

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL039018.D
 Acq On : 10 May 2022 13:21
 Operator : SY/AP
 Sample : N2696-03DL2 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV3DL2

Manual Integrations
 APPROVED

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

Quant Time: May 11 11:22:34 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A
 Quant Title : AIR ANALYSIS BY METHOD TO-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	5.65	49	1024625	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2885309	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	2480425	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1762494	8.97	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.70%

Target Compounds

					Ovalue
9) Propene	3.00	41	227467	4.097 ppbv	89
10) Heptane	8.10	43	44685	0.328 ppbv	95
13) Ethanol	3.59	45	119191	30.334 ppbv	95
15) Acetone	3.84	43	149119m	1.543 ppbv	
17) tert-Butyl alcohol	4.28	59	137012	1.844 ppbv	96
19) Isopropyl Alcohol	3.96	45	35339m	0.769 ppbv	
26) Hexane	5.66	57	79336	0.772 ppbv #	52
27) Carbon Disulfide	4.54	76	13087	0.134 ppbv #	80
30) Cyclohexane	7.10	84	19378m	0.225 ppbv	
34) 2-Butanone	5.23	43	103410	0.703 ppbv #	90
36) Benzene	6.86	78	34770	0.141 ppbv #	92
41) Tetrahydrofuran	6.03	42	74714m	0.755 ppbv	
44) 2,2,4-Trimethylpentane	7.84	57	224029	0.517 ppbv #	84
52) Tetrachloroethene	11.19	164	490974	5.564 ppbv	97
53) Toluene	9.77	91	191658	0.693 ppbv	98
58) Ethyl Benzene	12.67	91	129285	0.362 ppbv	92
59) m/p-Xylene	12.93	91	423605m	1.390 ppbv	
60) o-Xylene	13.65	91	211335	0.737 ppbv	99
73) 1,3,5-Trimethylbenzene	15.96	105	28103m	0.096 ppbv	
74) 1,2,4-Trimethylbenzene	16.72	105	49570m	0.154 ppbv	

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050922\
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Operator : SY/AP
Sample : N2696-03DL2 20X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Manual Integrations
APPROVED

Quant Time: May 11 11:22:34 2022

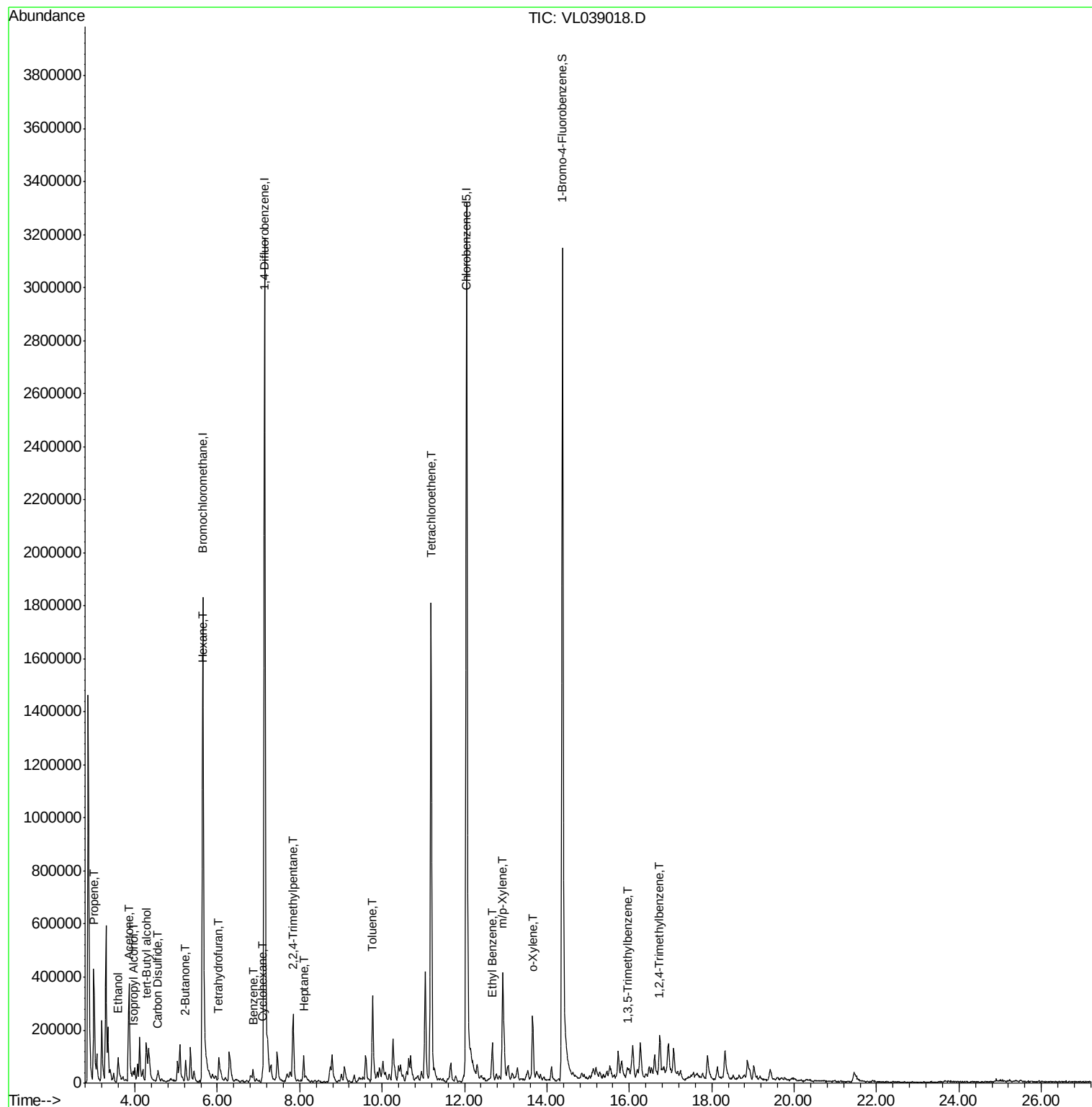
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522

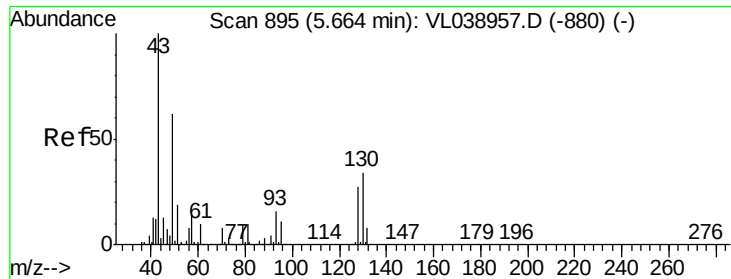
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

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: 5.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 13:21

Tot Ion:

Ion Ratio

49 100

128 50.

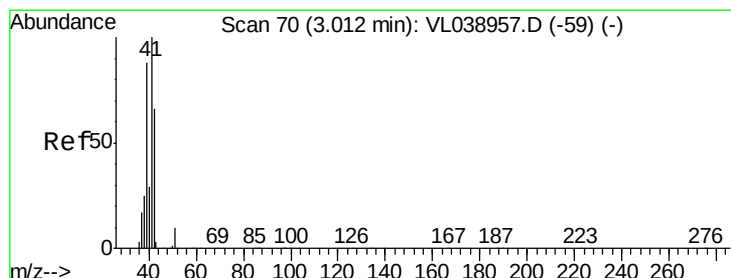
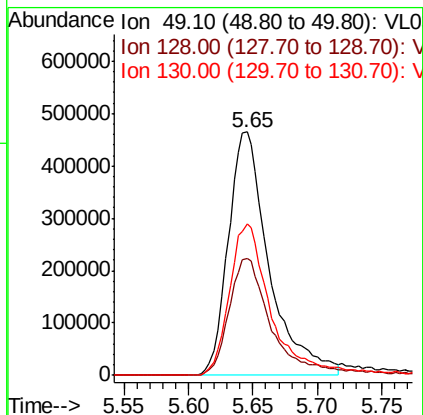
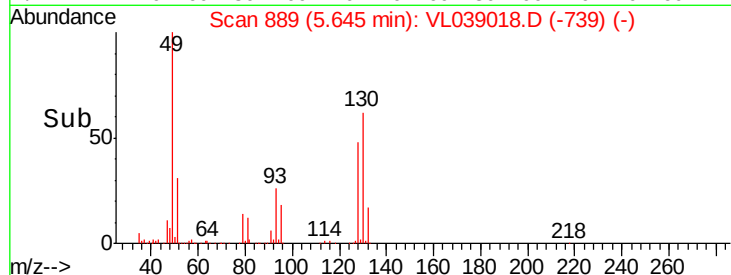
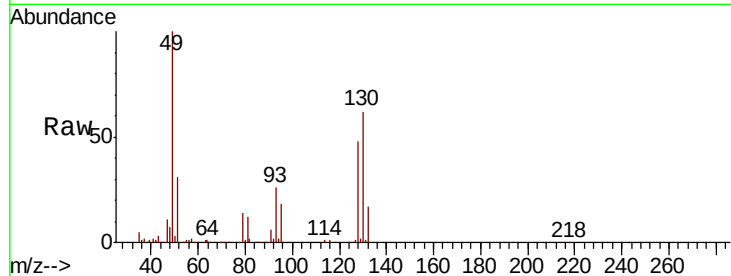
130 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/11/2022

Supervised By :Mahesh Dadoda 05/11/2022



#9

Propene

Concen: 4.097 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL039018.D

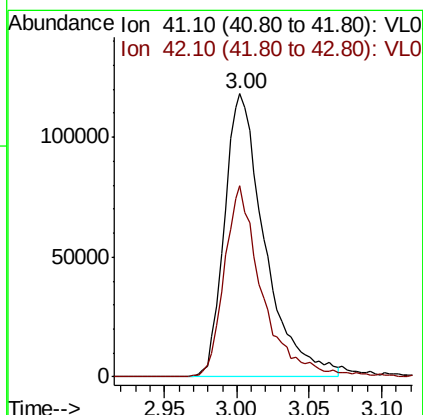
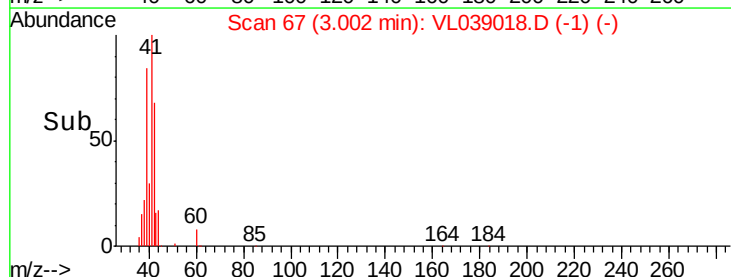
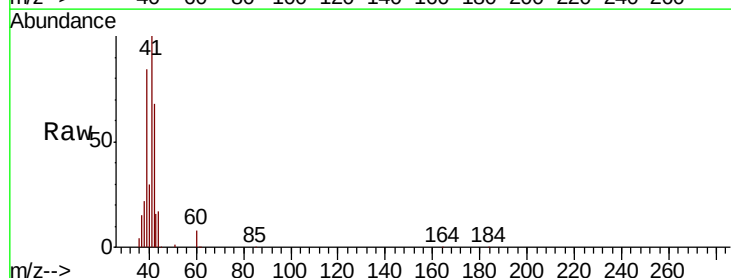
Acq: 10 May 2022 13:21

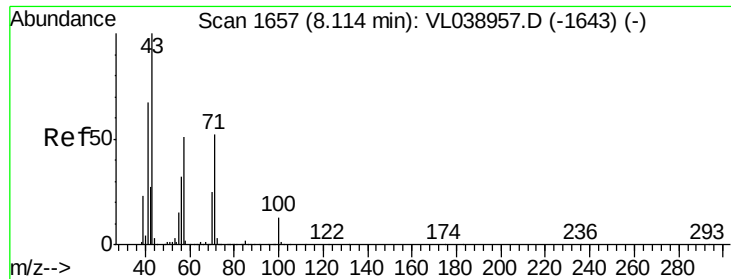
Tgt Ion: 41 Resp: 227467

Ion Ratio Lower Upper

41 100

42 63.9 58.3 87.5



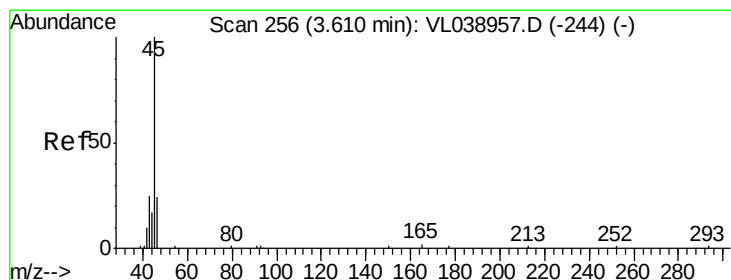
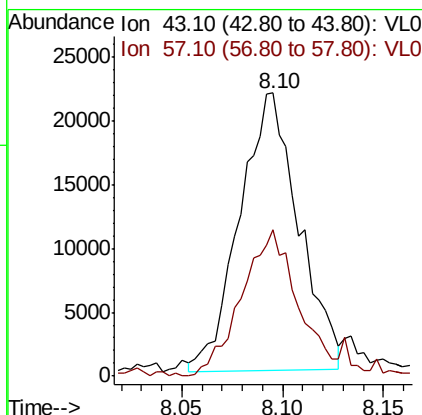
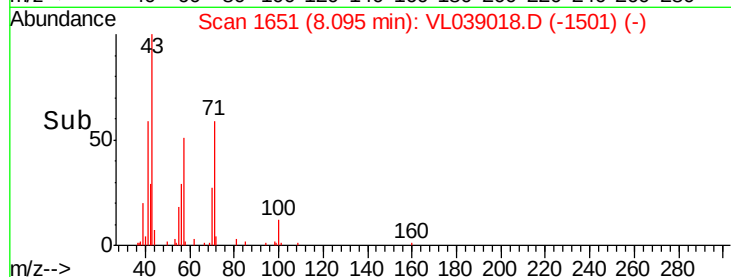
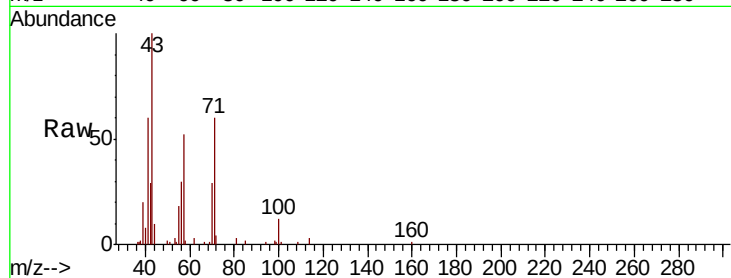


#10
Heptane
Concen: 0.328 ppbv
RT: 8.10
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV3DL2
Acq: 10 May 2022 13:21

Tot Ion:
Ion Ratio
43 100
57 54.

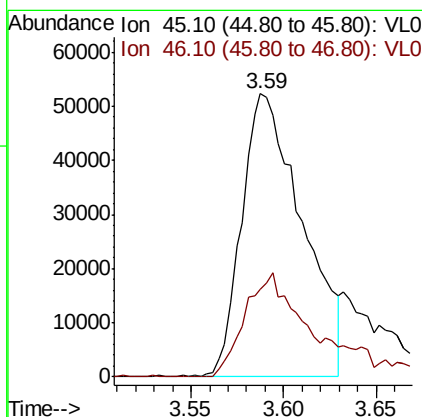
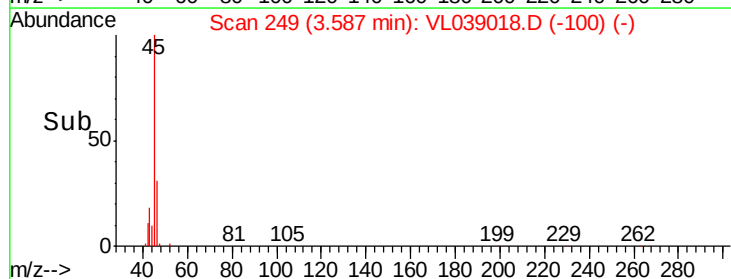
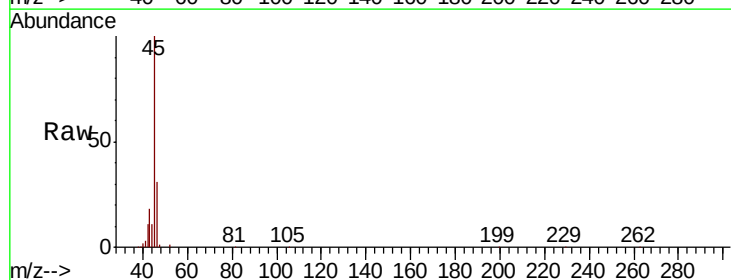
Manual Integrations
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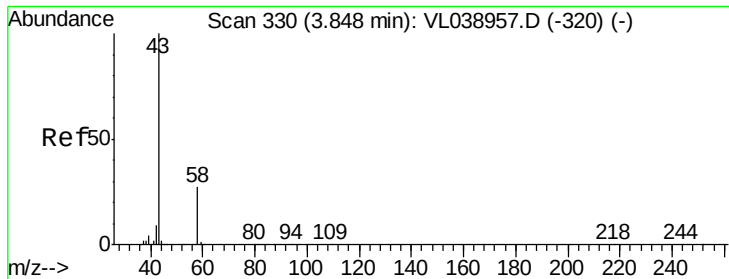
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#13
Ethanol
Concen: 30.334 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.02 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 45 Resp: 119191
Ion Ratio Lower Upper
45 100
46 48.2 18.0 72.2



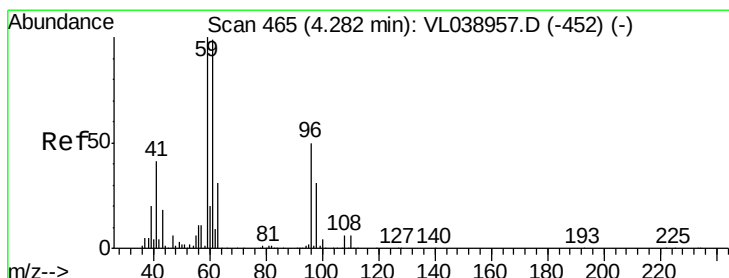
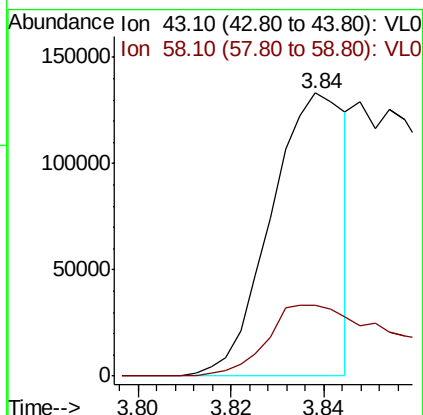
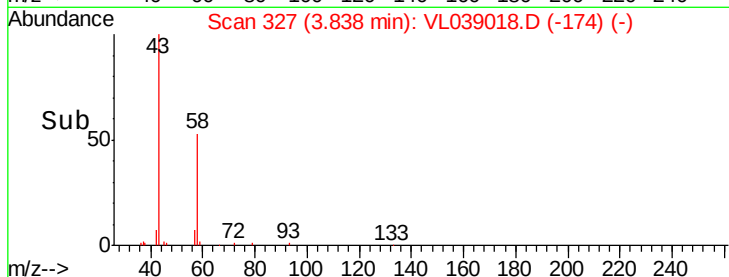
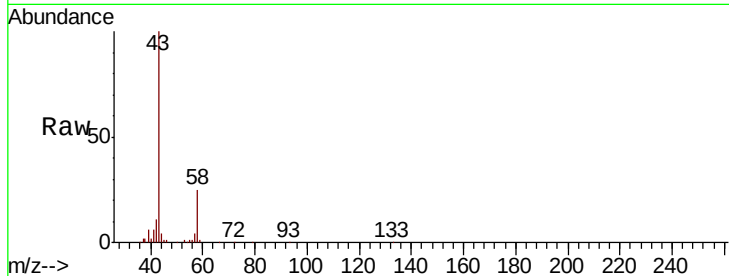


#15
Acetone
Concen: 1.543 ppbv m
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV3DL2
Acq: 10 May 2022 13:21

Tot Ion:
Ion Rati
43 100
58 53.

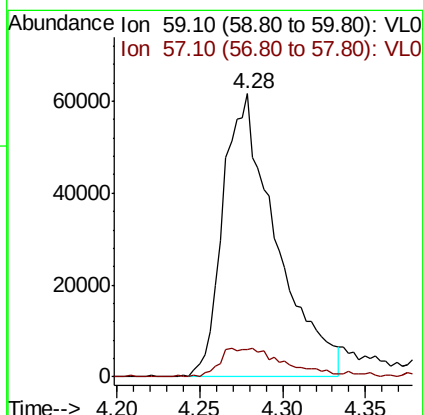
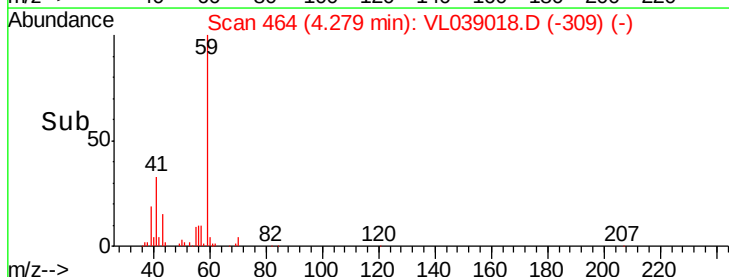
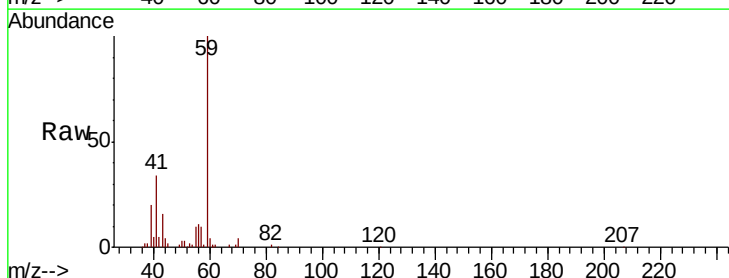
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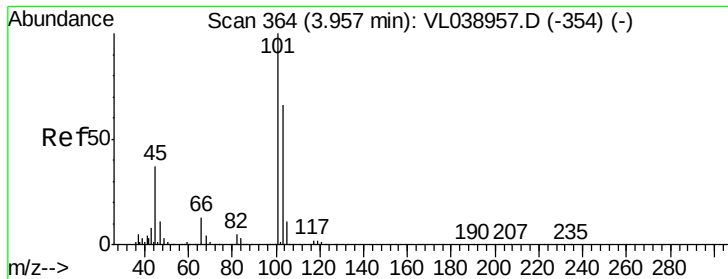
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#17
tert-Butyl alcohol
Concen: 1.844 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.00 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 59 Resp: 137012
Ion Ratio Lower Upper
59 100
57 13.0 9.2 13.8





#19

Isopropyl Alcohol

Concen: 0.769 ppbv m

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

SV3DL2

Acq: 10 May 2022 13:21

Tot Ion:

Ion Ratio

45 100

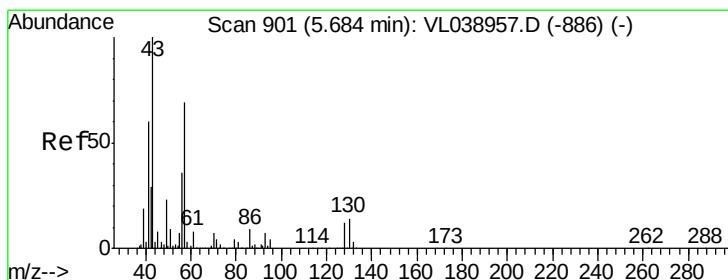
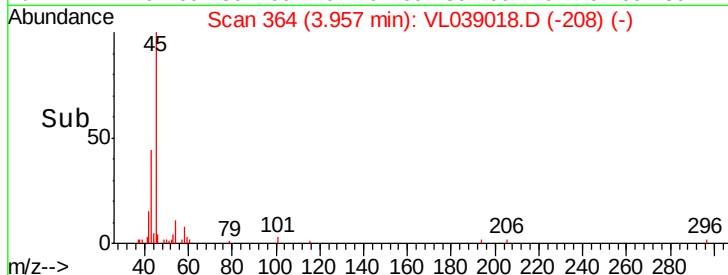
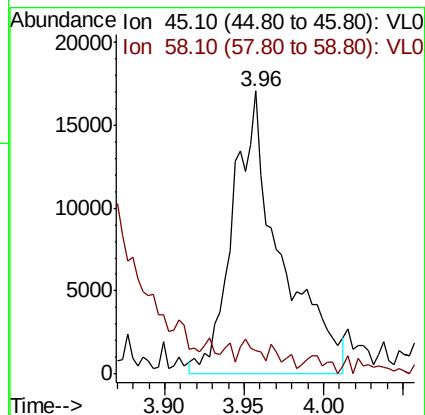
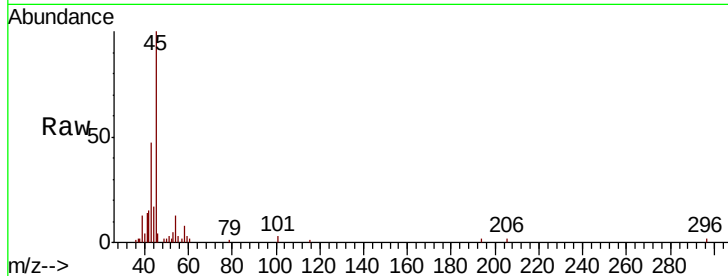
58 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022

Supervised By :Mahesh Dadoda 05/11/2022



#26

Hexane

Concen: 0.772 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.02 min

Lab File: VL039018.D

Acq: 10 May 2022 13:21

Tgt Ion: 57 Resp: 79336

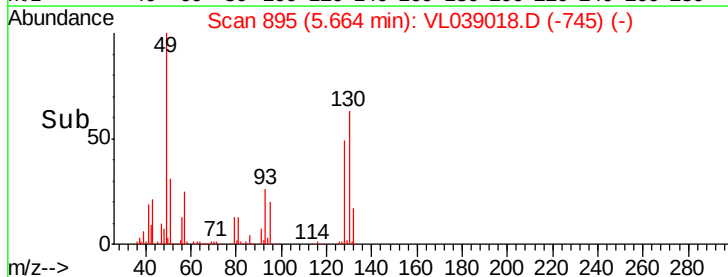
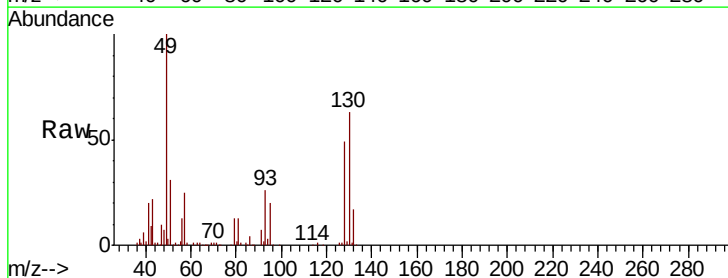
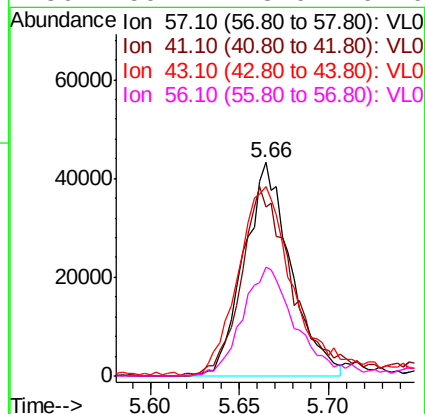
Ion Ratio Lower Upper

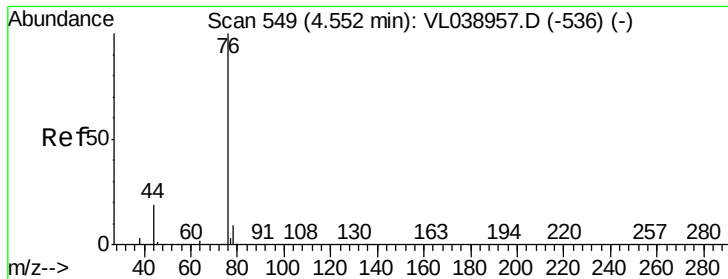
57 100

41 98.4 75.2 112.8

43 112.2 190.8 286.2#

56 59.1 43.0 64.6





#27

Carbon Disulfide

Concen: 0.134 ppbv

RT: 4.54 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

SV3DL2

Acq: 10 May 2022 13:21

Tot Ion:

Ion Ratio

76 100

44 28.

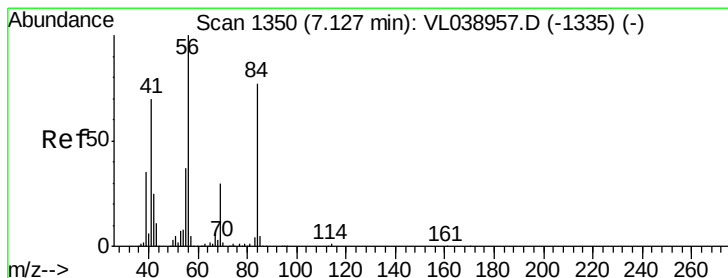
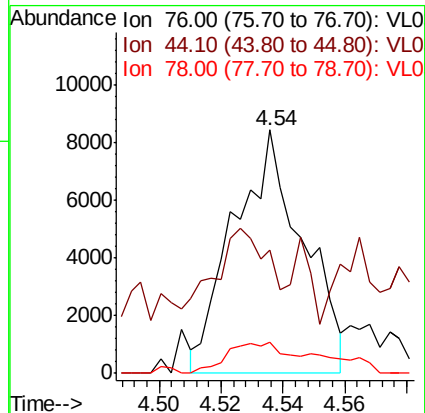
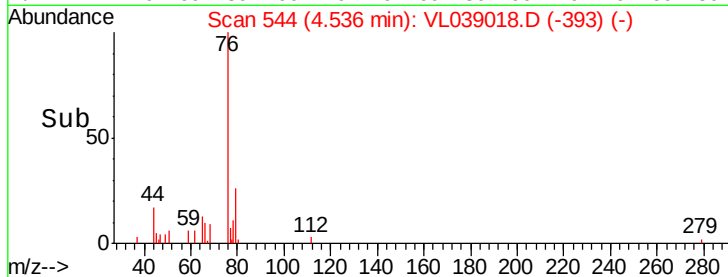
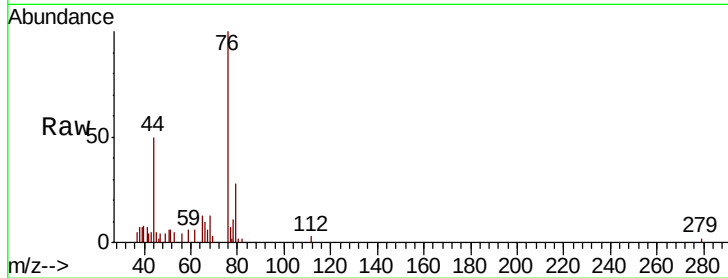
78 17.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022

Supervised By :Mahesh Dadoda 05/11/2022



#30

Cyclohexane

Concen: 0.225 ppbv m

RT: 7.10 min Scan# 1341

Delta R.T. -0.03 min

Lab File: VL039018.D

Acq: 10 May 2022 13:21

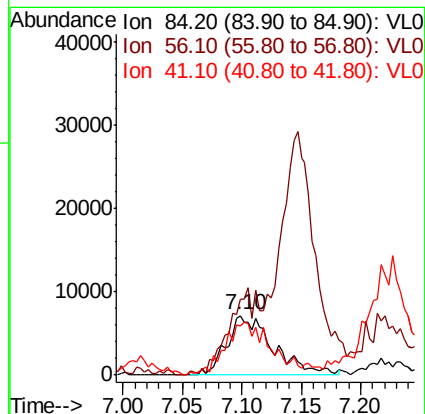
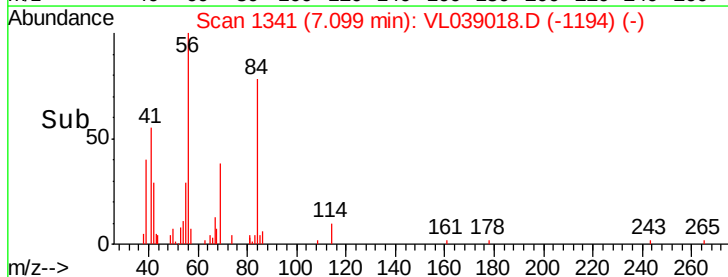
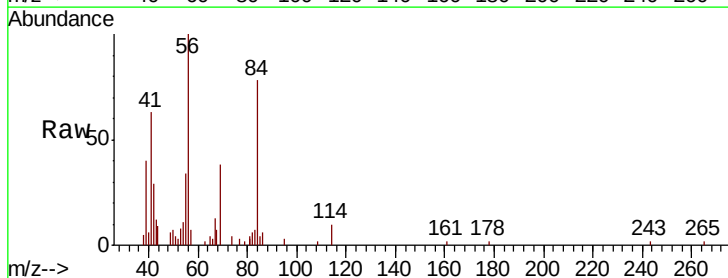
Tgt Ion: 84 Resp: 19378

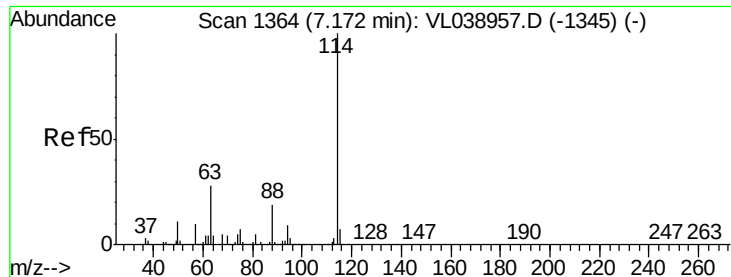
Ion Ratio Lower Upper

84 100

56 0.0 115.3 172.9#

41 85.3 72.0 108.0



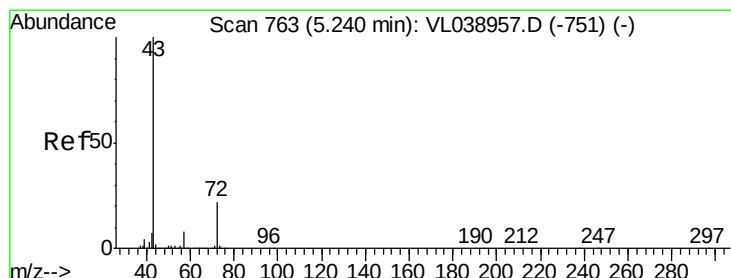
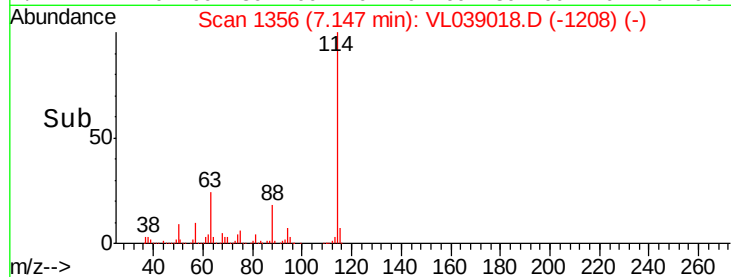
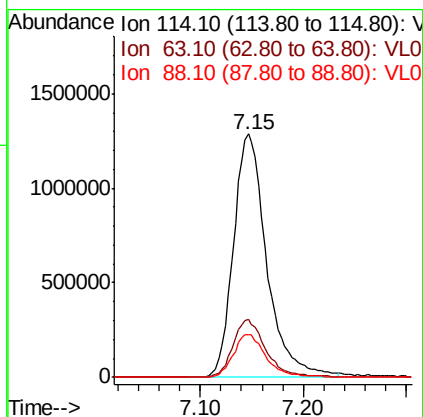
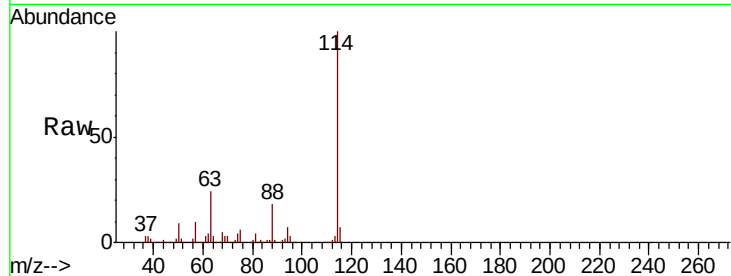


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15
 Instrument : MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SV3DL2
 Acq: 10 May 2022 13:21

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

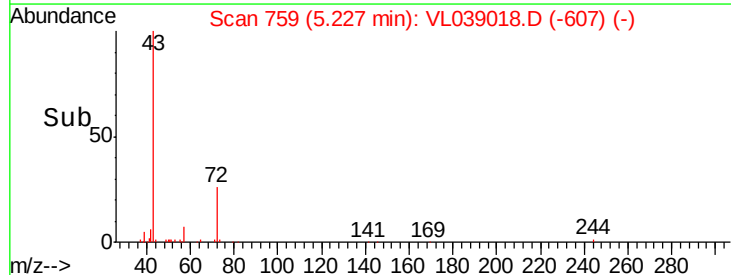
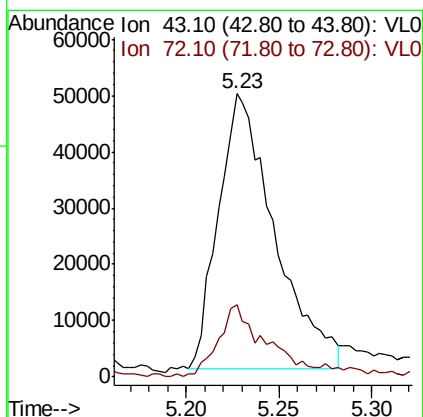
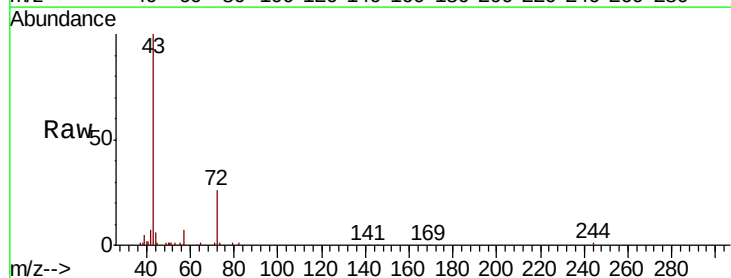
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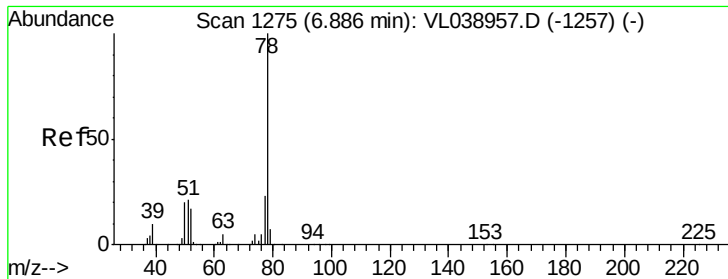
Reviewed By :Semsettin Yesilyurt 05/11/2022
 Supervised By :Mahesh Dadoda 05/11/2022



#34
 2-Butanone
 Concen: 0.703 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VL039018.D
 Acq: 10 May 2022 13:21

Tgt Ion: 43 Resp: 103410
 Ion Ratio Lower Upper
 43 100
 72 27.2 17.8 26.6#



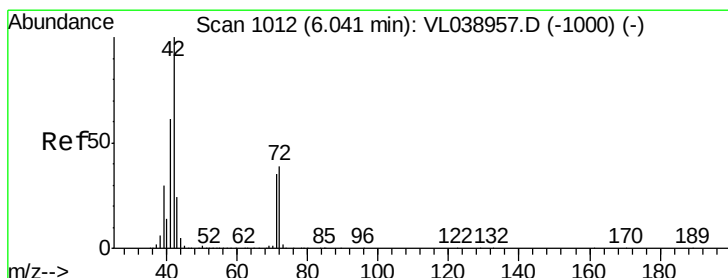
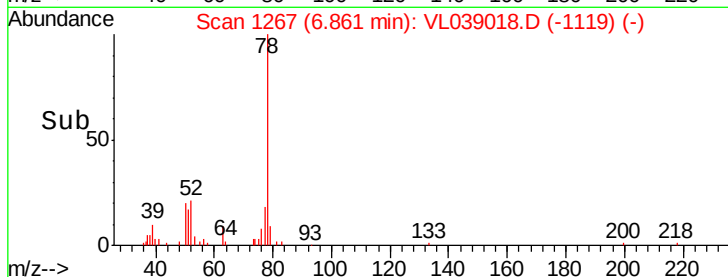
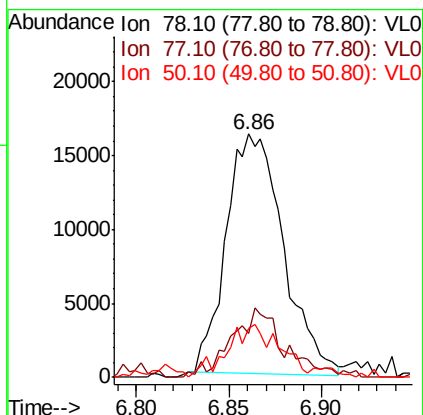
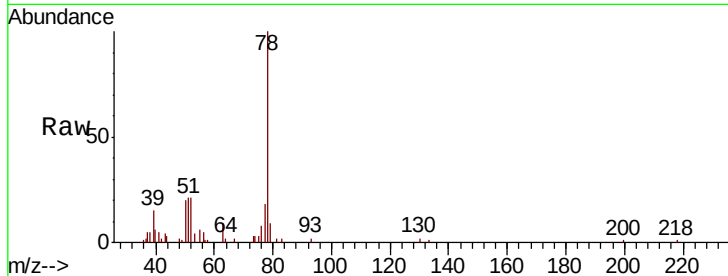


#36
Benzene
Concen: 0.141 ppbv
RT: 6.86
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SV3DL2
Acq: 10 May 2022 13:21

Tot Ion:
Ion Ratio
78 100
77 17.
50 20.

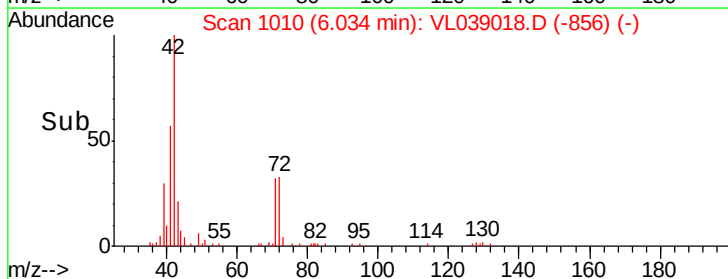
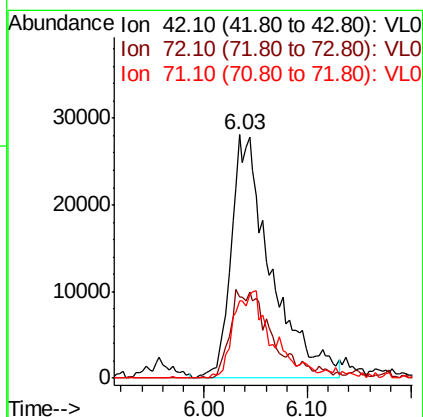
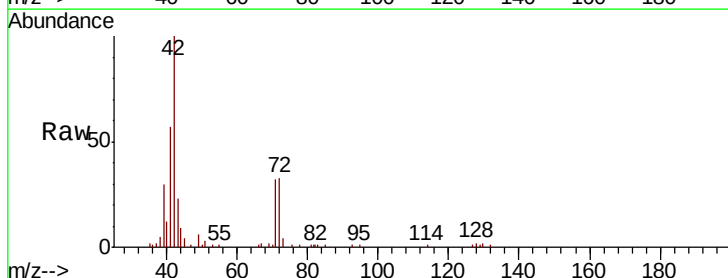
Manual Integrations
APPROVED

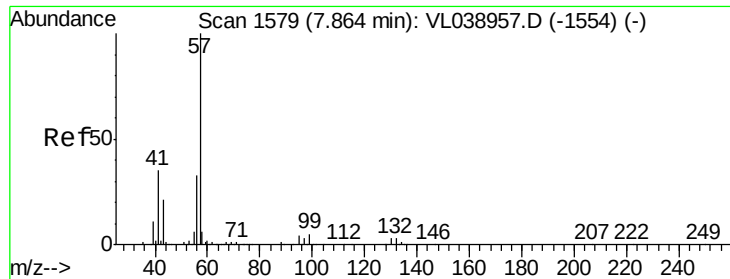
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#41
Tetrahydrofuran
Concen: 0.755 ppbv m
RT: 6.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 42 Resp: 74714
Ion Ratio Lower Upper
42 100
72 38.8 31.8 47.6
71 0.0 30.6 45.8#



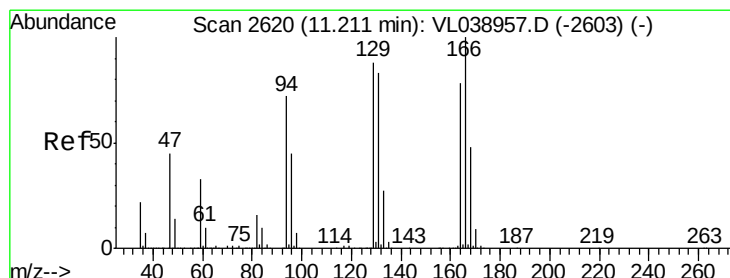
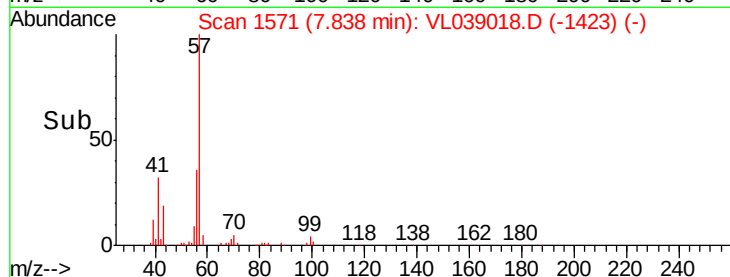
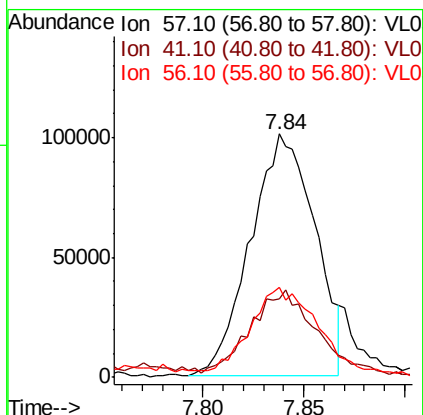
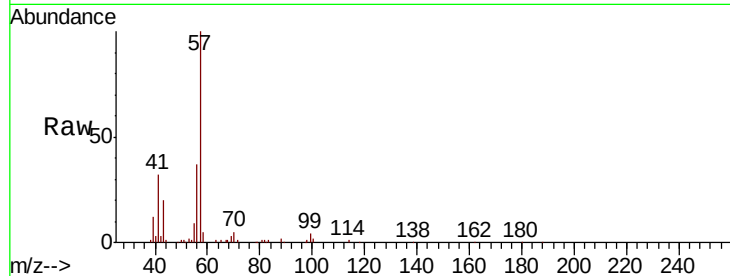


#44
2,2,4-Trimethylpentane
Concen: 0.517 ppbv
RT: 7.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV3DL2
Acq: 10 May 2022 13:21

Tot Ion:
Ion Ratio
57 100
41 39.
56 42.

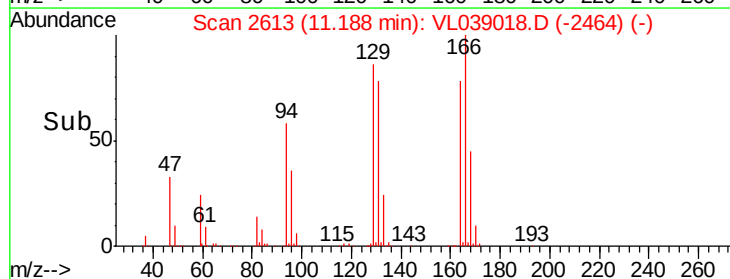
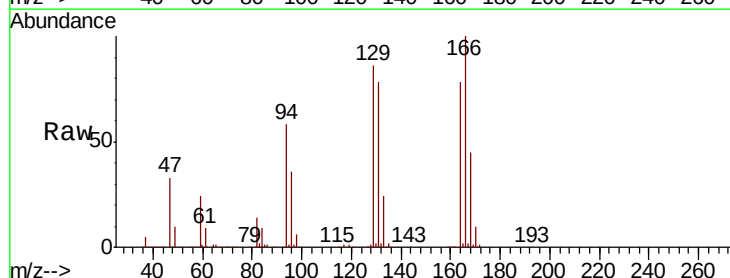
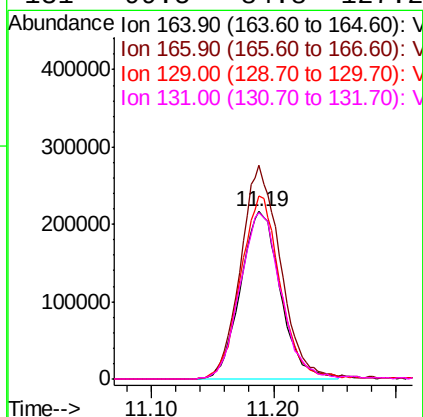
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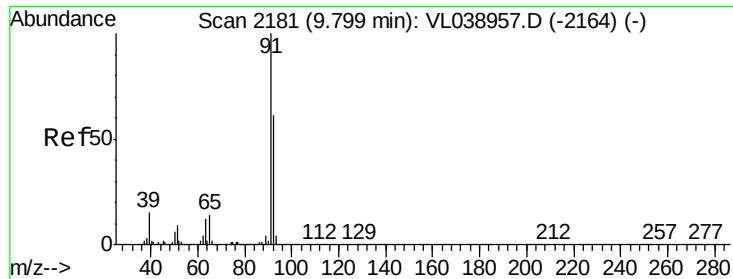
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#52
Tetrachloroethene
Concen: 5.564 ppbv
RT: 11.19 min Scan# 2613
Delta R.T. -0.02 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion:164 Resp: 490974
Ion Ratio Lower Upper
164 100
166 127.6 102.5 153.7
129 109.2 90.1 135.1
131 99.5 84.8 127.2





#53

Toluene

Concen: 0.693 ppbv

RT: 9.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 13:21 SV3DL2

Tot Ion:

Ion Ratio

91 100

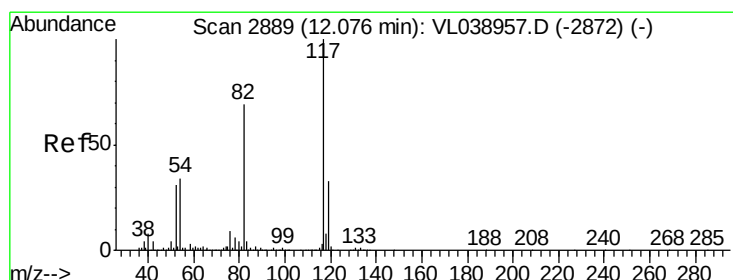
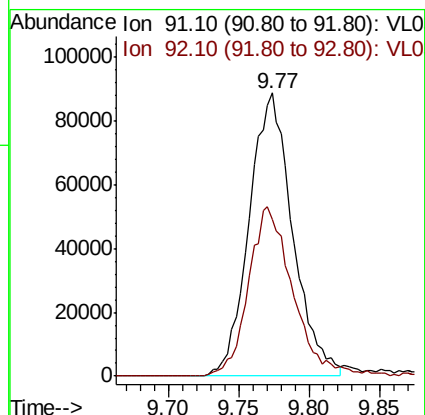
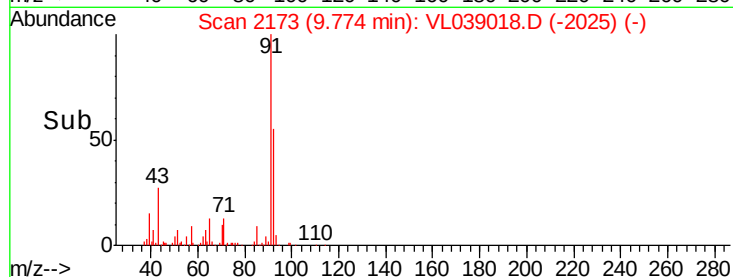
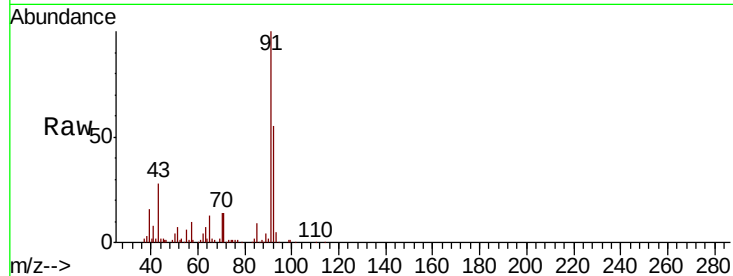
92 61.

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: VL039018.D

Acq: 10 May 2022 13:21

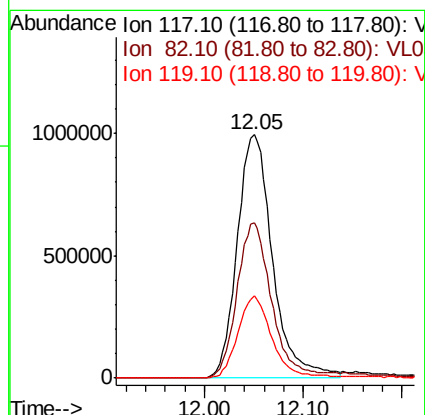
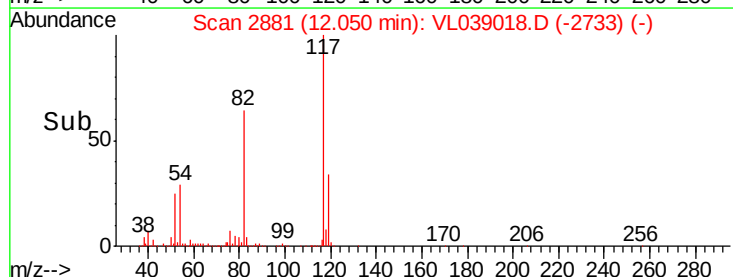
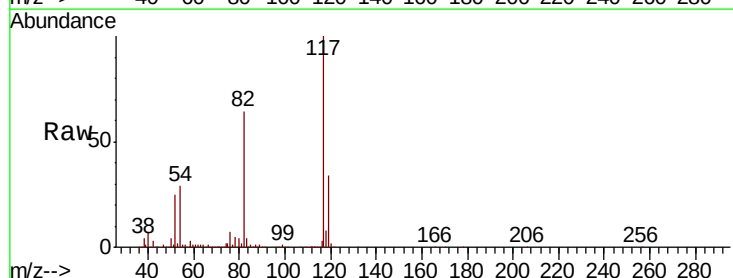
Tgt Ion:117 Resp: 2480425

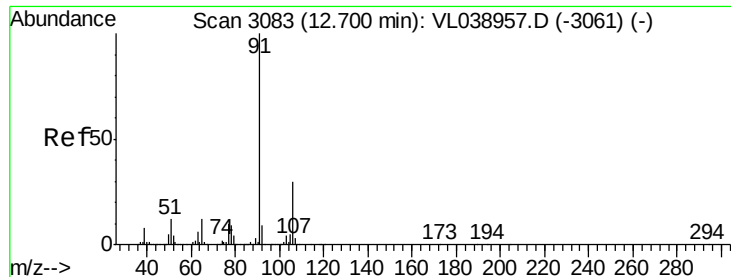
Ion Ratio Lower Upper

117 100

82 66.3 57.0 85.6

119 33.9 27.2 40.8



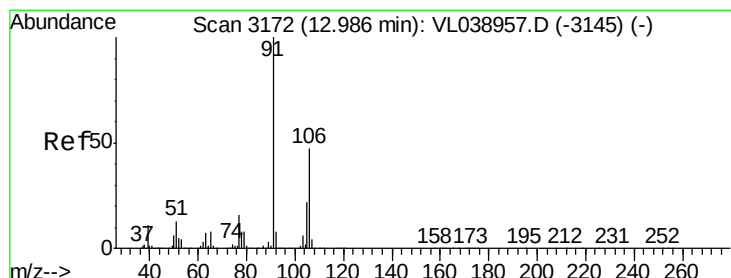
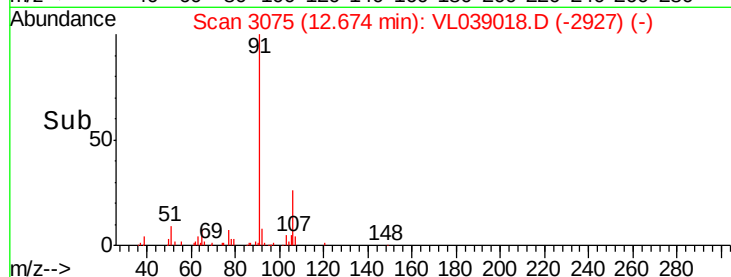
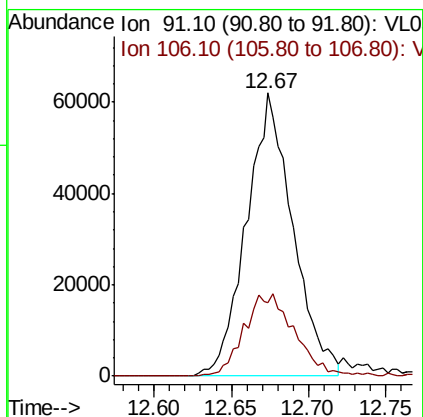
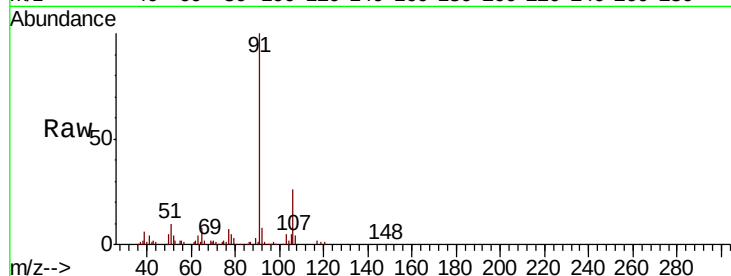


#58
Ethyl Benzene
Concen: 0.362 ppbv
RT: 12.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SV3DL2
Acq: 10 May 2022 13:21

Tot Ion:
Ion Ratio
91 100
106 25.

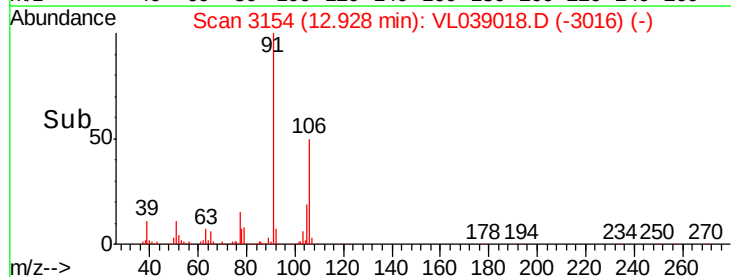
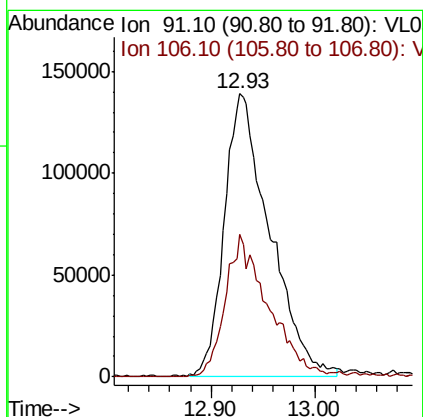
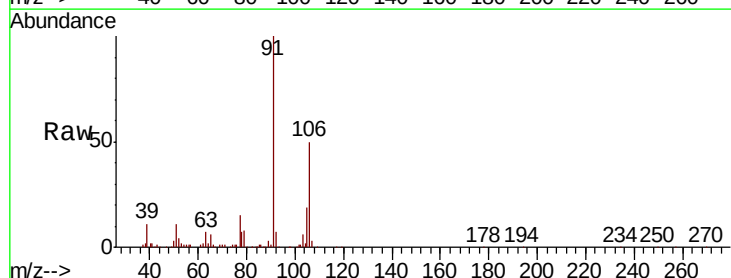
Manual Integrations
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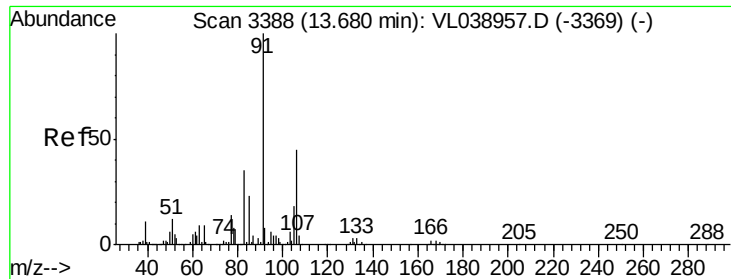
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#59
m/p-Xylene
Concen: 1.390 ppbv m
RT: 12.93 min Scan# 3154
Delta R.T. -0.06 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 91 Resp: 423605
Ion Ratio Lower Upper
91 100
106 0.0 34.6 52.0#



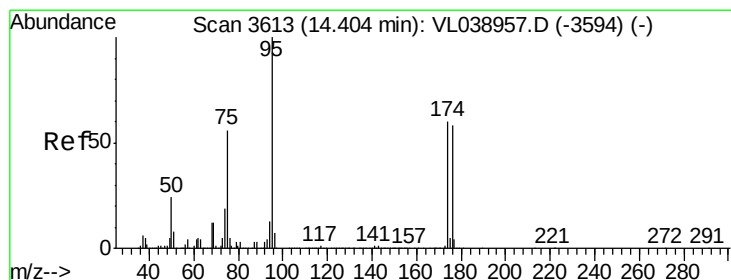
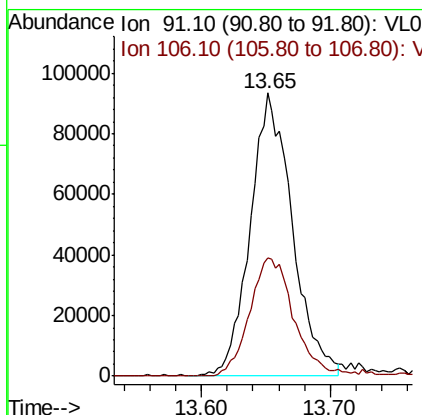
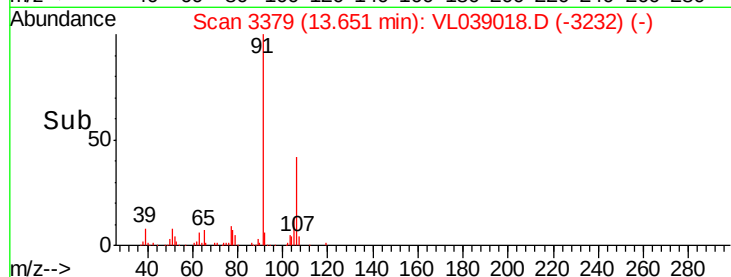
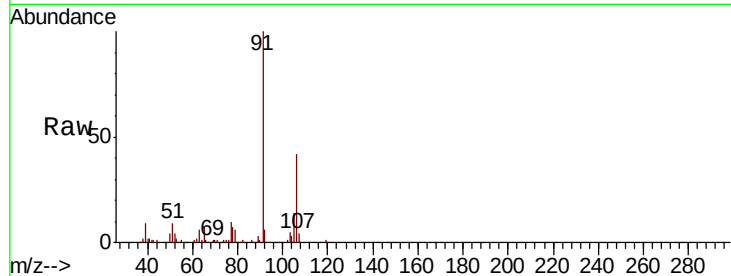


#60
o-Xylene
Concen: 0.737 ppbv
RT: 13.65 min
Delta R.T.: MSVOA_L
Lab File: ClientSampled : SV3DL2
Acq: 10 May 2022 13:21

Tot Ion:
Ion Ratio
91 100
106 45.

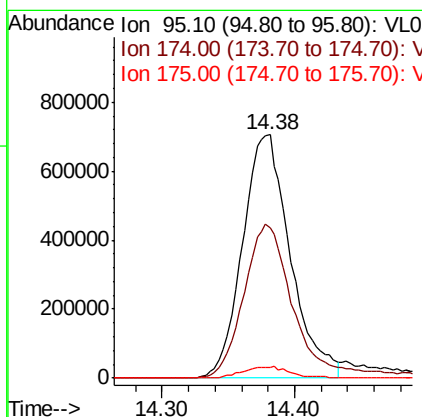
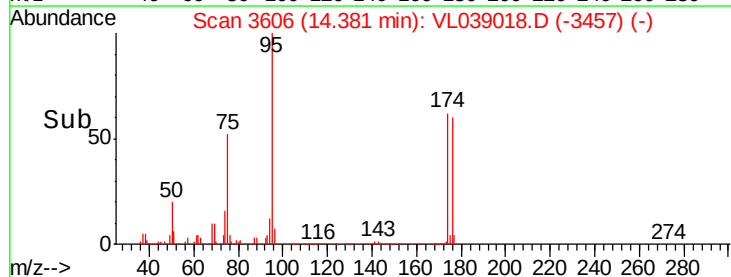
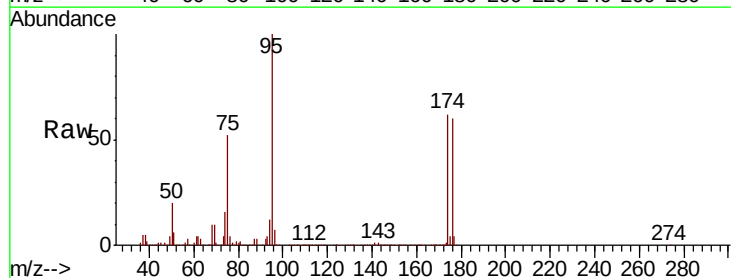
Manual Integrations
APPROVED

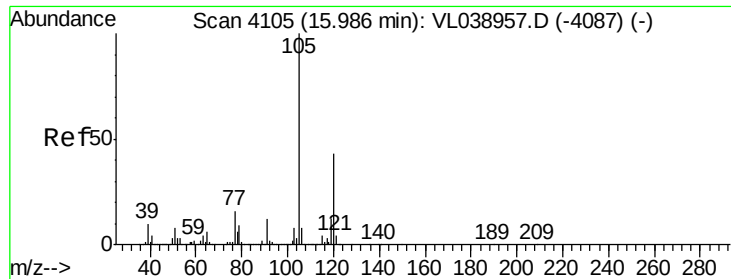
Reviewed By :Semsettin Yesilyurt 05/11/2022
Supervised By :Mahesh Dadoda 05/11/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 8.972 ppbv
RT: 14.38 min Scan# 3606
Delta R.T.: -0.02 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 95 Resp: 1762494
Ion Ratio Lower Upper
95 100
174 69.5 50.8 76.2
175 4.9 3.8 5.6





#73

1,3,5-Trimethylbenzene

Concen: 0.096 ppbv m

RT: 15.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 13:21

Tot Ion:1

Ion Rati

105 100

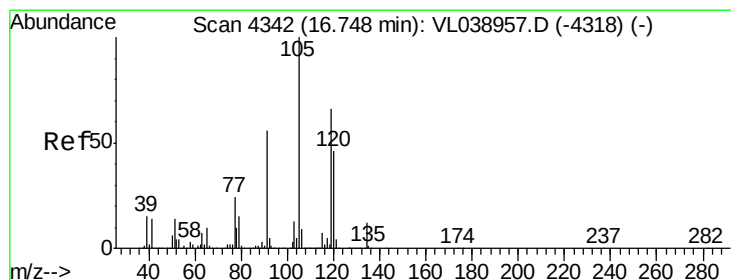
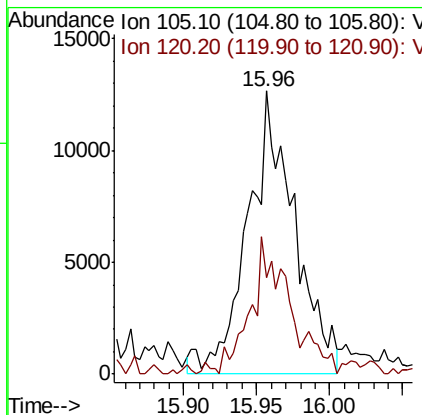
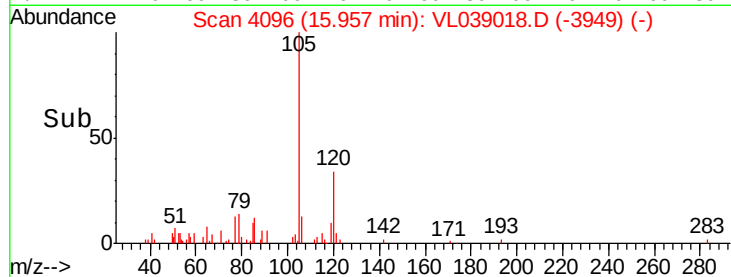
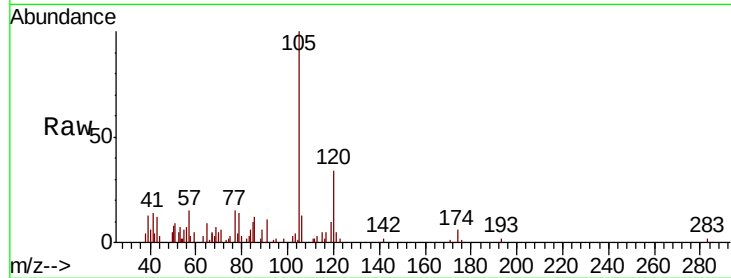
120 34.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/11/2022

Supervised By :Mahesh Dadoda 05/11/2022



#74

1,2,4-Trimethylbenzene

Concen: 0.154 ppbv m

RT: 16.72 min Scan# 4334

Delta R.T. -0.03 min

Lab File: VL039018.D

Acq: 10 May 2022 13:21

Tgt Ion:105 Resp: 49570

Ion Ratio Lower Upper

105 100

120 30.8 36.9 55.3#

91 11.8 45.0 67.4#

77 13.9 19.2 28.8#

