

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020322\
 Data File : VL038332.D
 Acq On : 3 Feb 2022 13:37
 Operator : SY/AP
 Sample : N1379-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2022
 Supervised By :Mahesh Dadoda 02/04/2022

Quant Time: Feb 04 08:38:33 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 2

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.655	49	809417	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.159	114	2185221	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.066	117	1882144	10.000	ppbv	#-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.394	95	1517055	10.620	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.044	85	75349	0.437	ppbv	97
3) Chlorodifluoromethane	2.983	51	71400m	0.443	ppbv	
4) Chloromethane	3.140	50	25248	0.455	ppbv	91
9) Propene	3.018	41	259285m	4.943	ppbv	
10) Heptane	8.105	43	38832	0.288	ppbv	94
11) Trichlorofluoromethane	3.947	101	33543	0.250	ppbv	93
12) 1,1,2-Trichlorotrifluo...	4.484	101	6060m	0.060	ppbv	
13) Ethanol	3.594	45	1194838	212.187	ppbv	97
15) Acetone	3.845	43	242407	3.397	ppbv #	75
19) Isopropyl Alcohol	3.960	45	493007	11.045	ppbv	98
20) Methylene Chloride	4.336	84	40716	0.981	ppbv #	92
26) Hexane	5.677	57	116536	1.254	ppbv #	67
29) Chloroform	5.735	83	25115m	0.166	ppbv	
30) Cyclohexane	7.111	84	18998m	0.235	ppbv	
34) 2-Butanone	5.234	43	47192	0.660	ppbv #	90
35) Carbon Tetrachloride	7.012	117	9372m	0.061	ppbv	
36) Benzene	6.877	78	154111	0.797	ppbv	98
44) 2,2,4-Trimethylpentane	7.851	57	133141	0.391	ppbv #	84
52) Tetrachloroethene	11.201	164	4078m	0.061	ppbv	
53) Toluene	9.786	91	290722	1.359	ppbv	98
58) Ethyl Benzene	12.693	91	58653m	0.212	ppbv	
59) m/p-Xylene	12.947	91	173309m	0.734	ppbv	
60) o-Xylene	13.674	91	62496m	0.285	ppbv	
61) Styrene	13.497	104	10044m	0.098	ppbv	
74) 1,2,4-Trimethylbenzene	16.741	105	60471	0.278	ppbv #	75

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

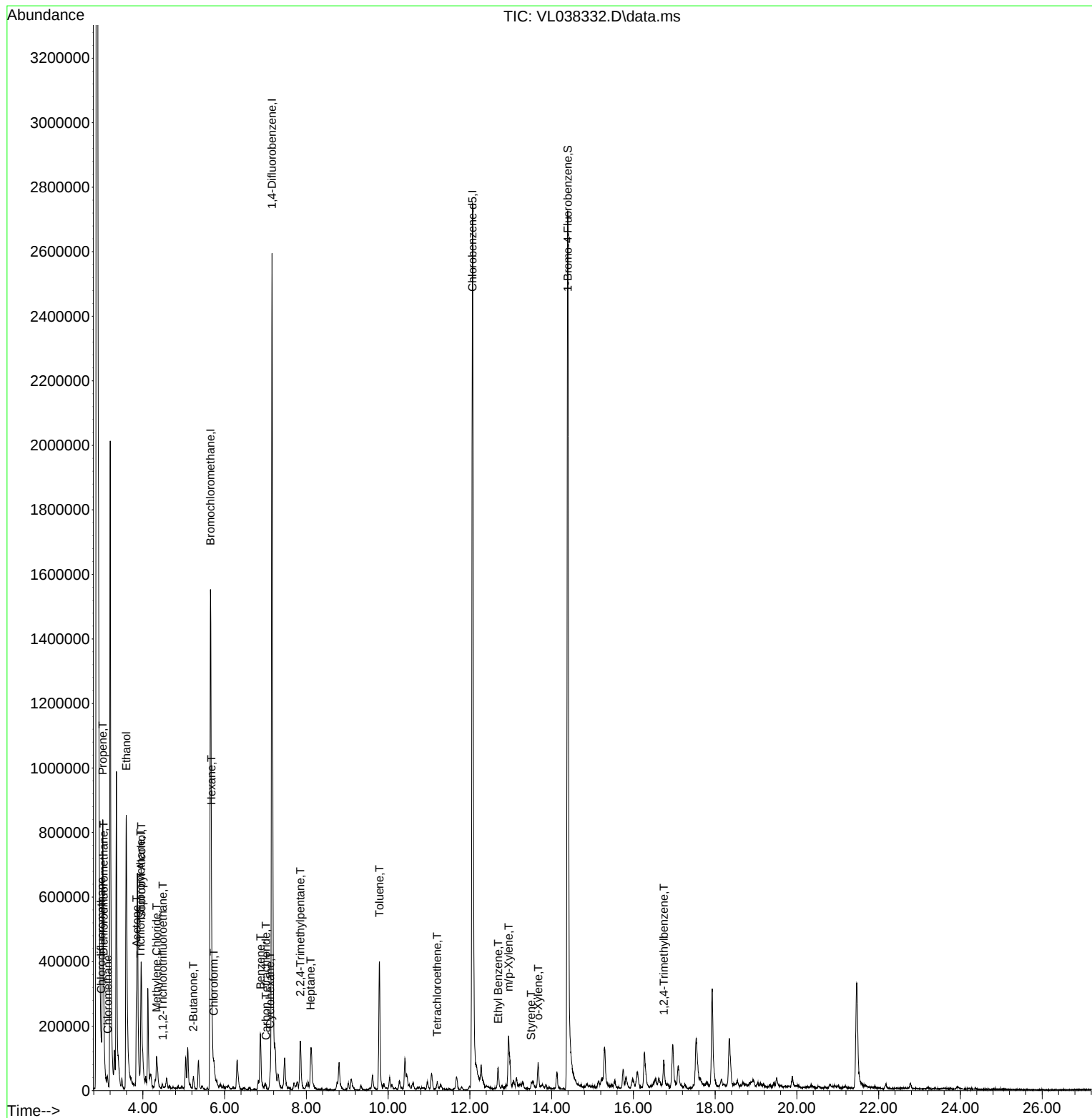
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020322\
Data File : VL038332.D
Acq On : 3 Feb 2022 13:37
Operator : SY/AP
Sample : N1379-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

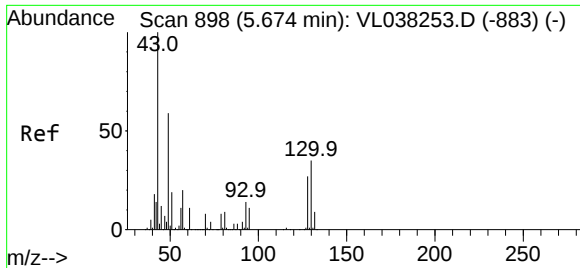
Instrument :
MSVOA_L
ClientSampleId :
IA2

Quant Time: Feb 04 08:38:33 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

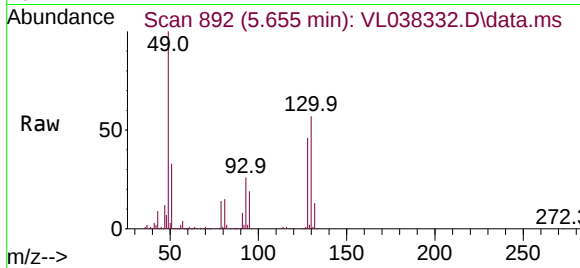
Reviewed By : Semsettin Yesilyurt 02/04/2022
Supervised By : Mahesh Dadoda 02/04/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 80
Delta R.T. -0.019 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

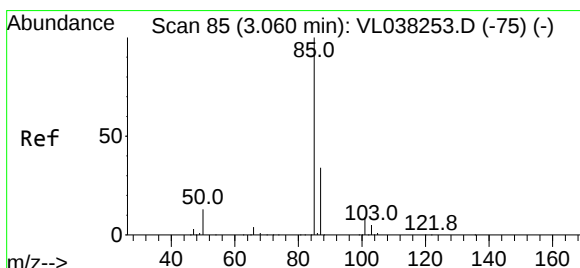
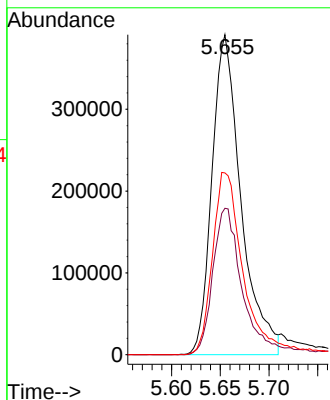
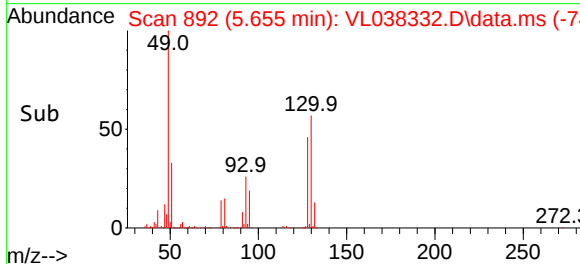
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 49 Resp: 80941
Ion Ratio Lower Upper
49 100
128 49.5 24.5 73.5
130 61.7 30.1 90.5

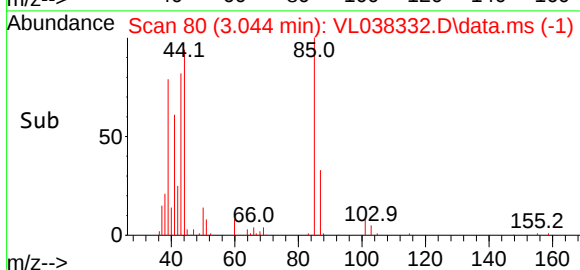
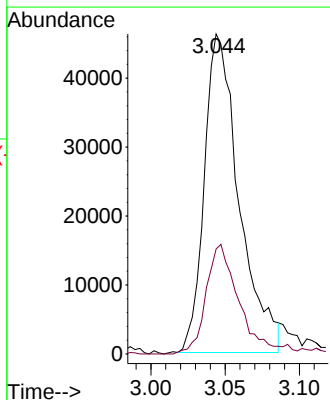
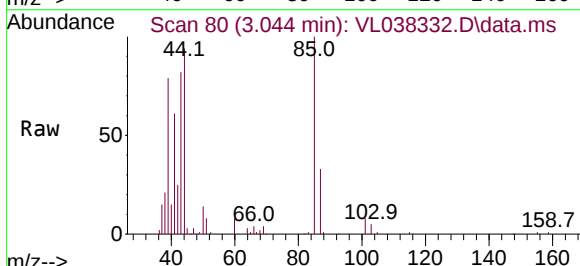
Manual Integrations
APPROVED

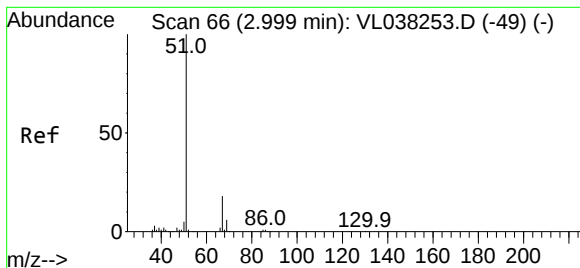
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#2
Dichlorodifluoromethane
Concen: 0.437 ppbv
RT: 3.044 min Scan# 80
Delta R.T. -0.016 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

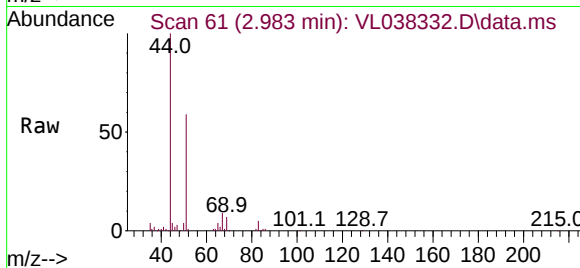
Tgt Ion: 85 Resp: 75349
Ion Ratio Lower Upper
85 100
87 32.4 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.443 ppbv m
RT: 2.983 min Scan# 61
Delta R.T. -0.016 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

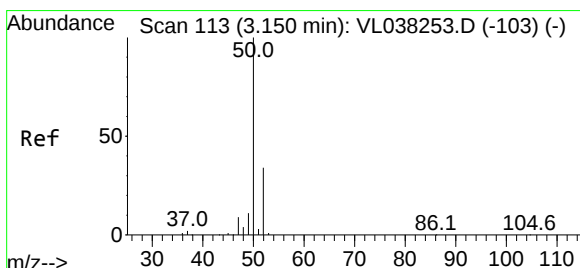
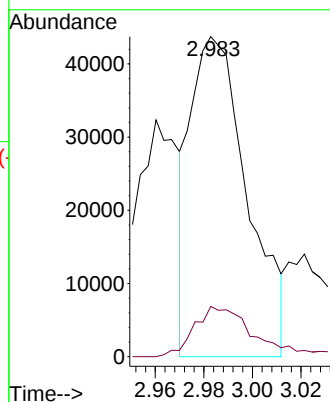
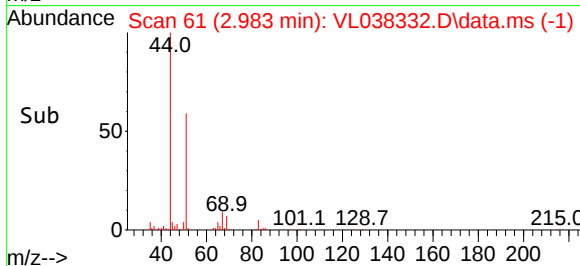
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 51 Resp: 71400
Ion Ratio Lower Upper
51 100
67 17.8 14.4 21.6

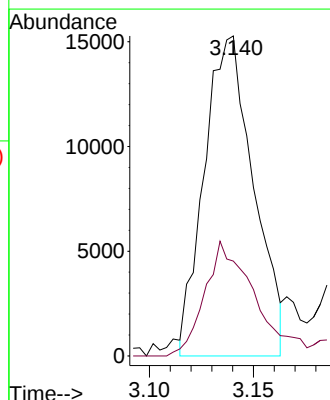
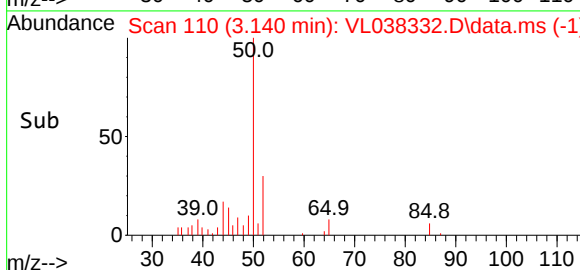
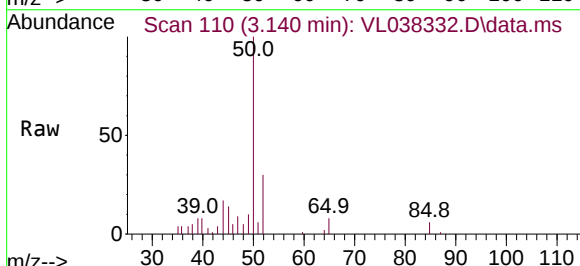
Manual Integrations
APPROVED

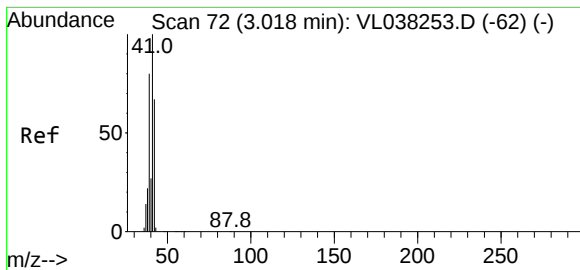
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#4
Chloromethane
Concen: 0.455 ppbv
RT: 3.140 min Scan# 110
Delta R.T. -0.010 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

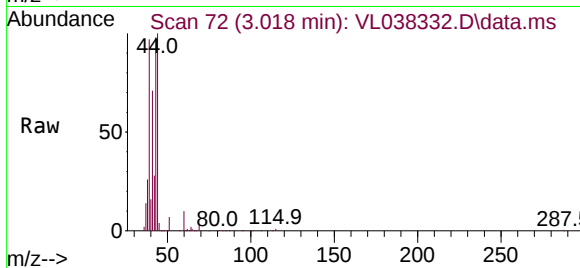
Tgt Ion: 50 Resp: 25248
Ion Ratio Lower Upper
50 100
52 28.9 27.1 40.7





#9
Propene
Concen: 4.943 ppbv m
RT: 3.018 min Scan# 71
Delta R.T. -0.000 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

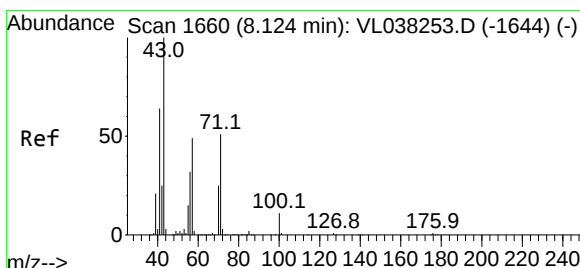
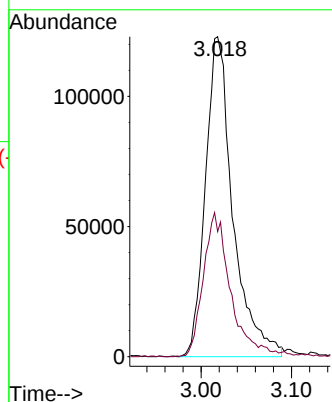
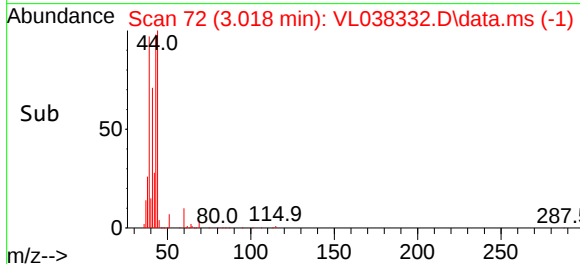
Instrument :
MSVOA_L
ClientSampleId :
IA2



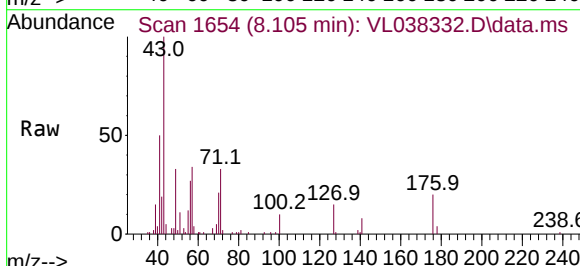
Tgt Ion: 41 Resp: 25928
Ion Ratio Lower Upper
41 100
42 189.5 54.9 82.3

Manual Integrations
APPROVED

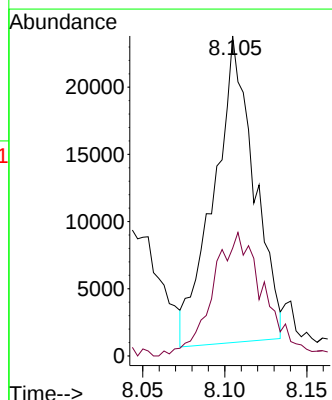
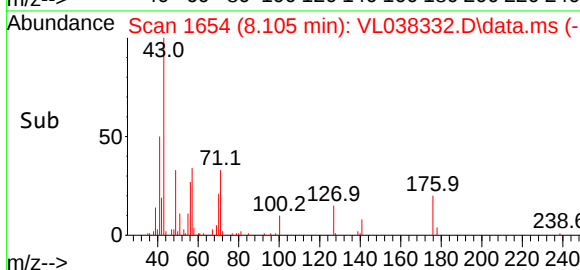
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022

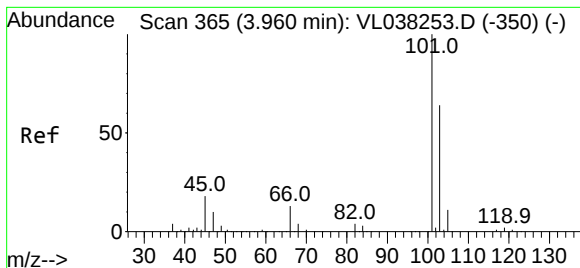


#10
Heptane
Concen: 0.288 ppbv
RT: 8.105 min Scan# 1654
Delta R.T. -0.019 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37



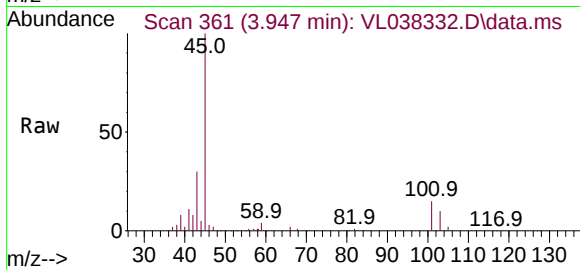
Tgt Ion: 43 Resp: 38832
Ion Ratio Lower Upper
43 100
57 53.8 39.5 59.3





#11
Trichlorofluoromethane
Concen: 0.250 ppbv
RT: 3.947 min Scan# 30
Delta R.T. -0.013 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

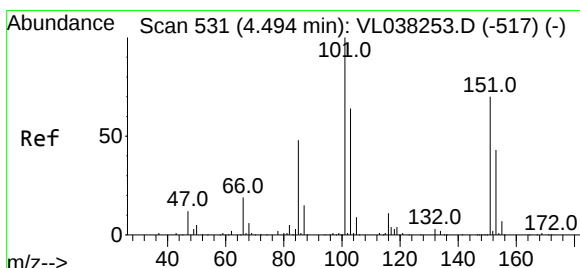
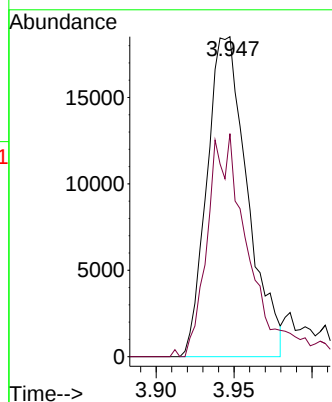
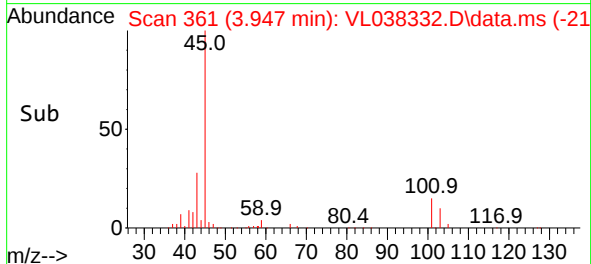
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion:101 Resp: 3354
Ion Ratio Lower Upper
101 100
103 69.7 51.2 76.8

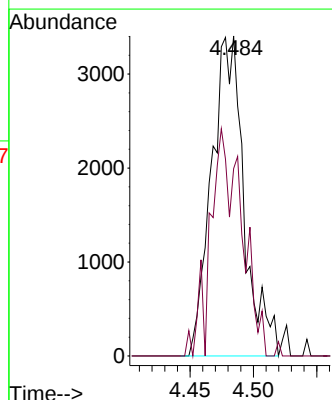
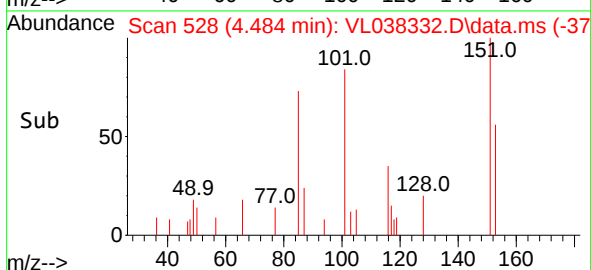
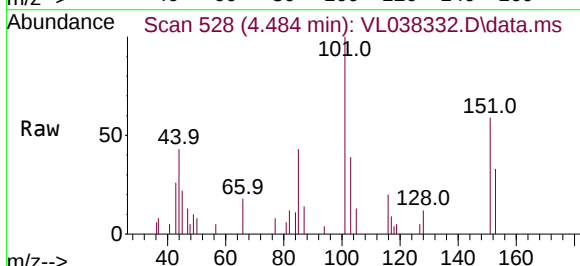
Manual Integrations
APPROVED

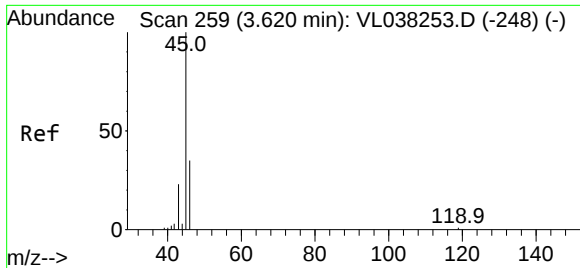
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.060 ppbv m
RT: 4.484 min Scan# 528
Delta R.T. -0.010 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

Tgt Ion:101 Resp: 6060
Ion Ratio Lower Upper
101 100
151 68.5 55.3 82.9





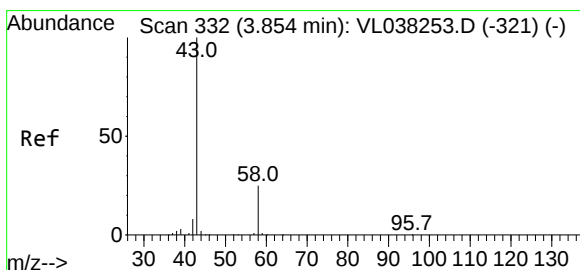
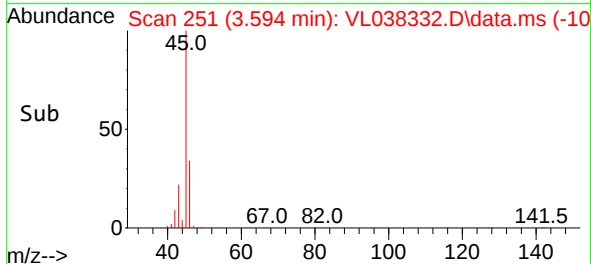
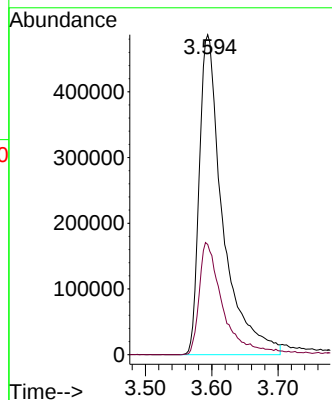
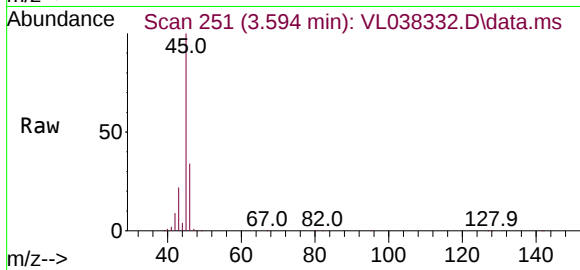
#13
Ethanol
Concen: 212.187 ppbv
RT: 3.594 min Scan# 21
Delta R.T. -0.026 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 45 Resp: 1194838
Ion Ratio Lower Upper
45 100
46 36.5 15.4 61.6

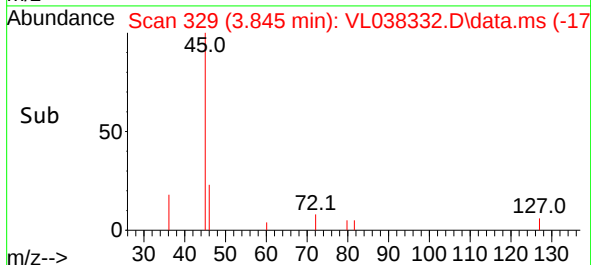
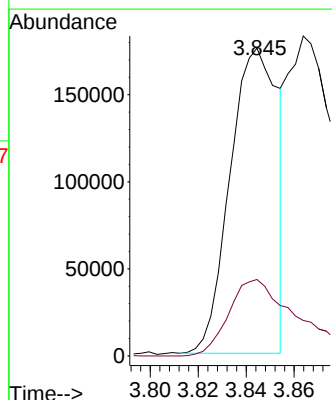
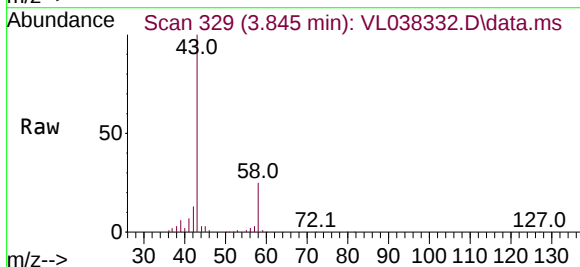
Manual Integrations
APPROVED

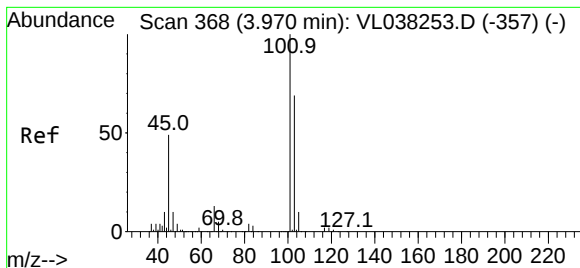
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#15
Acetone
Concen: 3.397 ppbv
RT: 3.845 min Scan# 329
Delta R.T. -0.010 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

Tgt Ion: 43 Resp: 242407
Ion Ratio Lower Upper
43 100
58 39.8 21.5 32.3#





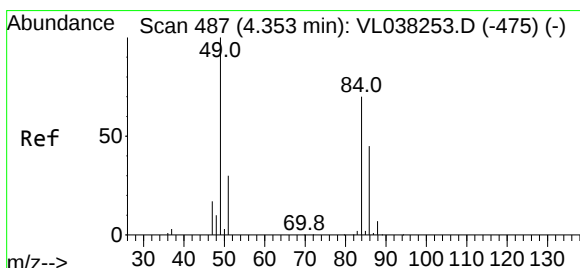
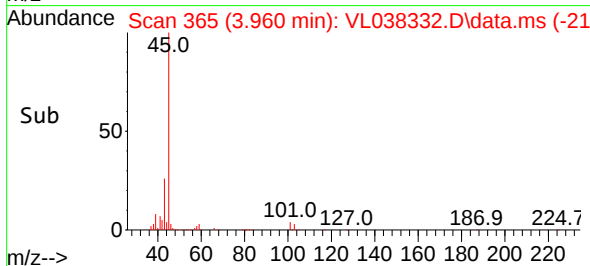
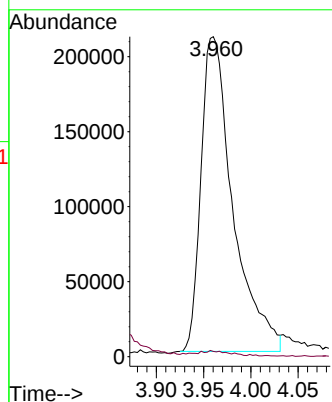
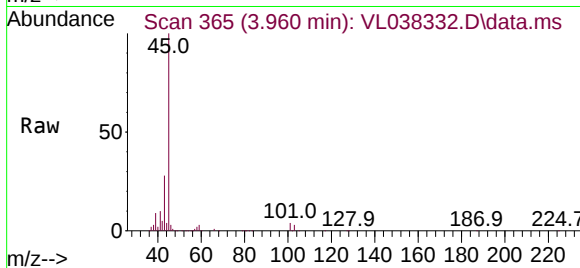
#19
Isopropyl Alcohol
Concen: 11.045 ppbv
RT: 3.960 min Scan# 30
Delta R.T. -0.010 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 45 Resp: 49300
Ion Ratio Lower Upper
45 100
58 2.3 2.3 3.5

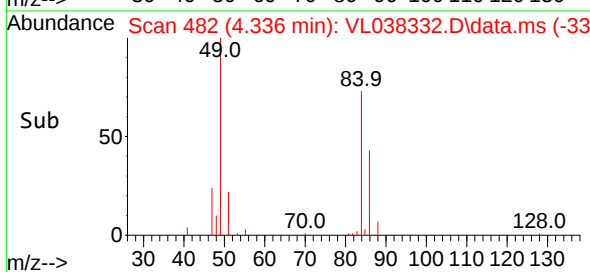
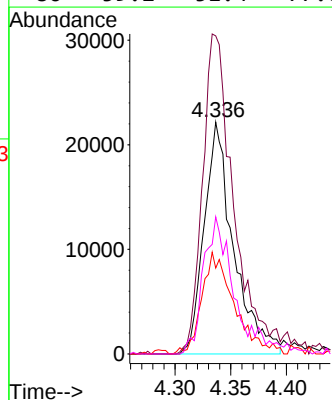
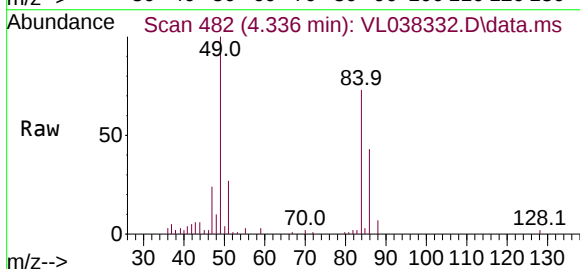
Manual Integrations
APPROVED

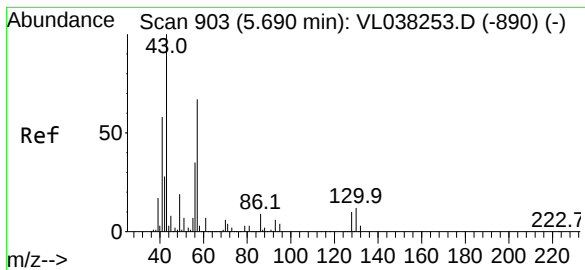
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#20
Methylene Chloride
Concen: 0.981 ppbv
RT: 4.336 min Scan# 482
Delta R.T. -0.016 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

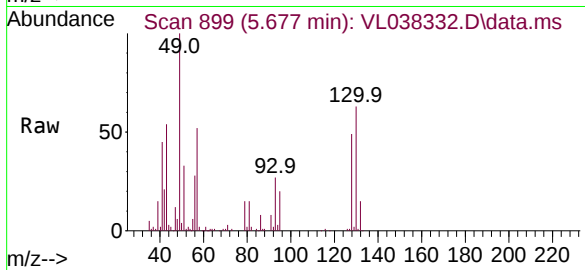
Tgt Ion: 84 Resp: 40716
Ion Ratio Lower Upper
84 100
49 136.3 115.0 172.6
51 34.3 35.0 52.6#
86 59.2 51.4 77.0





#26
Hexane
Concen: 1.254 ppbv
RT: 5.677 min Scan# 899
Delta R.T. -0.013 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

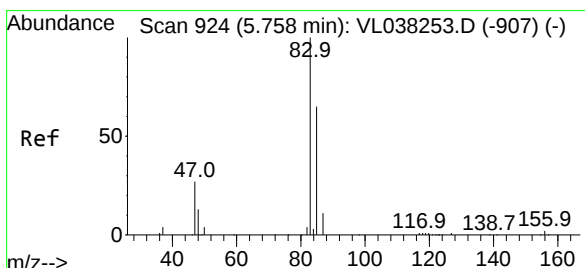
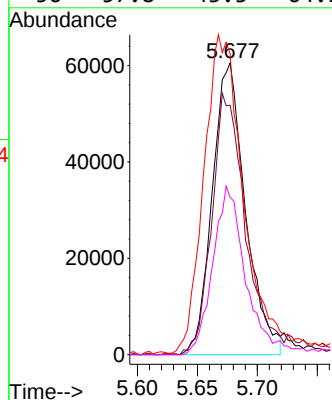
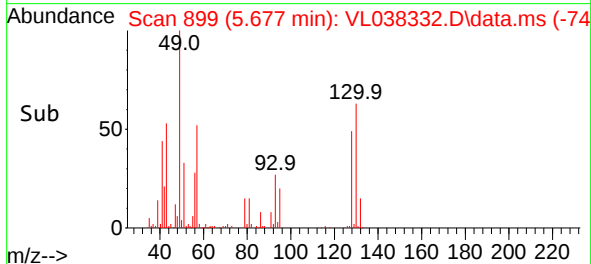
Instrument :
MSVOA_L
ClientSampleId :
IA2



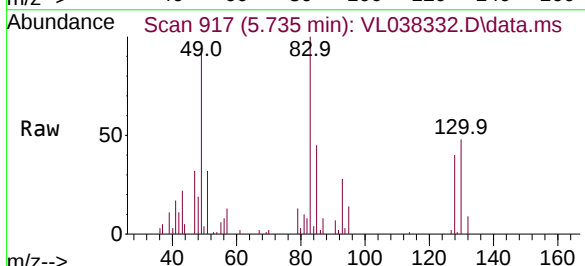
Tgt Ion: 57 Resp: 116530
Ion Ratio Lower Upper
57 100
41 96.9 72.8 109.2
43 139.7 177.0 265.6
56 57.8 43.3 64.9

Manual Integrations
APPROVED

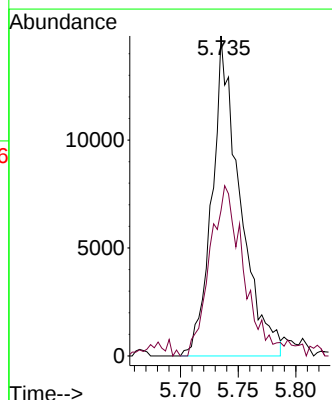
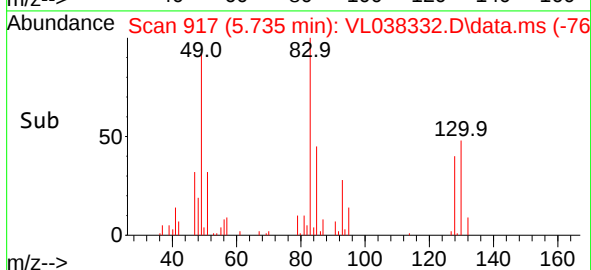
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022

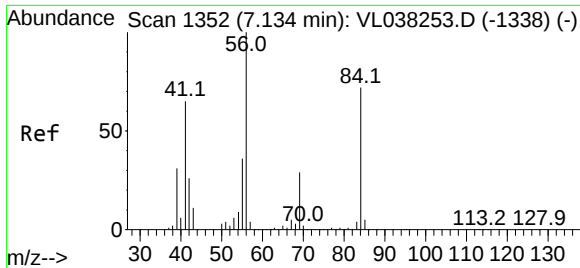


#29
Chloroform
Concen: 0.166 ppbv m
RT: 5.735 min Scan# 917
Delta R.T. -0.023 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37



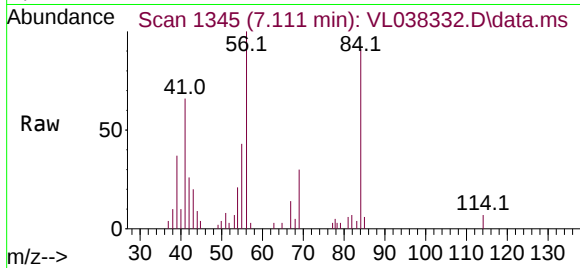
Tgt Ion: 83 Resp: 25115
Ion Ratio Lower Upper
83 100
85 45.4 51.9 77.9





#30
Cyclohexane
Concen: 0.235 ppbv m
RT: 7.111 min Scan# 1345
Delta R.T. -0.023 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

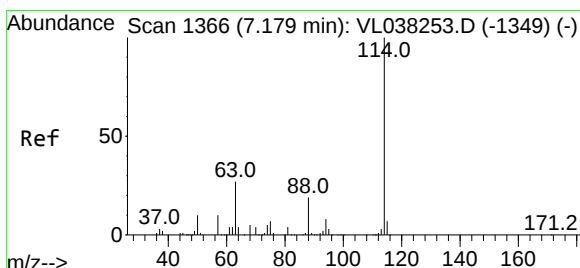
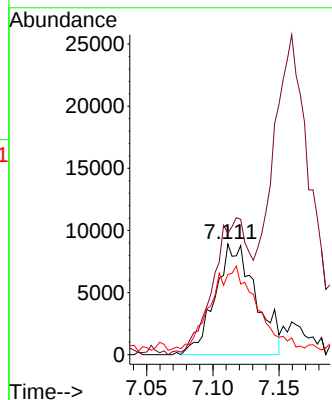
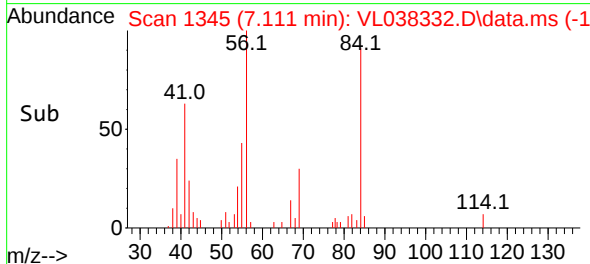
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 84 Resp: 18998
Ion Ratio Lower Upper
84 100
56 0.0 112.7 169.1
41 0.0 71.1 106.7

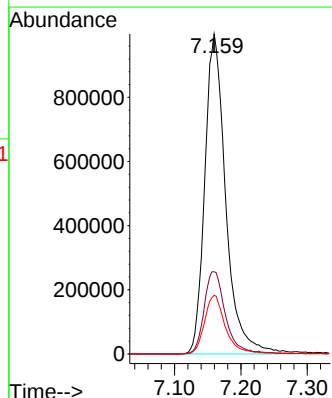
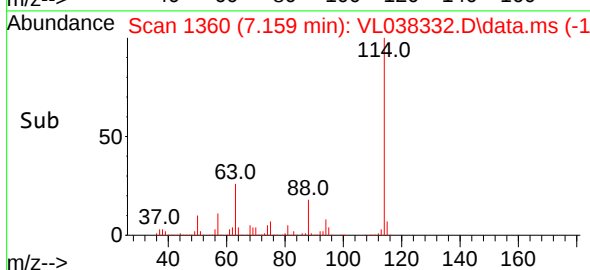
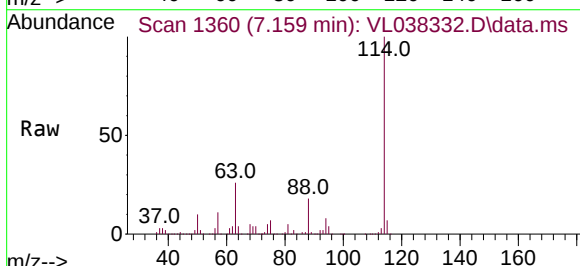
Manual Integrations
APPROVED

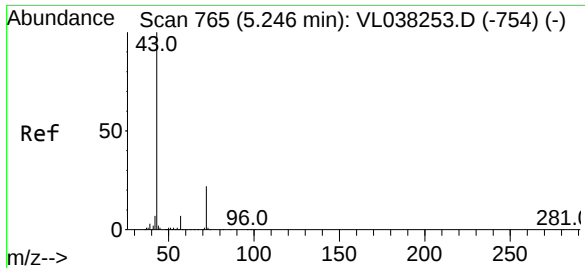
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.159 min Scan# 1360
Delta R.T. -0.019 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

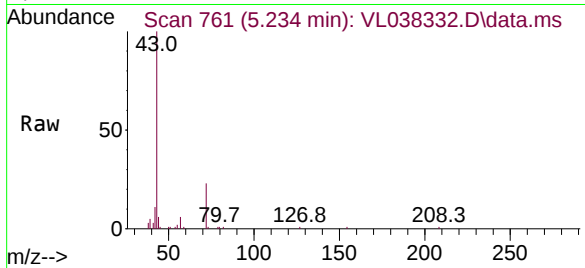
Tgt Ion:114 Resp: 2185221
Ion Ratio Lower Upper
114 100
63 26.7 22.0 33.0
88 18.3 15.0 22.6





#34
2-Butanone
Concen: 0.660 ppbv
RT: 5.234 min Scan# 761
Delta R.T. -0.013 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

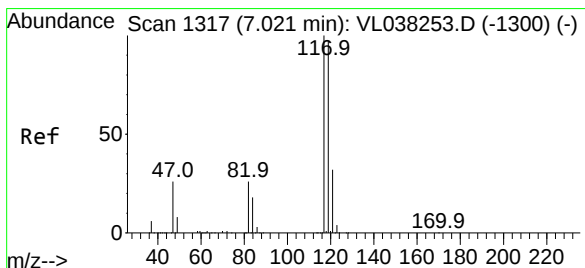
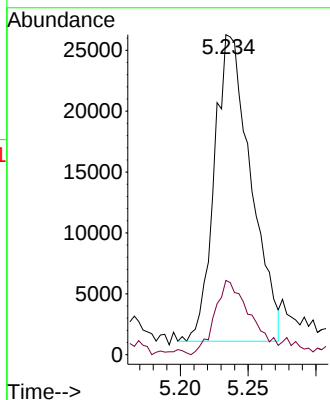
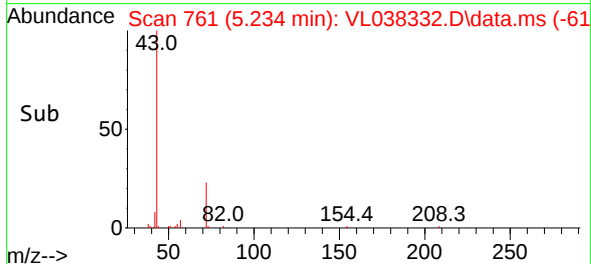
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 43 Resp: 47192
Ion Ratio Lower Upper
43 100
72 27.5 18.1 27.1

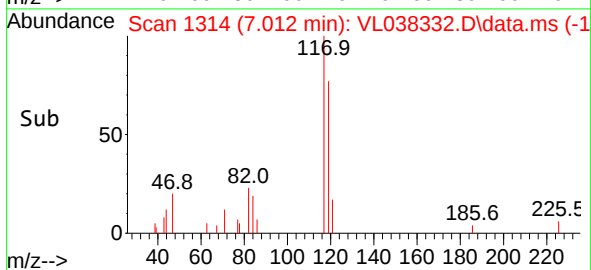
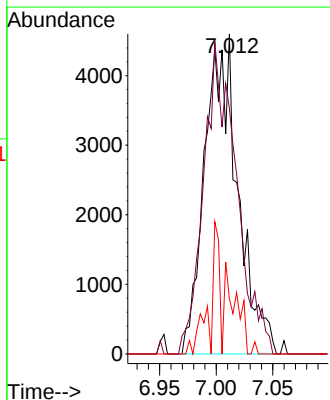
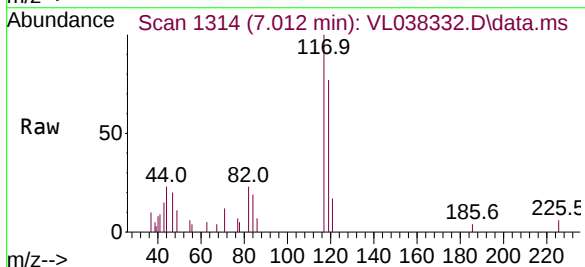
Manual Integrations
APPROVED

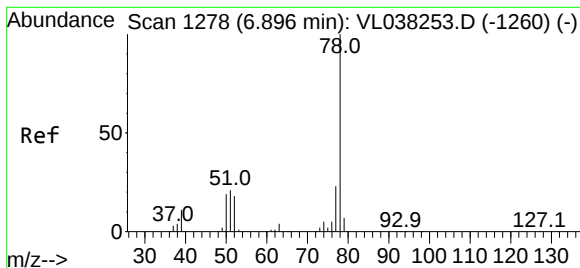
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#35
Carbon Tetrachloride
Concen: 0.061 ppbv m
RT: 7.012 min Scan# 1314
Delta R.T. -0.010 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

Tgt Ion:117 Resp: 9372
Ion Ratio Lower Upper
117 100
119 76.7 77.9 116.9#
121 17.3 25.4 38.2#





#36

Benzene

Concen: 0.797 ppbv

RT: 6.877 min Scan# 15411

Delta R.T. -0.019 min

Lab File: VL038332.D

Acq: 3 Feb 2022 13:37

Instrument :

MSVOA_L

ClientSampleId :

IA2

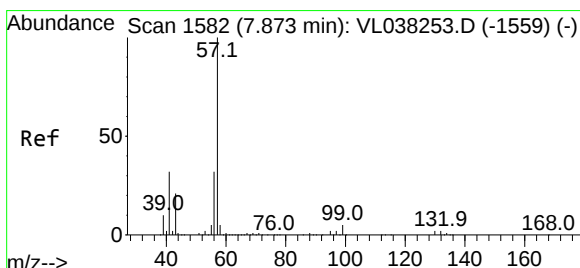
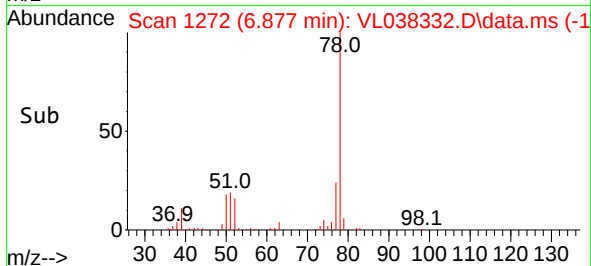
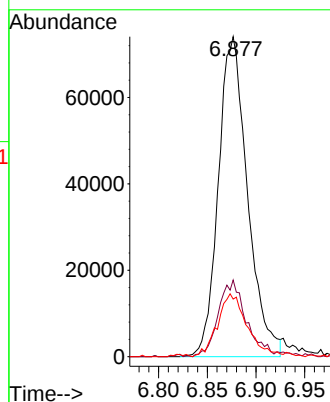
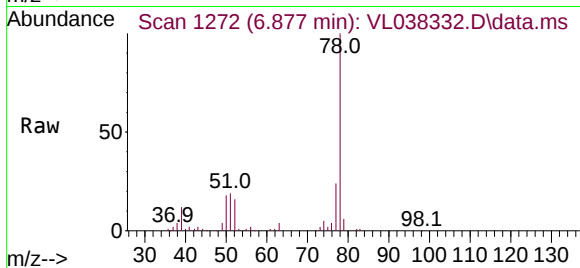
Tgt Ion: 78 Resp: 15411

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.2	27.2
50	17.4	15.1	22.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#44

2,2,4-Trimethylpentane

Concen: 0.391 ppbv

RT: 7.851 min Scan# 1575

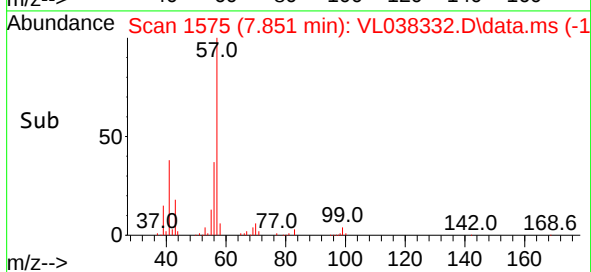
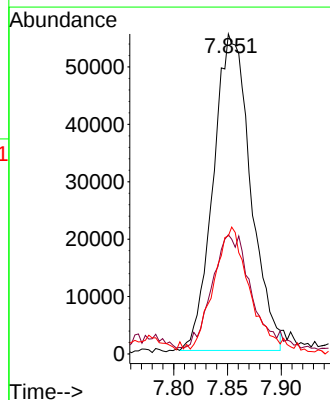
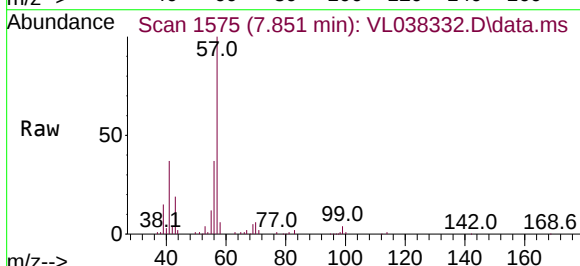
Delta R.T. -0.023 min

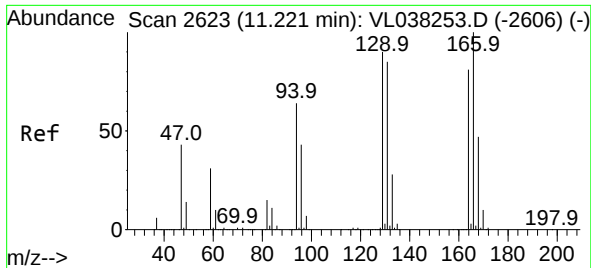
Lab File: VL038332.D

Acq: 3 Feb 2022 13:37

Tgt Ion: 57 Resp: 133141

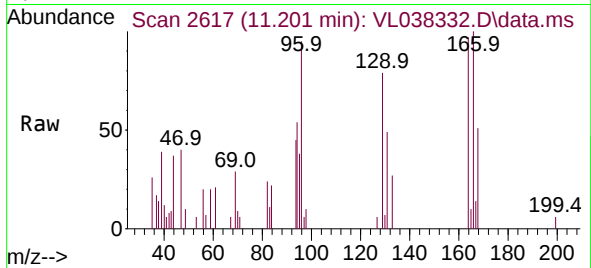
Ion	Ratio	Lower	Upper
57	100		
41	41.3	26.3	39.5#
56	41.5	25.2	37.8#





#52
Tetrachloroethene
Concen: 0.061 ppbv m
RT: 11.201 min Scan# 2177
Delta R.T. -0.019 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

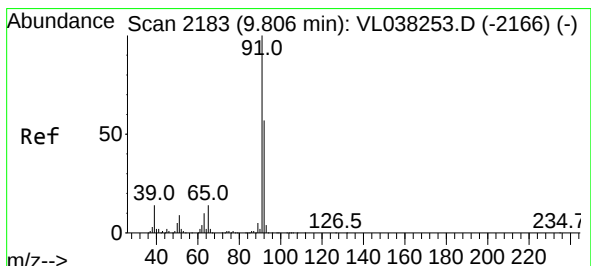
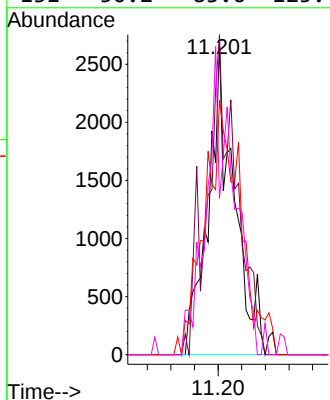
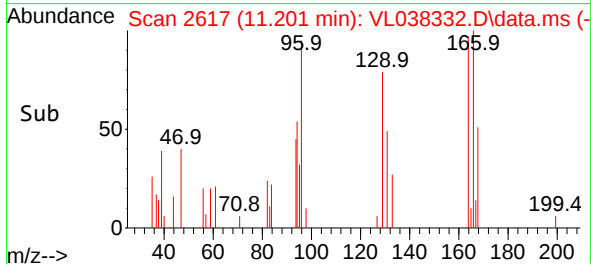
Instrument :
MSVOA_L
ClientSampleId :
IA2



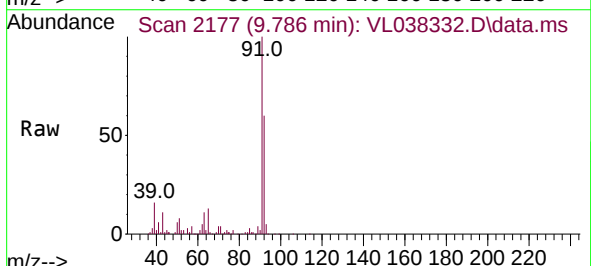
Tgt Ion:164 Resp: 4078
Ion Ratio Lower Upper
164 100
166 102.8 98.8 148.2
129 81.7 89.2 133.8
131 50.2 83.6 125.4#

Manual Integrations
APPROVED

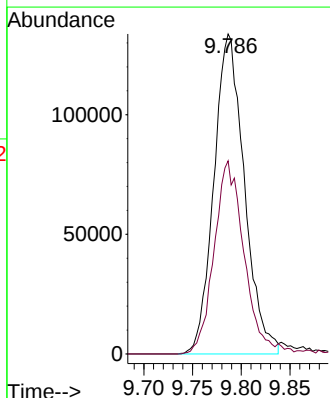
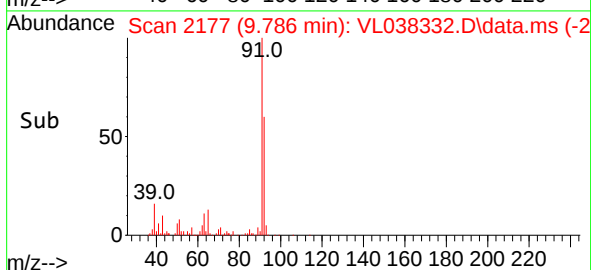
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022

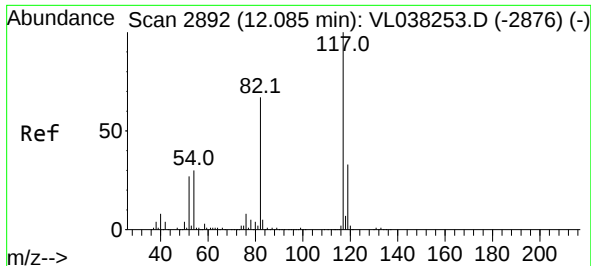


#53
Toluene
Concen: 1.359 ppbv
RT: 9.786 min Scan# 2177
Delta R.T. -0.019 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37



Tgt Ion: 91 Resp: 290722
Ion Ratio Lower Upper
91 100
92 60.6 47.4 71.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.066 min Scan# 2886

Delta R.T. -0.019 min

Lab File: VL038332.D

Acq: 3 Feb 2022 13:37

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tgt Ion:117 Resp: 188214

Ion Ratio Lower Upper

117 100

82 69.3 54.4 81.6

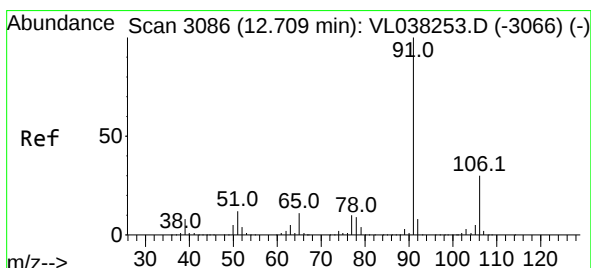
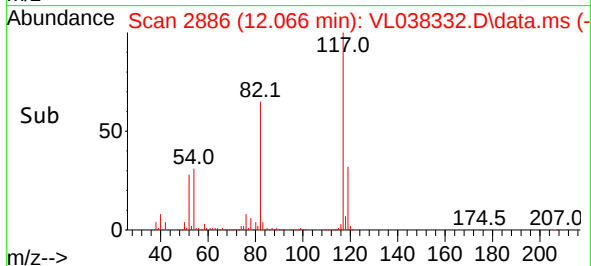
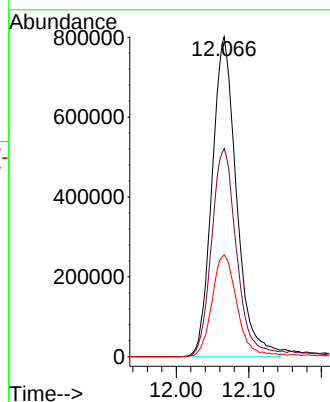
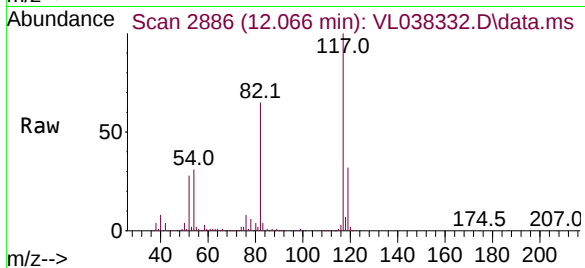
119 33.8 45.9 68.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2022

Supervised By :Mahesh Dadoda 02/04/2022



#58

Ethyl Benzene

Concen: 0.212 ppbv m

RT: 12.693 min Scan# 3081

Delta R.T. -0.016 min

Lab File: VL038332.D

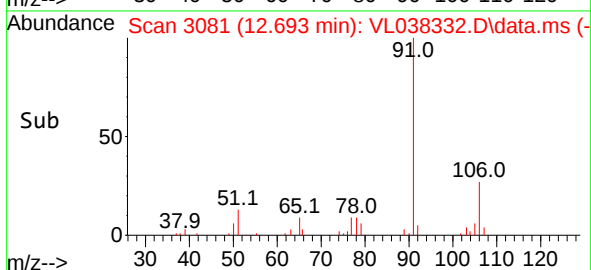
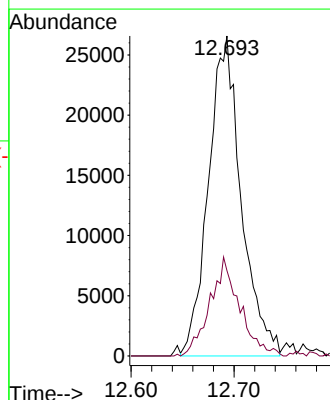
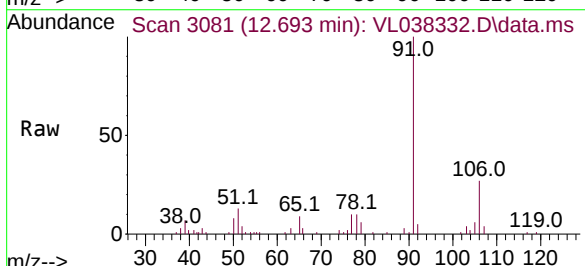
Acq: 3 Feb 2022 13:37

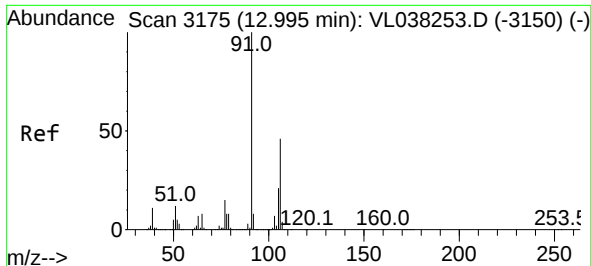
Tgt Ion: 91 Resp: 58653

Ion Ratio Lower Upper

91 100

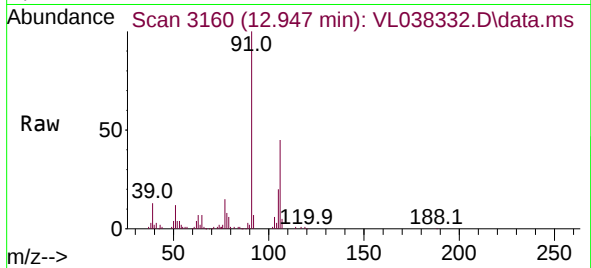
106 26.7 24.1 36.1





#59
m/p-Xylene
Concen: 0.734 ppbv m
RT: 12.947 min Scan# 3175
Delta R.T. -0.048 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

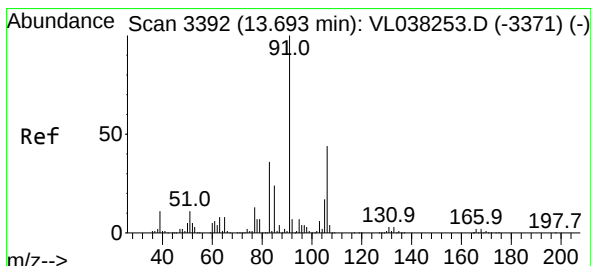
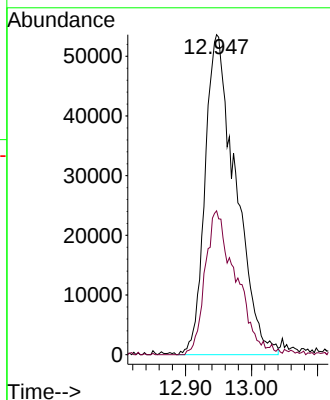
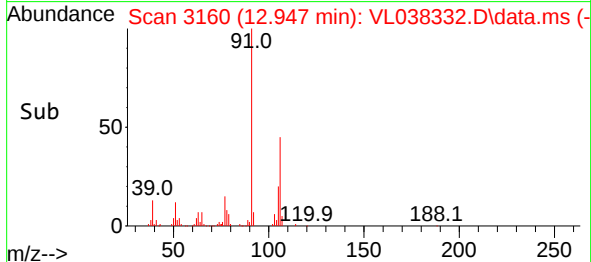
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 91 Resp: 173309
Ion Ratio Lower Upper
91 100
106 0.0 34.8 52.2

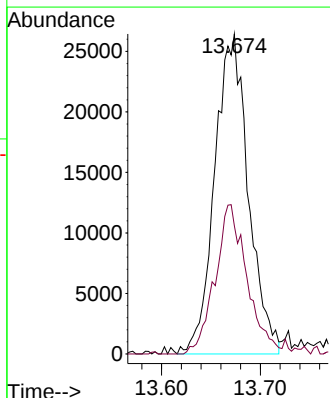
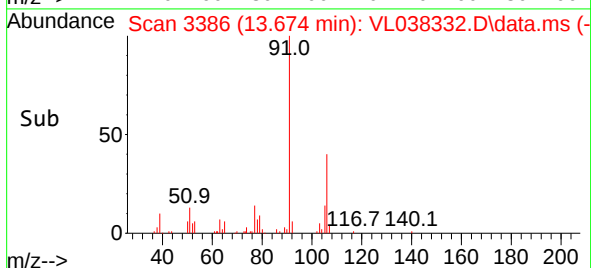
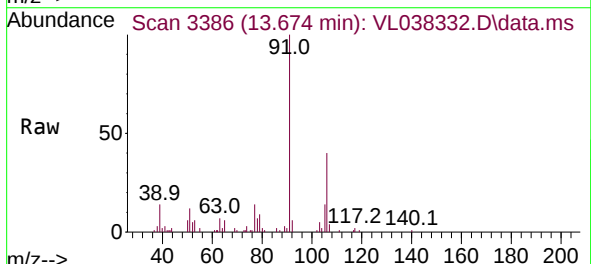
Manual Integrations
APPROVED

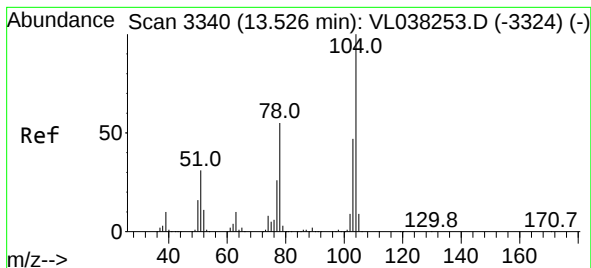
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#60
o-Xylene
Concen: 0.285 ppbv m
RT: 13.674 min Scan# 3386
Delta R.T. -0.019 min
Lab File: VL038332.D
Acq: 3 Feb 2022 13:37

Tgt Ion: 91 Resp: 62496
Ion Ratio Lower Upper
91 100
106 45.8 22.2 66.6





#61

Styrene

Concen: 0.098 ppbv

RT: 13.497 min Scan# 31

Delta R.T. -0.029 min

Lab File: VL038332.D

Acq: 3 Feb 2022 13:37

Instrument :

MSVOA_L

ClientSampleId :

IA2

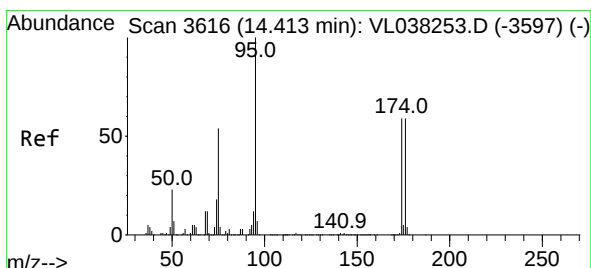
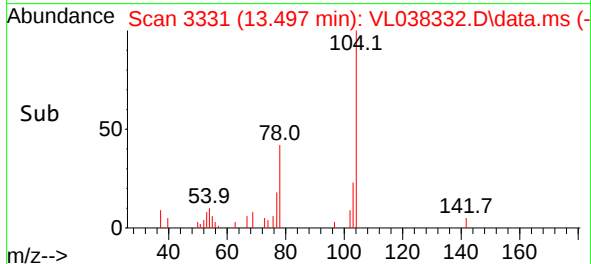
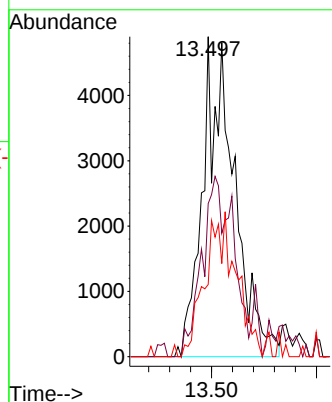
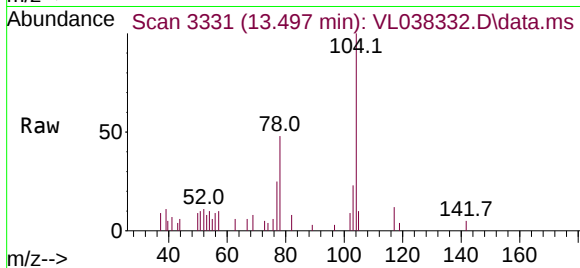
Tgt Ion:104 Resp: 1004

Ion	Ratio	Lower	Upper
104	100		
78	60.7	44.2	66.4
103	47.8	38.2	57.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 10.620 ppbv

RT: 14.394 min Scan# 3610

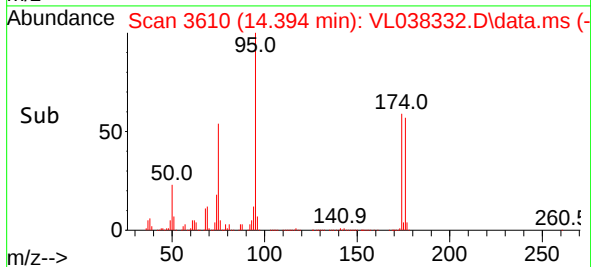
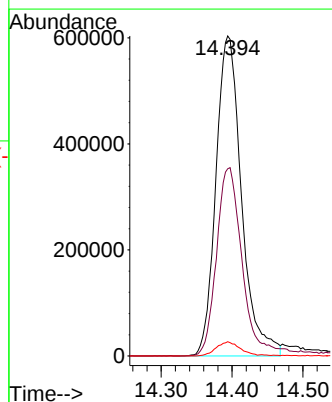
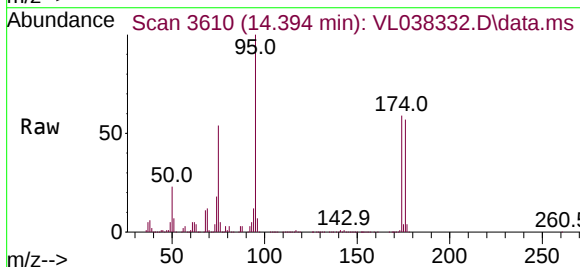
Delta R.T. -0.019 min

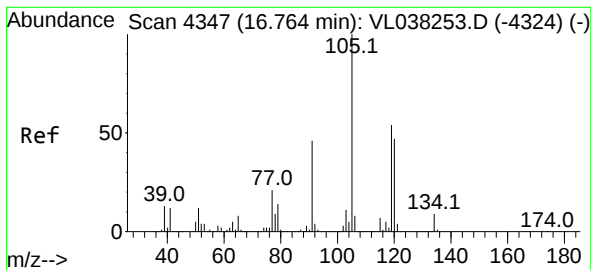
Lab File: VL038332.D

Acq: 3 Feb 2022 13:37

Tgt Ion: 95 Resp: 1517055

Ion	Ratio	Lower	Upper
95	100		
174	61.8	48.3	72.5
175	4.5	3.5	5.3





#74

1,2,4-Trimethylbenzene

Concen: 0.278 ppbv

RT: 16.741 min Scan# 41

Delta R.T. -0.023 min

Lab File: VL038332.D

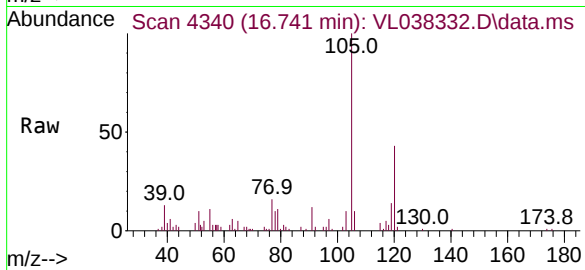
Acq: 3 Feb 2022 13:37

Instrument :

MSVOA_L

ClientSampleId :

IA2



Tgt Ion:	105	Resp:	6047
Ion	Ratio	Lower	Upper
105	100		
120	43.4	37.2	55.8
91	10.7	36.6	55.0
77	16.0	16.9	25.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022

