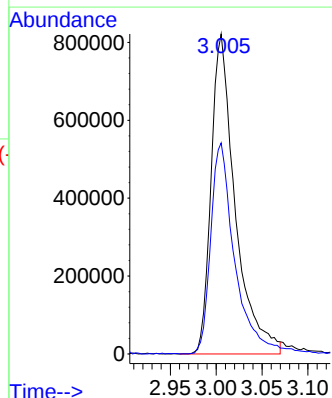
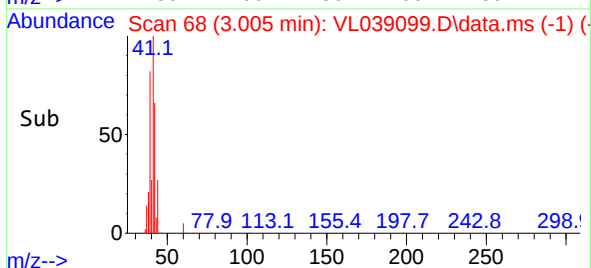
Supervised By :Mahesh
Dadoda
05/26/2022

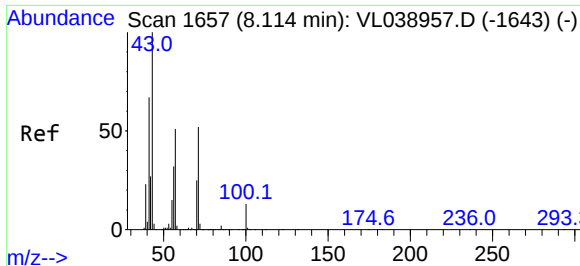


#9
Propene
Concen: 20.433 ppbv
RT: 3.005 min Scan# 68
Delta R.T. -0.006 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04



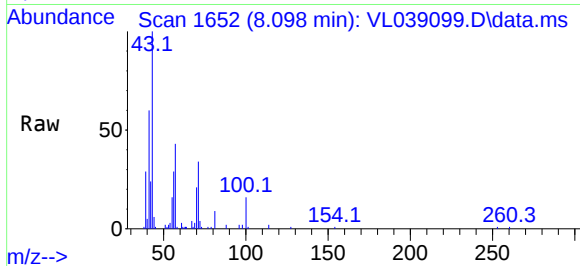
Tgt Ion: 41 Resp: 1498926
Ion Ratio Lower Upper
41 100
42 66.8 58.3 87.5





#10
Heptane
Concen: 0.299 ppbv
RT: 8.098 min Scan# 1
Delta R.T. -0.016 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

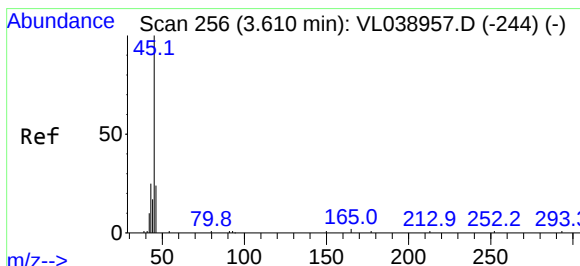
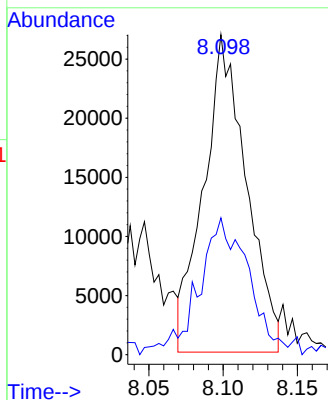
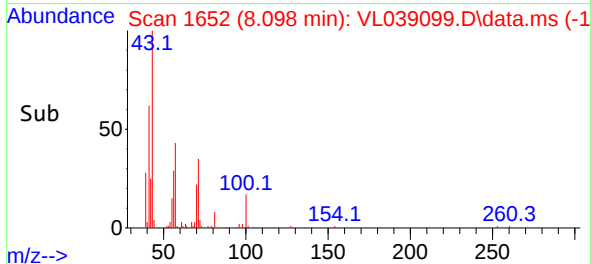
Instrument :
MSVOA_L
ClientSampleId :
VP-2DL



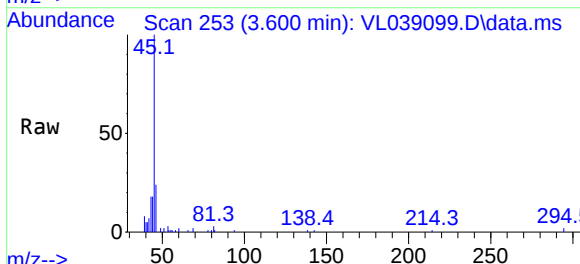
Tgt Ion: 43 Resp: 53820
Ion Ratio Lower Upper
43 100
57 52.4 40.5 60.7

Manual Integrations
APPROVED

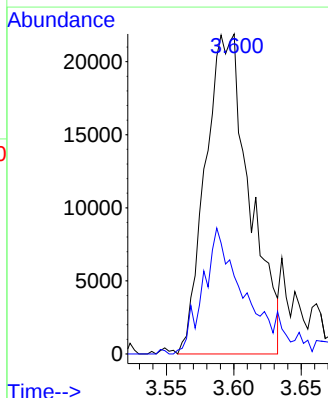
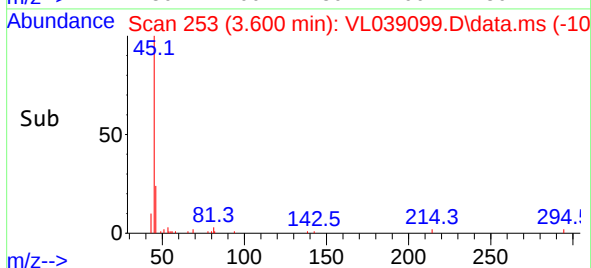
Reviewed By :Semsettin
Yesilyurt
05/25/2022
Supervised By :Mahesh
Dadoda
05/26/2022

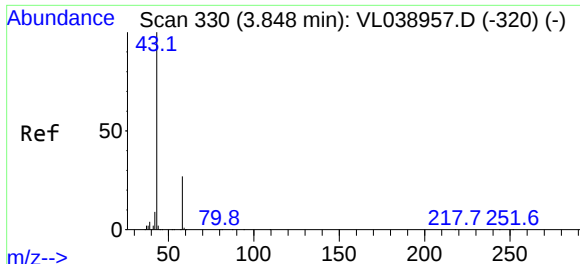


#13
Ethanol
Concen: 9.575 ppbv m
RT: 3.600 min Scan# 253
Delta R.T. -0.010 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04



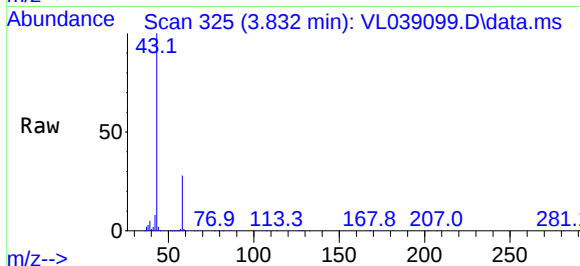
Tgt Ion: 45 Resp: 49707
Ion Ratio Lower Upper
45 100
46 0.0 18.0 72.2#





#15
Acetone
Concen: 29.852 ppbv
RT: 3.832 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

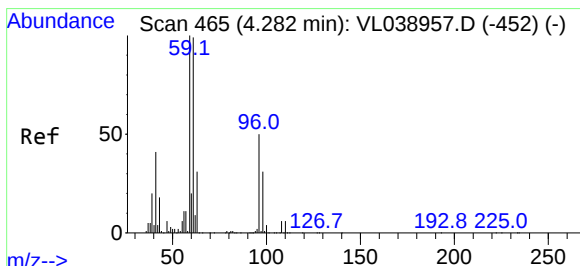
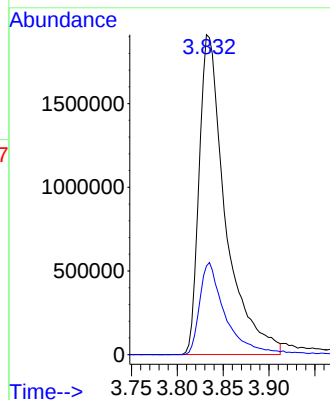
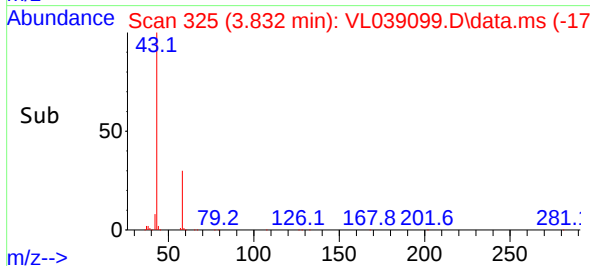
Instrument :
MSVOA_L
ClientSampleId :
VP-2DL



Tgt Ion: 43 Resp: 381211
Ion Ratio Lower Upper
43 100
58 29.1 21.3 31.9

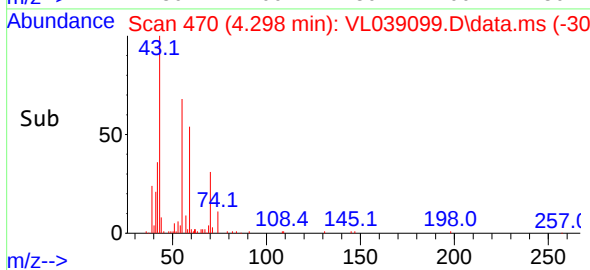
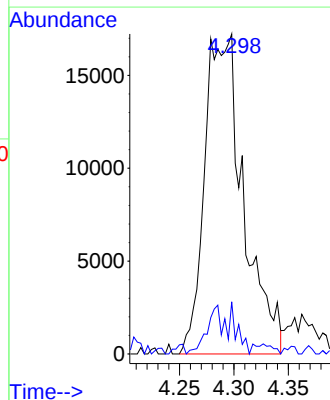
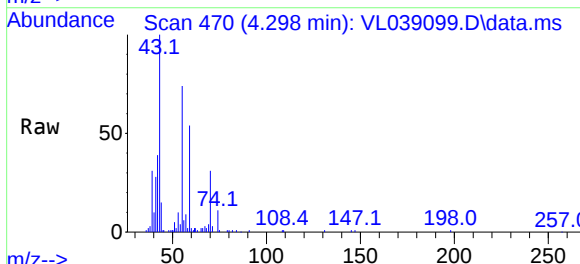
Manual Integrations
APPROVED

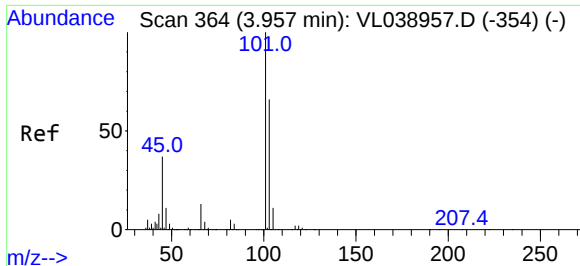
Reviewed By :Semsettin
Yesilyurt
05/25/2022
Supervised By :Mahesh
Dadoda
05/26/2022



#17
tert-Butyl alcohol
Concen: 0.433 ppbv m
RT: 4.298 min Scan# 470
Delta R.T. 0.016 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

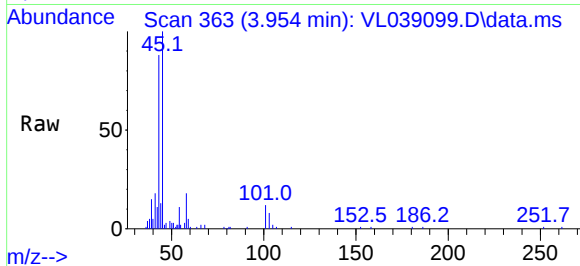
Tgt Ion: 59 Resp: 42492
Ion Ratio Lower Upper
59 100
57 0.0 9.2 13.8#





#19
Isopropyl Alcohol
Concen: 1.747 ppbv m
RT: 3.954 min Scan# 30
Delta R.T. -0.003 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

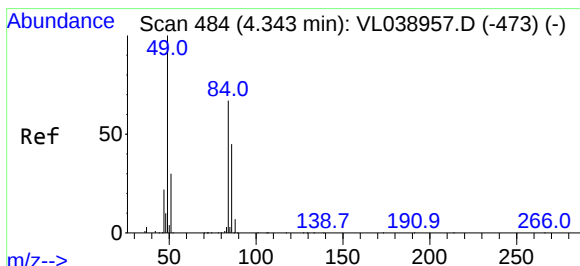
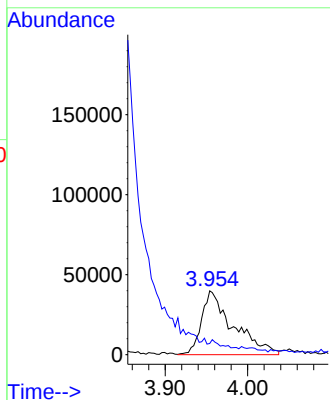
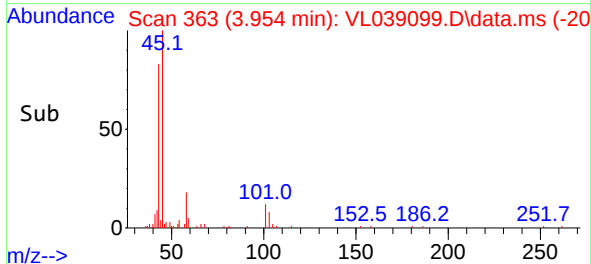


Tgt Ion: 45 Resp: 106060
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.2

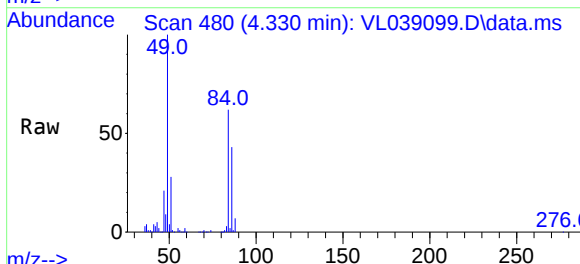
Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt
05/25/2022

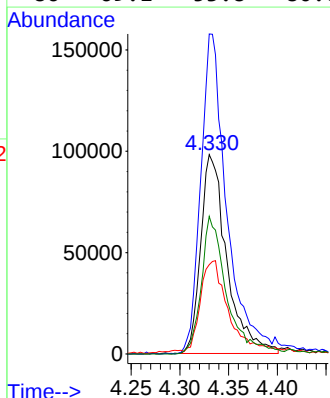
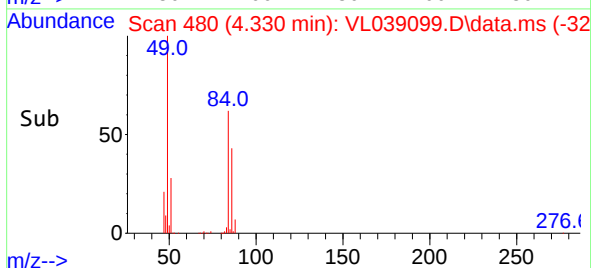
Supervised By :Mahesh
Dadoda
05/26/2022

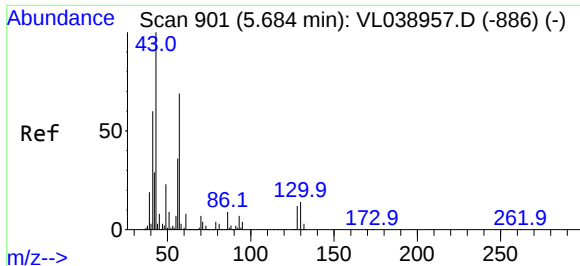


#20
Methylene Chloride
Concen: 3.812 ppbv
RT: 4.330 min Scan# 480
Delta R.T. -0.013 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04



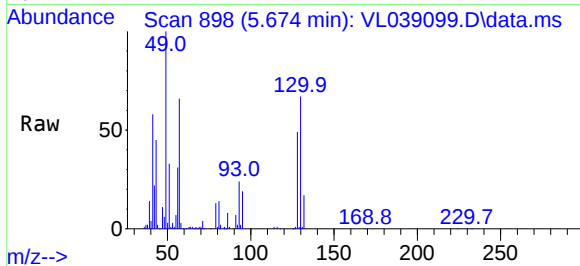
Tgt Ion: 84 Resp: 183469
Ion Ratio Lower Upper
84 100
49 160.3 119.9 179.9
51 43.2 35.7 53.5
86 69.1 53.8 80.6





#26
Hexane
Concen: 1.698 ppbv
RT: 5.674 min Scan# 898
Delta R.T. -0.010 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

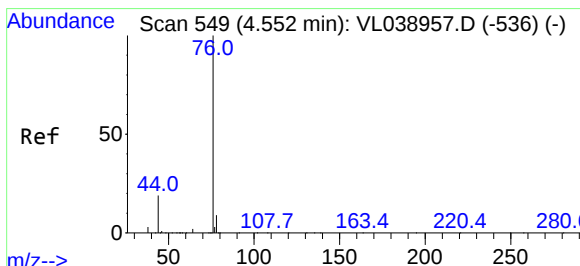
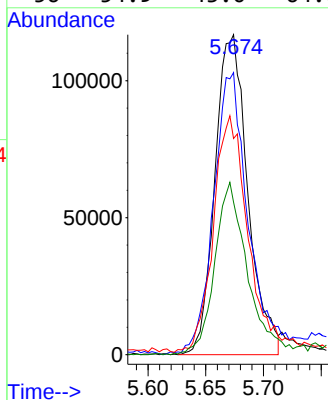
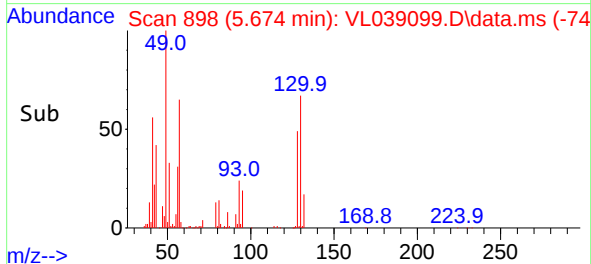


Tgt Ion: 57 Resp: 230543
Ion Ratio Lower Upper
57 100
41 96.3 75.2 112.8
43 80.9 190.8 286.2
56 54.9 43.0 64.6

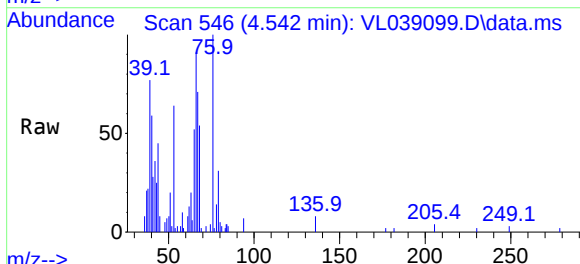
Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt
05/25/2022

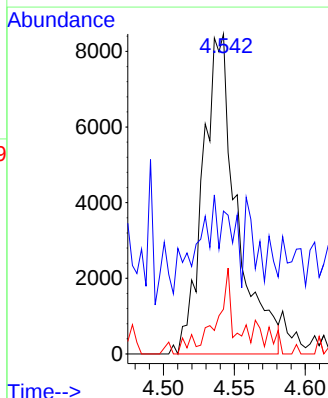
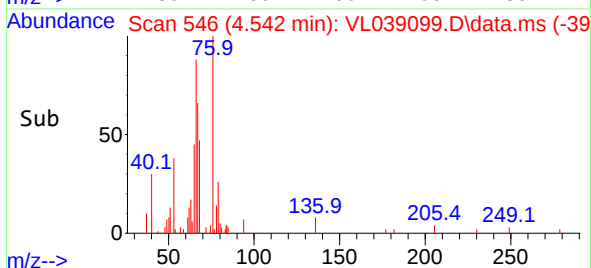
Supervised By :Mahesh
Dadoda
05/26/2022

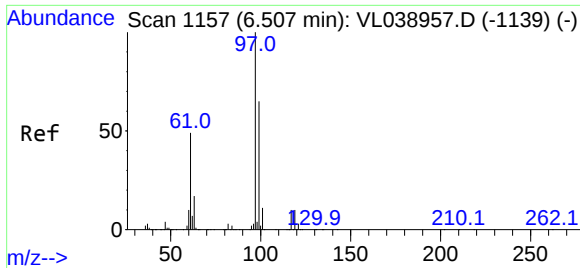


#27
Carbon Disulfide
Concen: 0.108 ppbv
RT: 4.542 min Scan# 546
Delta R.T. -0.010 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04



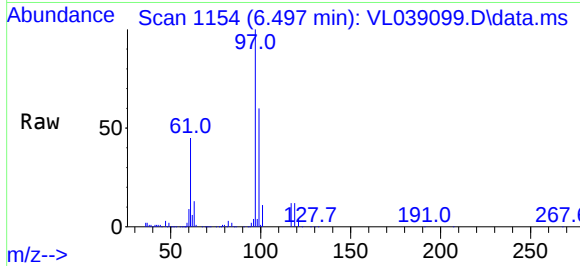
Tgt Ion: 76 Resp: 13988
Ion Ratio Lower Upper
76 100
44 57.4 15.3 22.9#
78 20.2 8.2 12.2#





#32
1,1,1-Trichloroethane
Concen: 1.586 ppbv
RT: 6.497 min Scan# 1157
Delta R.T. -0.010 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

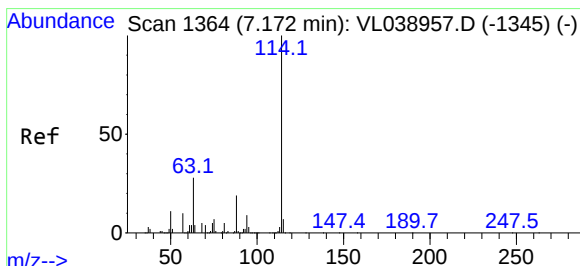
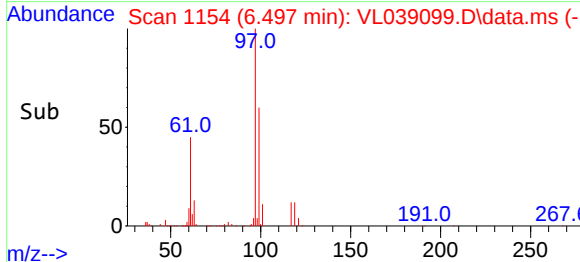
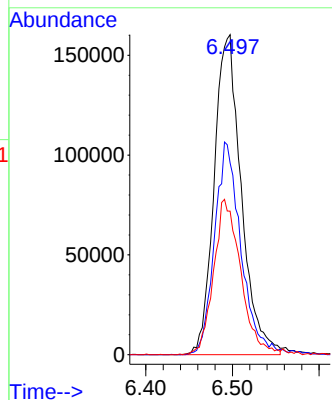


Tgt Ion: 97 Resp: 348374
Ion Ratio Lower Upper
97 100
99 65.6 51.9 77.9
61 49.3 40.9 61.3

Manual Integrations
APPROVED

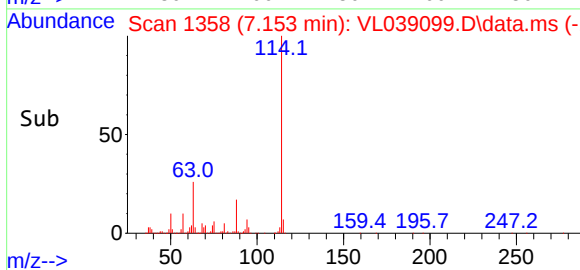
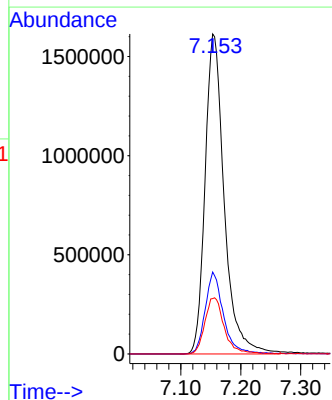
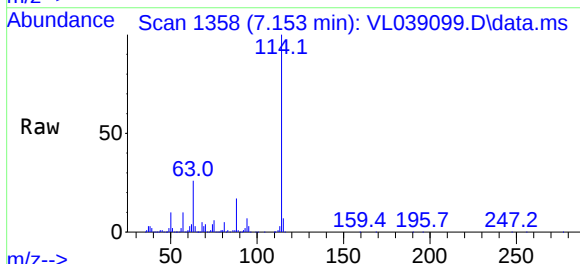
Reviewed By :Semsettin
Yesilyurt
05/25/2022

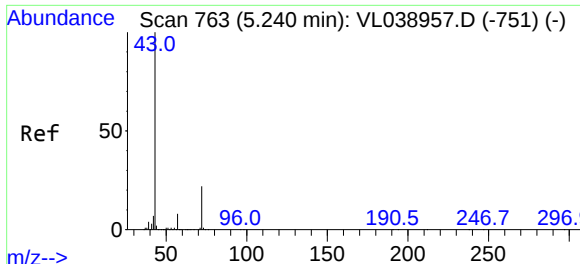
Supervised By :Mahesh
Dadoda
05/26/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.153 min Scan# 1358
Delta R.T. -0.019 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

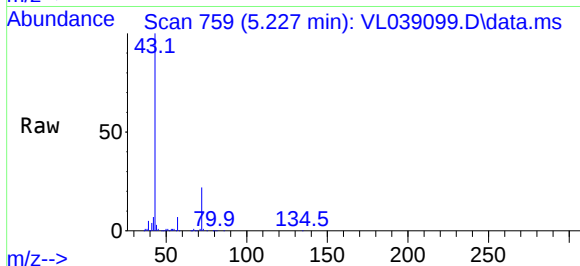
Tgt Ion:114 Resp: 3581869
Ion Ratio Lower Upper
114 100
63 24.6 22.6 33.8
88 18.0 15.4 23.0





#34
2-Butanone
Concen: 3.204 ppbv
RT: 5.227 min Scan# 71
Delta R.T. -0.013 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

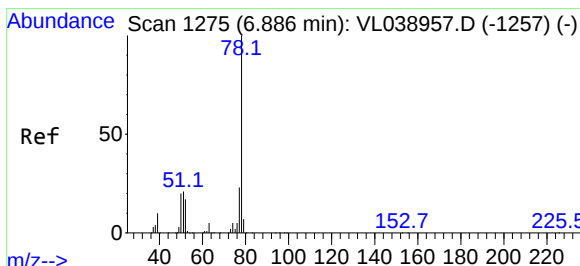
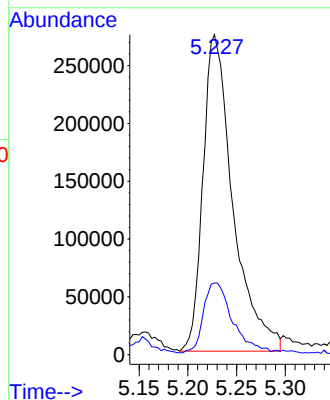
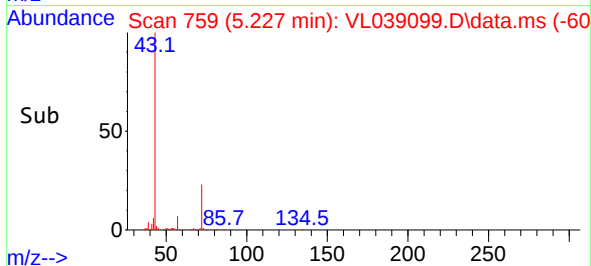
Instrument :
MSVOA_L
ClientSampleId :
VP-2DL



Tgt Ion: 43 Resp: 58545
Ion Ratio Lower Upper
43 100
72 23.9 17.8 26.6

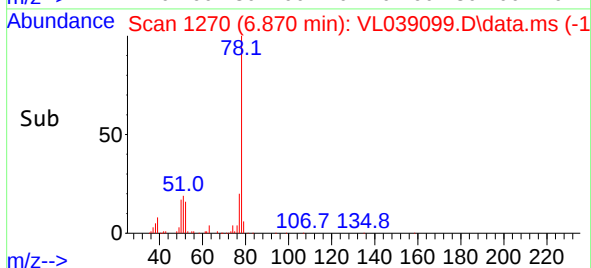
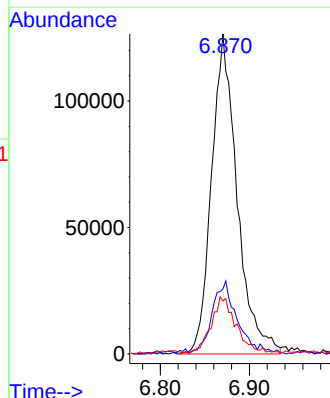
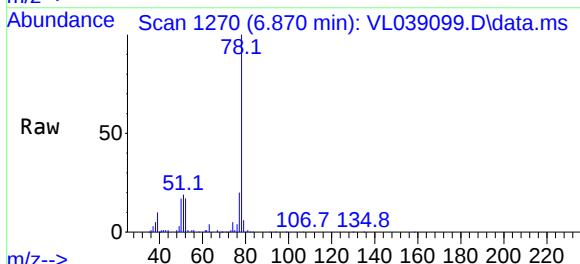
Manual Integrations
APPROVED

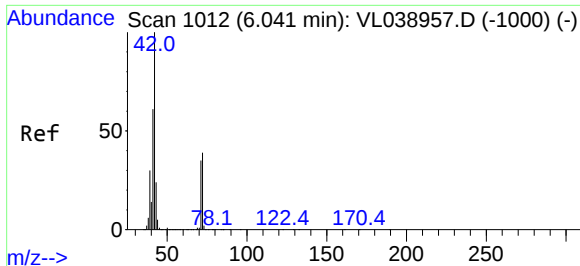
Reviewed By :Semsettin
Yesilyurt
05/25/2022
Supervised By :Mahesh
Dadoda
05/26/2022



#36
Benzene
Concen: 0.823 ppbv
RT: 6.870 min Scan# 1270
Delta R.T. -0.016 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

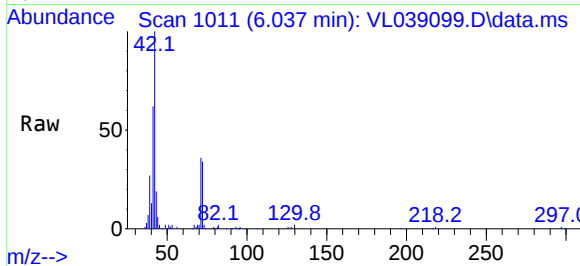
Tgt Ion: 78 Resp: 252364
Ion Ratio Lower Upper
78 100
77 20.0 18.6 28.0
50 16.1 15.6 23.4





#41
Tetrahydrofuran
Concen: 1.246 ppbv
RT: 6.037 min Scan# 1012
Delta R.T. -0.003 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

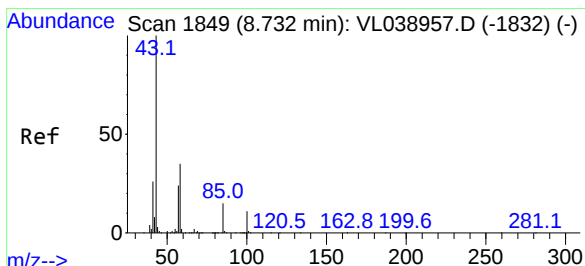
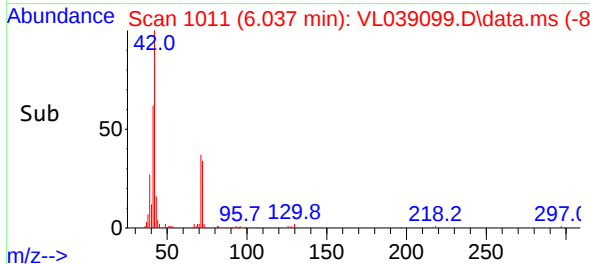
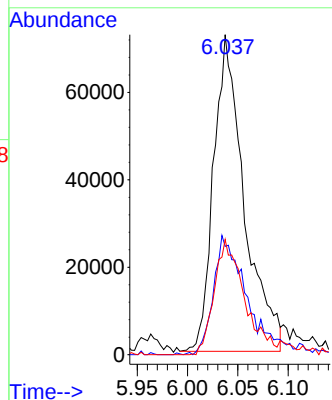


Tgt Ion: 42 Resp: 152968
Ion Ratio Lower Upper
42 100
72 42.7 31.8 47.6
71 39.8 30.6 45.8

Manual Integrations
APPROVED

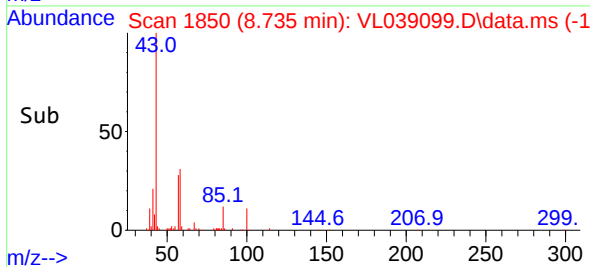
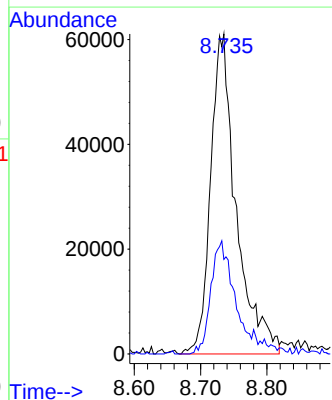
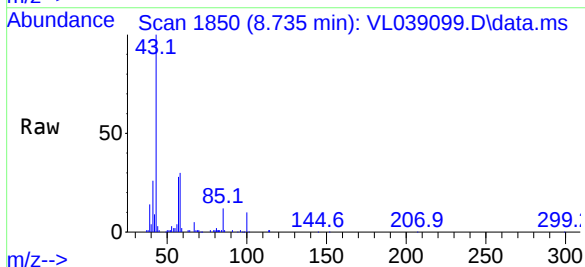
Reviewed By :Semsettin
Yesilyurt
05/25/2022

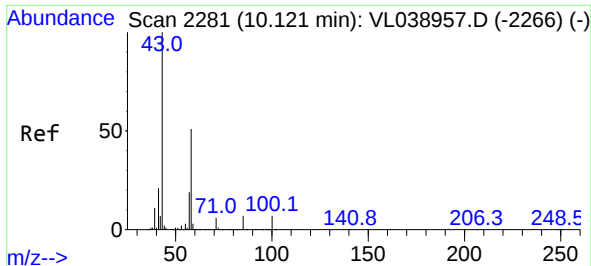
Supervised By :Mahesh
Dadoda
05/26/2022



#50
4-Methyl-2-Pentanone
Concen: 0.511 ppbv m
RT: 8.735 min Scan# 1850
Delta R.T. 0.003 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

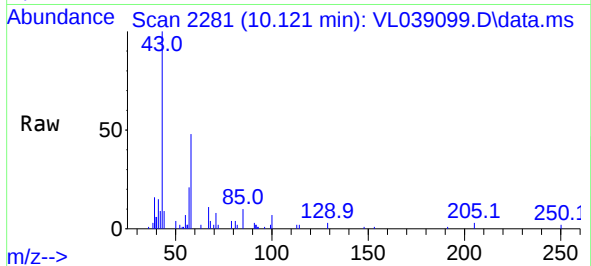
Tgt Ion: 43 Resp: 163885
Ion Ratio Lower Upper
43 100
58 35.5 28.4 42.6





#51
2-Hexanone
Concen: 0.165 ppbv m
RT: 10.121 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

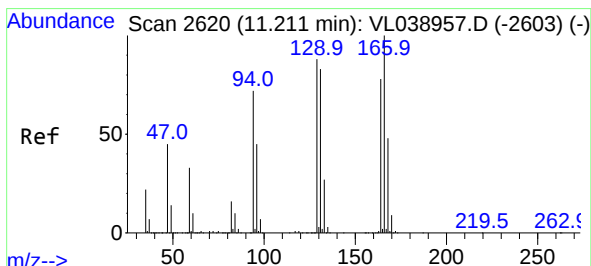
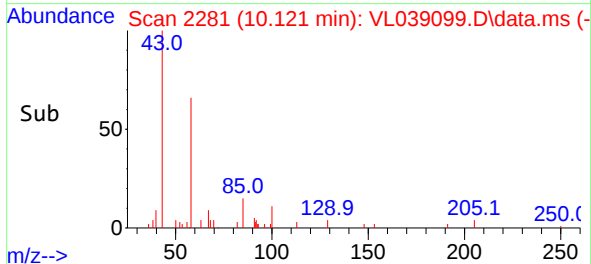
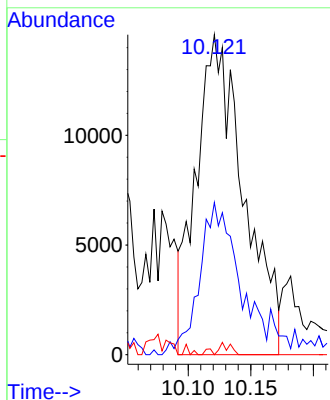


Tgt Ion: 43 Resp: 38704
Ion Ratio Lower Upper
43 100
58 0.0 39.3 58.9#
98 0.0 0.2 0.2#

Manual Integrations
APPROVED

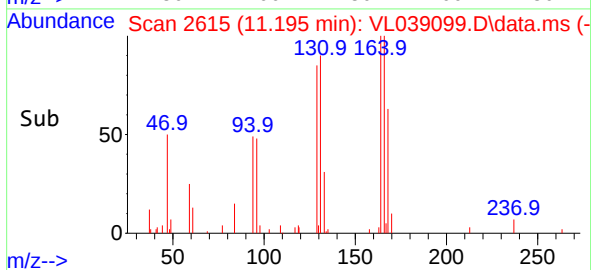
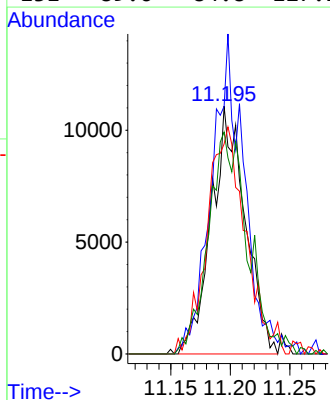
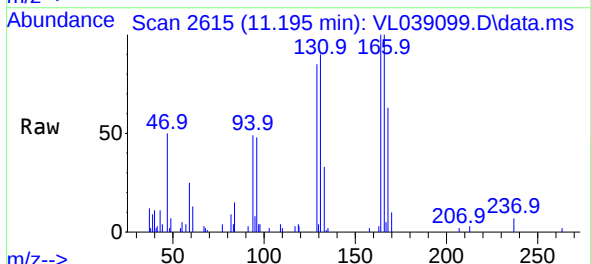
Reviewed By :Semsettin
Yesilyurt
05/25/2022

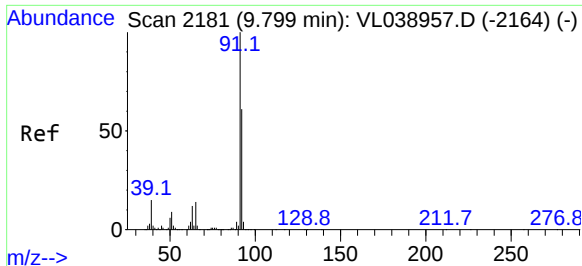
Supervised By :Mahesh
Dadoda
05/26/2022



#52
Tetrachloroethene
Concen: 0.201 ppbv m
RT: 11.195 min Scan# 2615
Delta R.T. -0.016 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

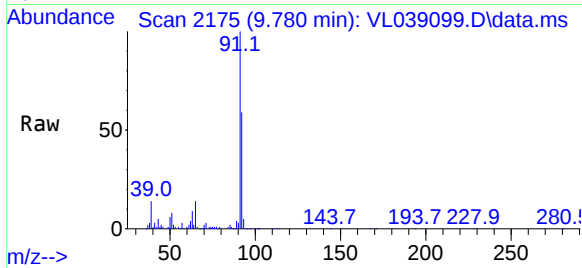
Tgt Ion:164 Resp: 21986
Ion Ratio Lower Upper
164 100
166 99.9 102.5 153.7#
129 84.8 90.1 135.1#
131 89.6 84.8 127.2





#53
Toluene
Concen: 1.071 ppbv
RT: 9.780 min Scan# 2181
Delta R.T. -0.019 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

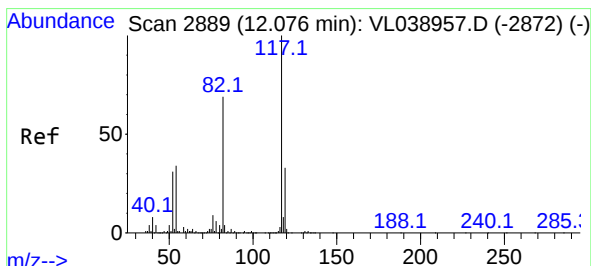
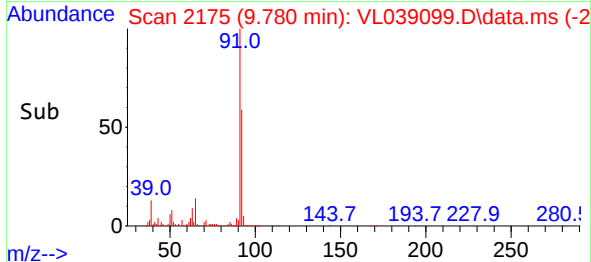
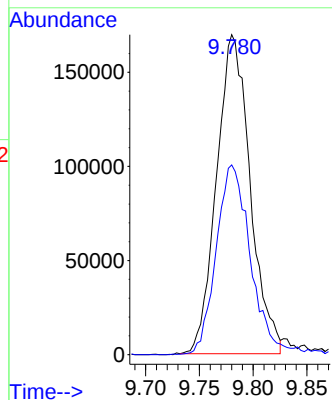


Tgt Ion: 91 Resp: 368074
Ion Ratio Lower Upper
91 100
92 62.7 48.2 72.2

Manual Integrations
APPROVED

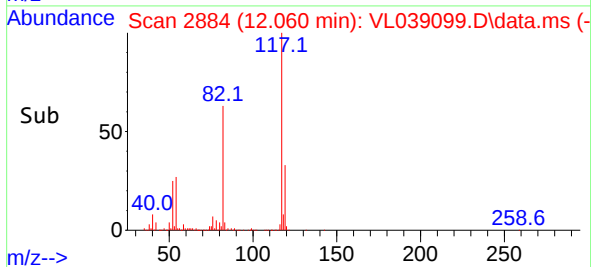
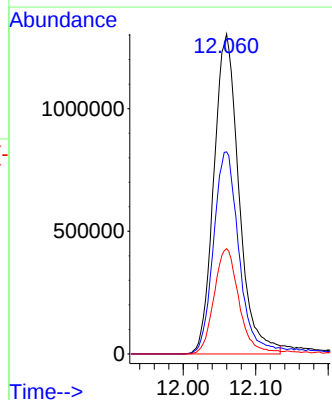
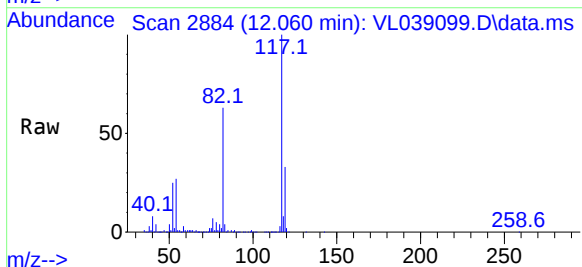
Reviewed By :Semsettin
Yesilyurt
05/25/2022

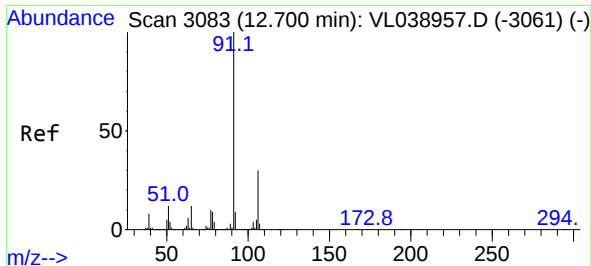
Supervised By :Mahesh
Dadoda
05/26/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.060 min Scan# 2884
Delta R.T. -0.016 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

Tgt Ion:117 Resp: 3140286
Ion Ratio Lower Upper
117 100
82 68.0 57.0 85.6
119 33.6 27.2 40.8





#58

Ethyl Benzene

Concen: 0.302 ppbv

RT: 12.687 min Scan# 3083

Delta R.T. -0.013 min

Lab File: VL039099.D

Acq: 24 May 2022 1:04

Instrument :

MSVOA_L

ClientSampleId :

VP-2DL

Tgt Ion: 91 Resp: 13662

Ion Ratio Lower Upper

91 100

106 26.0 24.2 36.4

Manual Integrations

APPROVED

Reviewed By :Semsettin

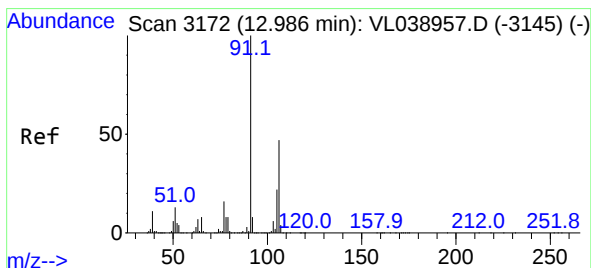
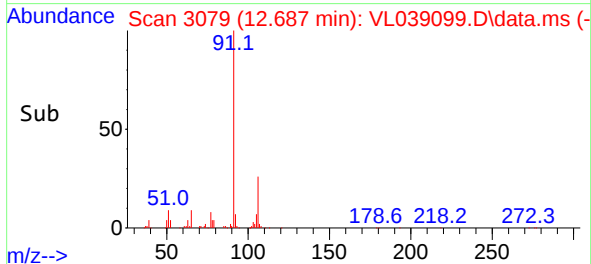
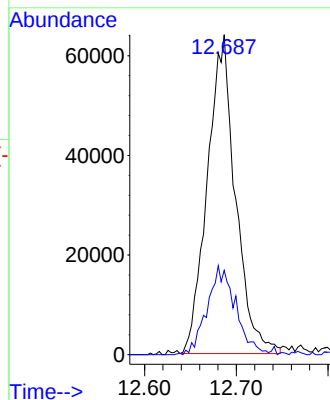
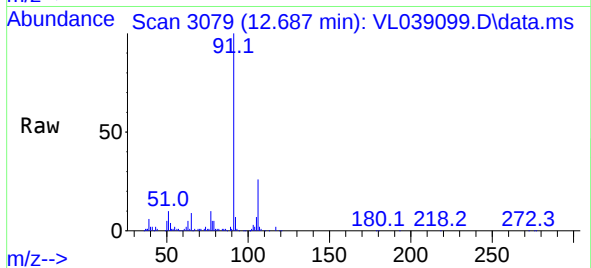
Yesilyurt

05/25/2022

Supervised By :Mahesh

Dadoda

05/26/2022



#59

m/p-Xylene

Concen: 1.301 ppbv m

RT: 12.941 min Scan# 3158

Delta R.T. -0.045 min

Lab File: VL039099.D

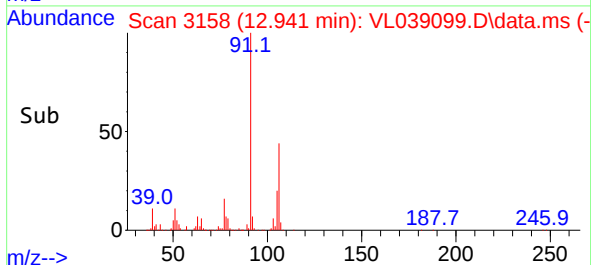
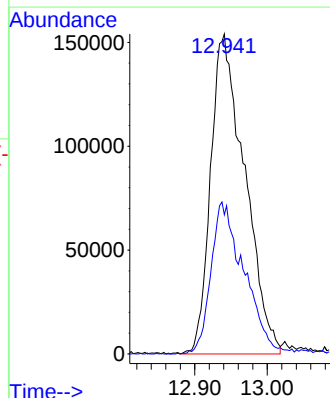
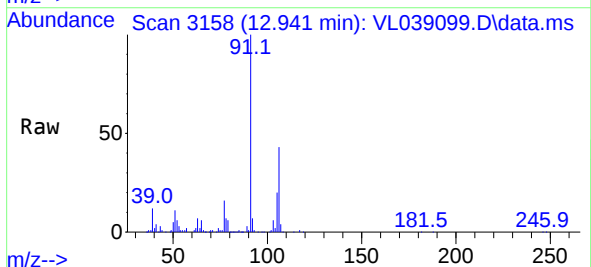
Acq: 24 May 2022 1:04

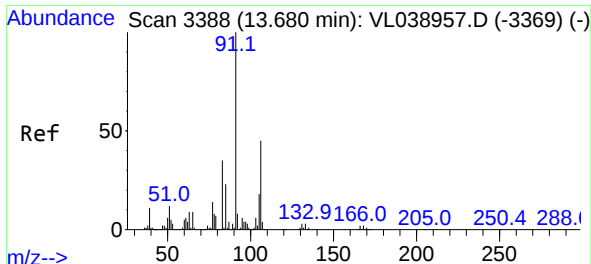
Tgt Ion: 91 Resp: 502101

Ion Ratio Lower Upper

91 100

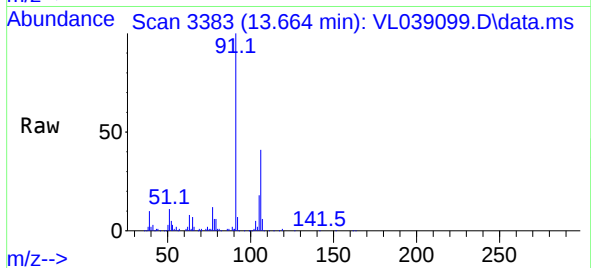
106 46.3 34.6 52.0





#60
o-Xylene
Concen: 0.578 ppbv
RT: 13.664 min Scan# 31
Delta R.T. -0.016 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

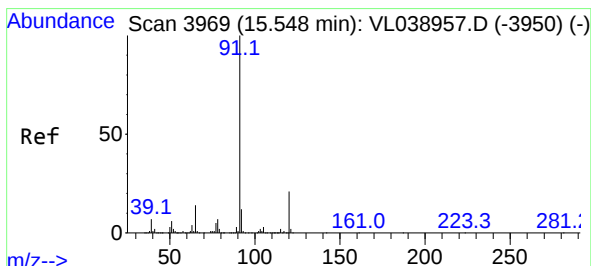
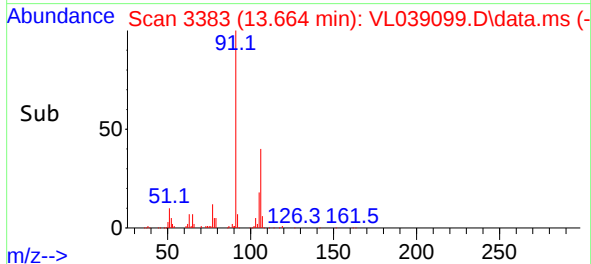
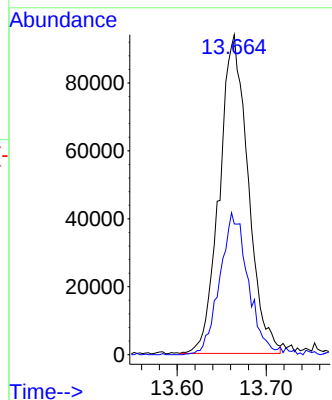
Instrument :
MSVOA_L
ClientSampleId :
VP-2DL



Tgt Ion: 91 Resp: 209904
Ion Ratio Lower Upper
91 100
106 44.9 22.2 66.6

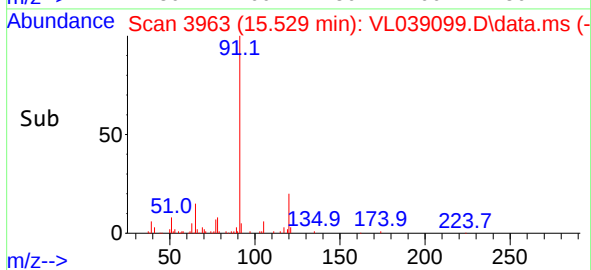
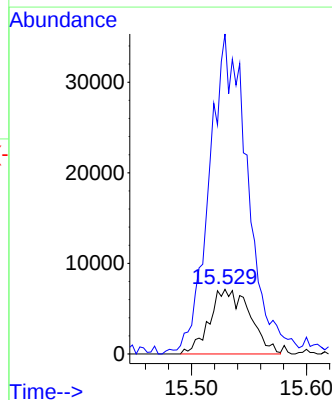
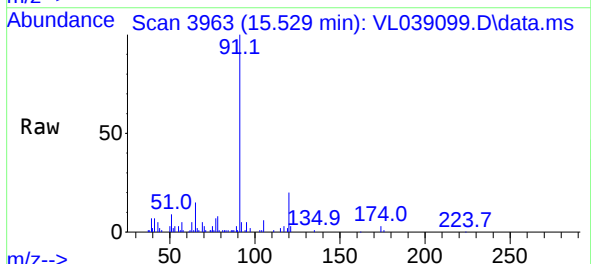
Manual Integrations
APPROVED

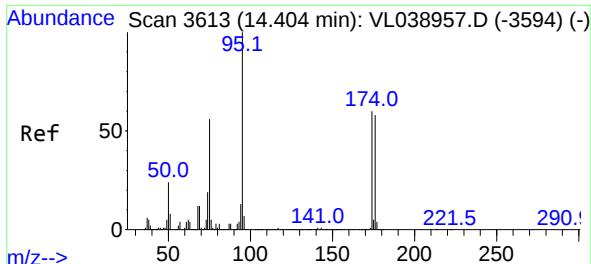
Reviewed By :Semsettin
Yesilyurt
05/25/2022
Supervised By :Mahesh
Dadoda
05/26/2022



#64
n-propylbenzene
Concen: 0.135 ppbv m
RT: 15.529 min Scan# 3963
Delta R.T. -0.019 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

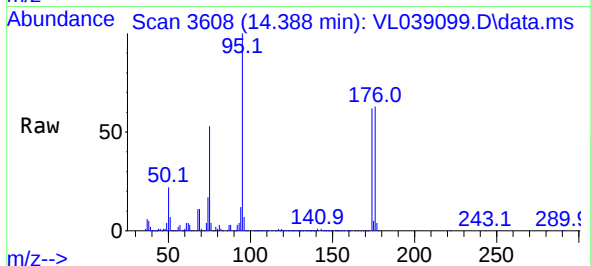
Tgt Ion:120 Resp: 17355
Ion Ratio Lower Upper
120 100
91 486.4 400.6 601.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.656 ppbv
RT: 14.388 min Scan# 3608
Delta R.T. -0.016 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

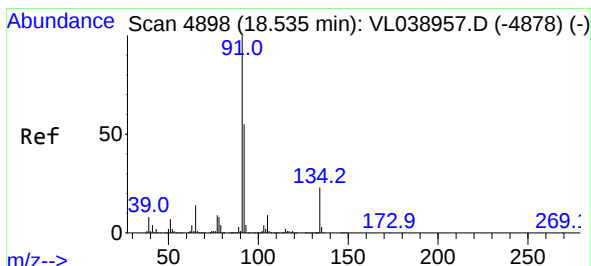
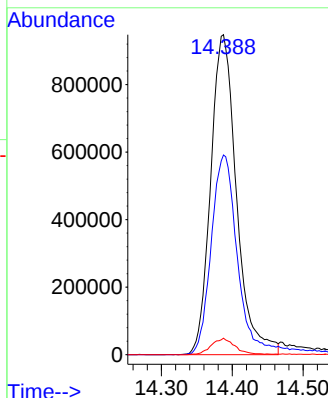
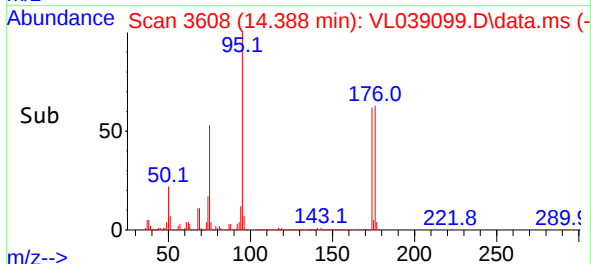


Tgt Ion: 95 Resp: 240148
Ion Ratio Lower Upper
95 100
174 66.3 50.8 76.2
175 4.9 3.8 5.6

Manual Integrations
APPROVED

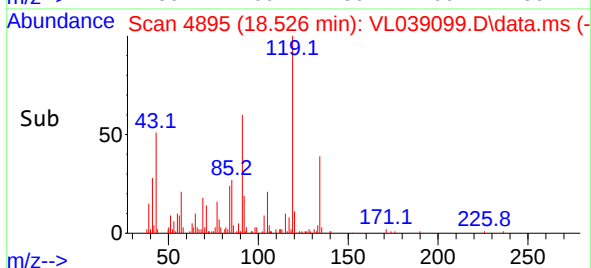
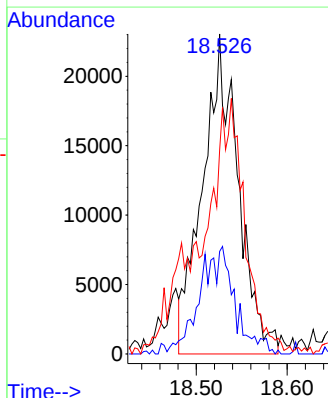
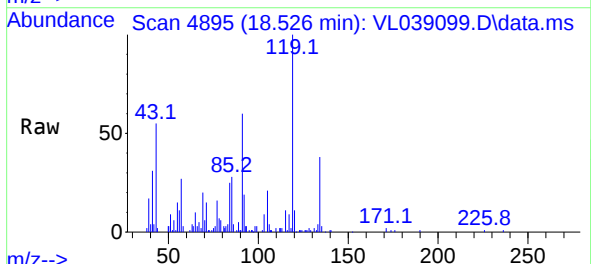
Reviewed By :Semsettin
Yesilyurt
05/25/2022

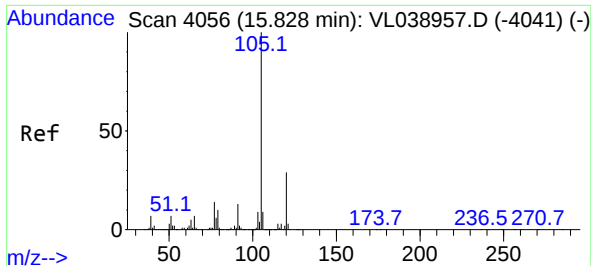
Supervised By :Mahesh
Dadoda
05/26/2022



#70
n-Butylbenzene
Concen: 0.110 ppbv m
RT: 18.526 min Scan# 4895
Delta R.T. -0.010 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

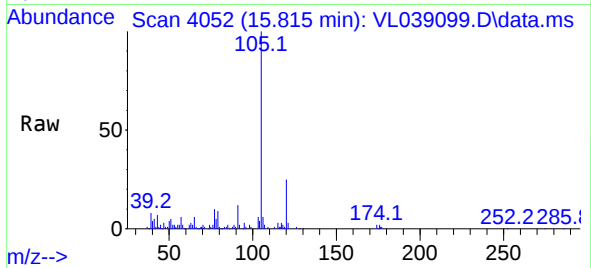
Tgt Ion: 91 Resp: 62870
Ion Ratio Lower Upper
91 100
92 0.0 43.1 64.7#
134 0.0 17.0 25.4#





#72
4-Ethyltoluene
Concen: 0.306 ppbv
RT: 15.815 min Scan# 4056
Delta R.T. -0.013 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

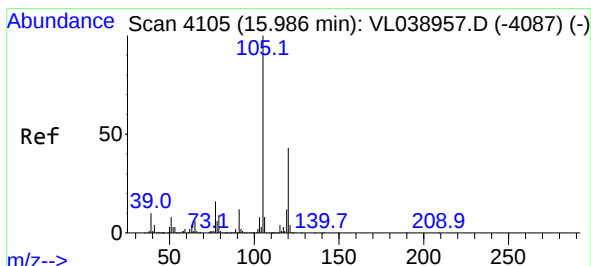
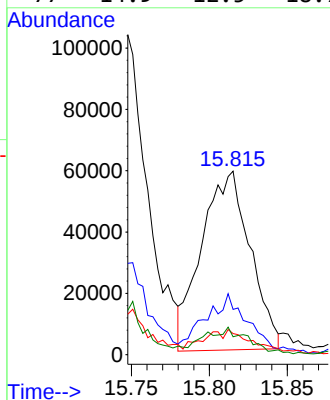
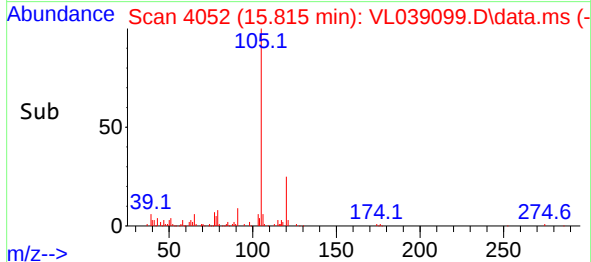
Instrument :
MSVOA_L
ClientSampleId :
VP-2DL



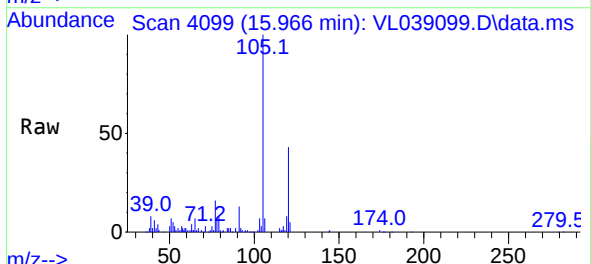
Tgt Ion:105 Resp: 126480
Ion Ratio Lower Upper
105 100
120 30.2 23.4 35.0
91 14.1 10.6 16.0
77 14.9 12.5 18.7

Manual Integrations
APPROVED

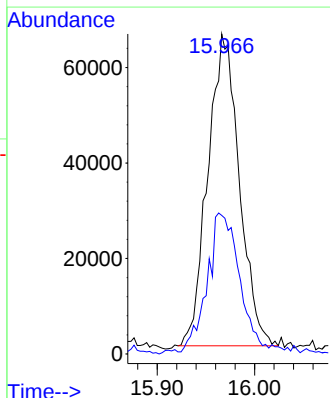
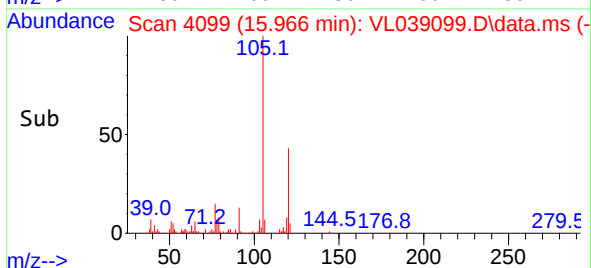
Reviewed By :Semsettin
Yesilyurt
05/25/2022
Supervised By :Mahesh
Dadoda
05/26/2022

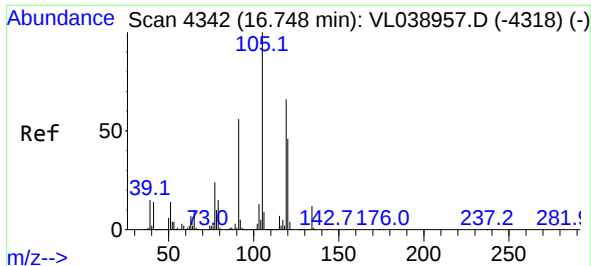


#73
1,3,5-Trimethylbenzene
Concen: 0.394 ppbv
RT: 15.966 min Scan# 4099
Delta R.T. -0.019 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04



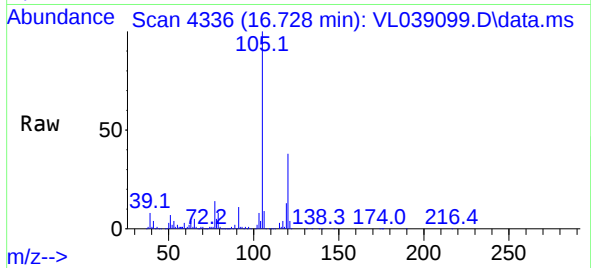
Tgt Ion:105 Resp: 146646
Ion Ratio Lower Upper
105 100
120 43.7 34.4 51.6





#74
1,2,4-Trimethylbenzene
Concen: 1.369 ppbv
RT: 16.728 min Scan# 4336
Delta R.T. -0.019 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

Instrument :
MSVOA_L
ClientSampleId :
VP-2DL

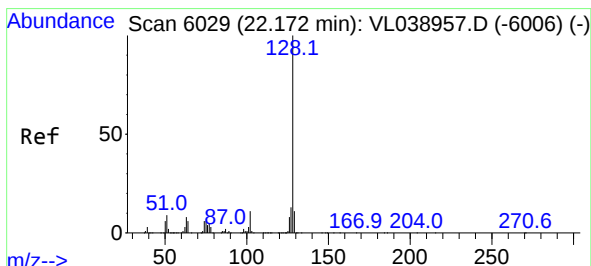
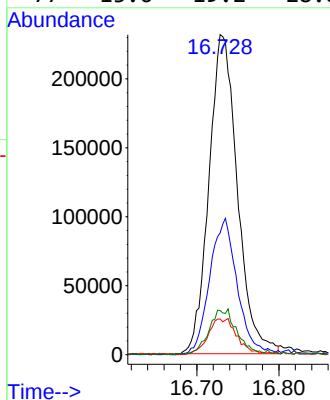
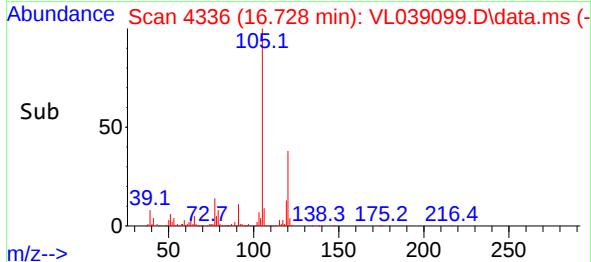


Tgt Ion:105 Resp: 558369
Ion Ratio Lower Upper
105 100
120 38.0 36.9 55.3
91 11.2 45.0 67.4
77 13.6 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt
05/25/2022

Supervised By :Mahesh
Dadoda
05/26/2022



#79
Naphthalene
Concen: 0.185 ppbv m
RT: 22.159 min Scan# 6025
Delta R.T. -0.013 min
Lab File: VL039099.D
Acq: 24 May 2022 1:04

Tgt Ion:128 Resp: 61155
Ion Ratio Lower Upper
128 100
127 14.8 10.2 15.2
129 11.9 8.9 13.3

