

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
 Data File : VL038743.D
 Acq On : 24 Mar 2022 9:30
 Operator : SY/AP
 Sample : N2047-02DL 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA0DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/25/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 26 11:14:49 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	5.67	49	757355	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	1984894	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	1728023	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1221556	9.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	18506	0.18	ppbv	91
3) Chlorodifluoromethane	3.00	51	12334	0.15	ppbv	98
9) Propene	3.02	41	26081m	0.68	ppbv	
11) Trichlorofluoromethane	3.96	101	11982	0.13	ppbv	99
13) Ethanol	3.62	45	65820	15.45	ppbv	93
15) Acetone	3.85	43	386756	5.92	ppbv #	87
19) Isopropyl Alcohol	3.98	45	21052m	0.58	ppbv	
20) Methylene Chloride	4.35	84	71268m	2.59	ppbv	
29) Chloroform	5.75	83	37012	0.31	ppbv	93
34) 2-Butanone	5.25	43	315314	4.01	ppbv	97
35) Carbon Tetrachloride	7.02	117	3777m	0.03	ppbv	
52) Tetrachloroethene	11.22	164	336010	5.99	ppbv	97
53) Toluene	9.81	91	30557	0.19	ppbv	97

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

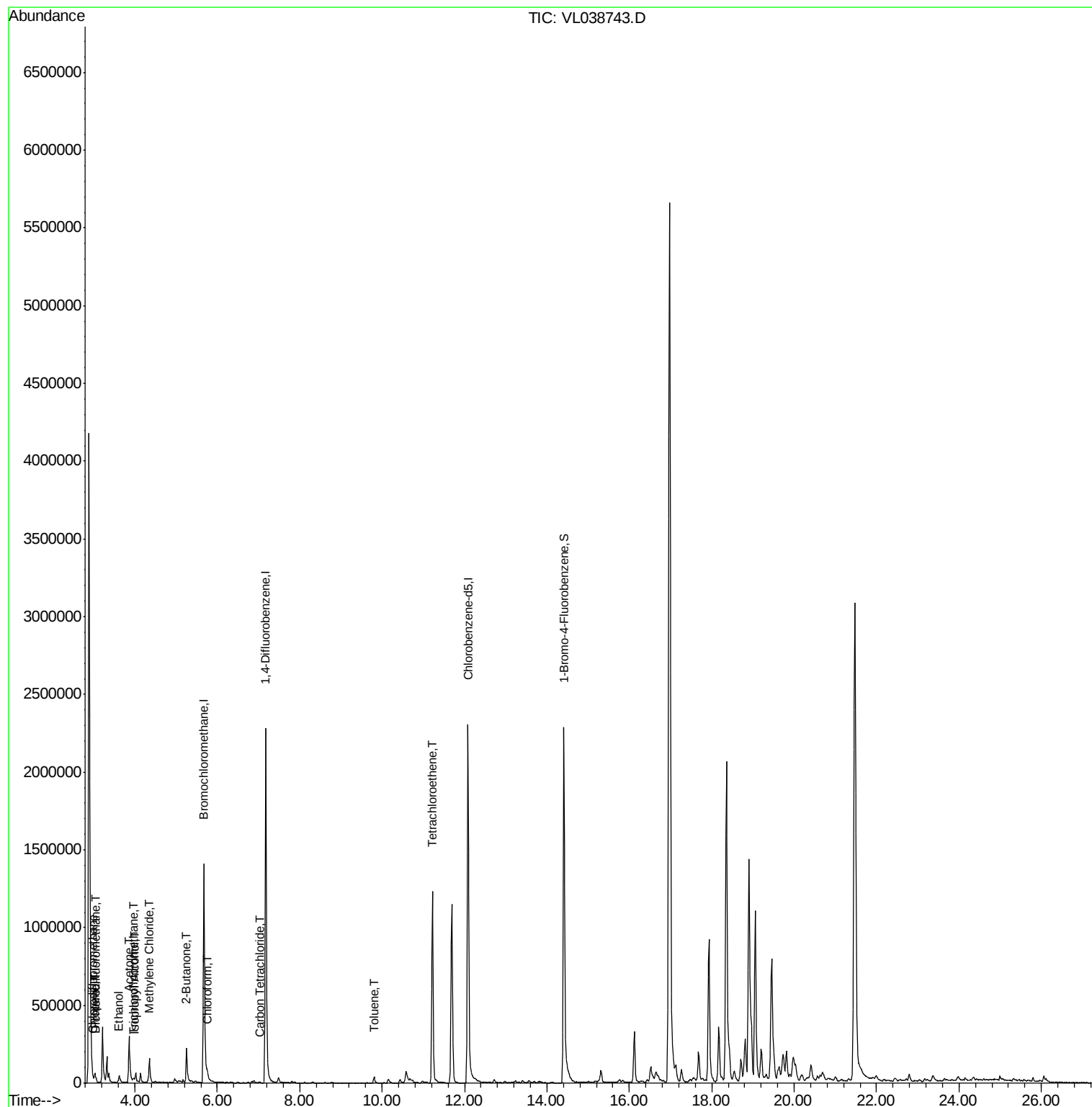
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038743.D
Acq On : 24 Mar 2022 9:30
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Sample : N2047-02DL 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

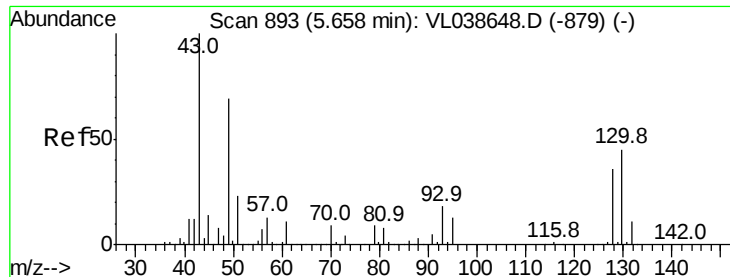
Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Manual Integrations
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Quant Time: Mar 26 11:14:49 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 03/25/2022
Supervised By :Mahesh Dadoda 03/28/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 9:30

Tgt Ion:

Ion Ratio

49 100

128 54.

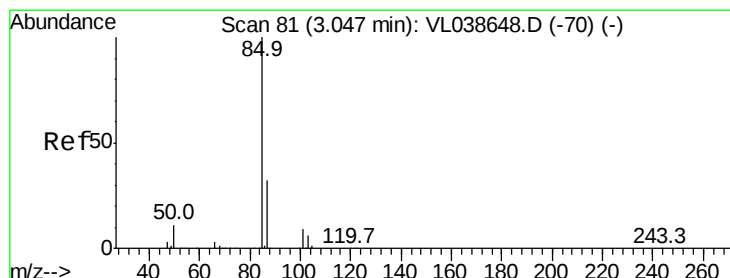
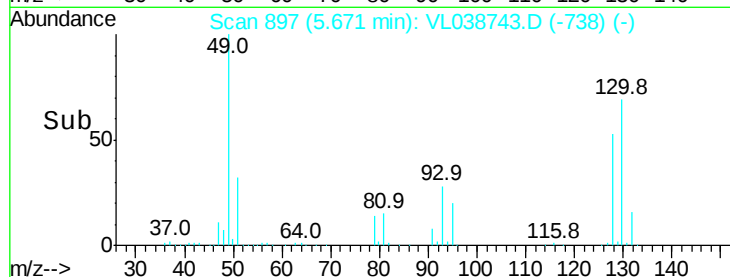
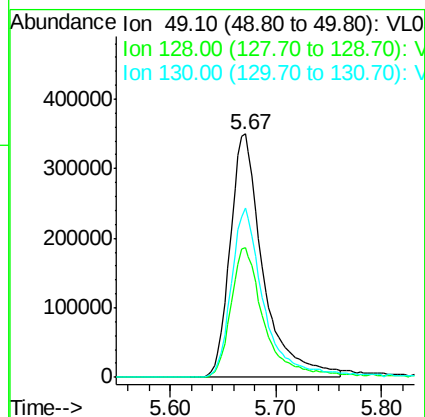
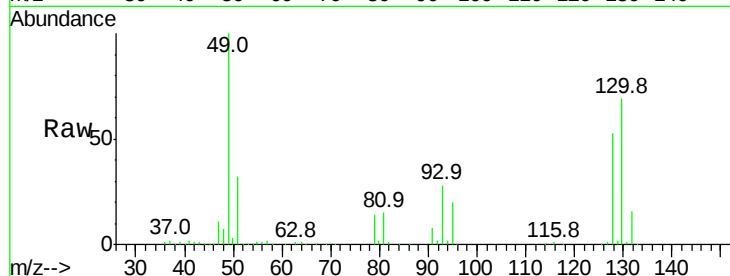
130 71.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/25/2022

Supervised By :Mahesh Dadoda 03/28/2022



#2

Dichlorodifluoromethane

Concen: 0.18 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL038743.D

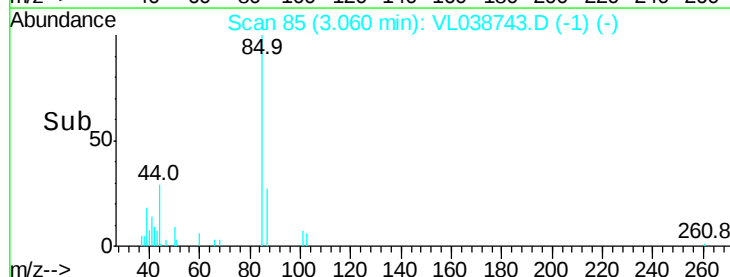
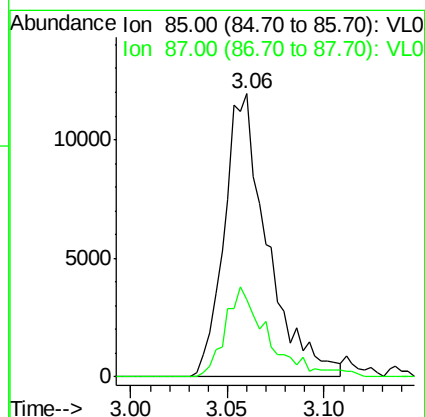
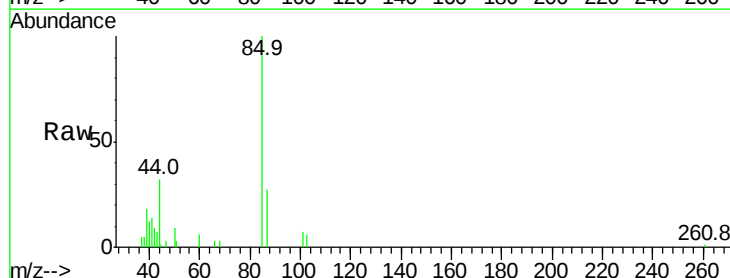
Acq: 24 Mar 2022 9:30

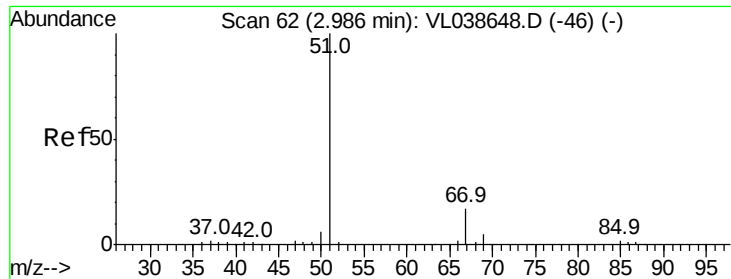
Tgt Ion: 85 Resp: 18506

Ion Ratio Lower Upper

85 100

87 27.2 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.15 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 9:30

Tgt Ion:

Ion Ratio

51 100

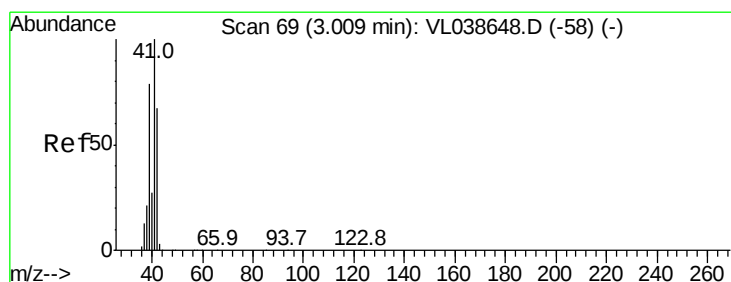
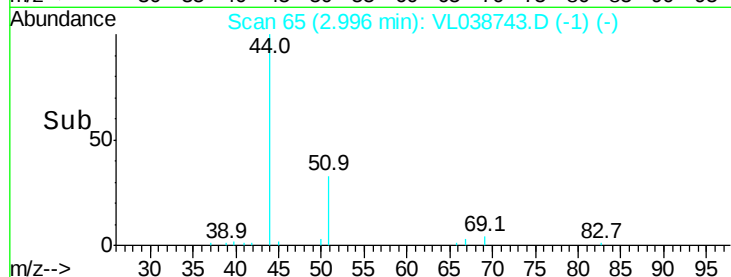
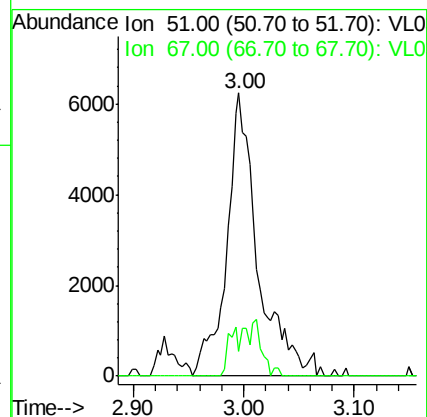
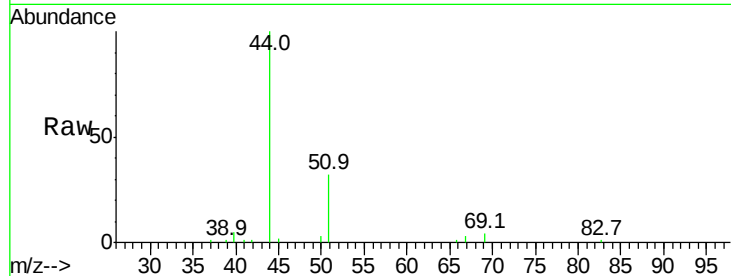
67 16.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/25/2022

Supervised By :Mahesh Dadoda 03/28/2022



#9

Propene

Concen: 0.68 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL038743.D

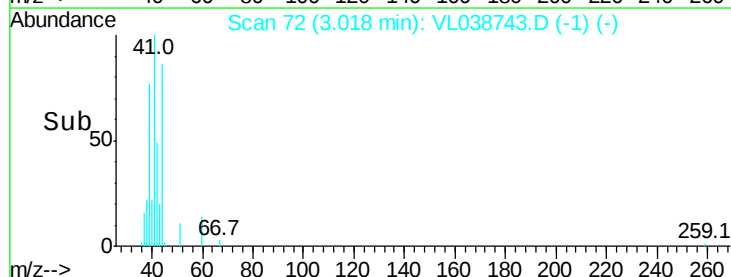
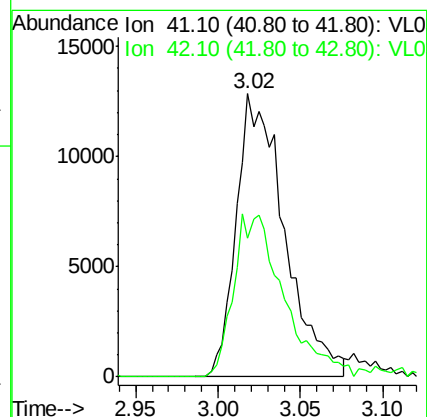
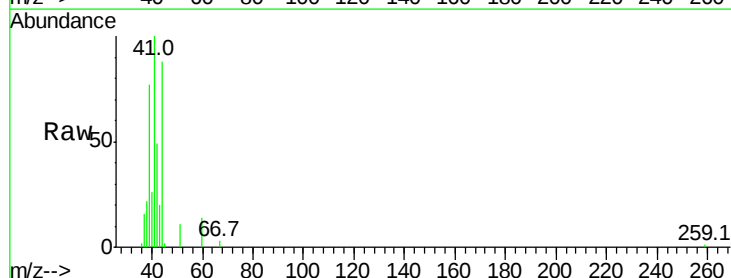
Acq: 24 Mar 2022 9:30

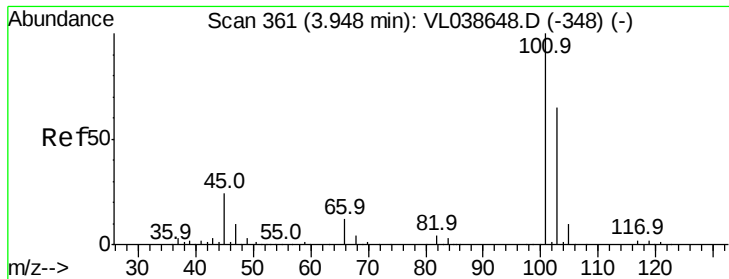
Tgt Ion: 41 Resp: 26081

Ion Ratio Lower Upper

41 100

42 62.6 56.2 84.4



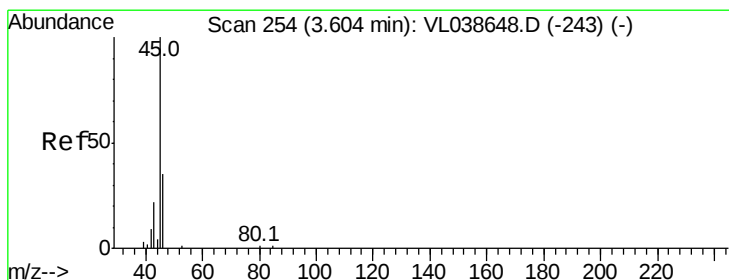
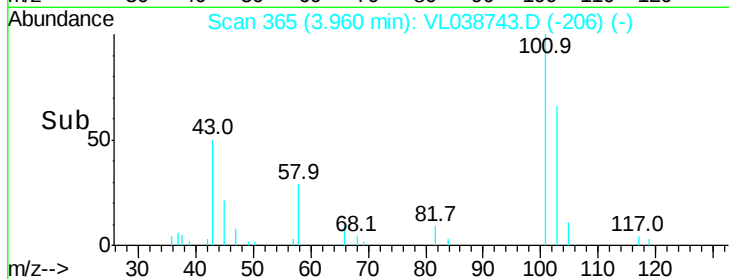
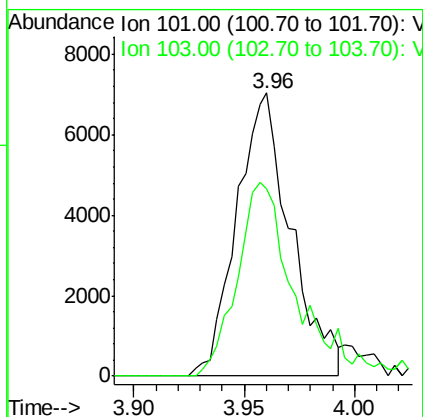
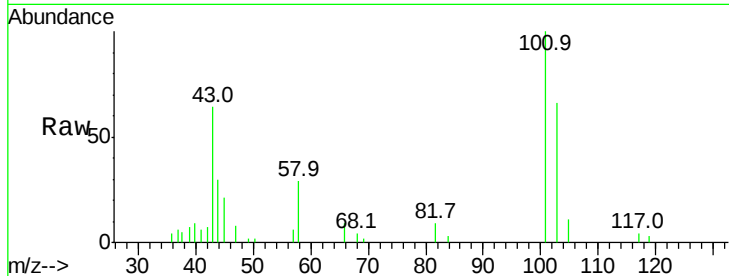


#11
Trichlorofluoromethane
Concen: 0.13 ppbv
RT: 3.96
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Mar 2022 9:30

Tgt Ion: 101
Ion Ratio: 100
103 66.

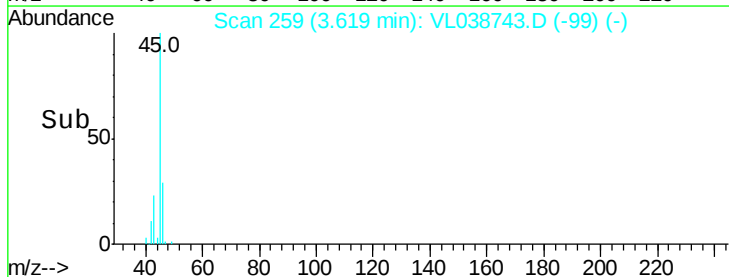
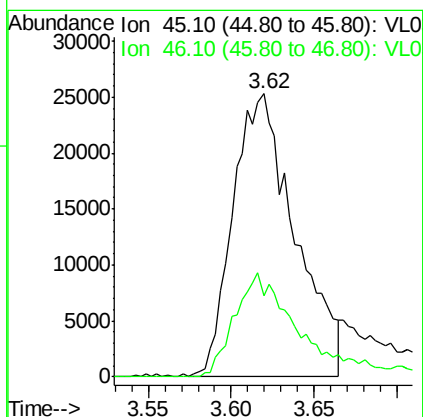
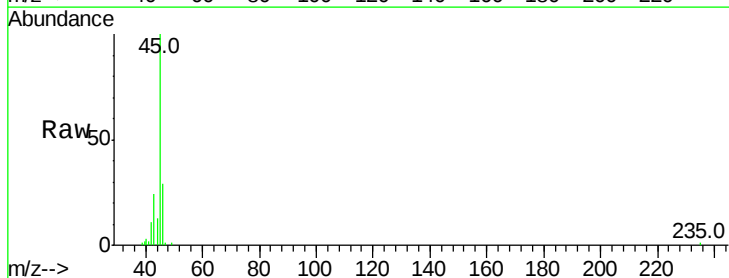
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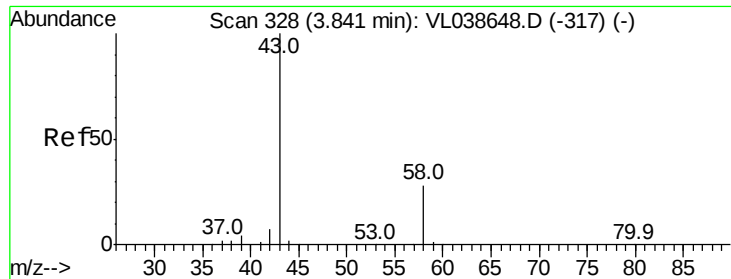
Reviewed By : Semsettin Yesilyurt 03/25/2022
Supervised By : Mahesh Dadoda 03/28/2022



#13
Ethanol
Concen: 15.45 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion: 45 Resp: 65820
Ion Ratio Lower Upper
45 100
46 41.9 15.1 60.5





#15

Acetone

Concen: 5.92 ppbv

RT: 3.85 Instrument: MSVOA_L

Delta R.T. 0.02

Lab File: ClientSampleId: COPA0DL

Acq: 24 Mar 2022 9:30

Tgt Ion:

Ion Ratio

43 100

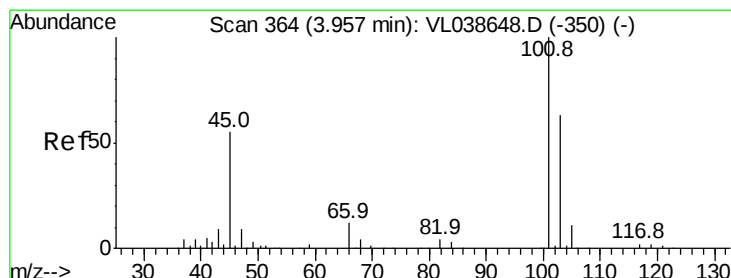
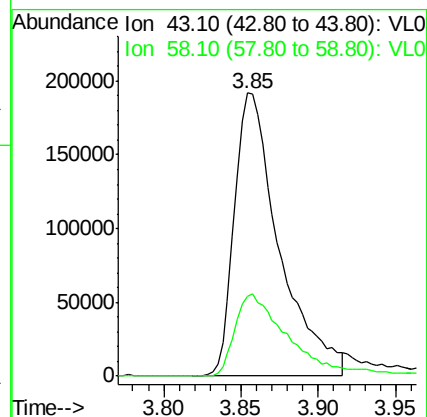
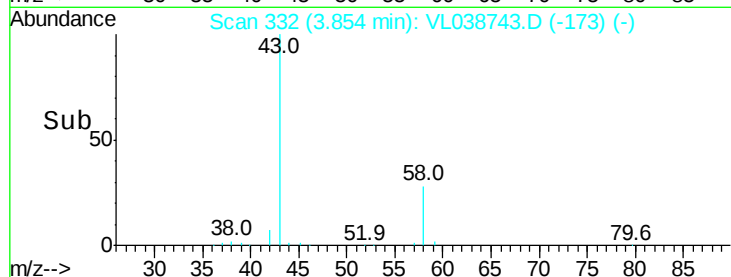
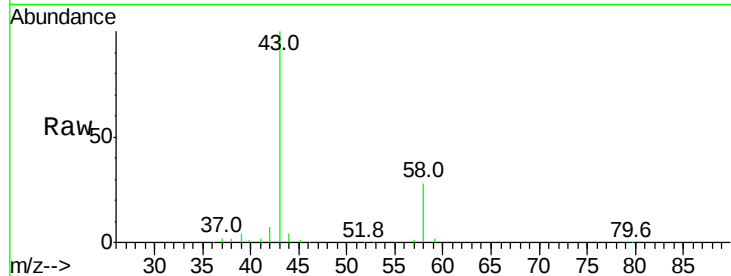
58 36.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/25/2022

Supervised By :Mahesh Dadoda 03/28/2022



#19

Isopropyl Alcohol

Concen: 0.58 ppbv m

RT: 3.98 min Scan# 371

Delta R.T. 0.02 min

Lab File: VL038743.D

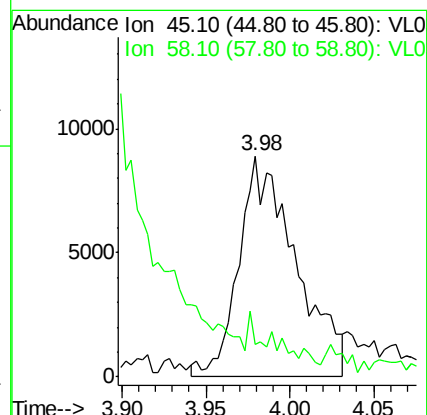
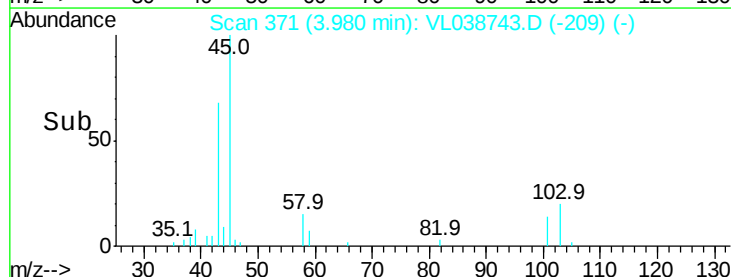
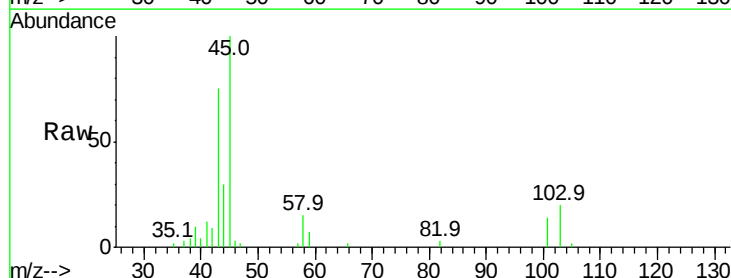
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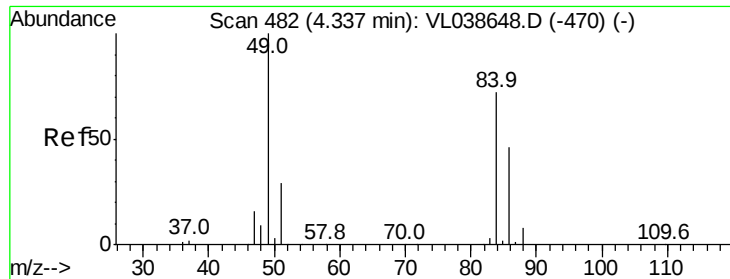
Tgt Ion: 45 Resp: 21052

Ion Ratio Lower Upper

45 100

58 0.0 2.3 3.5#



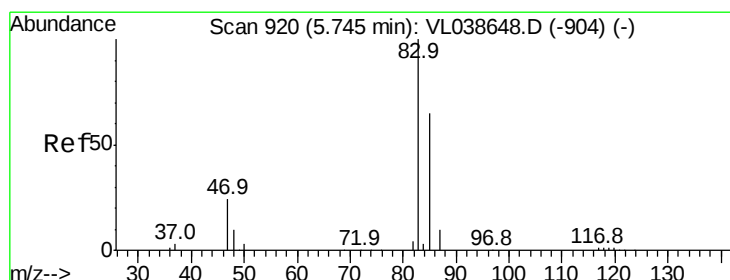
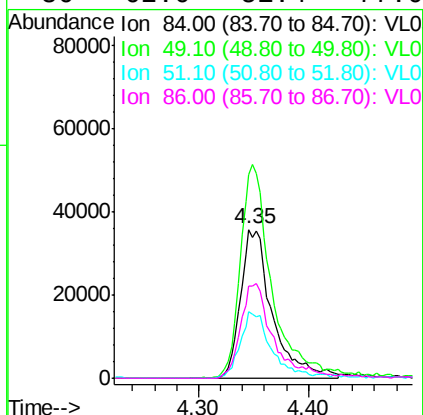
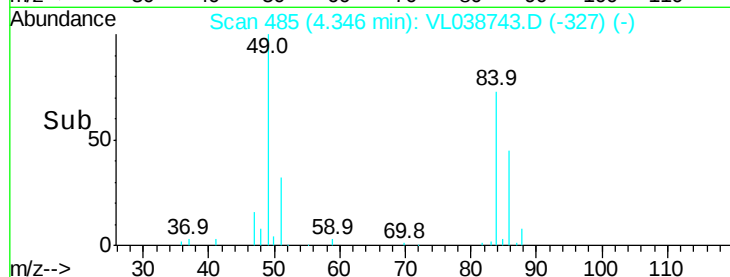
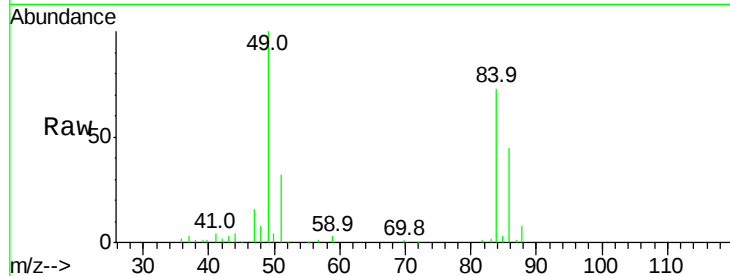


#20
Methylene Chloride
Concen: 2.59 ppbv m
RT: 4.35
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Mar 2022 9:30

Tgt Ion:
Ion Ratio
84 100
49 136.
51 44.
86 62.0 51.4 77.0

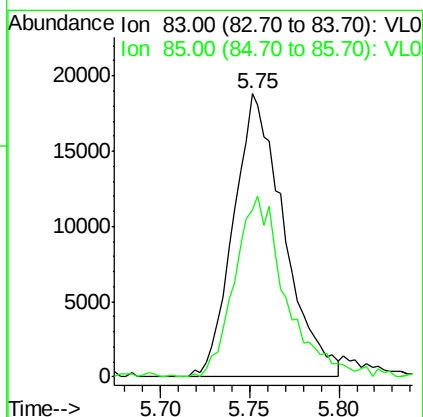
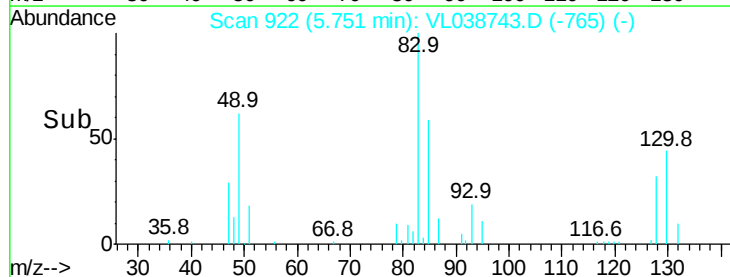
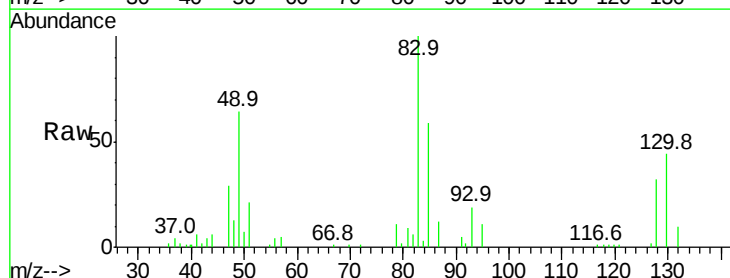
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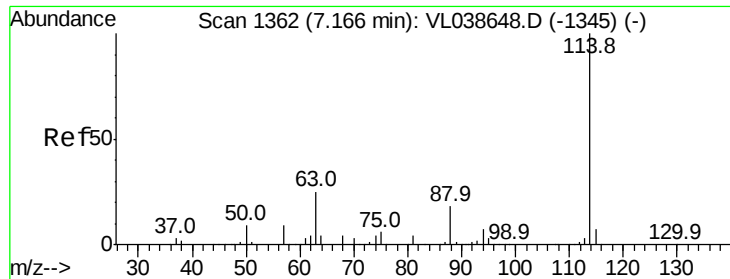
Reviewed By :Semsettin Yesilyurt 03/25/2022
Supervised By :Mahesh Dadoda 03/28/2022



#29
Chloroform
Concen: 0.31 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.01 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion: 83 Resp: 37012
Ion Ratio Lower Upper
83 100
85 59.2 51.7 77.5



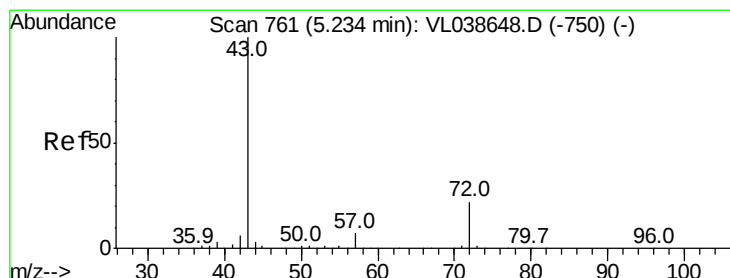
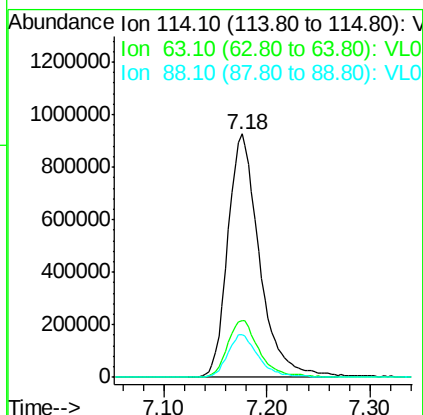
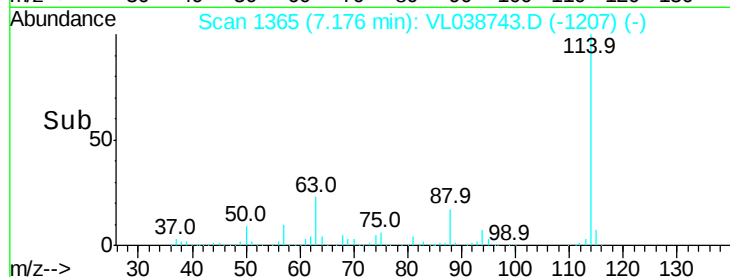
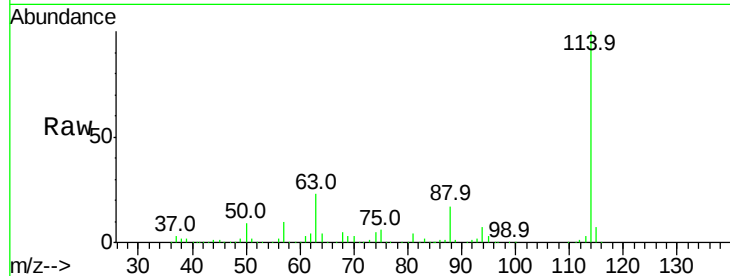


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 24 Mar 2022 9:30

Tgt Ion: 1
 Ion Ratio
 114 100
 63 23.
 88 17.

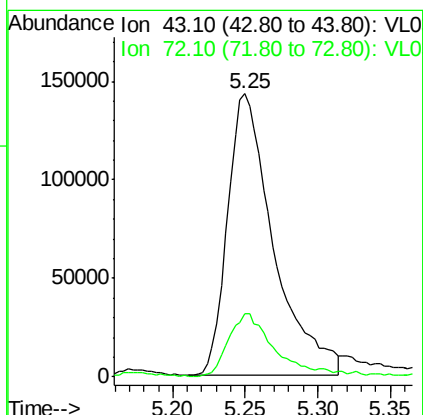
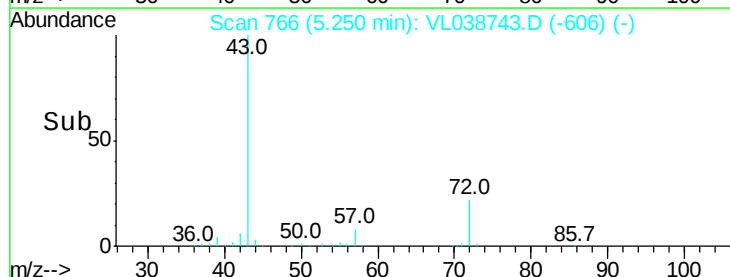
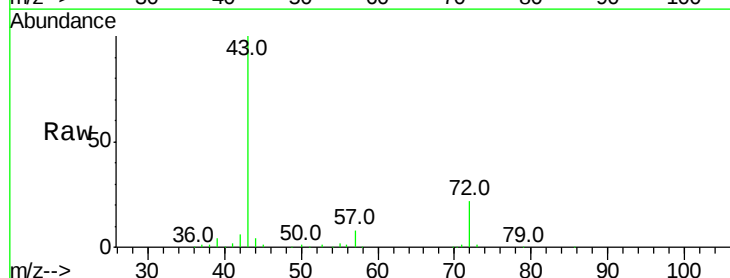
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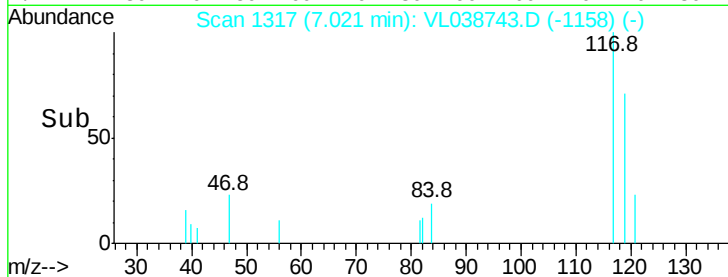
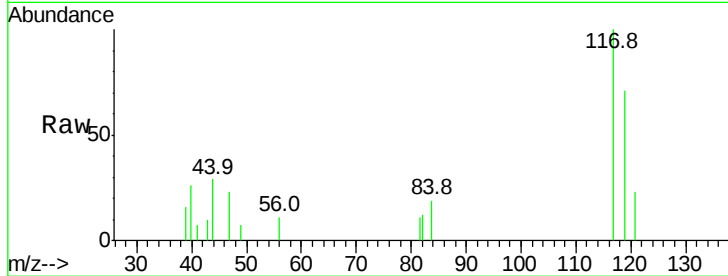
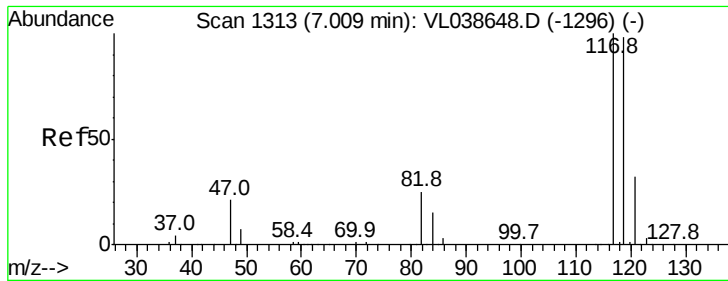
Reviewed By : Semsettin Yesilyurt 03/25/2022
 Supervised By : Mahesh Dadoda 03/28/2022



#34
 2-Butanone
 Concen: 4.01 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.02 min
 Lab File: VL038743.D
 Acq: 24 Mar 2022 9:30

Tgt Ion: 43 Resp: 315314
 Ion Ratio Lower Upper
 43 100
 72 23.6 17.8 26.8



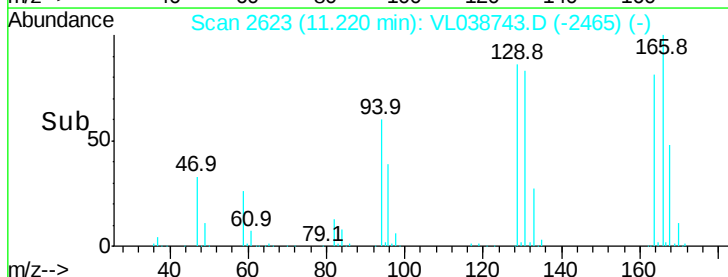
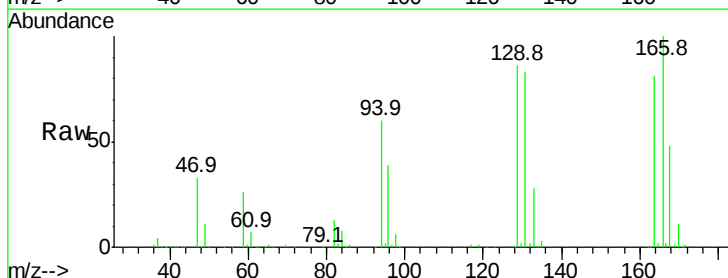
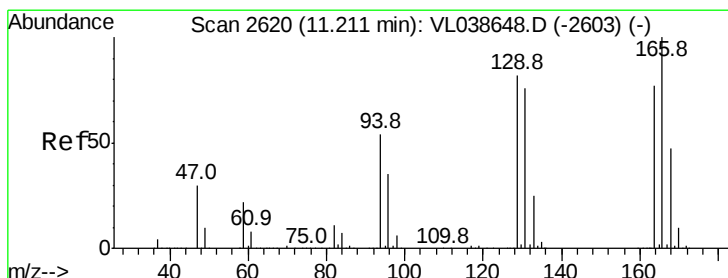
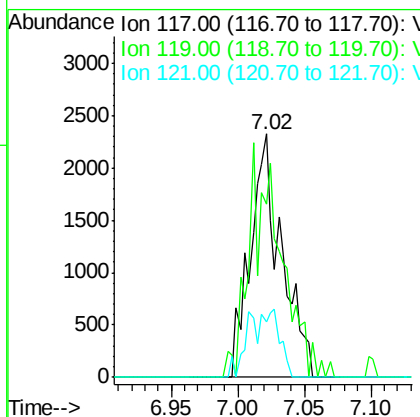


#35
Carbon Tetrachloride
Concen: 0.03 ppbv m
RT: 7.02
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Mar 2022 9:30

Tgt Ion:1
Ion Rati
117 100
119 70.
121 22.

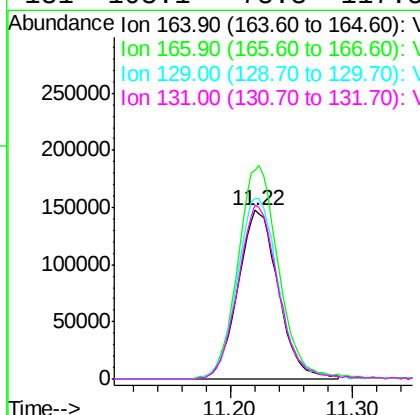
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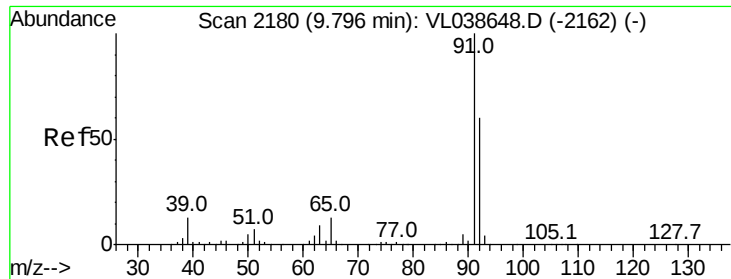
Reviewed By :Semsettin Yesilyurt 03/25/2022
Supervised By :Mahesh Dadoda 03/28/2022



#52
Tetrachloroethene
Concen: 5.99 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.01 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion:164 Resp: 336010
Ion Ratio Lower Upper
164 100
166 124.1 103.3 154.9
129 107.3 85.2 127.8
131 103.1 78.3 117.5





#53

Toluene

Concen: 0.19 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 9:30

Tgt Ion:

Ion Ratio

91 100

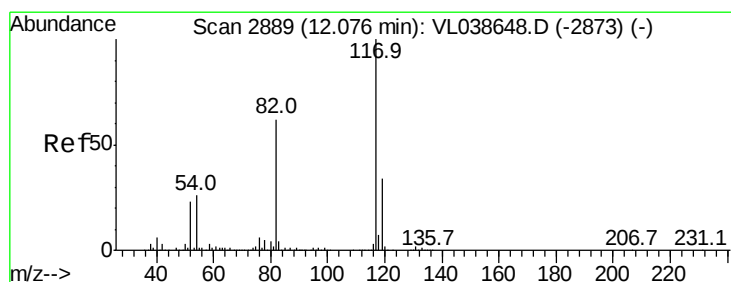
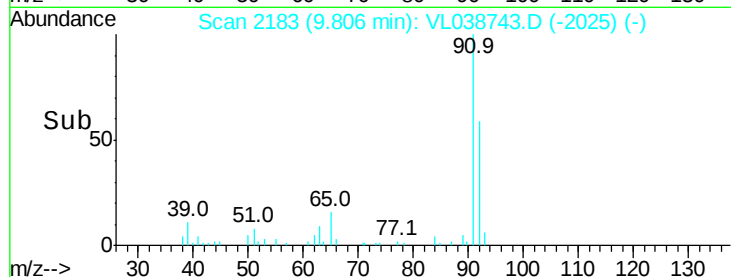
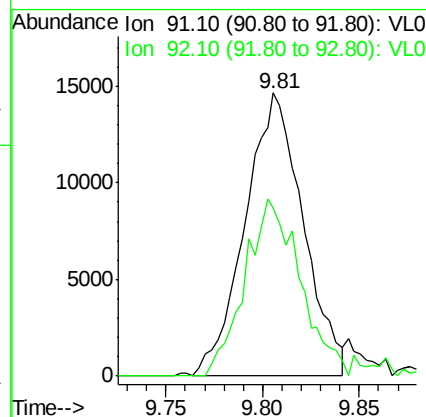
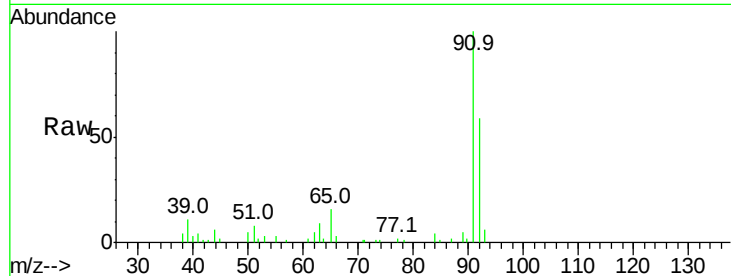
92 63.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/25/2022

Supervised By :Mahesh Dadoda 03/28/2022



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. 0.01 min

Lab File: VL038743.D

Acq: 24 Mar 2022 9:30

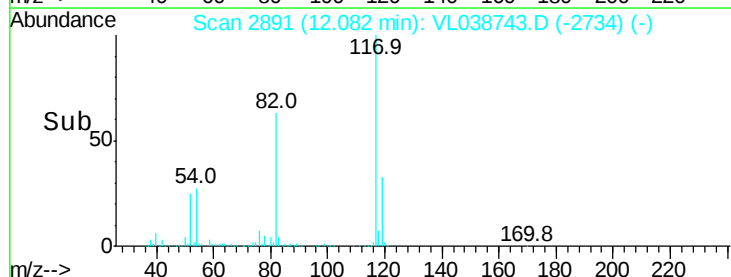
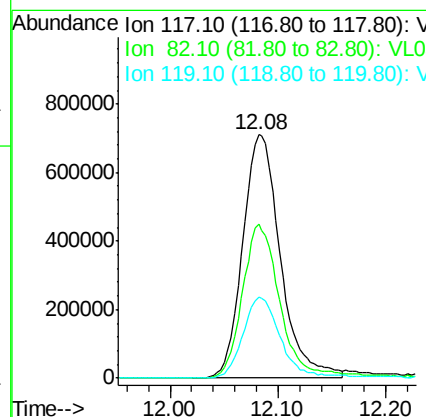
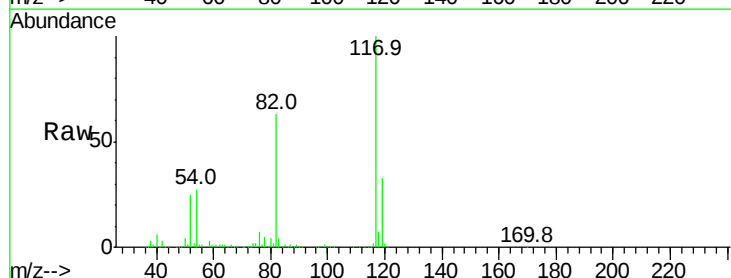
Tgt Ion:117 Resp: 1728023

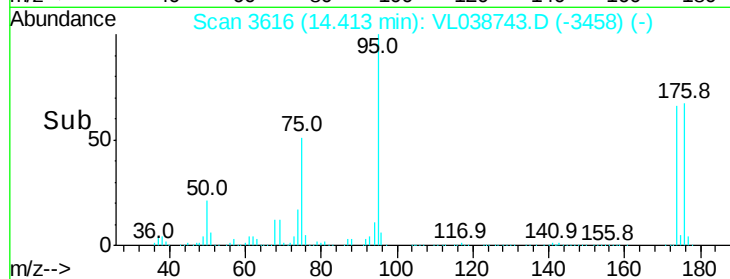
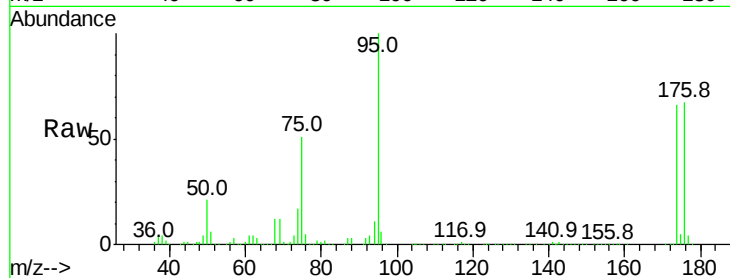
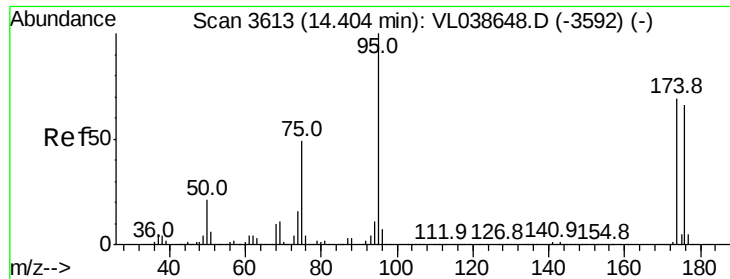
Ion Ratio Lower Upper

117 100

82 66.3 51.6 77.4

119 34.5 26.9 40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.22 ppbv

RT: 14.41

Delta R.T

Lab File: ClientSampleId :

Acq: 24 Mar 2022 9:30

Tgt Ion:

Ion Ratio

95 100

174 73.

175 5.

Manual Integrations

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