

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL039017.D
 Acq On : 10 May 2022 12:43
 Operator : SY/AP
 Sample : N2696-02DL2 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV2DL2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
 Supervised By :Mahesh Dadoda 05/11/2022

Quant Time: May 11 11:11:10 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1042843	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	2934818	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	2523523	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1888628	9.45	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.50%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	123577	2.187	ppbv	92
10) Heptane	8.10	43	13529m	0.098	ppbv	
13) Ethanol	3.59	45	115264m	28.822	ppbv	
15) Acetone	3.84	43	209245	2.127	ppbv	95
17) tert-Butyl alcohol	4.28	59	24926	0.330	ppbv #	90
19) Isopropyl Alcohol	3.96	45	16092	0.344	ppbv #	62
32) 1,1,1-Trichloroethane	6.48	97	645692m	3.815	ppbv	
34) 2-Butanone	5.23	43	85463	0.571	ppbv #	90
41) Tetrahydrofuran	6.05	42	53223m	0.529	ppbv	
52) Tetrachloroethene	11.19	164	90574	1.009	ppbv #	81
53) Toluene	9.77	91	94926	0.337	ppbv	95
58) Ethyl Benzene	12.67	91	92449	0.255	ppbv	91
59) m/p-Xylene	12.93	91	358764	1.157	ppbv	92
60) o-Xylene	13.65	91	188120	0.645	ppbv	98
72) 4-Ethyltoluene	15.81	105	52003	0.156	ppbv #	90
73) 1,3,5-Trimethylbenzene	15.96	105	67671m	0.226	ppbv	
74) 1,2,4-Trimethylbenzene	16.72	105	146955	0.448	ppbv #	65

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050922\
Data File : VL039017.D
Acq On : 10 May 2022 12:43
Operator : SY/AP
Sample : N2696-02DL2 20X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV2DL2

Manual Integrations
APPROVED

Quant Time: May 11 11:11:10 2022

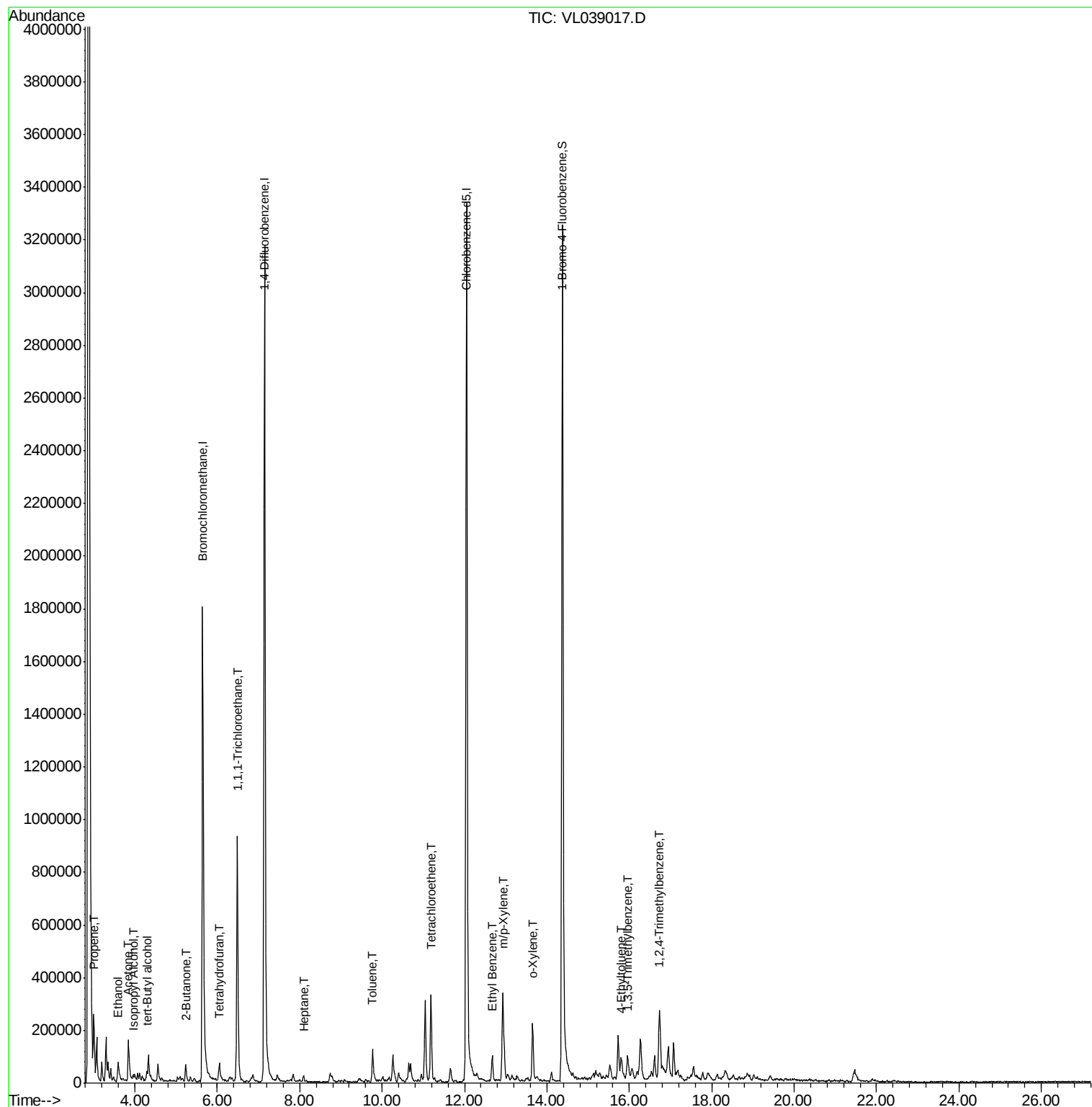
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522

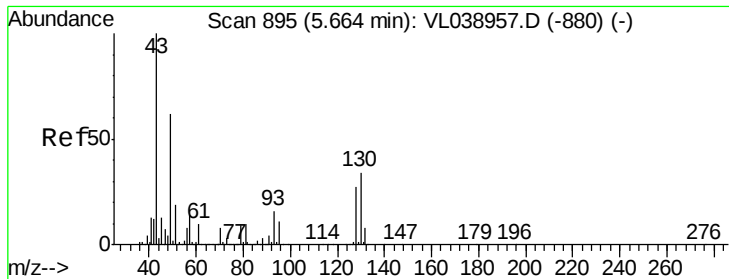
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

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

Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SV2DL2

Acq: 10 May 2022 12:43

Tot Ion:

Ion Ratio

49 100

128 50.

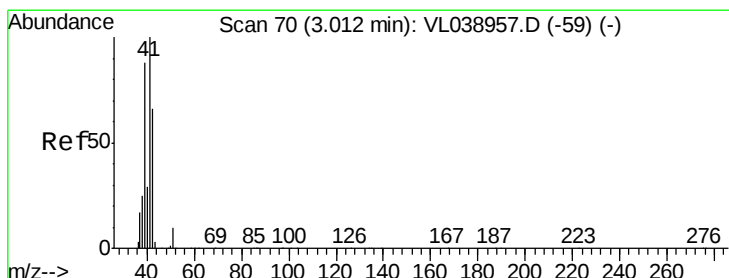
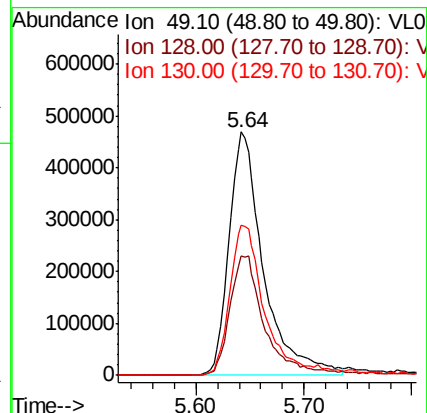
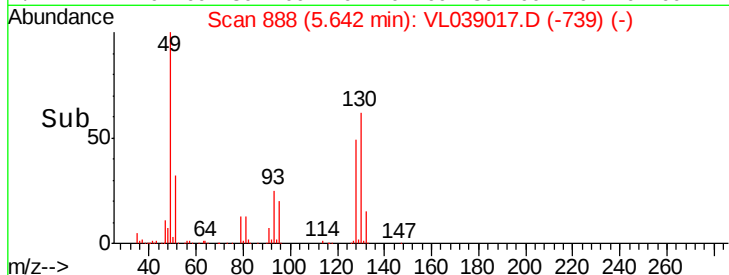
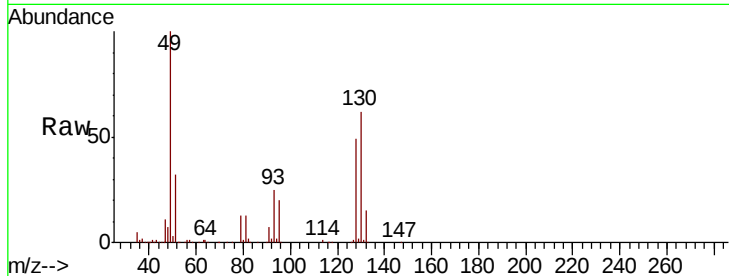
130 65.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022

Supervised By :Mahesh Dadoda 05/11/2022



#9

Propene

Concen: 2.187 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL039017.D

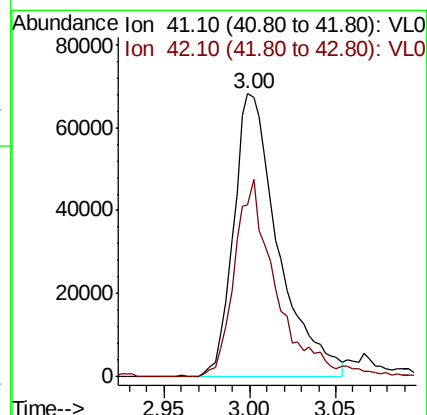
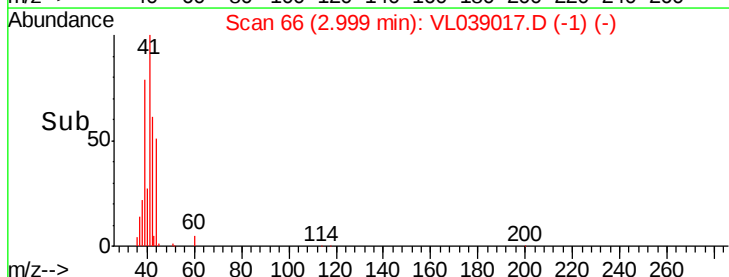
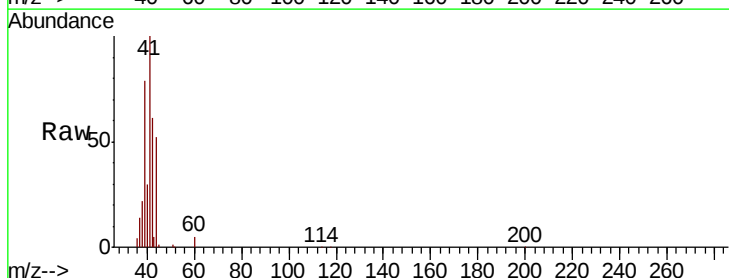
Acq: 10 May 2022 12:43

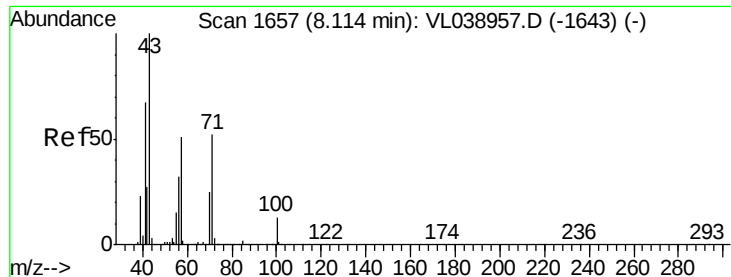
Tgt Ion: 41 Resp: 123577

Ion Ratio Lower Upper

41 100

42 66.1 58.3 87.5



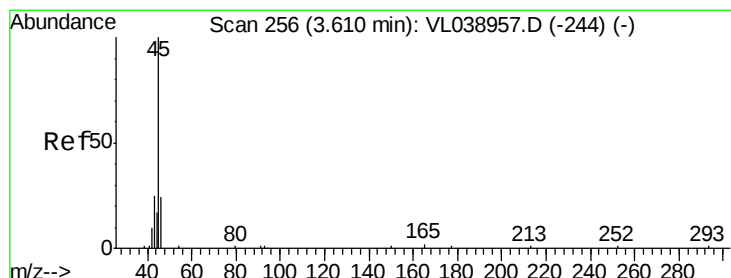
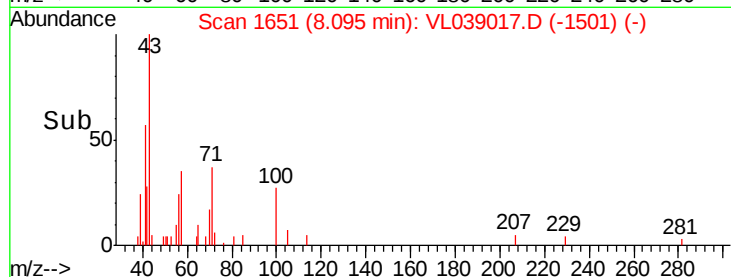
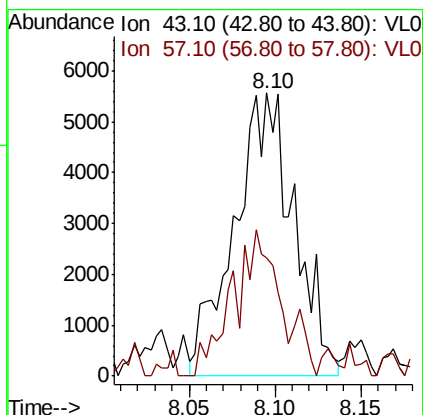
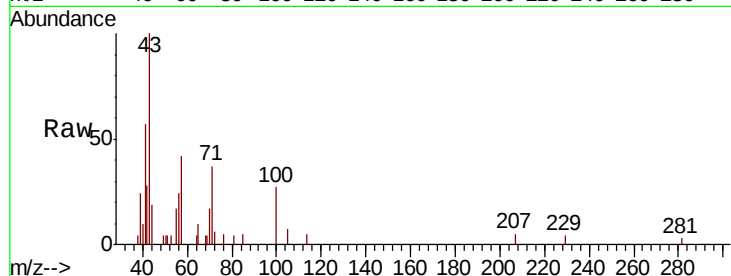


#10
Heptane
Concen: 0.098 ppbv m
RT: 8.10
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV2DL2
Acq: 10 May 2022 12:43

Tot Ion:
Ion Ratio
43 100
57 0.

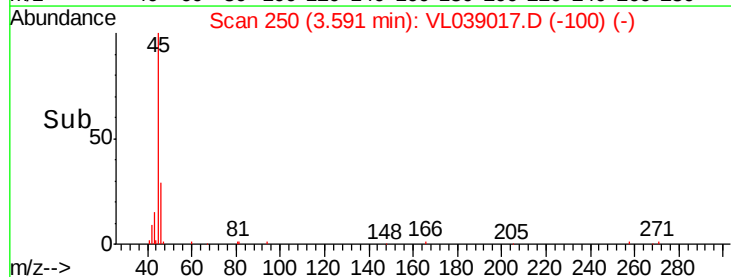
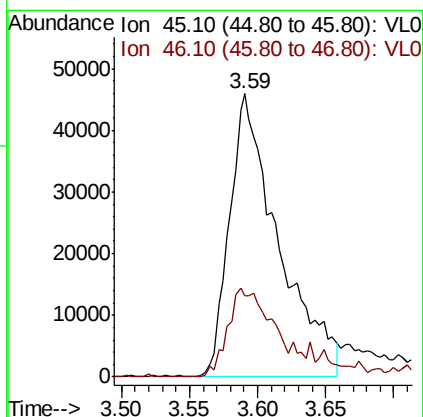
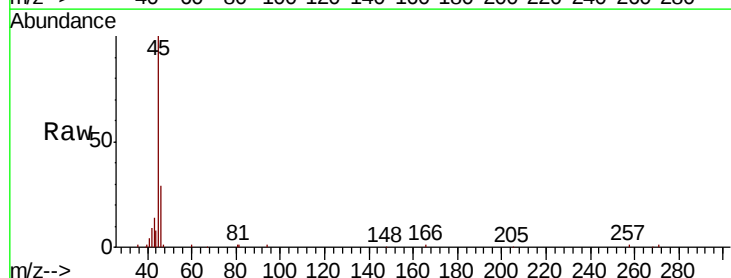
Manual Integrations
APPROVED

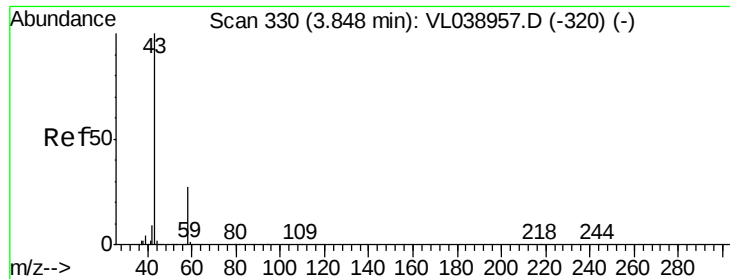
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#13
Ethanol
Concen: 28.822 ppbv m
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL039017.D
Acq: 10 May 2022 12:43

Tgt Ion: 45 Resp: 115264
Ion Ratio Lower Upper
45 100
46 39.5 18.0 72.2



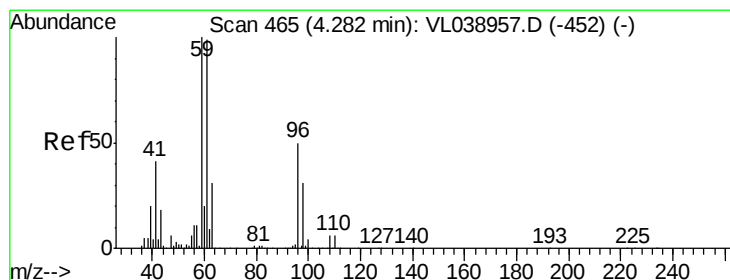
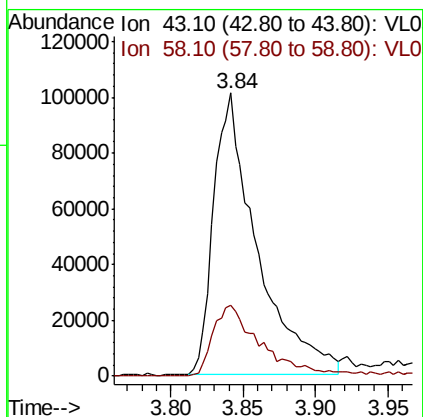
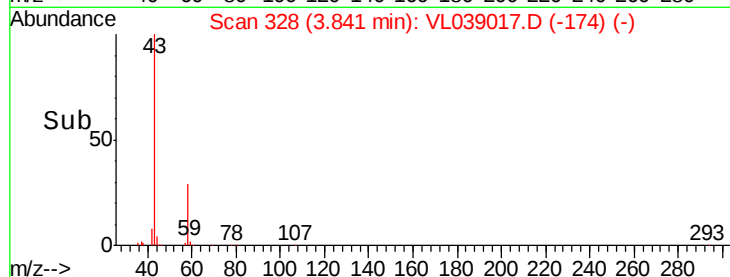
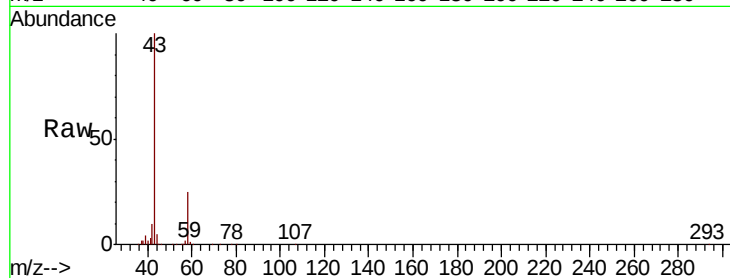


#15
Acetone
Concen: 2.127 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV2DL2
Acq: 10 May 2022 12:43

Tot Ion:
Ion Ratio
43 100
58 29.

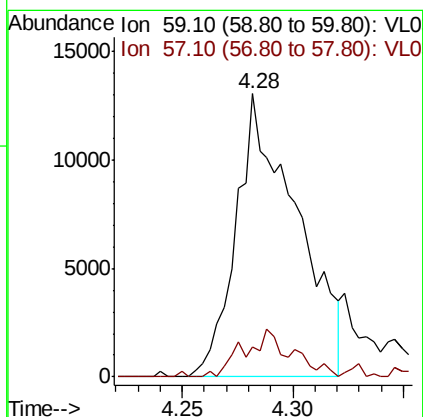
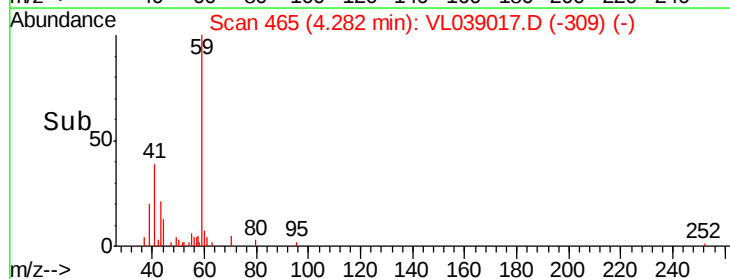
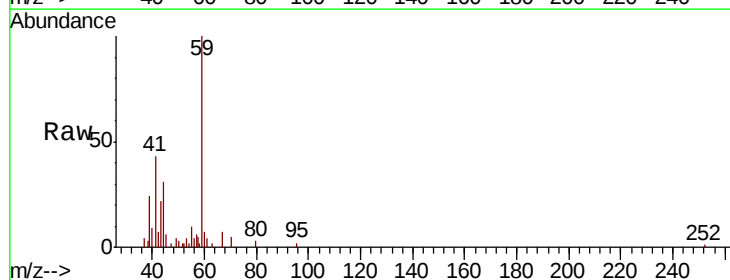
Manual Integrations
APPROVED

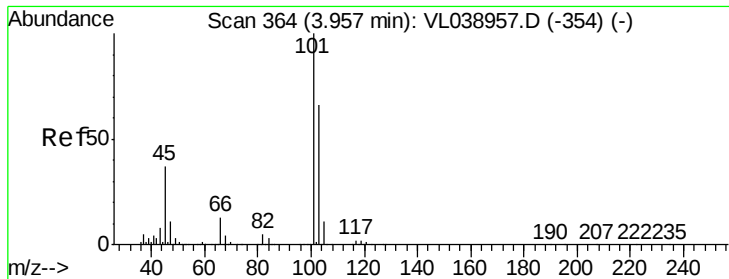
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#17
tert-Butyl alcohol
Concen: 0.330 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.00 min
Lab File: VL039017.D
Acq: 10 May 2022 12:43

Tgt Ion: 59 Resp: 24926
Ion Ratio Lower Upper
59 100
57 15.4 9.2 13.8#





#19

Isopropyl Alcohol

Concen: 0.344 ppbv

RT: 3.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

SV2DL2

Acq: 10 May 2022 12:43

Tot Ion:

Ion Ratio

45 100

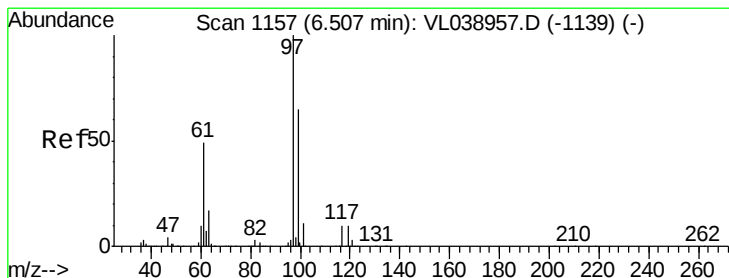
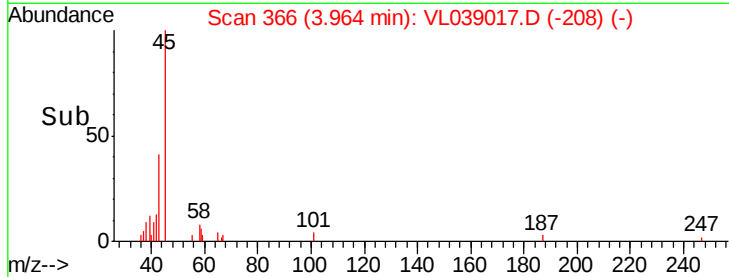
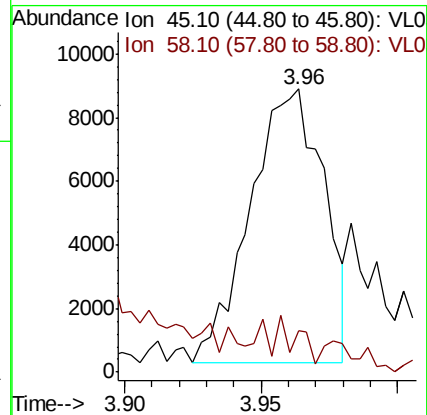
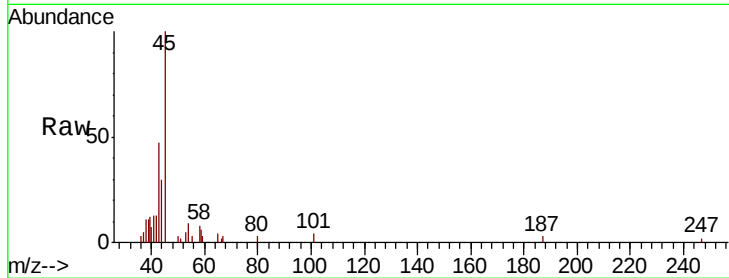
58 15.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022

Supervised By :Mahesh Dadoda 05/11/2022



#32

1,1,1-Trichloroethane

Concen: 3.815 ppbv m

RT: 6.48 min Scan# 1150

Delta R.T. -0.02 min

Lab File: VL039017.D

Acq: 10 May 2022 12:43

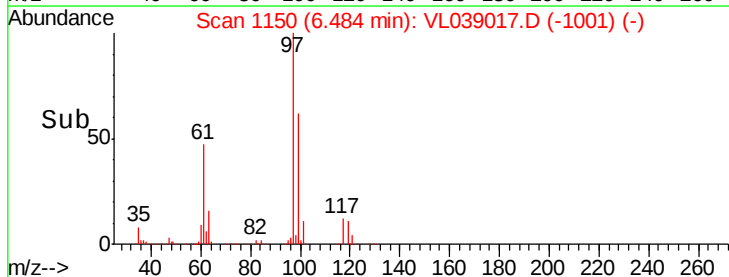
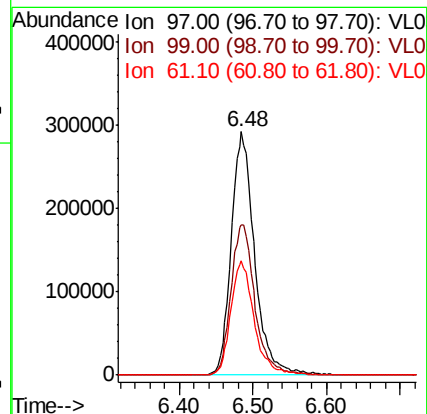
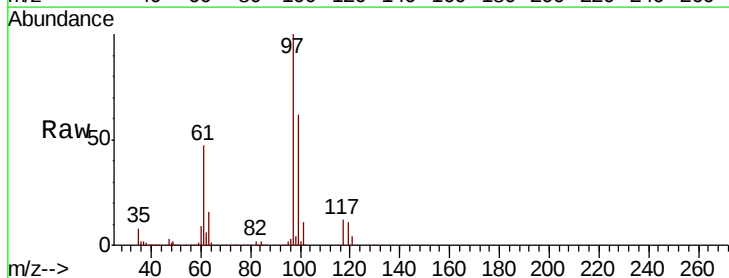
Tgt Ion: 97 Resp: 645692

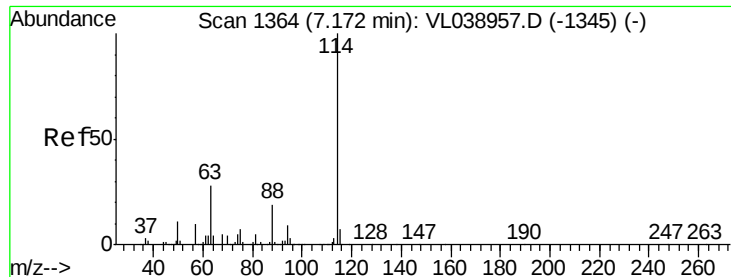
Ion Ratio Lower Upper

97 100

99 0.0 51.9 77.9#

61 0.0 40.9 61.3#



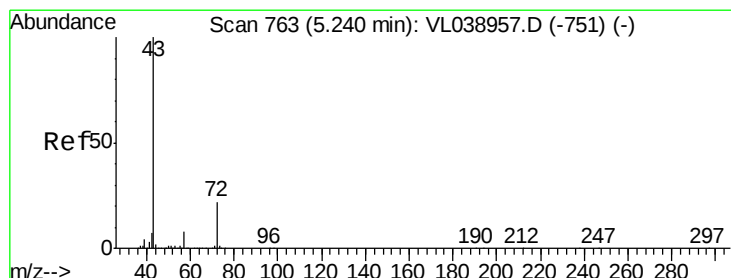
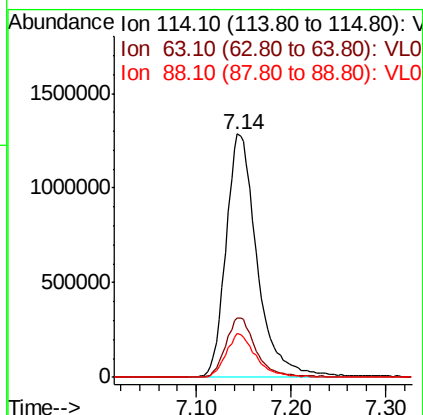
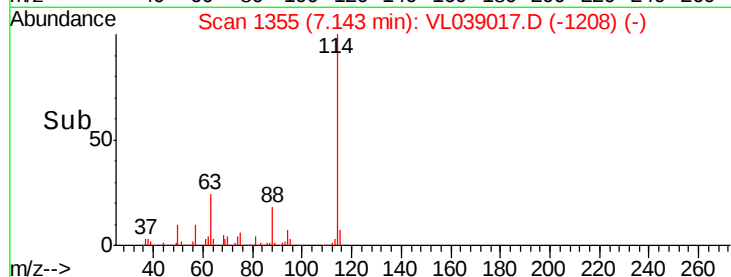
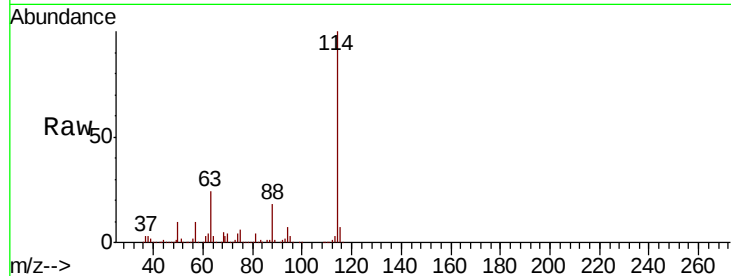


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV2DL2
 Acq: 10 May 2022 12:43

Tot Ion:1
 Ion Rati
 114 100
 63 24.
 88 17.

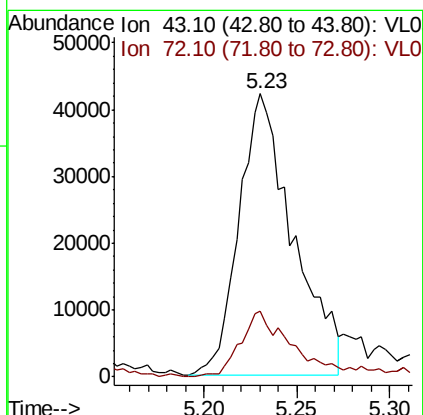
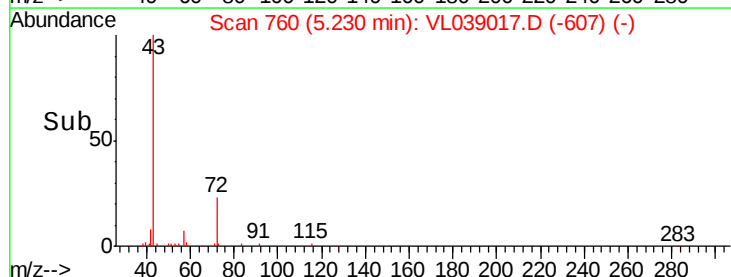
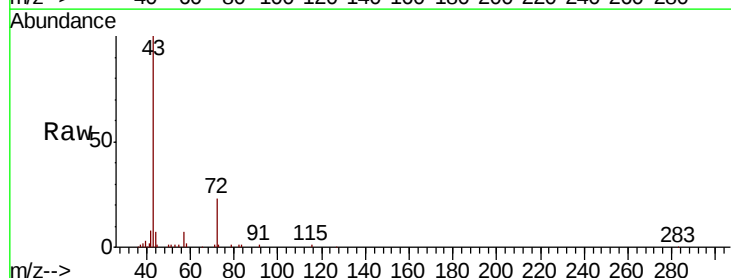
Manual Integrations
 APPROVED

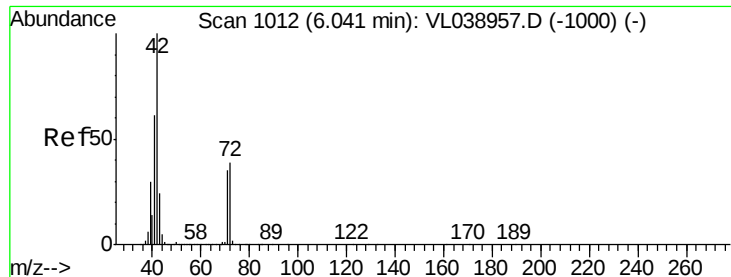
Reviewed By :Semsettin Yesilyurt 05/11/2022
 Supervised By :Mahesh Dadoda 05/11/2022



#34
 2-Butanone
 Concen: 0.571 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.01 min
 Lab File: VL039017.D
 Acq: 10 May 2022 12:43

Tgt Ion: 43 Resp: 85463
 Ion Ratio Lower Upper
 43 100
 72 26.8 17.8 26.6#





#41

Tetrahydrofuran

Concen: 0.529 ppbv m

RT: 6.05 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampled:

Acq: 10 May 2022 12:43 SV2DL2

Tot Ion:

Ion Ratio

42 100

72 0.

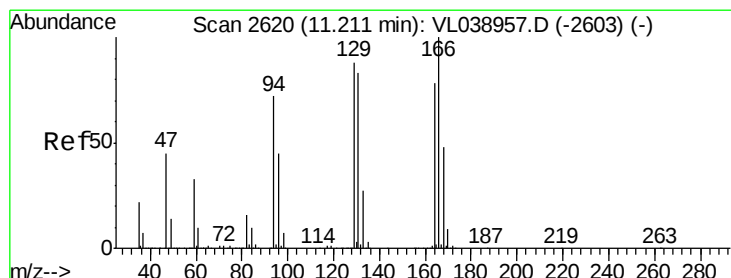
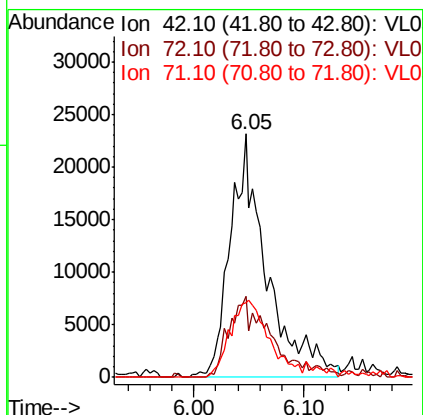
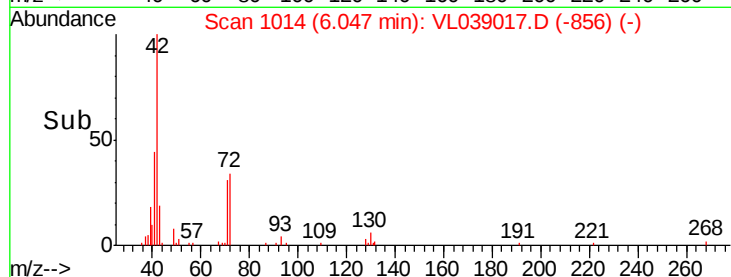
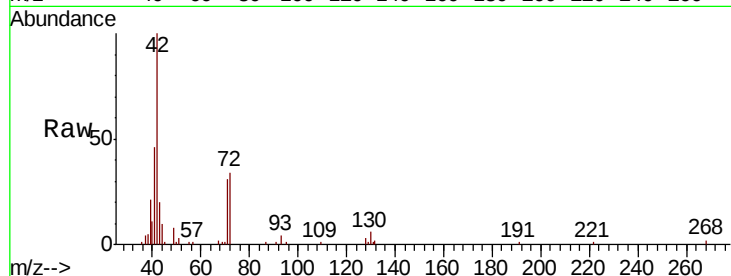
71 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022

Supervised By :Mahesh Dadoda 05/11/2022



#52

Tetrachloroethene

Concen: 1.009 ppbv

RT: 11.19 min Scan# 2613

Delta R.T. -0.02 min

Lab File: VL039017.D

Acq: 10 May 2022 12:43

Tgt Ion:164 Resp: 90574

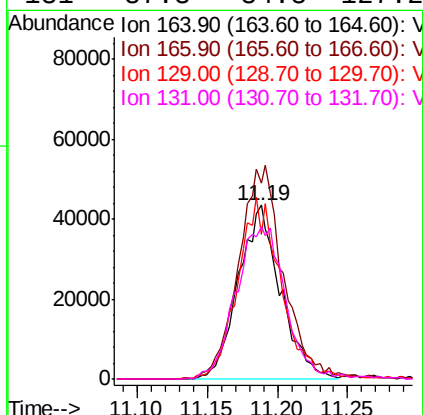
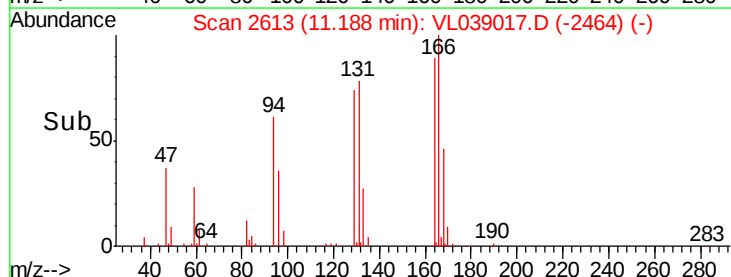
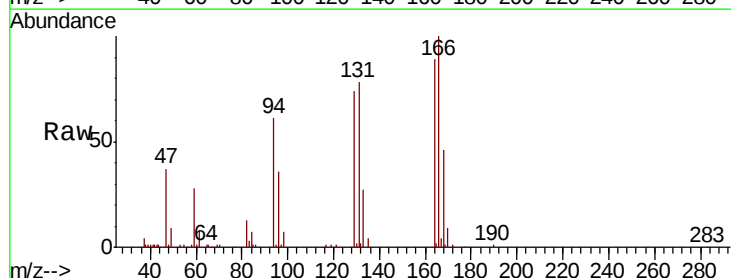
Ion Ratio Lower Upper

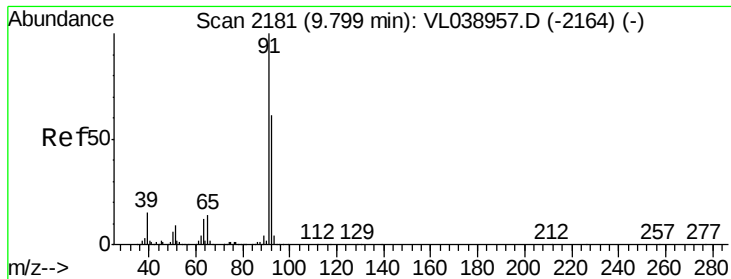
164 100

166 112.5 102.5 153.7

129 83.5 90.1 135.1#

131 87.3 84.8 127.2





#53

Toluene

Concen: 0.337 ppbv

RT: 9.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SV2DL2
Acq: 10 May 2022 12:43

Tot Ion:

Ion Ratio

91 100

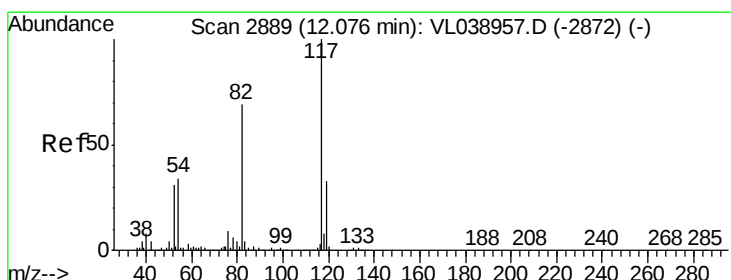
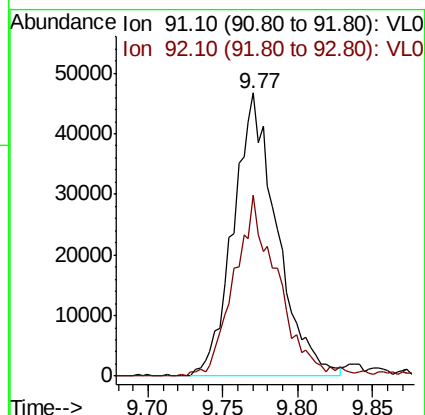
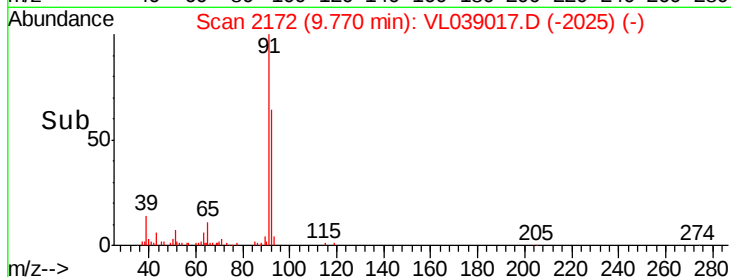
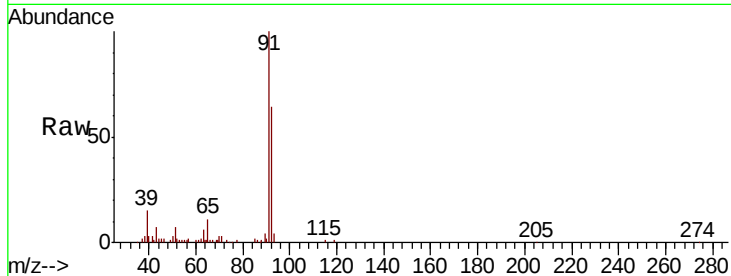
92 64.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022

Supervised By :Mahesh Dadoda 05/11/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.05 min Scan# 2881

Delta R.T. -0.03 min

Lab File: VL039017.D

Acq: 10 May 2022 12:43

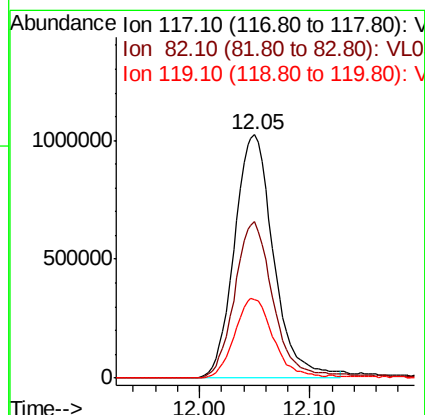
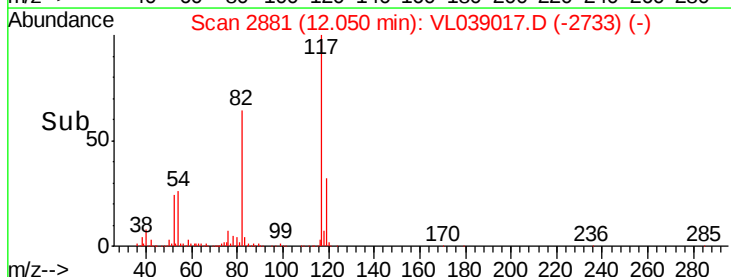
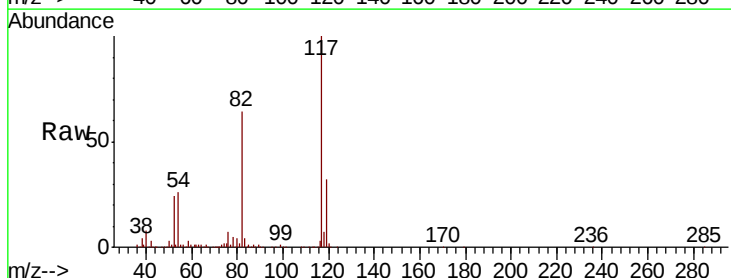
Tgt Ion:117 Resp: 2523523

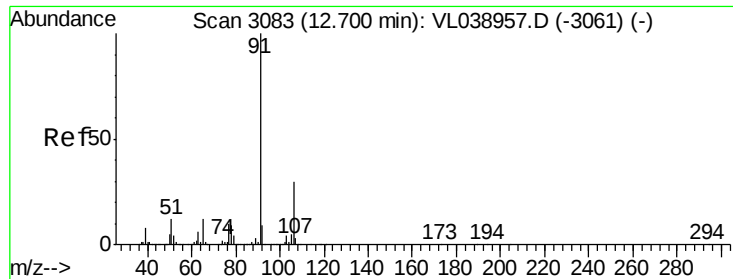
Ion Ratio Lower Upper

117 100

82 64.8 57.0 85.6

119 33.0 27.2 40.8



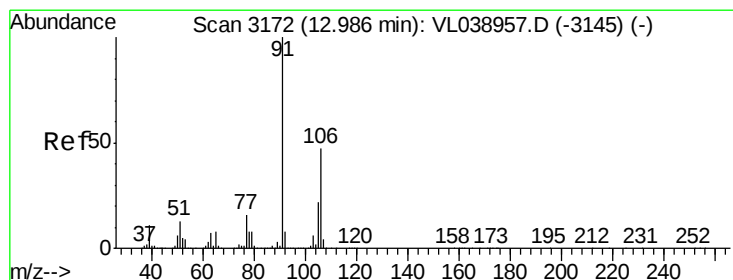
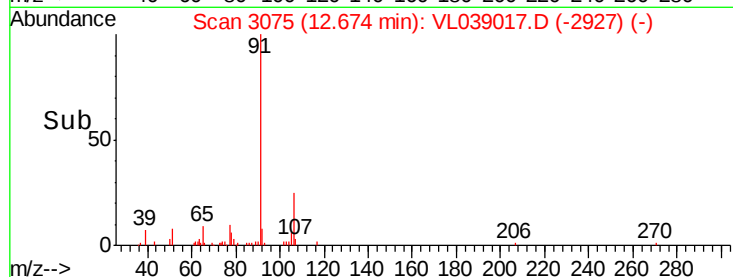
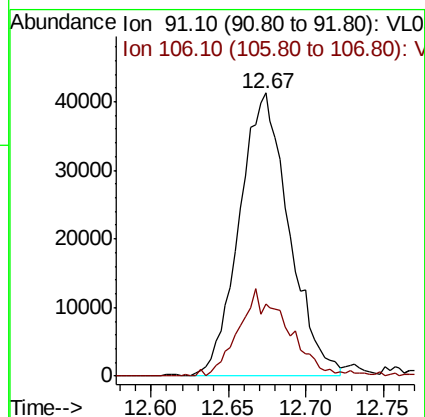
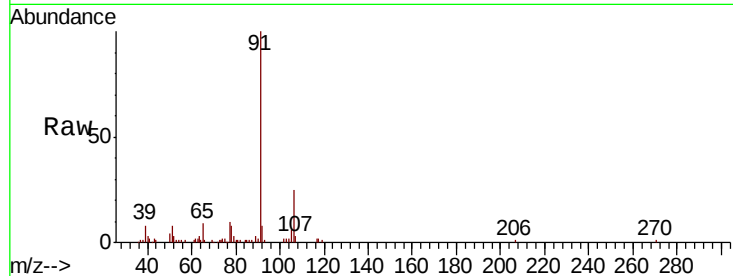


#58
Ethyl Benzene
Concen: 0.255 ppbv
RT: 12.67 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
SV2DL2
Acq: 10 May 2022 12:43

Tot Ion:
Ion Ratio
91 100
106 25.

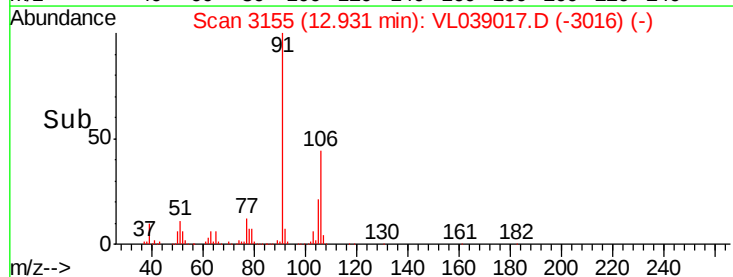
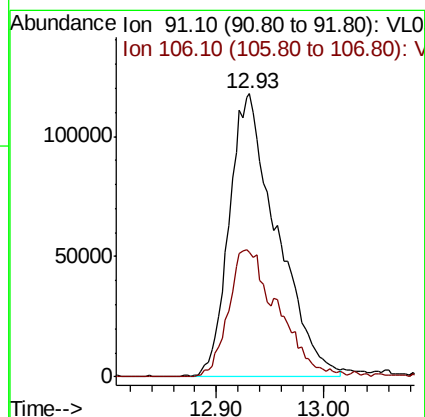
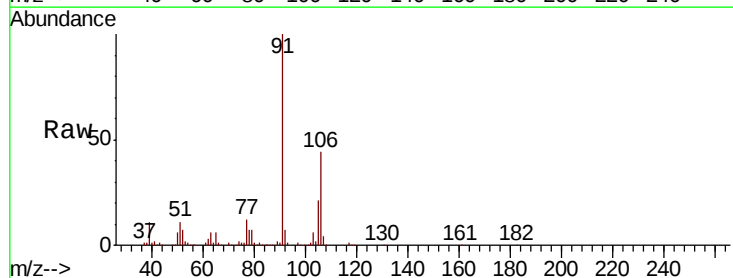
Manual Integrations
APPROVED

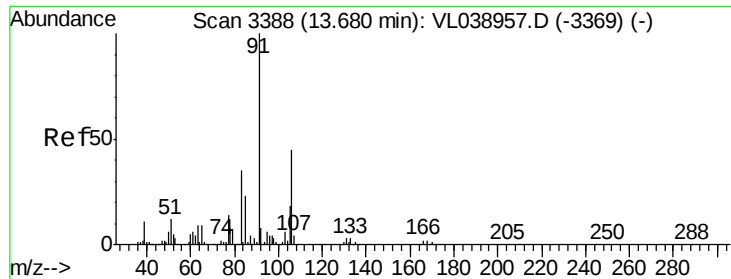
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#59
m/p-Xylene
Concen: 1.157 ppbv
RT: 12.93 min Scan# 3155
Delta R.T. -0.05 min
Lab File: VL039017.D
Acq: 10 May 2022 12:43

Tgt Ion: 91 Resp: 358764
Ion Ratio Lower Upper
91 100
106 48.3 34.6 52.0



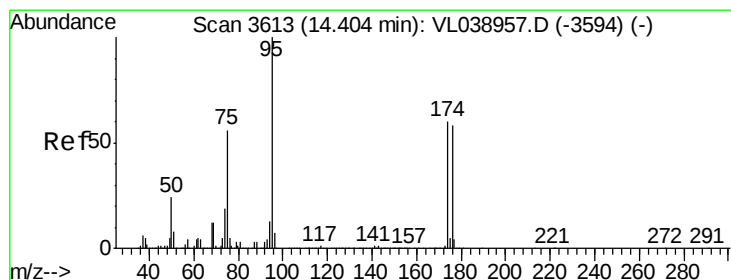
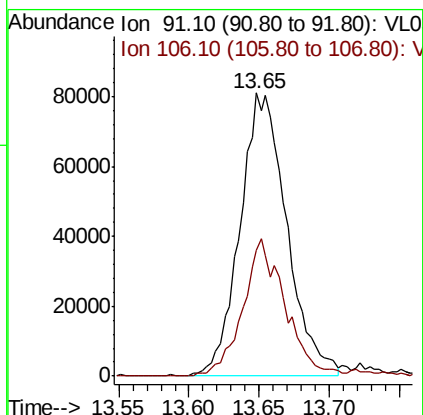
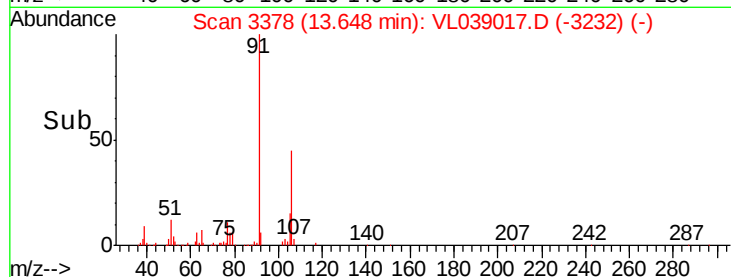
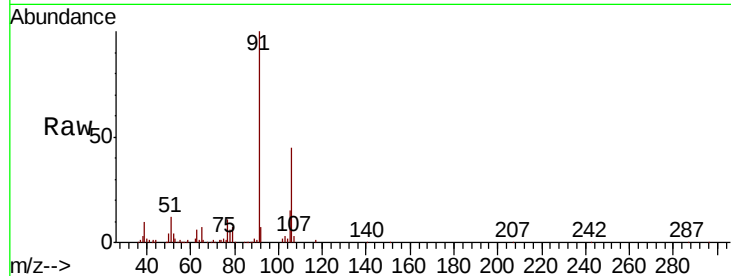


#60
o-Xylene
Concen: 0.645 ppbv
RT: 13.65
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV2DL2
Acq: 10 May 2022 12:43

Tot Ion:
Ion Ratio
91 100
106 45.

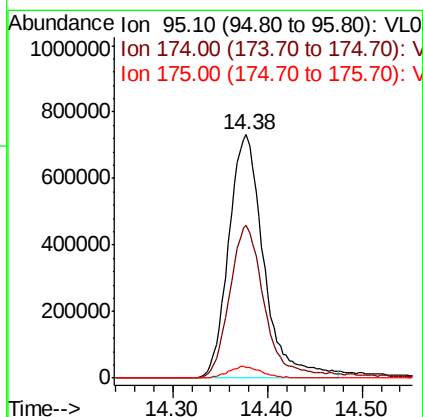
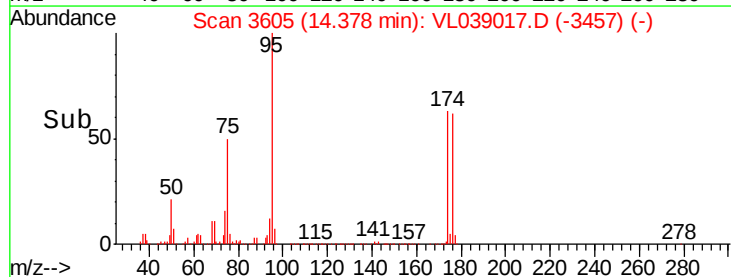
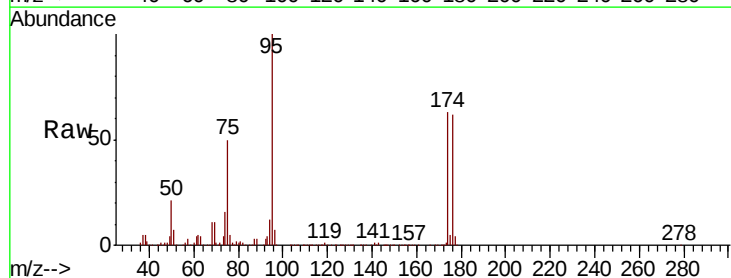
Manual Integrations
APPROVED

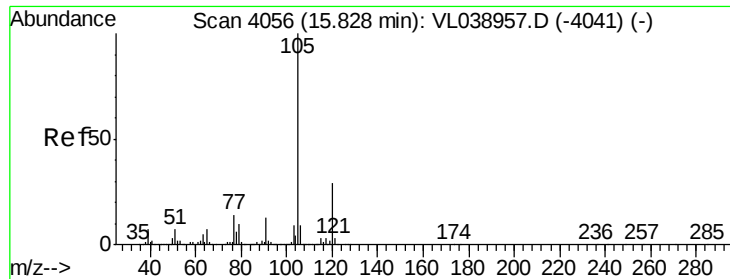
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.450 ppbv
RT: 14.38 min Scan# 3605
Delta R.T. -0.03 min
Lab File: VL039017.D
Acq: 10 May 2022 12:43

Tgt Ion: 95 Resp: 1888628
Ion Ratio Lower Upper
95 100
174 64.4 50.8 76.2
175 4.7 3.8 5.6





#72

4-Ethyltoluene

Concen: 0.156 ppbv

RT: 15.81

Delta R.T. MSVOA_L

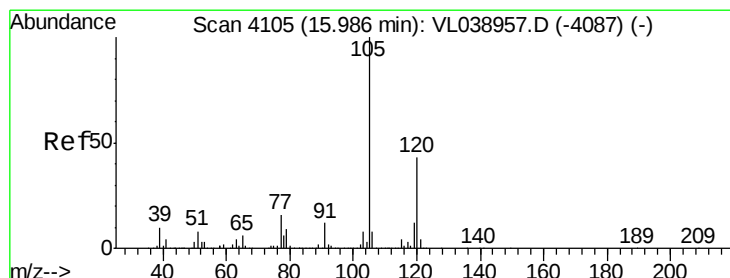
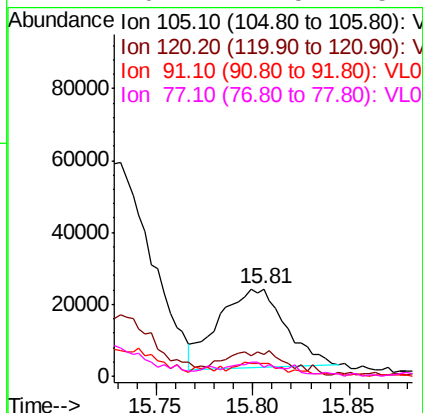
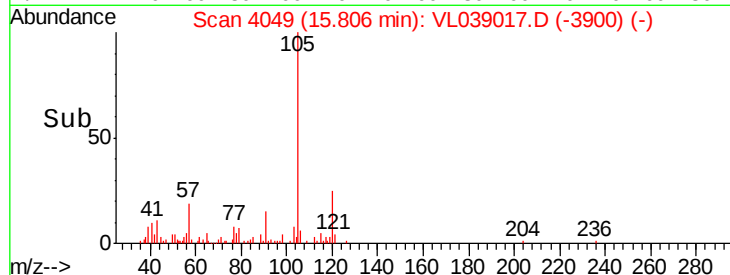
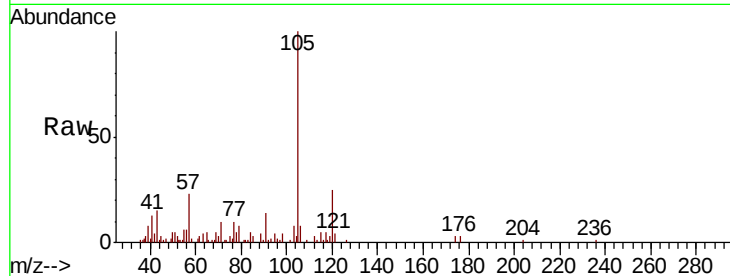
Lab File: ClientSampleId :

SV2DL2
Acq: 10 May 2022 12:43

Tot Ion:1
Ion Rati
105 100
120 32.
91 20.
77 20.1 12.5 18.7#

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#73

1,3,5-Trimethylbenzene

Concen: 0.226 ppbv m

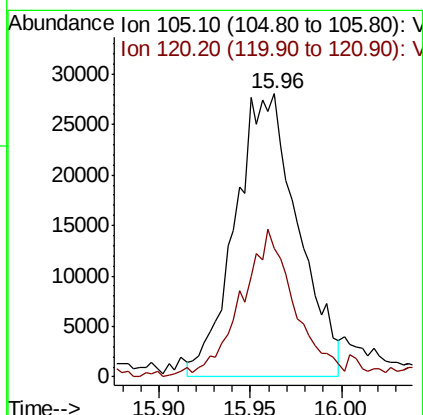
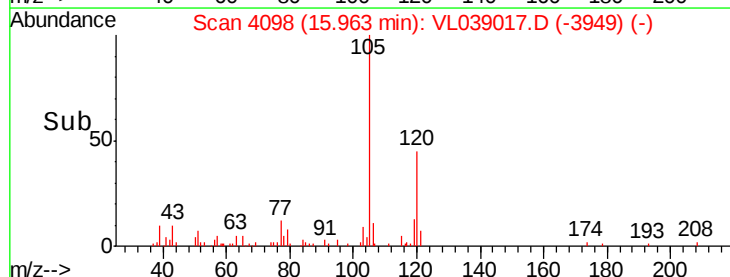
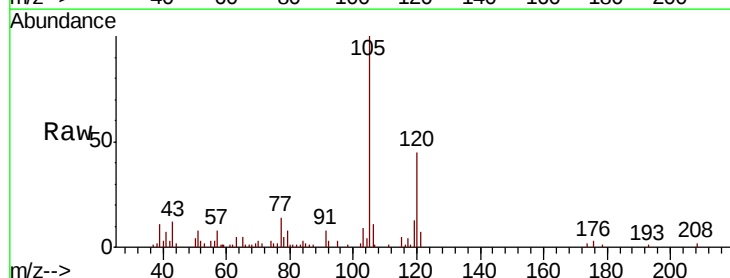
RT: 15.96 min Scan# 4098

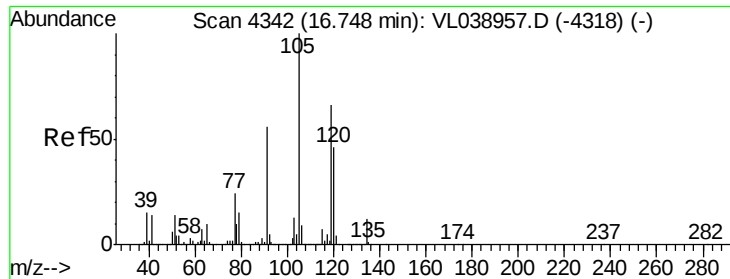
Delta R.T. -0.02 min

Lab File: VL039017.D

Acq: 10 May 2022 12:43

Tgt Ion:105 Resp: 67671
Ion Ratio Lower Upper
105 100
120 45.5 34.4 51.6





#74
 1,2,4-Trimethylbenzene
 Concen: 0.448 ppbv
 RT: 16.72
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 SV2DL2
 Acq: 10 May 2022 12.45

Tot Ion:1
 Ion Rati
 105 100
 120 43.
 91 8.
 77 12.1 19.2 28.8#

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022
 Supervised By :Mahesh Dadoda 05/11/2022

