

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
 Data File : VL038719.D
 Acq On : 23 Mar 2022 17:12
 Operator : SY/AP
 Sample : N2047-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA0

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/27/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 26 11:13:05 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122A
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument:
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	720932	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	1891161	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1768829	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1278763	9.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	23736	0.24	ppbv	92
3) Chlorodifluoromethane	2.99	51	25025	0.33	ppbv #	91
4) Chloromethane	3.14	50	7223m	0.17	ppbv	
9) Propene	3.01	41	50144	1.36	ppbv	96
11) Trichlorofluoromethane	3.94	101	25641	0.30	ppbv	97
13) Ethanol	3.60	45	133396	32.90	ppbv	91
15) Acetone	3.84	43	907501	14.59	ppbv #	89
17) tert-Butyl alcohol	4.29	59	24607	0.45	ppbv #	86
19) Isopropyl Alcohol	3.96	45	38554m	1.12	ppbv	
20) Methylene Chloride	4.33	84	86647m	3.31	ppbv	
29) Chloroform	5.74	83	84563	0.75	ppbv	95
34) 2-Butanone	5.23	43	837632	11.19	ppbv	98
35) Carbon Tetrachloride	7.00	117	8465m	0.08	ppbv	
36) Benzene	6.87	78	24225	0.17	ppbv #	90
51) 2-Hexanone	10.13	43	68745	0.69	ppbv #	100
52) Tetrachloroethene	11.20	164	845160	15.82	ppbv	96
53) Toluene	9.79	91	86749	0.55	ppbv	99
59) m/p-Xylene	12.95	91	23894m	0.13	ppbv	
79) Naphthalene	22.18	128	18108m	0.12	ppbv	

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

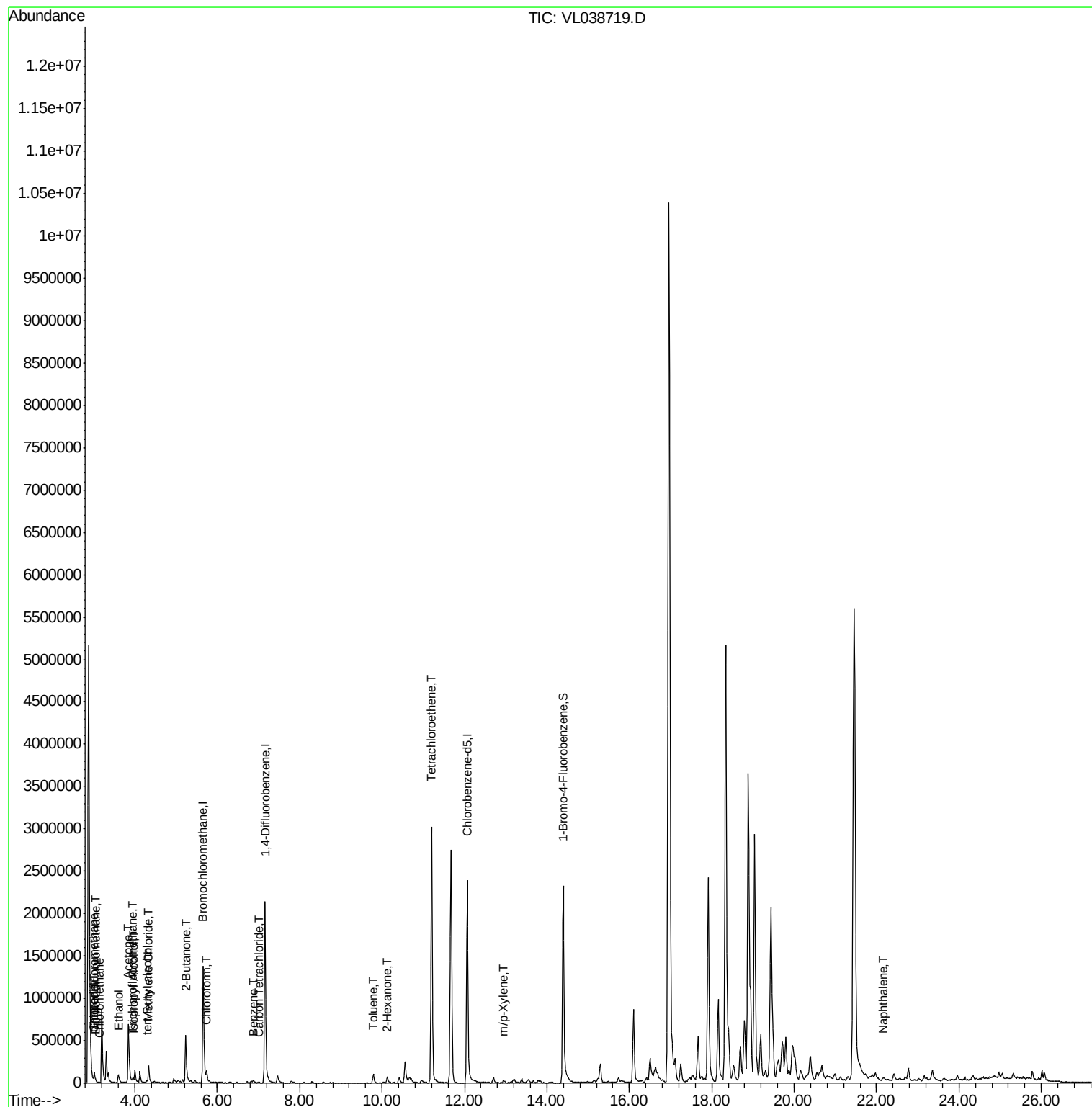
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Data File : VL038719.D
Acq On : 23 Mar 2022 17:12
Operator : SY/AP
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

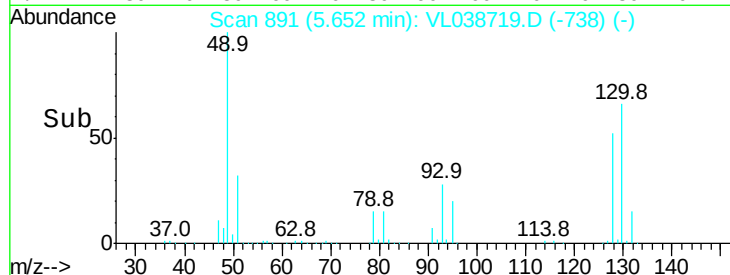
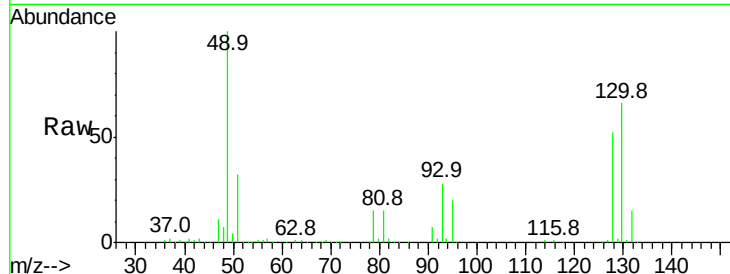
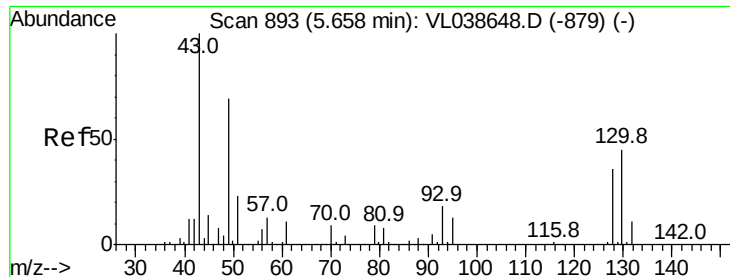
Instrument :
MSVOA_L
ClientSampleId :
C0PA0

Manual Integrations
APPROVED

Quant Time: Mar 26 11:13:05 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL032122\
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 03/27/2022
Supervised By :Mahesh Dadoda 03/28/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 17:12

Tgt Ion:

Ion Ratio

49 100

128 55.

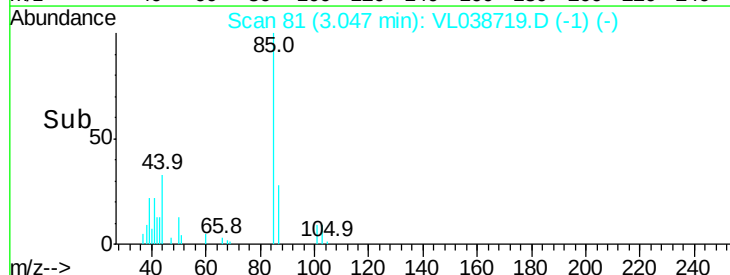
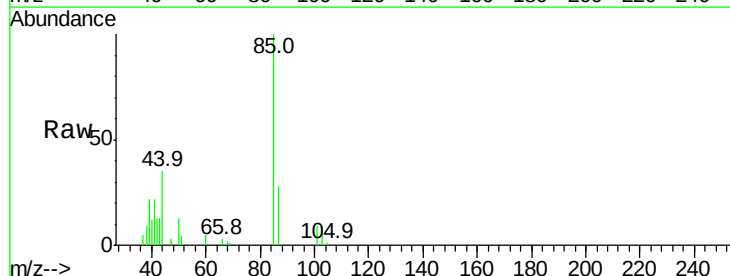
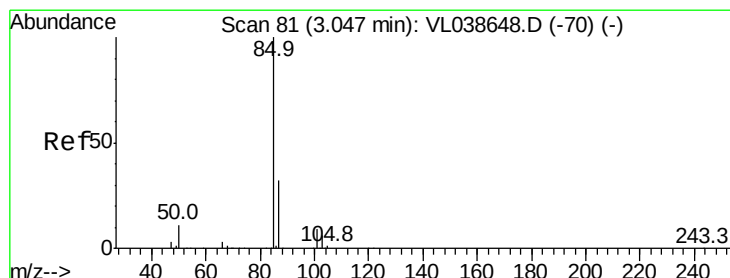
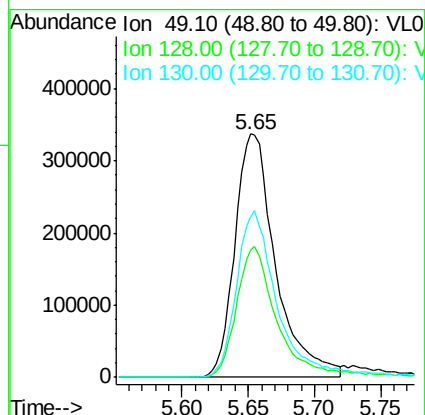
130 69.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/27/2022

Supervised By :Mahesh Dadoda 03/28/2022



#2

Dichlorodifluoromethane

Concen: 0.24 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038719.D

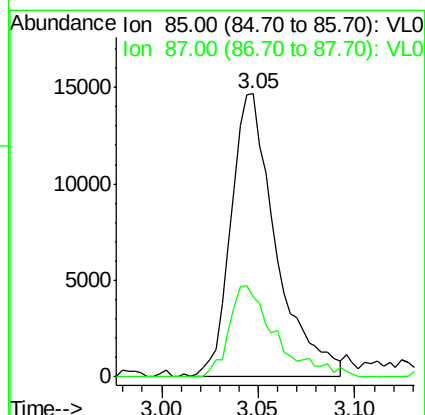
Acq: 23 Mar 2022 17:12

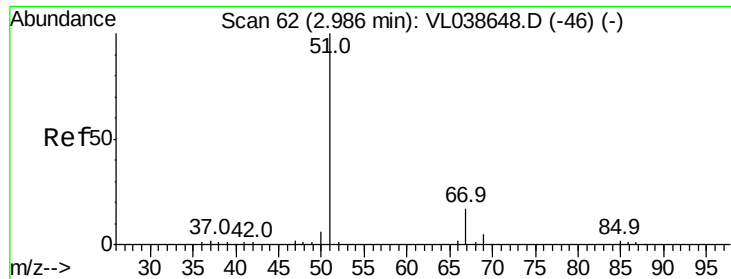
Tgt Ion: 85 Resp: 23736

Ion Ratio Lower Upper

85 100

87 28.3 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.33 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 17:12

Tgt Ion:

Ion Ratio

51 100

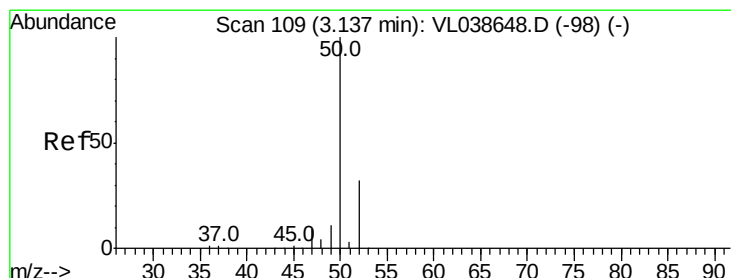
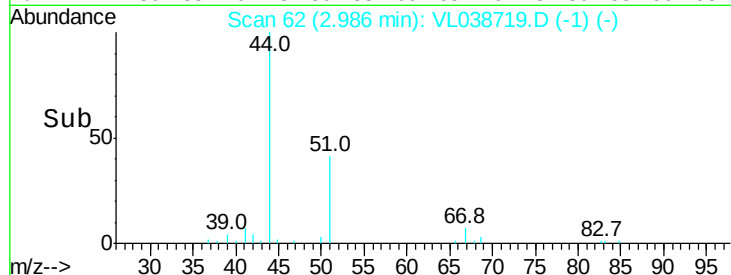
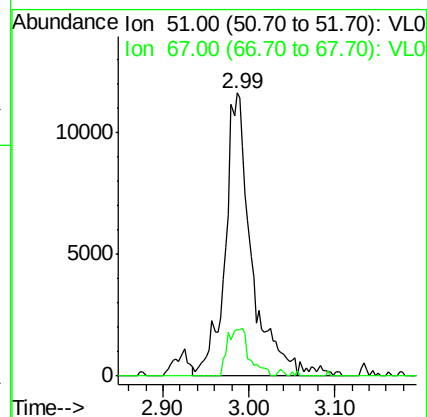
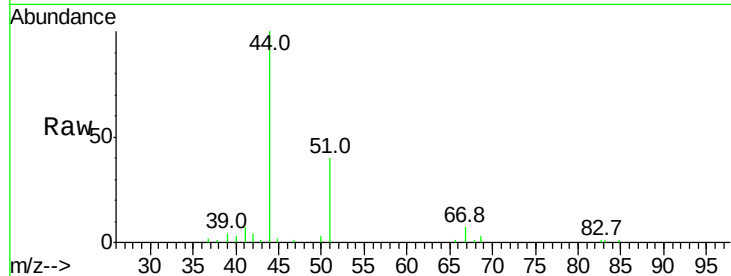
67 13.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/27/2022

Supervised By :Mahesh Dadoda 03/28/2022



#4

Chloromethane

Concen: 0.17 ppbv m

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL038719.D

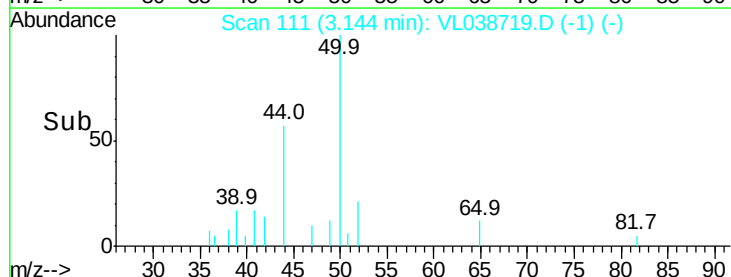
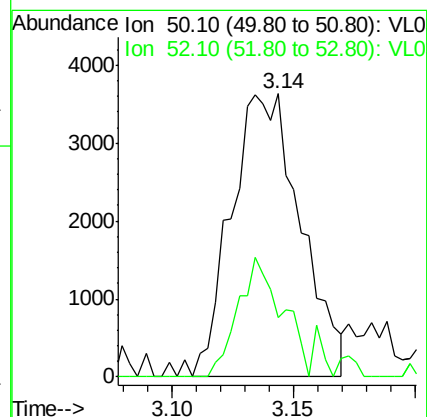
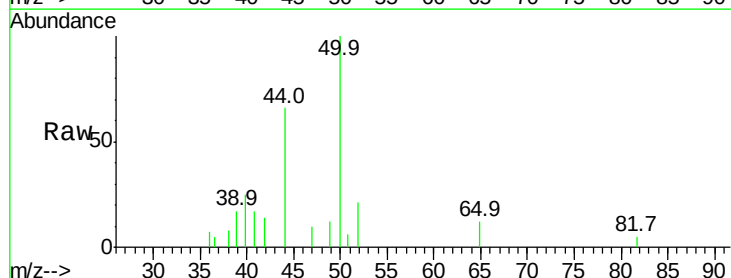
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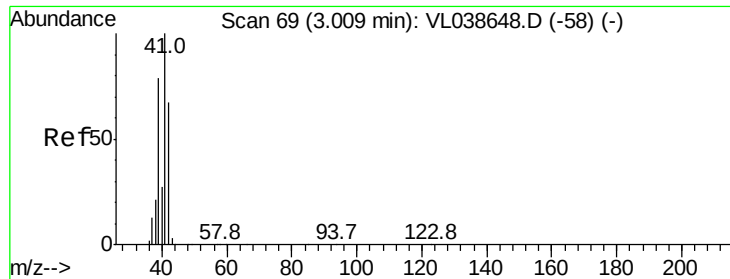
Tgt Ion: 50 Resp: 7223

Ion Ratio Lower Upper

50 100

52 20.8 25.5 38.3#





#9

Propene

Concen: 1.36 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 17:12

Tgt Ion:

Ion Ratio

41 100

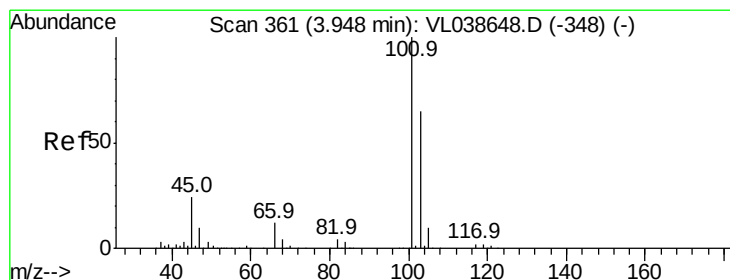
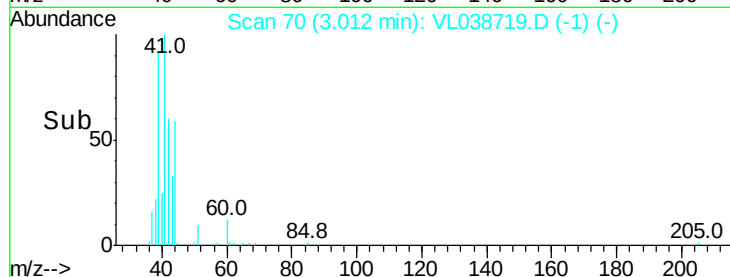
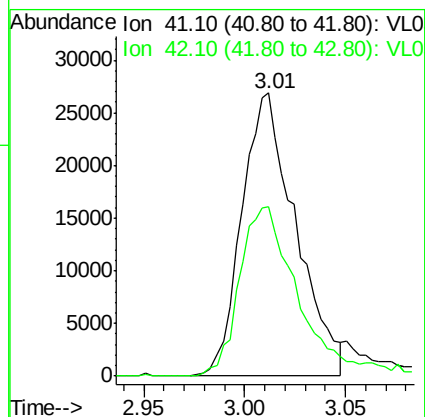
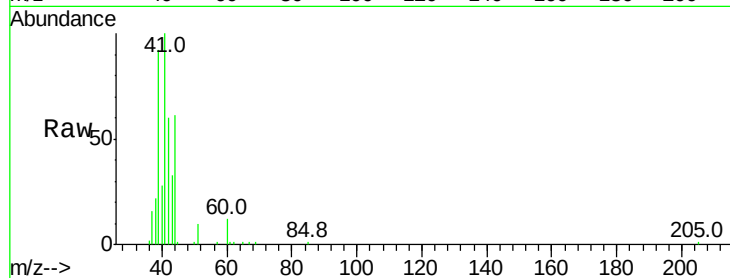
42 66.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/27/2022

Supervised By :Mahesh Dadoda 03/28/2022



#11

Trichlorofluoromethane

Concen: 0.30 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL038719.D

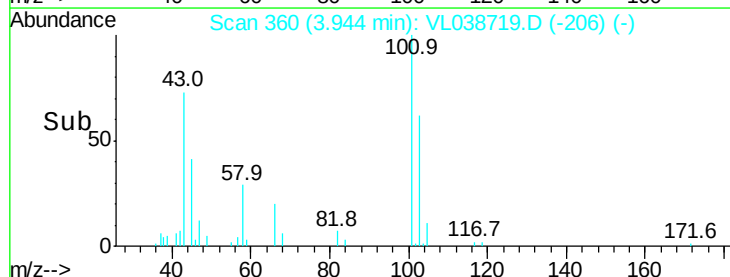
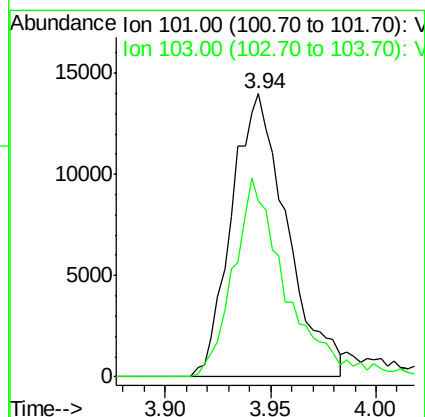
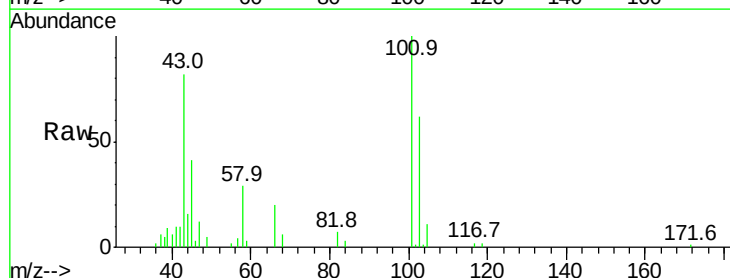
Acq: 23 Mar 2022 17:12

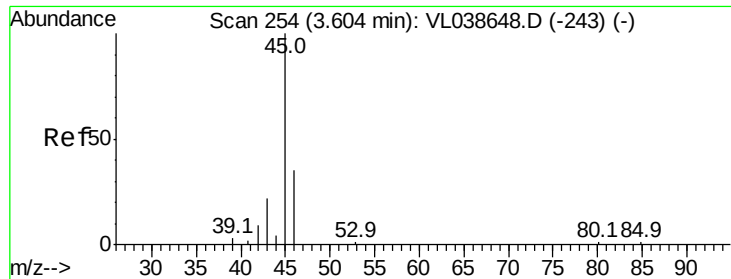
Tgt Ion:101 Resp: 25641

Ion Ratio Lower Upper

101 100

103 62.2 51.9 77.9



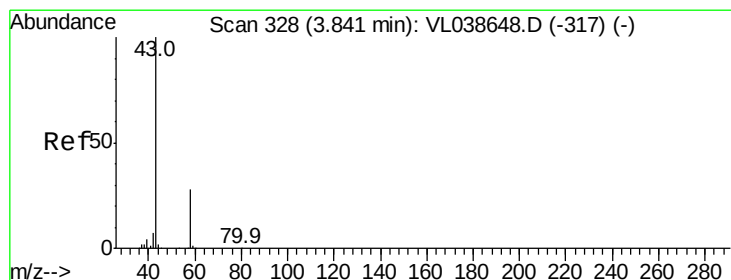
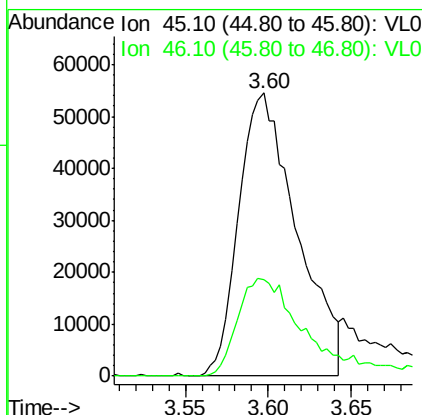
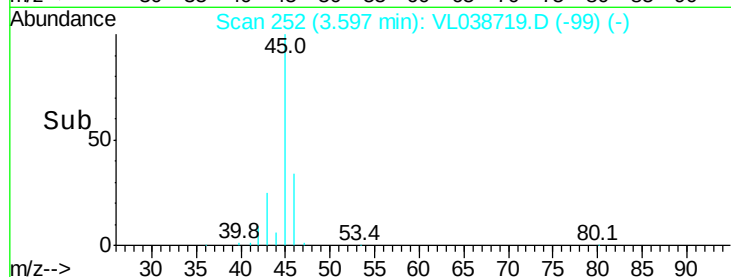
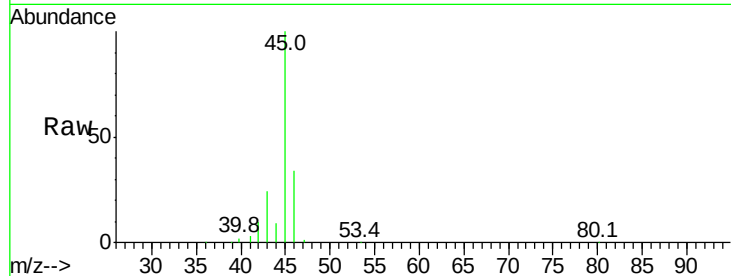


#13
Ethanol
Concen: 32.90 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 17:12

Tgt Ion:
Ion Ratio
45 100
46 43.

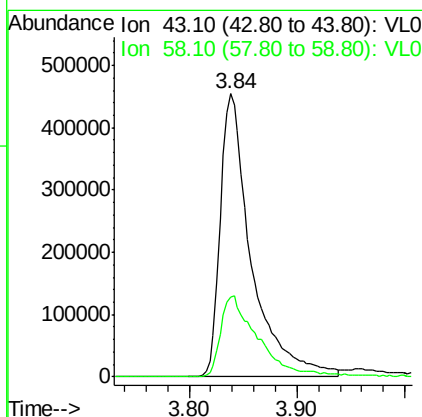
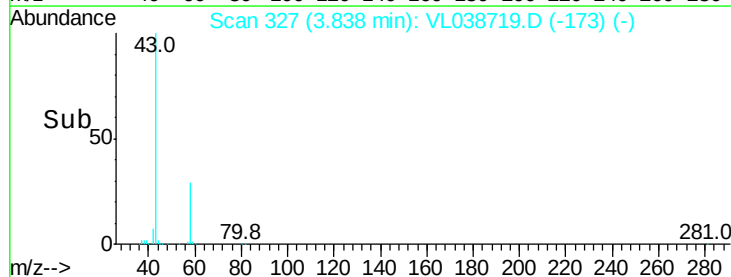
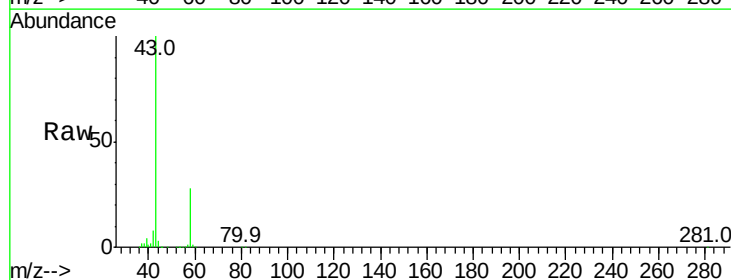
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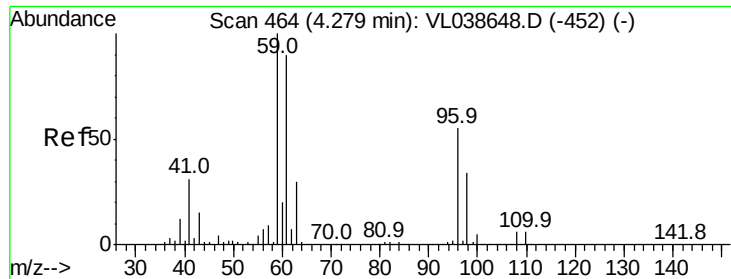
Reviewed By :Semsettin Yesilyurt 03/27/2022
Supervised By :Mahesh Dadoda 03/28/2022



#15
Acetone
Concen: 14.59 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.00 min
Lab File: VL038719.D
Acq: 23 Mar 2022 17:12

Tgt Ion: 43 Resp: 907501
Ion Ratio Lower Upper
43 100
58 35.2 23.3 34.9#





#17

tert-Butyl alcohol

Concen: 0.45 ppbv

RT: 4.29

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Mar 2022 17:12

Tgt Ion:

Ion Ratio

59 100

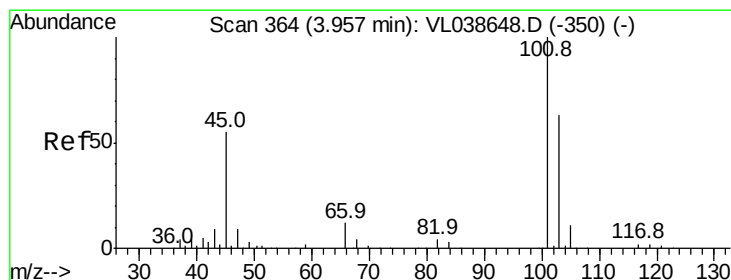
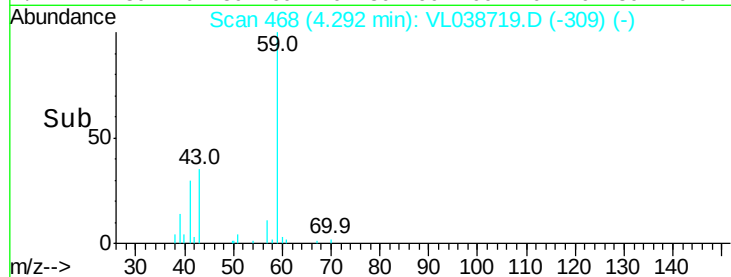
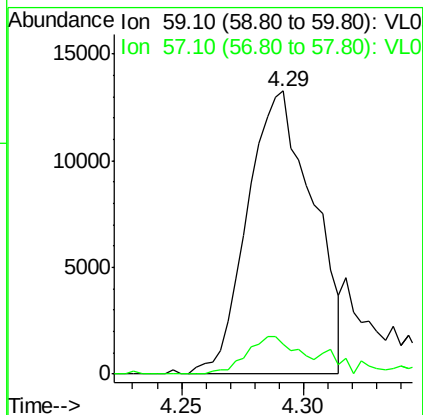
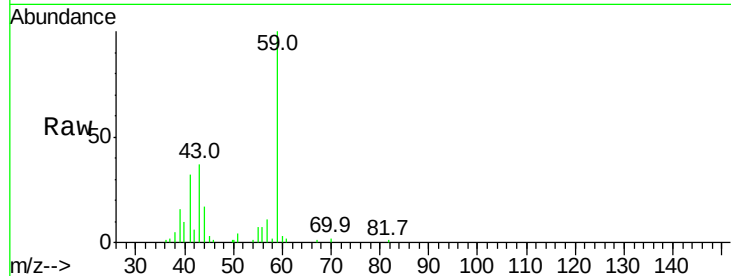
57 15.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/27/2022

Supervised By :Mahesh Dadoda 03/28/2022



#19

Isopropyl Alcohol

Concen: 1.12 ppbv m

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL038719.D

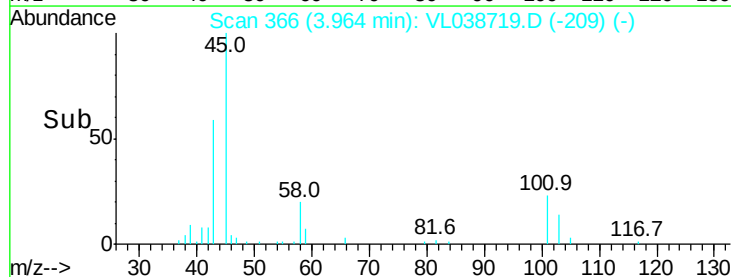
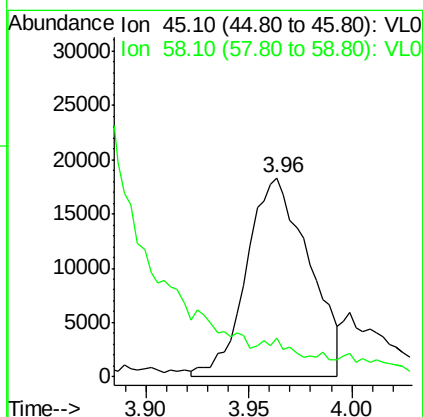
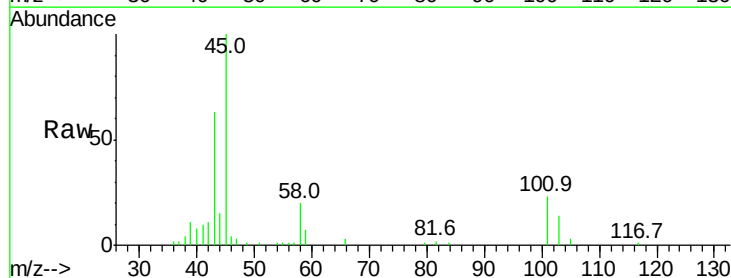
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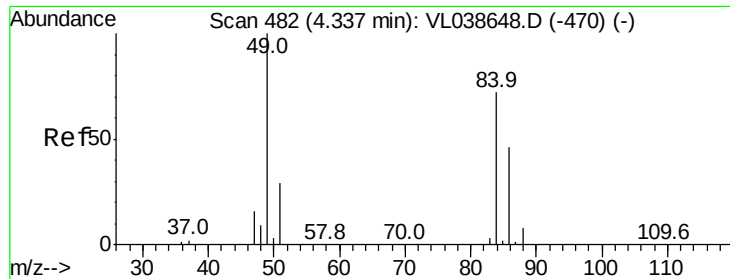
Tgt Ion: 45 Resp: 38554

Ion Ratio Lower Upper

45 100

58 0.0 2.3 3.5#



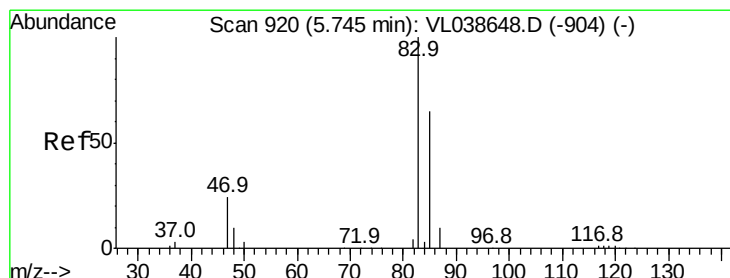
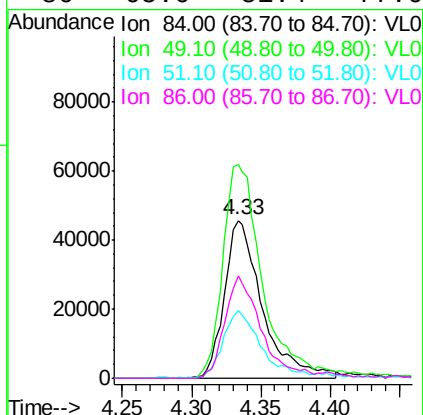
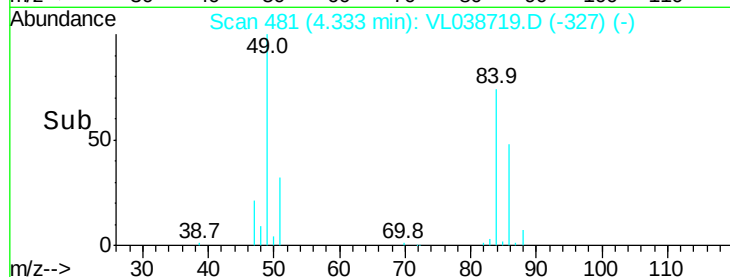
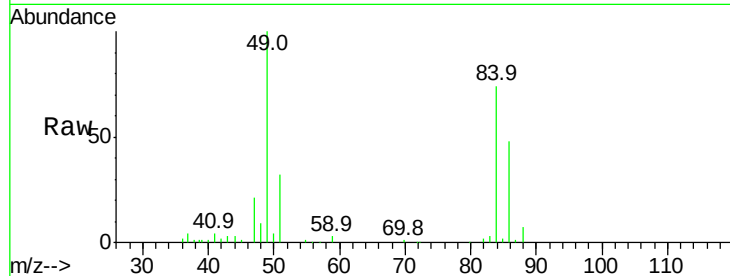


#20
Methylene Chloride
Concen: 3.31 ppbv m
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 17:12

Tgt Ion:
Ion Ratio
84 100
49 135.
51 42.
86 65.0 51.4 77.0

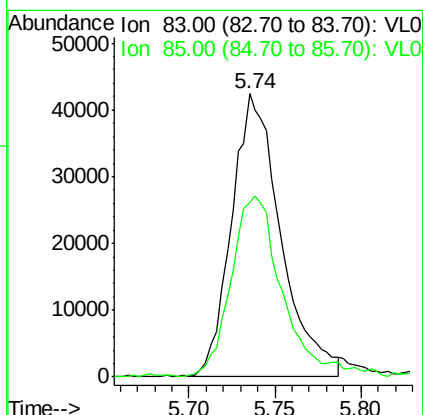
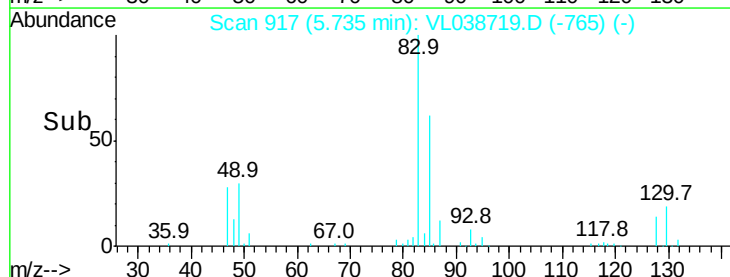
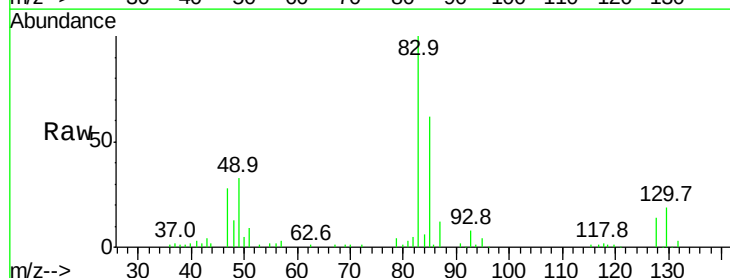
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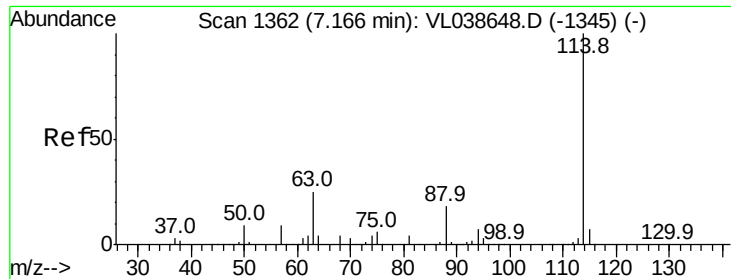
Reviewed By :Semsettin Yesilyurt 03/27/2022
Supervised By :Mahesh Dadoda 03/28/2022



#29
Chloroform
Concen: 0.75 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.01 min
Lab File: VL038719.D
Acq: 23 Mar 2022 17:12

Tgt Ion: 83 Resp: 84563
Ion Ratio Lower Upper
83 100
85 61.0 51.7 77.5





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.16

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Mar 2022 17:12

Tgt Ion:1

Ion Rati

114 100

63 23.

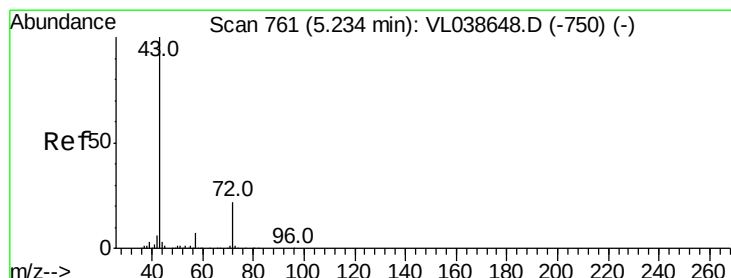
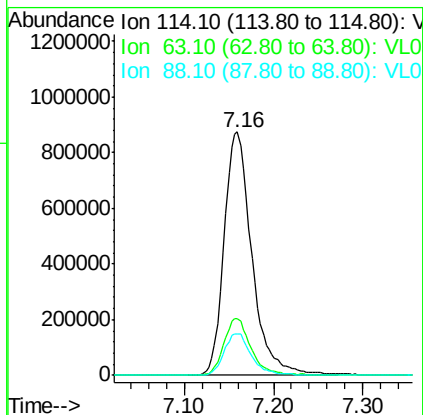
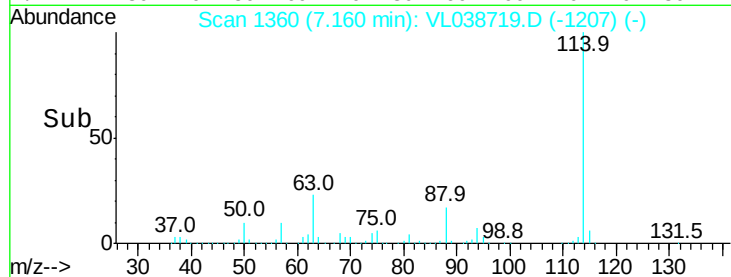
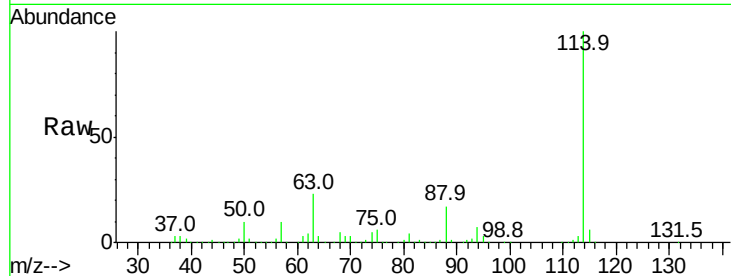
88 17.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/27/2022

Supervised By :Mahesh Dadoda 03/28/2022



#34

2-Butanone

Concen: 11.19 ppbv

RT: 5.23 min Scan# 760

Delta R.T. -0.00 min

Lab File: VL038719.D

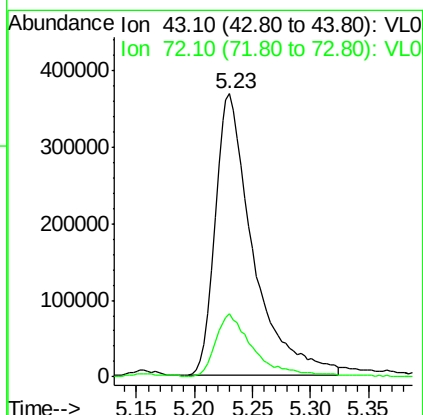
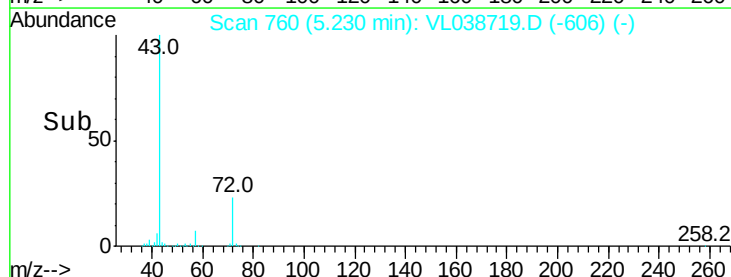
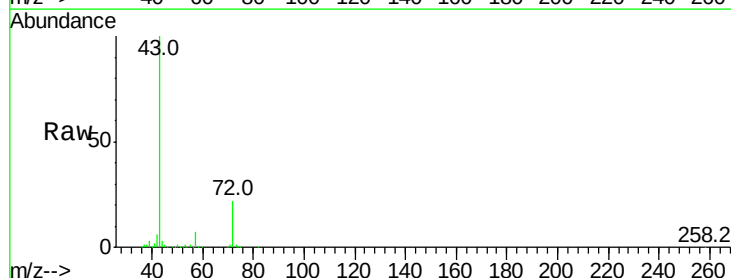
Acq: 23 Mar 2022 17:12

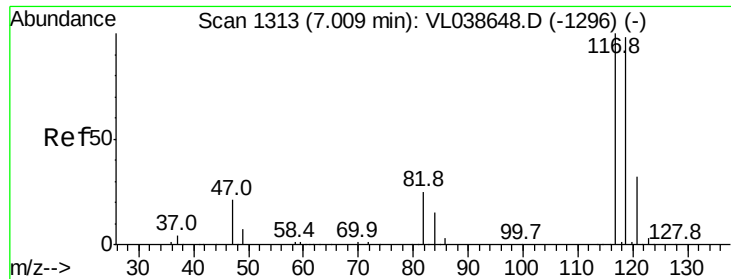
Tgt Ion: 43 Resp: 837632

Ion Ratio Lower Upper

43 100

72 23.1 17.8 26.8





#35

Carbon Tetrachloride

Concen: 0.08 ppbv m

RT: 7.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 17:12

Tgt Ion:1

Ion Ratio

117 100

119 88.

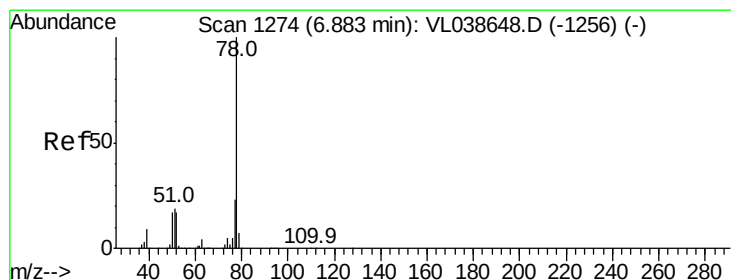
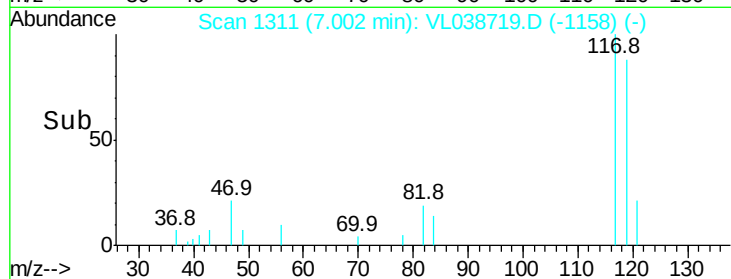
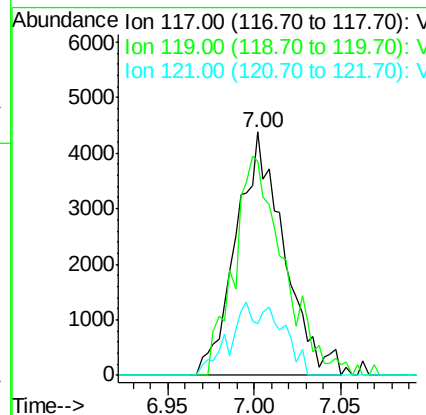
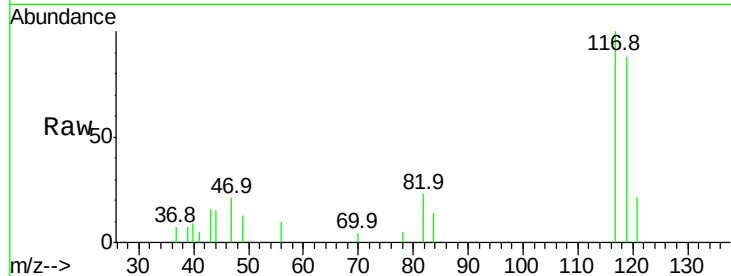
121 21.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/27/2022

Supervised By :Mahesh Dadoda 03/28/2022



#36

Benzene

Concen: 0.17 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VL038719.D

Acq: 23 Mar 2022 17:12

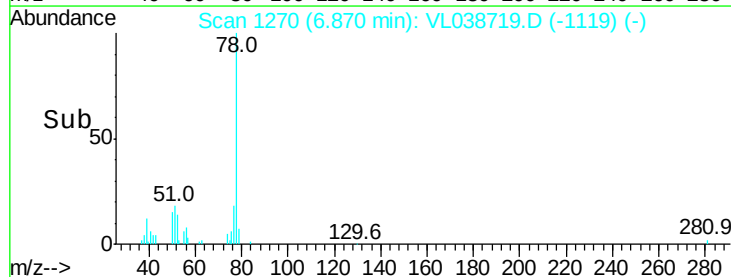
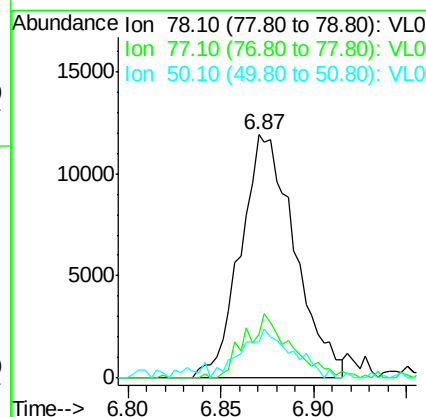
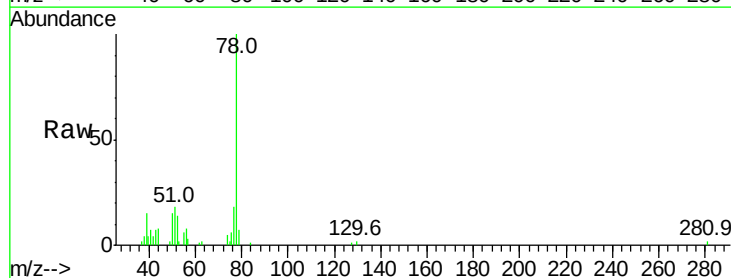
Tgt Ion: 78 Resp: 24225

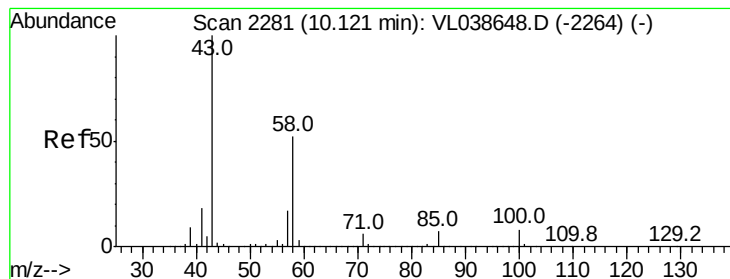
Ion Ratio Lower Upper

78 100

77 18.1 18.1 27.1#

50 12.0 13.6 20.4#





#51

2-Hexanone

Concen: 0.69 ppbv

RT: 10.13

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Mar 2022 17:12

Tgt Ion:

Ion Ratio

43 100

58 51.

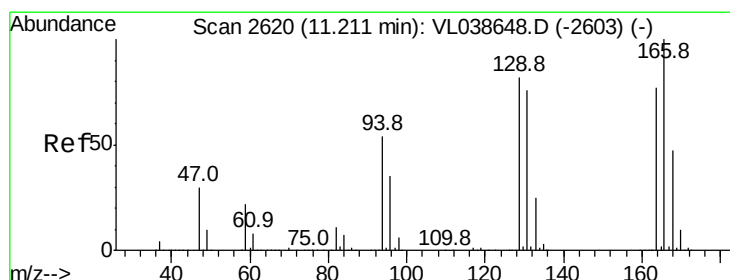
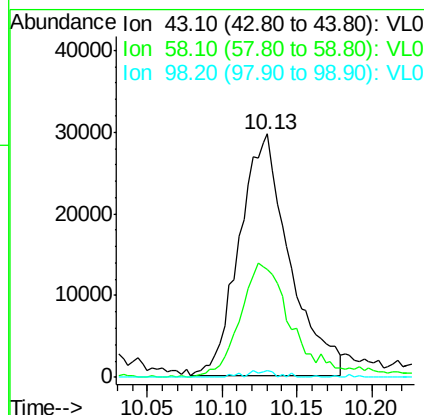
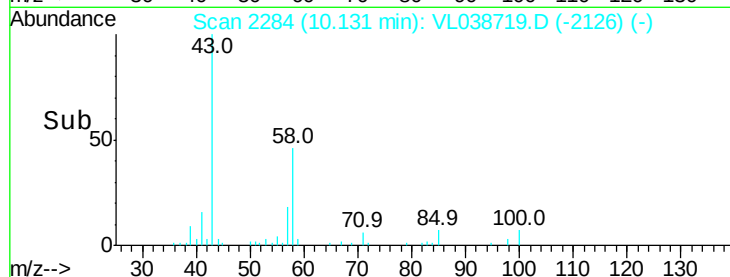
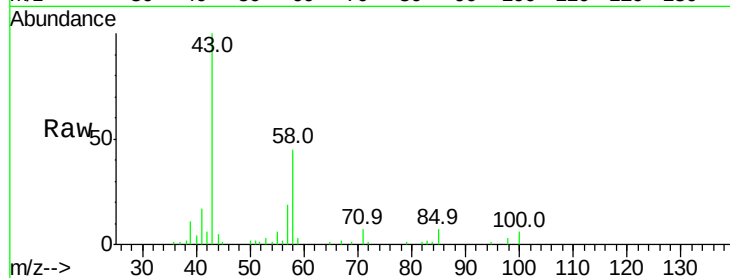
98 1.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/27/2022

Supervised By :Mahesh Dadoda 03/28/2022



#52

Tetrachloroethene

Concen: 15.82 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. -0.01 min

Lab File: VL038719.D

Acq: 23 Mar 2022 17:12

Tgt Ion:164 Resp: 845160

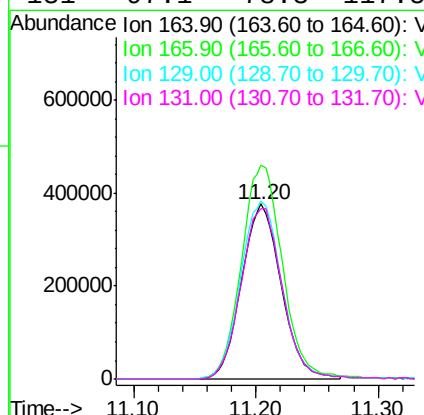
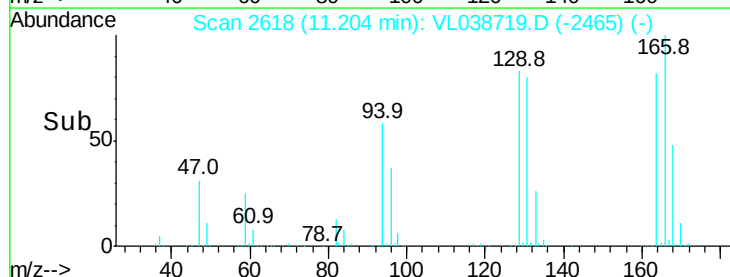
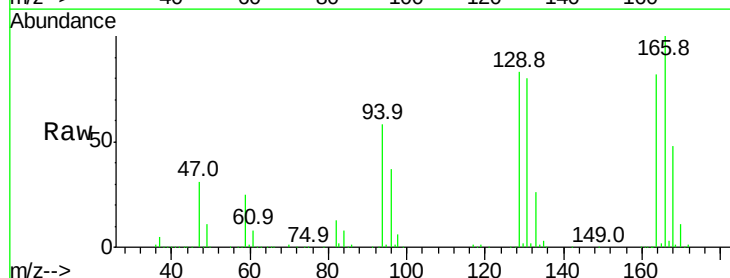
Ion Ratio Lower Upper

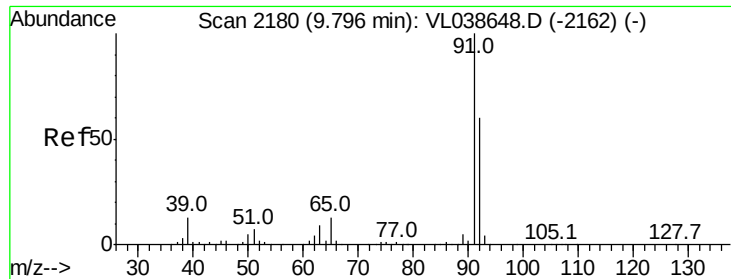
164 100

166 122.1 103.3 154.9

129 101.6 85.2 127.8

131 97.1 78.3 117.5





#53

Toluene

Concen: 0.55 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 17:12

Tgt Ion:

Ion Ratio

91 100

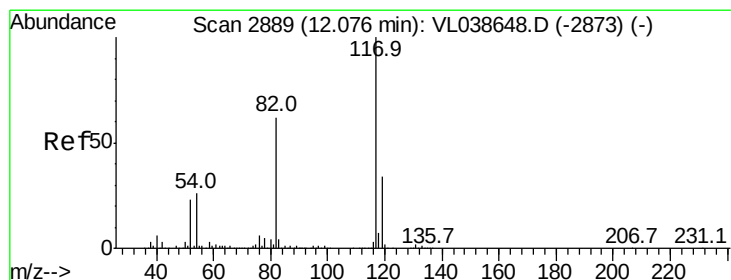
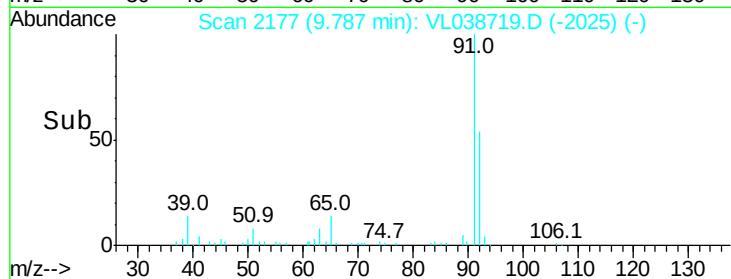
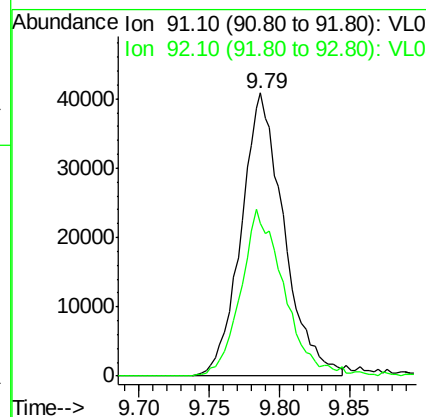
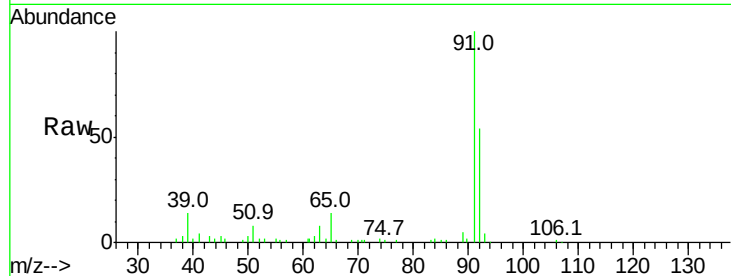
92 60.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/27/2022

Supervised By :Mahesh Dadoda 03/28/2022



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.01 min

Lab File: VL038719.D

Acq: 23 Mar 2022 17:12

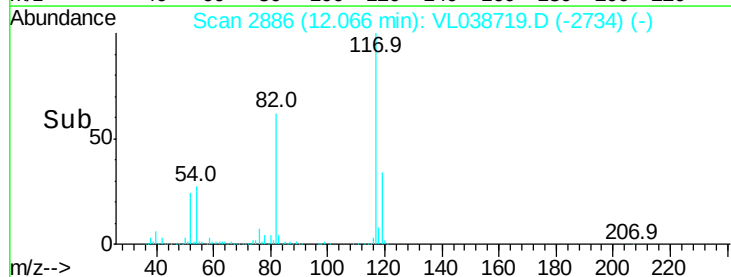
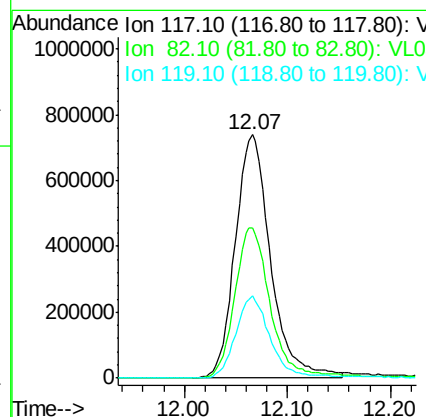
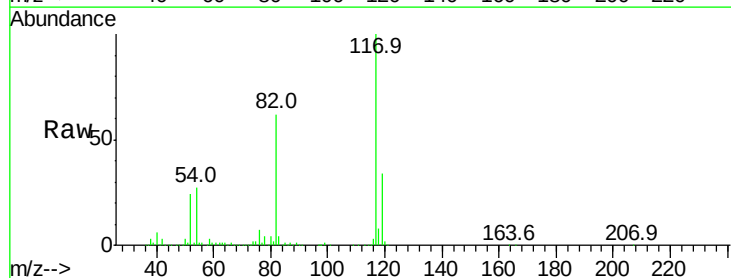
Tgt Ion:117 Resp: 1768829

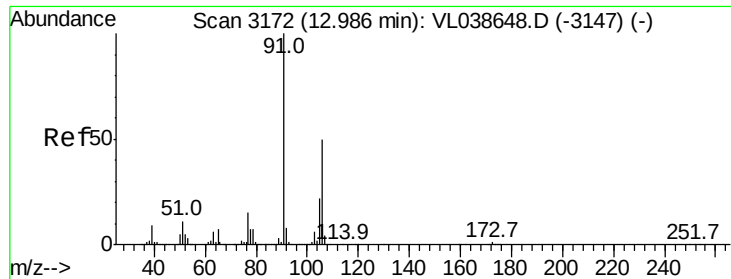
Ion Ratio Lower Upper

117 100

82 64.6 51.6 77.4

119 33.8 26.9 40.3



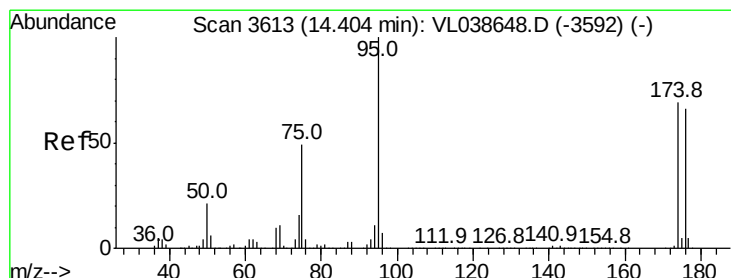
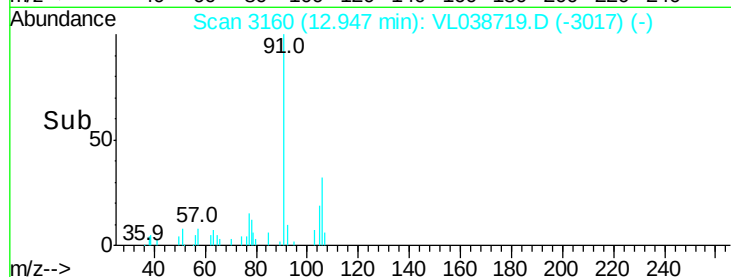
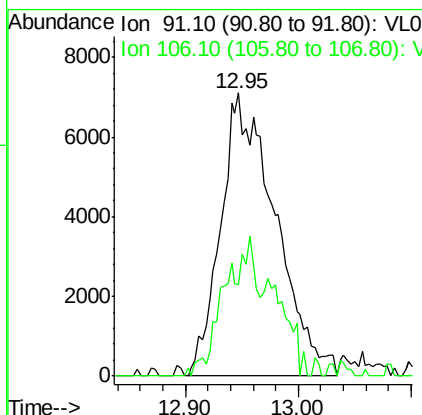
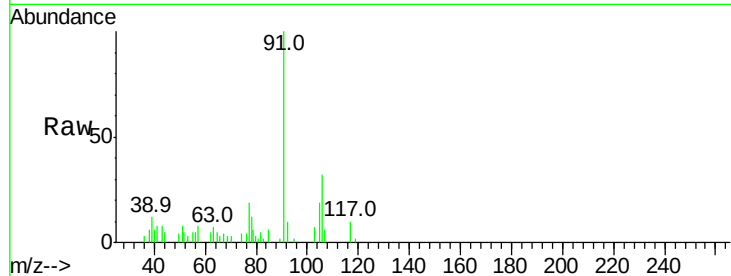


#59
m/p-Xylene
Concen: 0.13 ppbv m
RT: 12.95
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Mar 2022 17:12

Tgt Ion:
Ion Ratio
91 100
106 45.

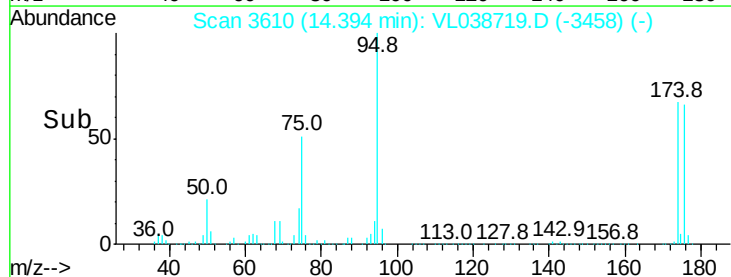
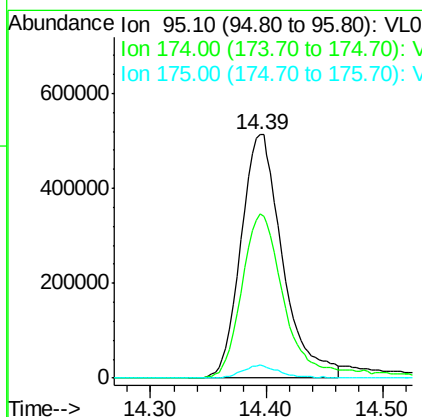
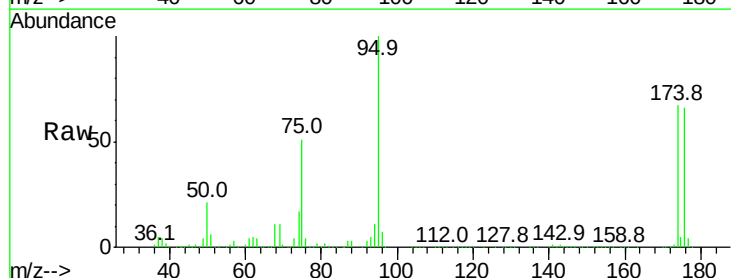
Manual Integrations
APPROVED

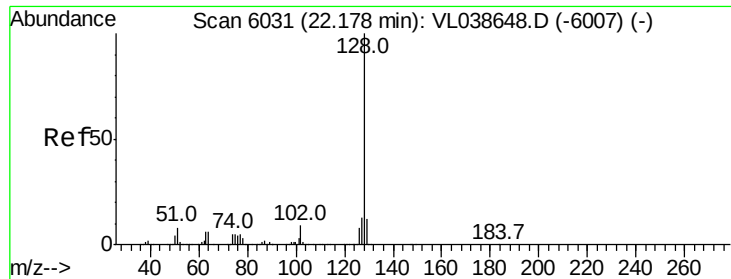
Reviewed By :Semsettin Yesilyurt 03/27/2022
Supervised By :Mahesh Dadoda 03/28/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.43 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.01 min
Lab File: VL038719.D
Acq: 23 Mar 2022 17:12

Tgt Ion: 95 Resp: 1278763
Ion Ratio Lower Upper
95 100
174 72.7 56.1 84.1
175 5.2 4.2 6.2





#79

Naphthalene

Concen: 0.12 ppbv m

RT: 22.18

Delta R.T MSVOA_L

Lab File: ClientSampleId :

Acq: 23 Mar 2022 17.12

Tgt Ion:1

Ion Rati

128 100

127 9.

129 6.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/27/2022

Supervised By :Mahesh Dadoda 03/28/2022

