

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
 Data File : VL038730.D
 Acq On : 24 Mar 2022 00:30
 Operator : SY/AP
 Sample : N2049-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P97

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/24/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 24 06:25:05 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	5.66	49	791469	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2066137	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1860278	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1334367	9.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	31341	0.29	ppbv	89
3) Chlorodifluoromethane	2.99	51	26917	0.32	ppbv	98
4) Chloromethane	3.14	50	7920m	0.17	ppbv	
9) Propene	3.01	41	27256	0.68	ppbv	88
11) Trichlorofluoromethane	3.95	101	24455	0.26	ppbv	96
13) Ethanol	3.60	45	114536	25.73	ppbv	90
15) Acetone	3.84	43	432058	6.33	ppbv #	87
17) tert-Butyl alcohol	4.30	59	21615m	0.36	ppbv	
19) Isopropyl Alcohol	3.97	45	33554m	0.89	ppbv	
20) Methylene Chloride	4.34	84	192603	6.70	ppbv	97
26) Hexane	5.68	57	126614	1.65	ppbv #	40
34) 2-Butanone	5.24	43	439790	5.38	ppbv	96
35) Carbon Tetrachloride	7.01	117	6809m	0.06	ppbv	
36) Benzene	6.89	78	20791m	0.13	ppbv	
51) 2-Hexanone	10.14	43	38818	0.36	ppbv #	99
52) Tetrachloroethene	11.21	164	5238m	0.09	ppbv	
53) Toluene	9.80	91	70238	0.41	ppbv	98
59) m/p-Xylene	12.95	91	25168m	0.13	ppbv	

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

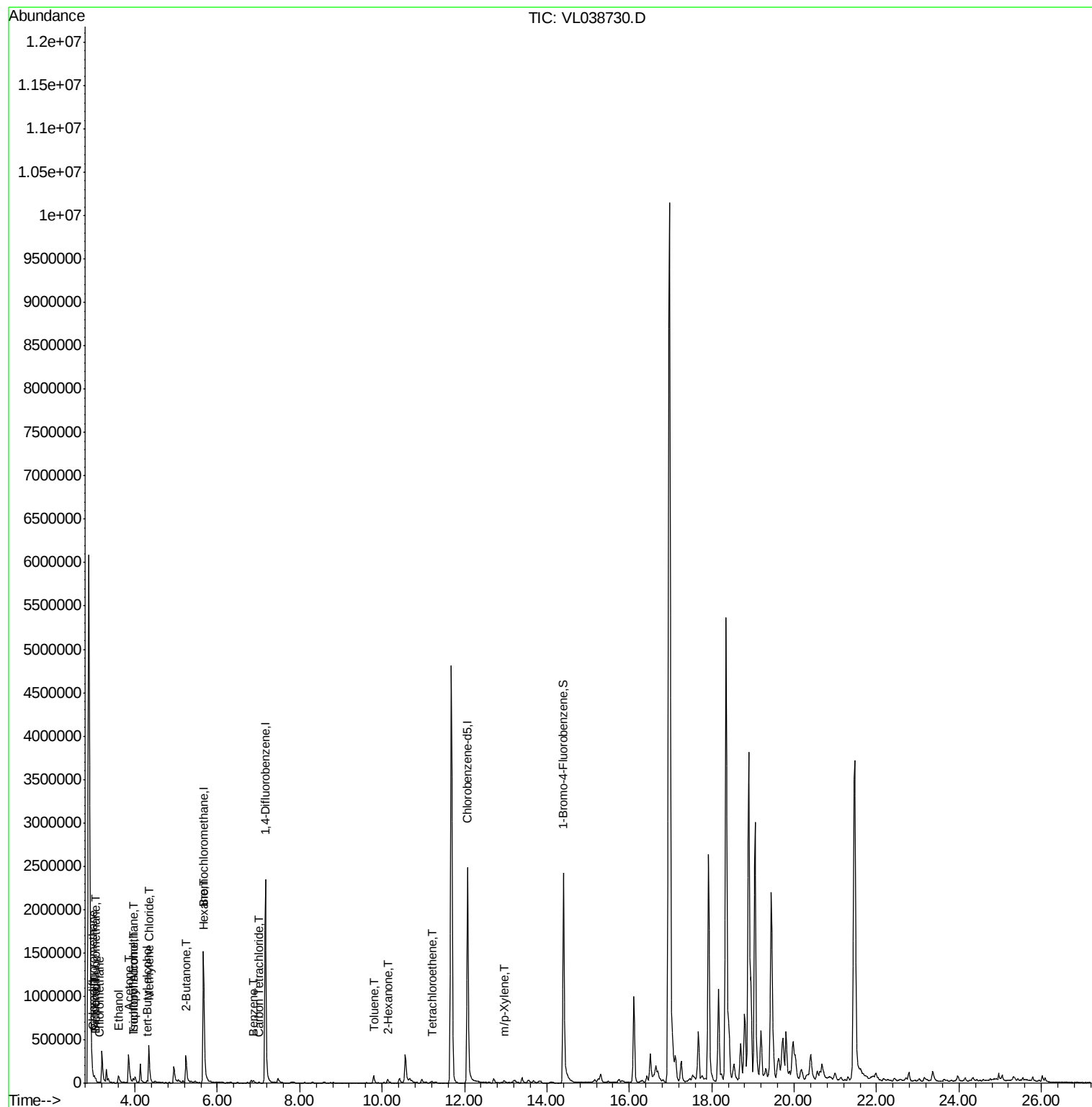
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038730.D
Acq On : 24 Mar 2022 00:30
Operator : SY/AP
Sample : N2049-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

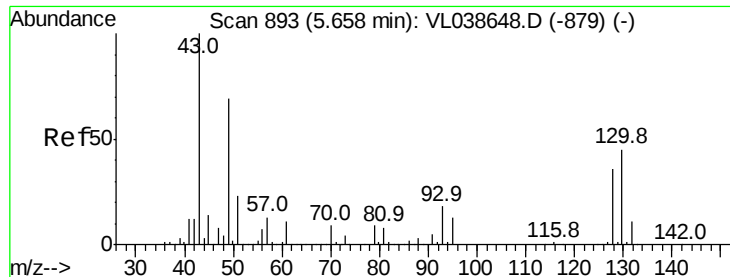
Instrument :
MSVOA_L
ClientSampleId :
C0P97

Quant Time: Mar 24 06:25:05 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

Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 03/28/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 00:30

Tgt Ion:

Ion Ratio

49 100

128 54.

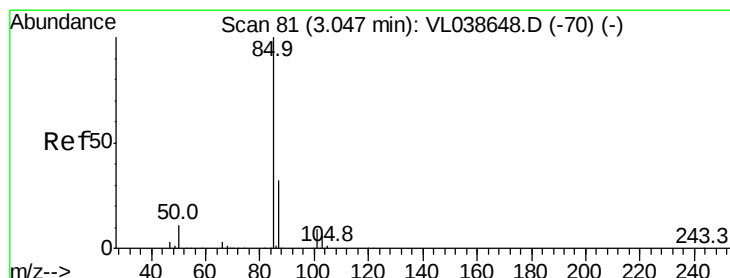
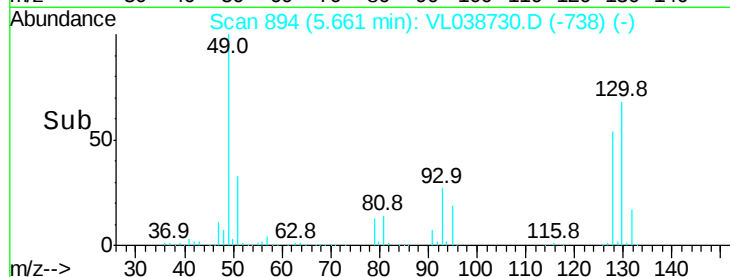
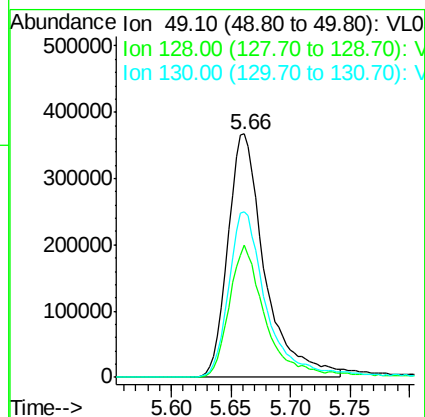
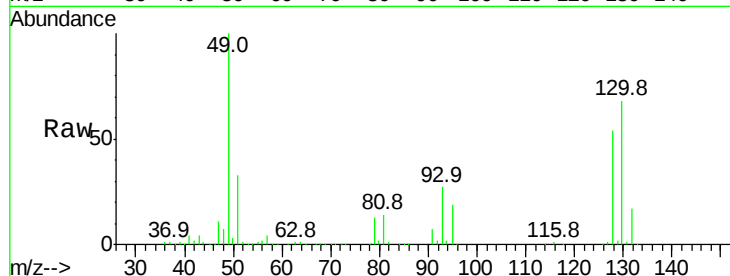
130 70.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#2

Dichlorodifluoromethane

Concen: 0.29 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038730.D

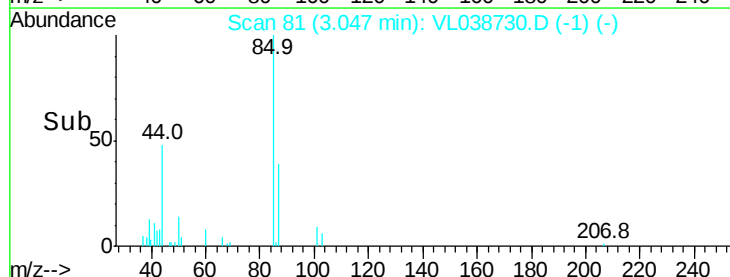
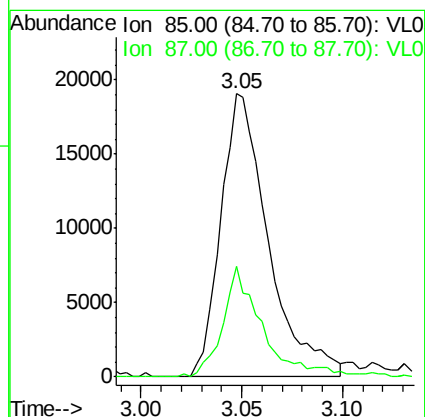
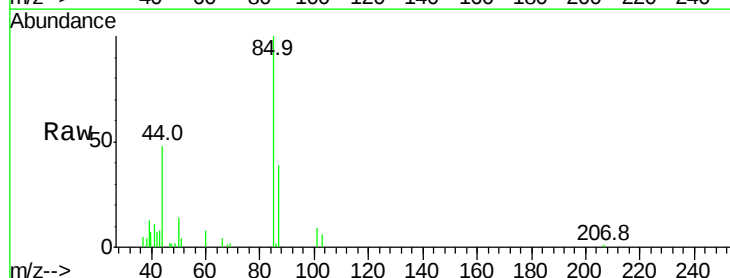
Acq: 24 Mar 2022 00:30

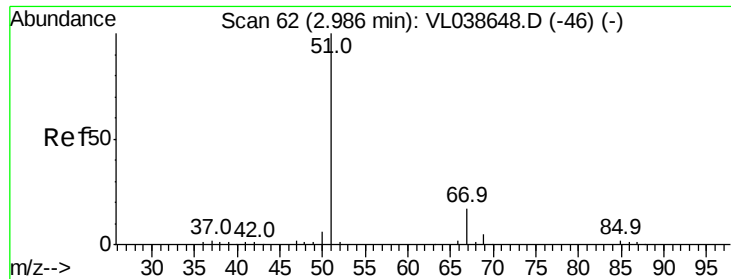
Tgt Ion: 85 Resp: 31341

Ion Ratio Lower Upper

85 100

87 38.9 26.0 39.0



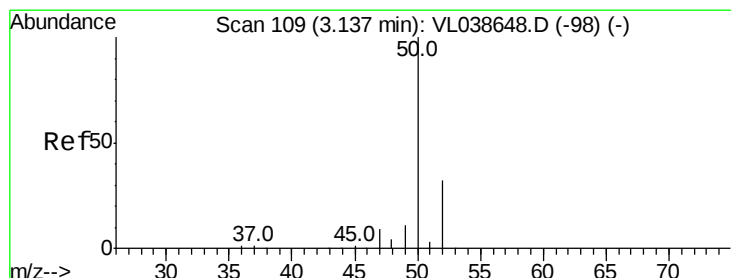
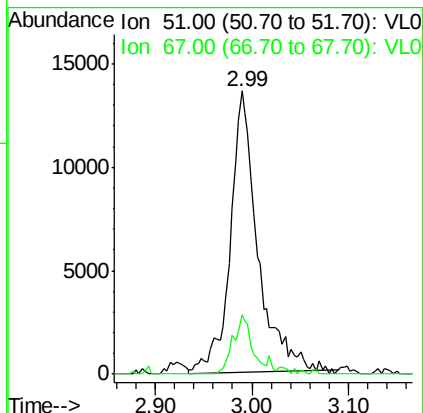
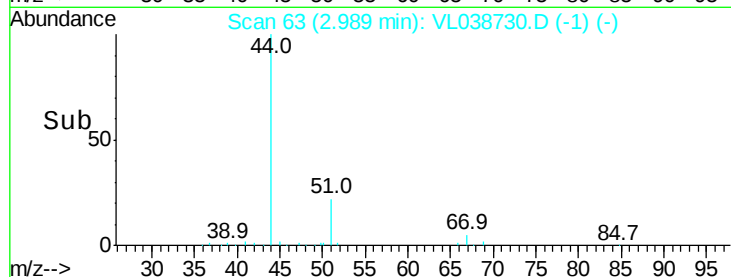
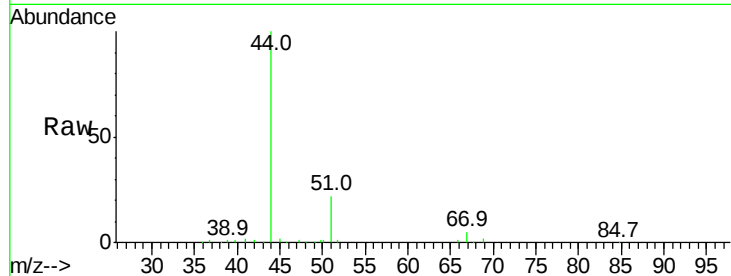


#3
 Chlorodifluoromethane
 Concen: 0.32 ppbv
 RT: 2.99
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 C0P97
 Acq: 24 Mar 2022 00:30

Tgt Ion:
 Ion Ratio
 51 100
 67 16.

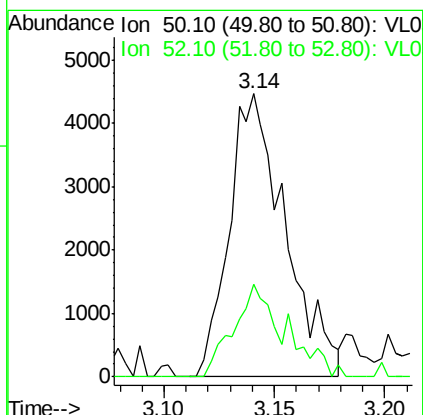
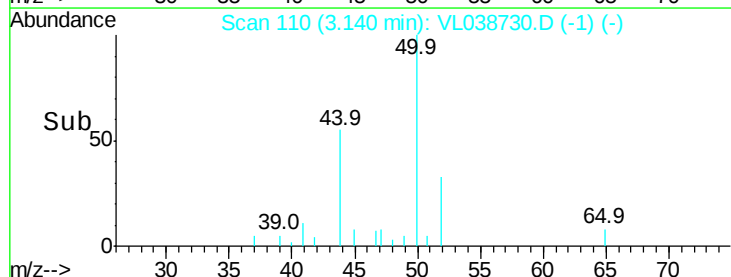
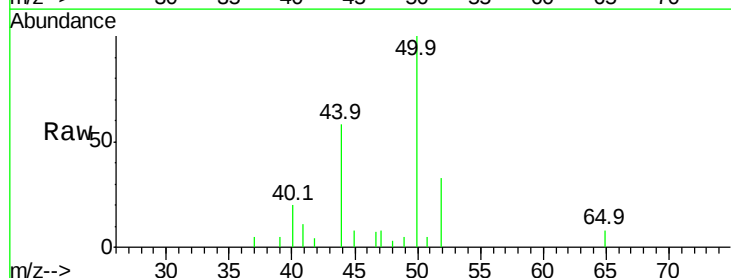
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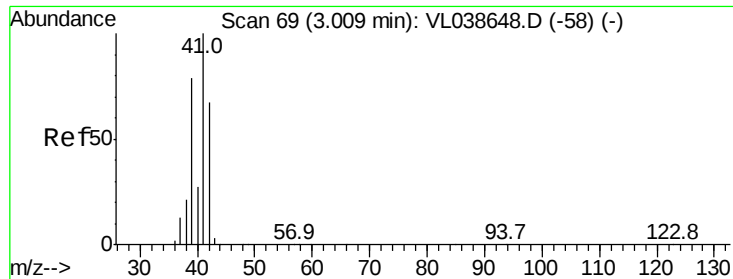
Reviewed By :Semsettin Yesilyurt 03/24/2022
 Supervised By :Mahesh Dadoda 03/28/2022



#4
 Chloromethane
 Concen: 0.17 ppbv m
 RT: 3.14 min Scan# 110
 Delta R.T. 0.00 min
 Lab File: VL038730.D
 Acq: 24 Mar 2022 00:30

Tgt Ion: 50 Resp: 7920
 Ion Ratio Lower Upper
 50 100
 52 32.7 25.5 38.3





#9

Propene

Concen: 0.68 ppbv

RT: 3.01 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2022 00:30 C0P97

Tgt Ion:

Ion Ratio

41 100

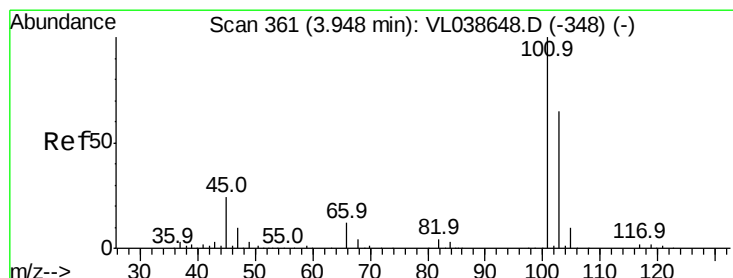
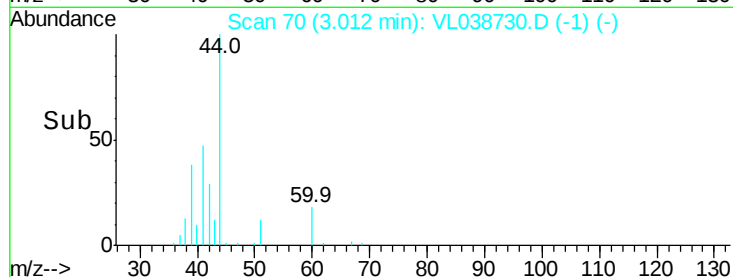
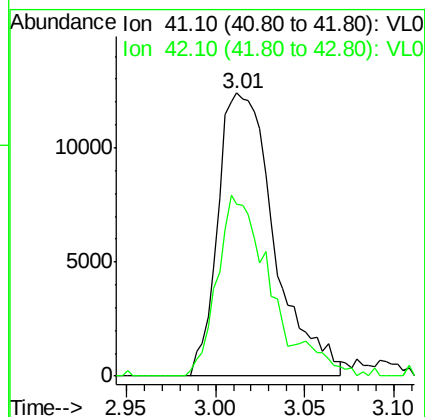
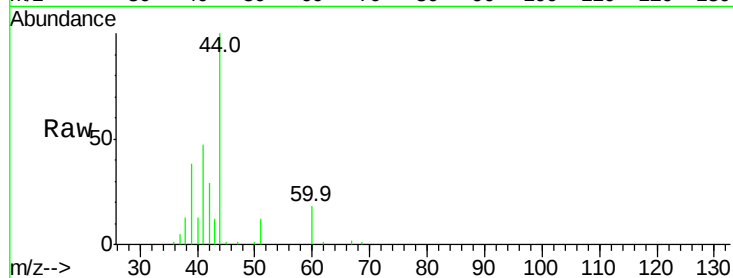
42 60.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#11

Trichlorofluoromethane

Concen: 0.26 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL038730.D

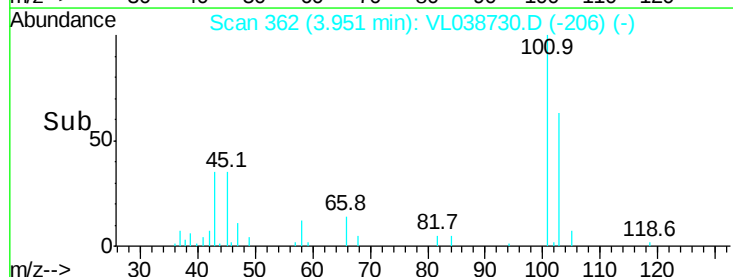
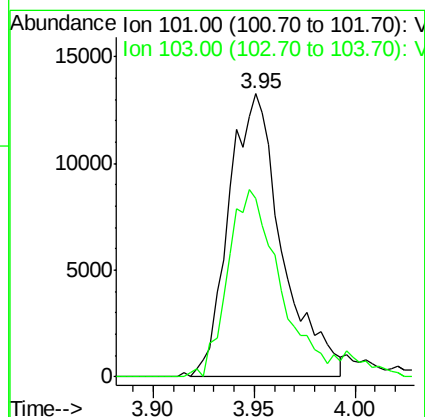
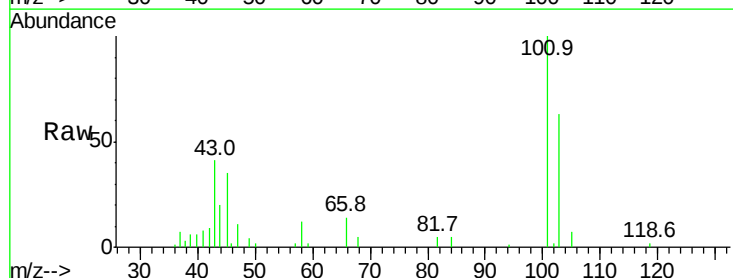
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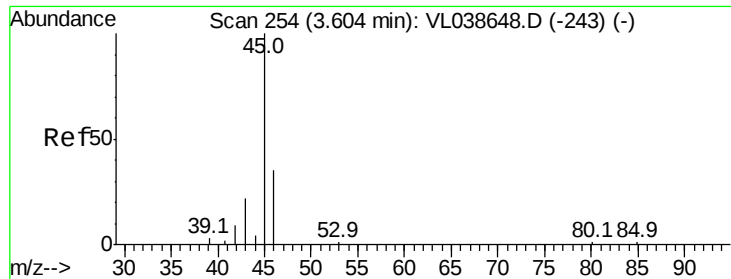
Tgt Ion:101 Resp: 24455

Ion Ratio Lower Upper

101 100

103 61.5 51.9 77.9



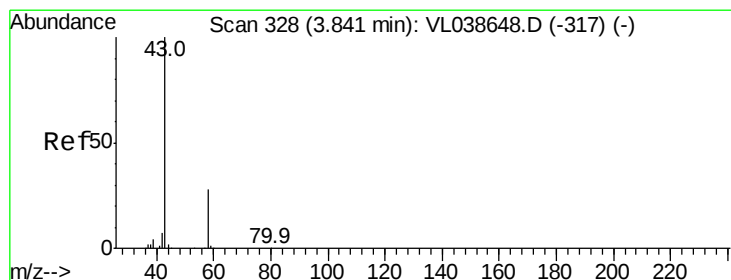
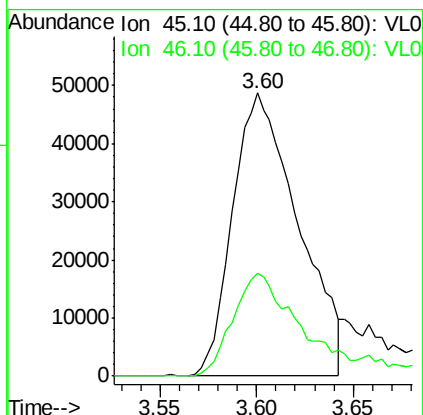
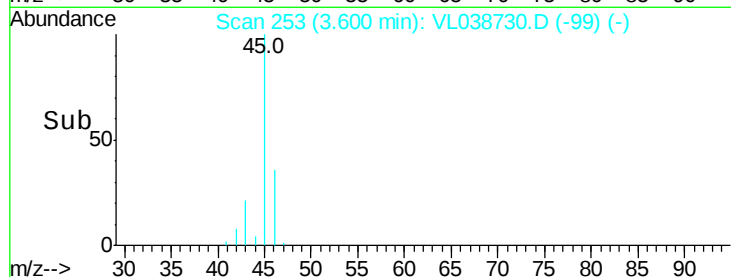
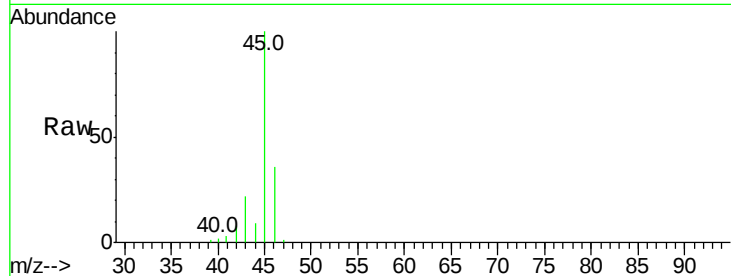


#13
 Ethanol
 Concen: 25.73 ppbv
 RT: 3.60
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Mar 2022 00:30

Tgt Ion:
 Ion Ratio
 45 100
 46 44.

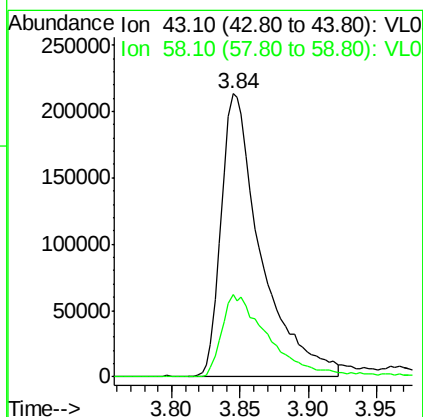
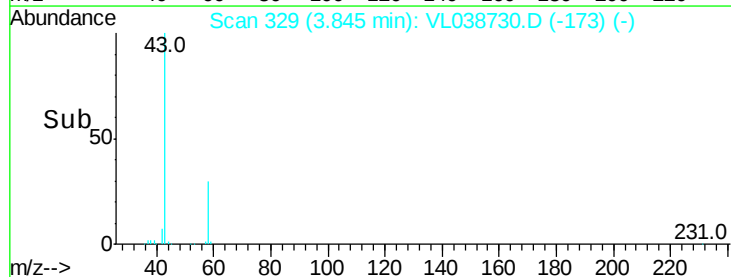
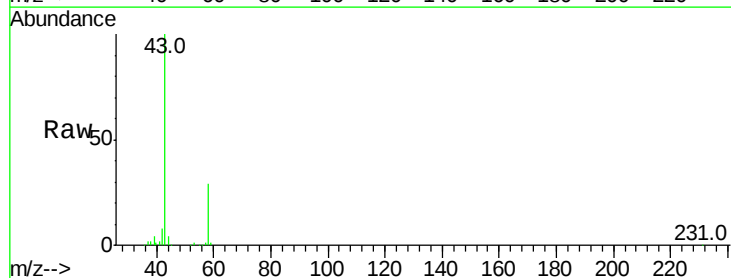
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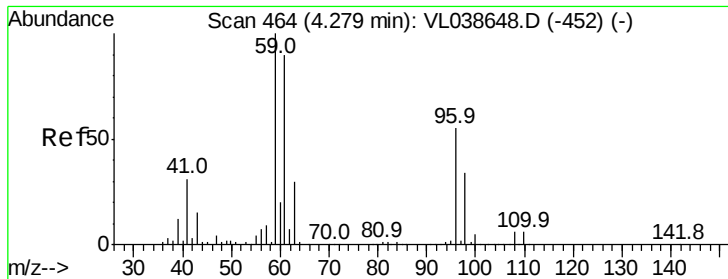
Reviewed By :Semsettin Yesilyurt 03/24/2022
 Supervised By :Mahesh Dadoda 03/28/2022



#15
 Acetone
 Concen: 6.33 ppbv
 RT: 3.84 min Scan# 329
 Delta R.T. 0.00 min
 Lab File: VL038730.D
 Acq: 24 Mar 2022 00:30

Tgt Ion: 43 Resp: 432058
 Ion Ratio Lower Upper
 43 100
 58 36.2 23.3 34.9#





#17

tert-Butyl alcohol

Concen: 0.36 ppbv m

RT: 4.30 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 00:30

Tgt Ion:

Ion Ratio

59 100

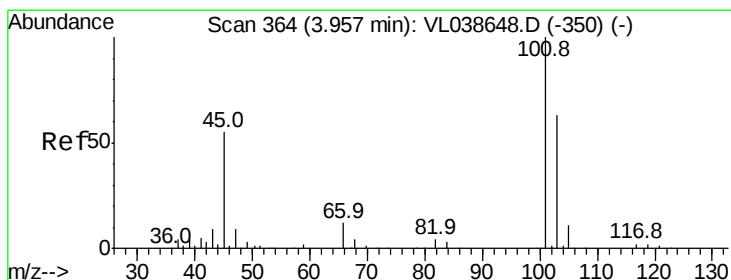
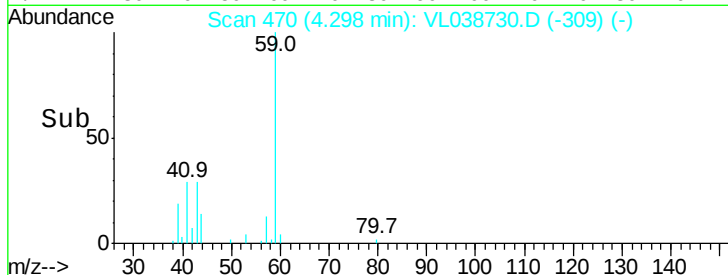
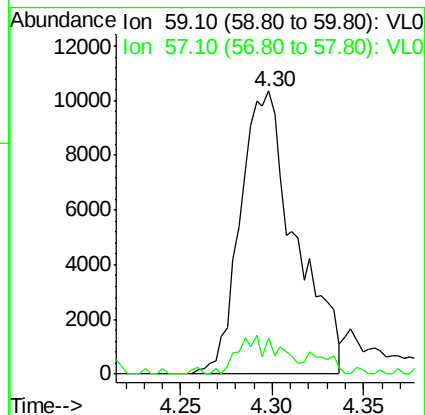
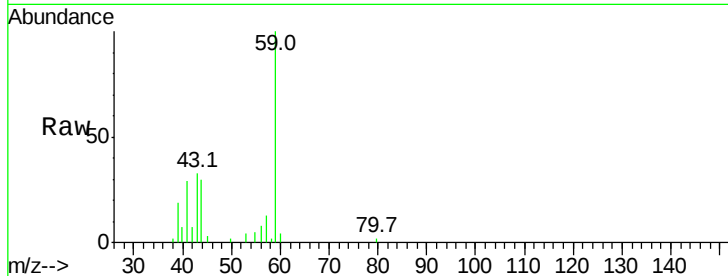
57 14.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#19

Isopropyl Alcohol

Concen: 0.89 ppbv m

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VL038730.D

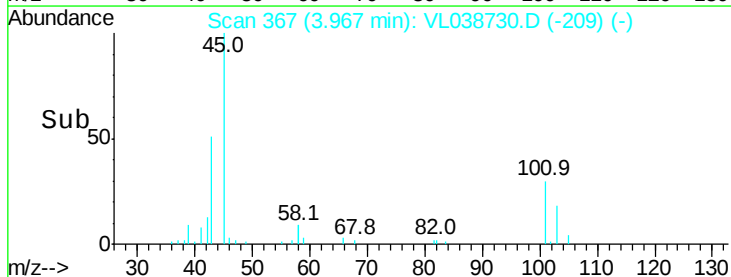
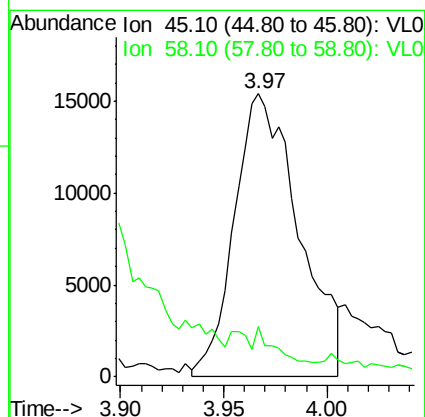
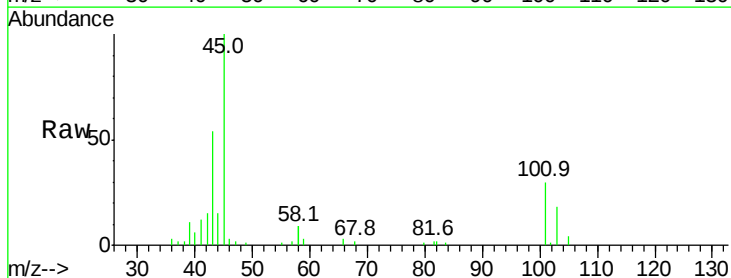
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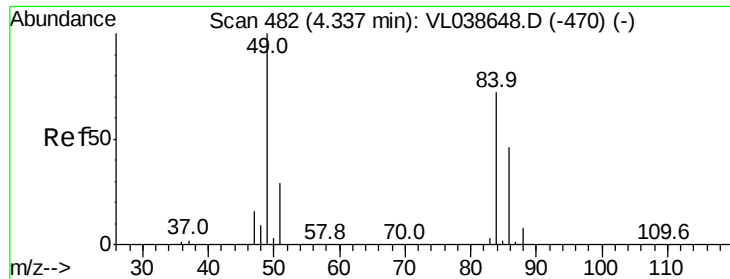
Tgt Ion: 45 Resp: 33554

Ion Ratio Lower Upper

45 100

58 0.0 2.3 3.5#



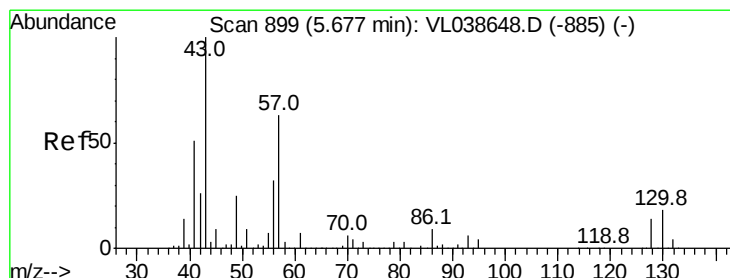
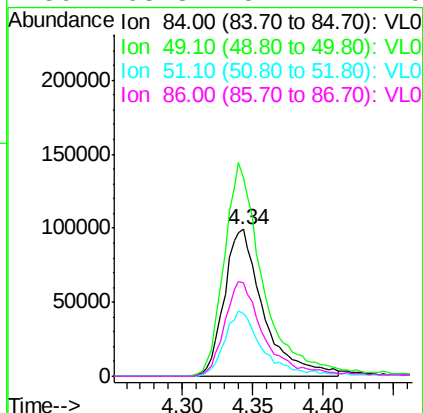
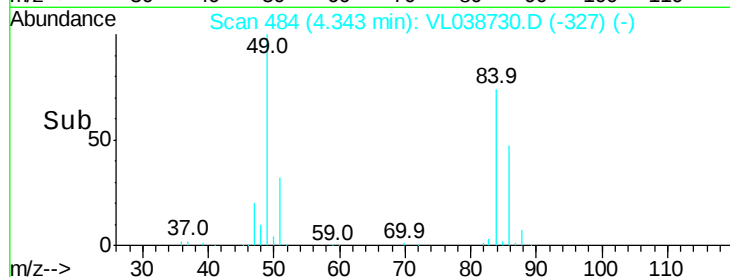
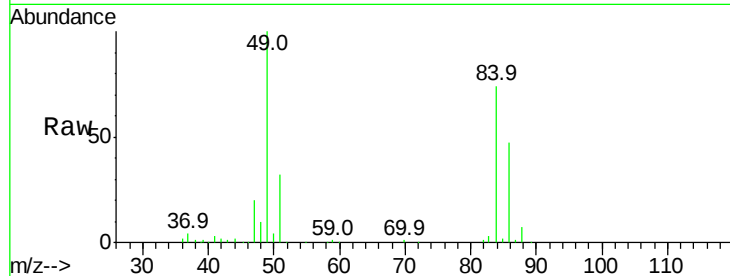


#20
Methylene Chloride
Concen: 6.70 ppbv
RT: 4.34
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
COP97
Acq: 24 Mar 2022 00:30

Tgt Ion:
Ion Ratio
84 100
49 134.
51 42.
86 63.3 51.4 77.0

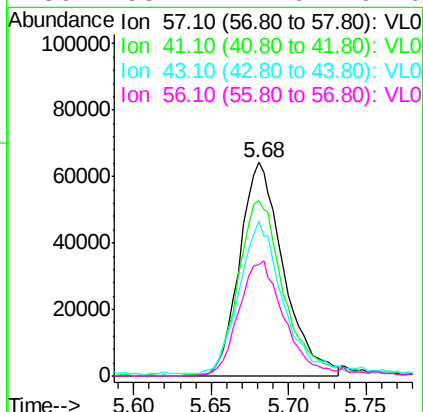
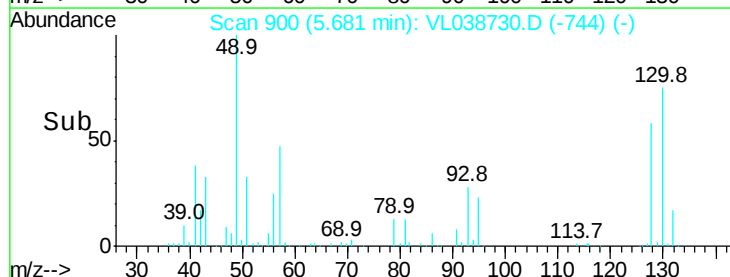
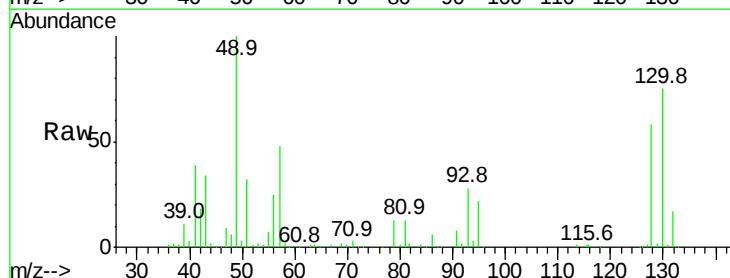
Manual Integrations
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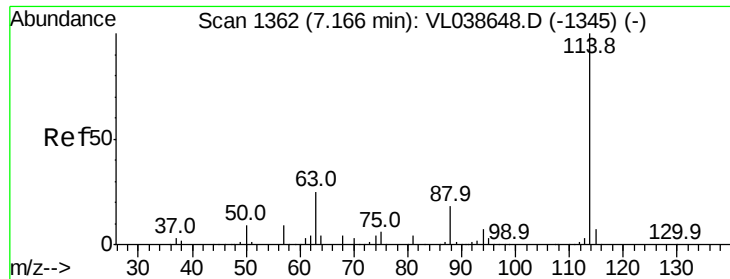
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#26
Hexane
Concen: 1.65 ppbv
RT: 5.68 min Scan# 900
Delta R.T.: 0.00 min
Lab File: VL038730.D
Acq: 24 Mar 2022 00:30

Tgt Ion: 57 Resp: 126614
Ion Ratio Lower Upper
57 100
41 88.3 67.0 100.4
43 77.3 184.2 276.2#
56 58.2 42.6 64.0



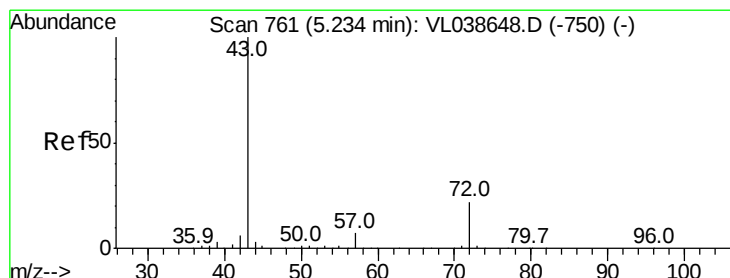
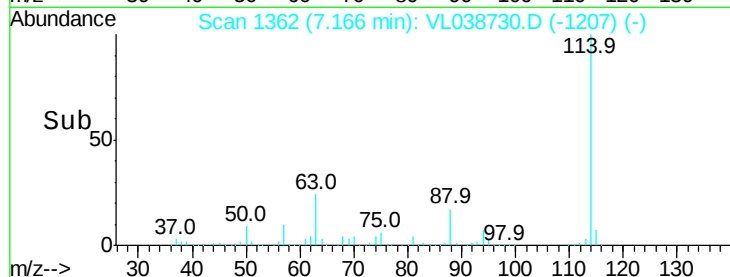
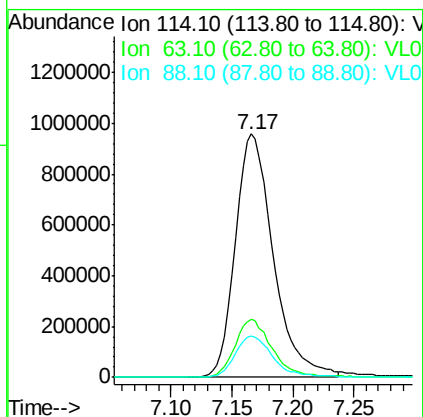
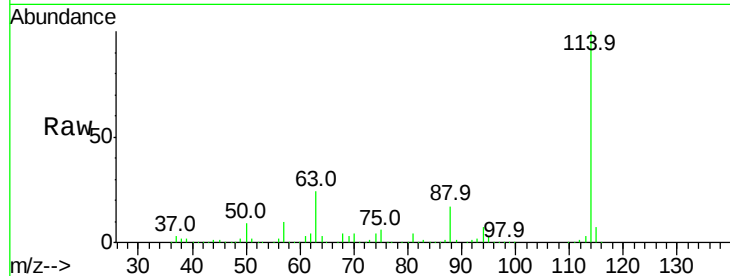


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.17
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 24 Mar 2022 00:30

Tgt Ion: 114.10
 Ion Ratio: 100
 114 100
 63 23.1
 88 17.1

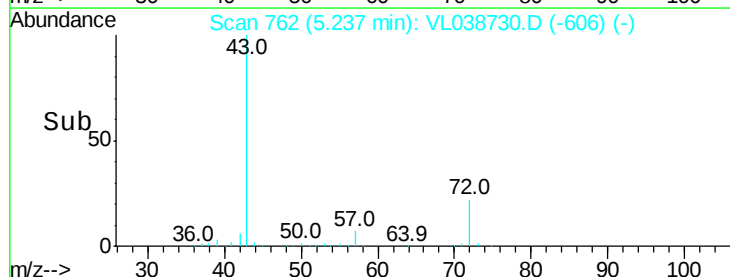
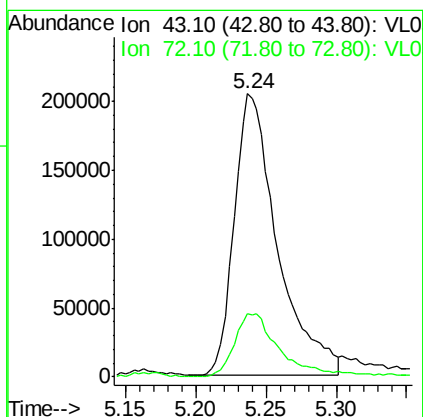
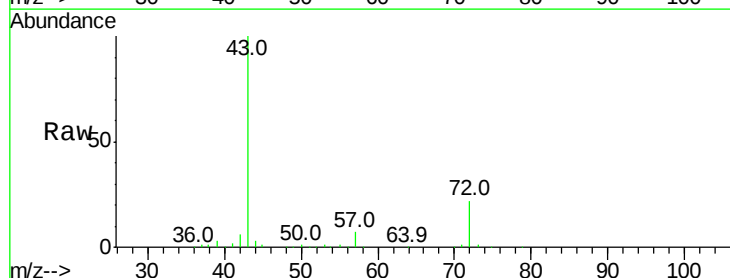
Manual Integrations
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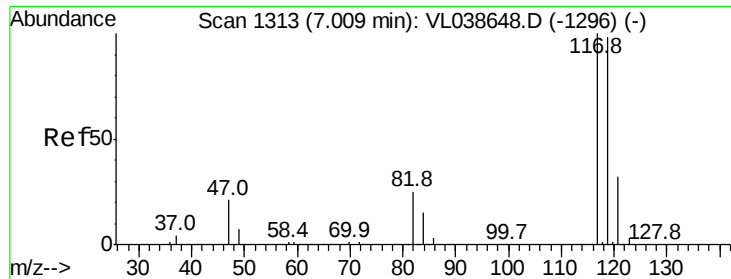
Reviewed By : Semsettin Yesilyurt 03/24/2022
 Supervised By : Mahesh Dadoda 03/28/2022



#34
 2-Butanone
 Concen: 5.38 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T.: 0.00 min
 Lab File: VL038730.D
 Acq: 24 Mar 2022 00:30

Tgt Ion: 43 Resp: 439790
 Ion Ratio Lower Upper
 43 100
 72 24.2 17.8 26.8





#35

Carbon Tetrachloride

Concen: 0.06 ppbv m

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 00:30

Tgt Ion:1

Ion Ratio

117 100

119 73.

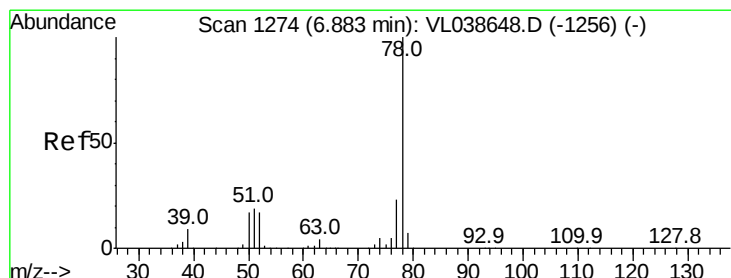
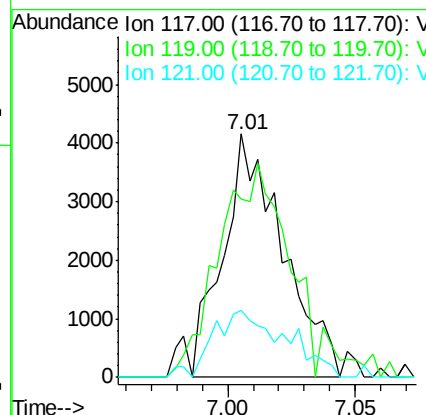
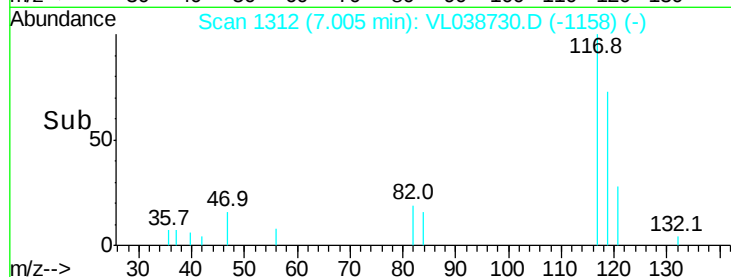
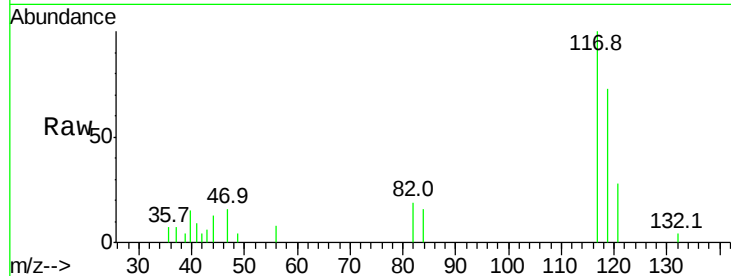
121 27.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#36

Benzene

Concen: 0.13 ppbv m

RT: 6.89 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VL038730.D

Acq: 24 Mar 2022 00:30

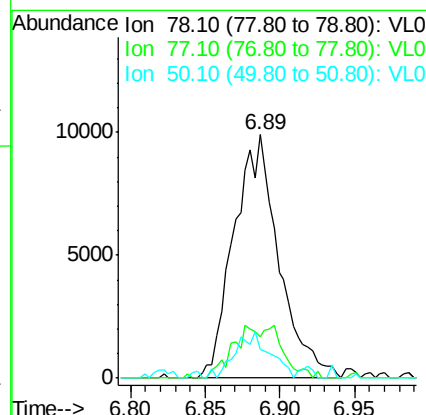
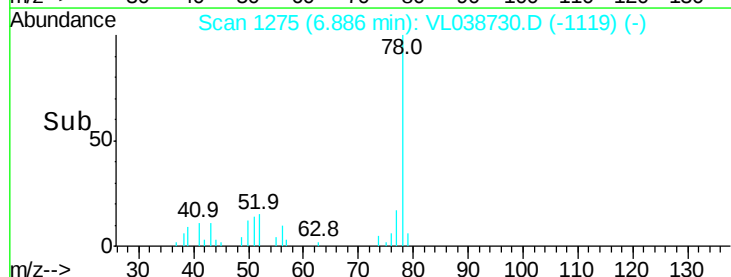
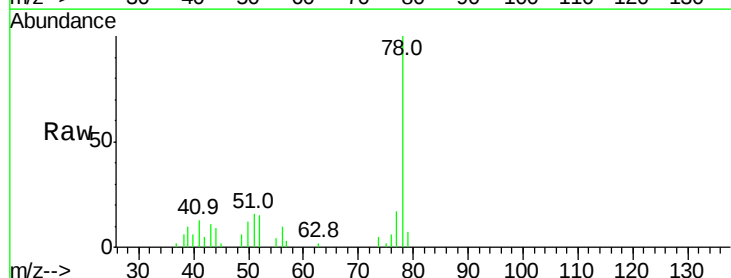
Tgt Ion: 78 Resp: 20791

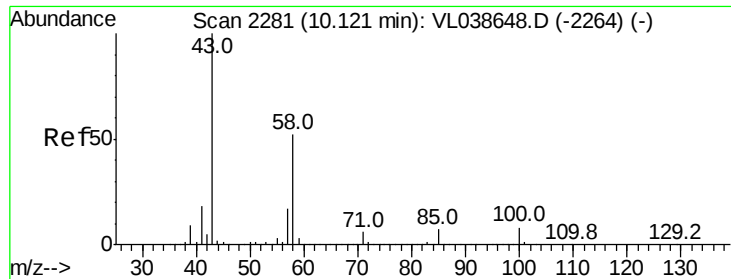
Ion Ratio Lower Upper

78 100

77 17.0 18.1 27.1#

50 11.8 13.6 20.4#



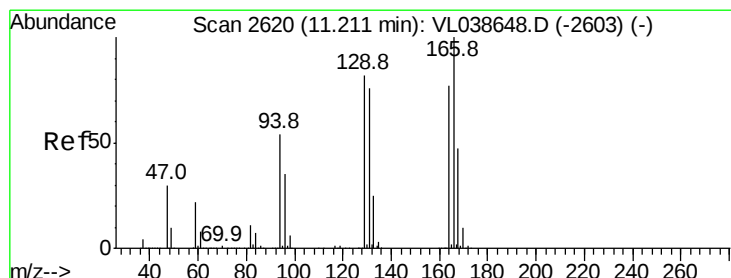
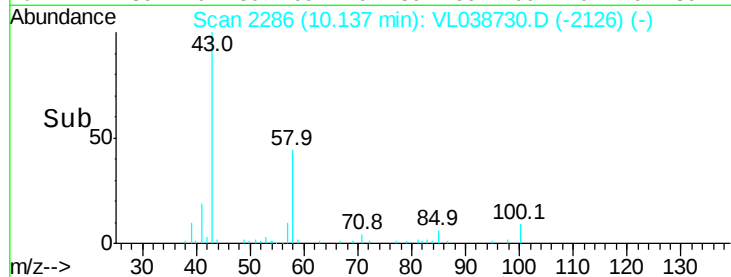
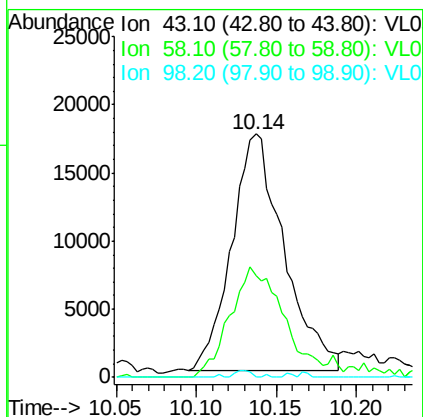
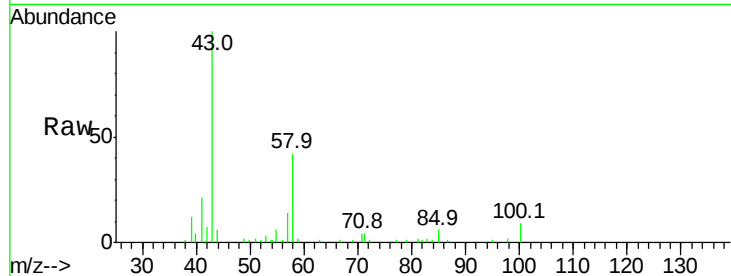


#51
2-Hexanone
Concen: 0.36 ppbv
RT: 10.14 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
COP97
Acq: 24 Mar 2022 00:30

Tgt Ion:
Ion Ratio
43 100
58 52.
98 1.

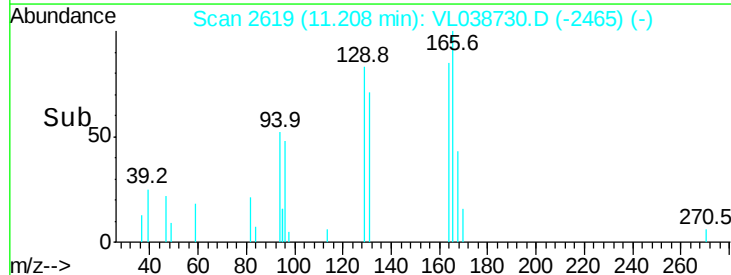
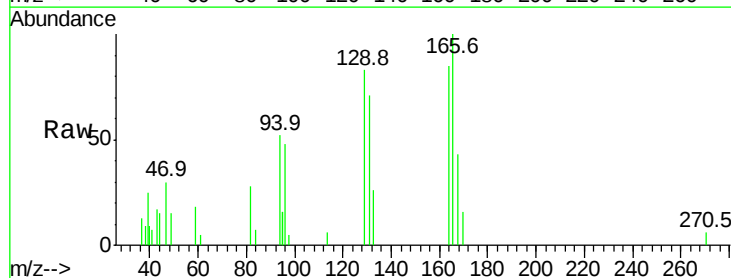
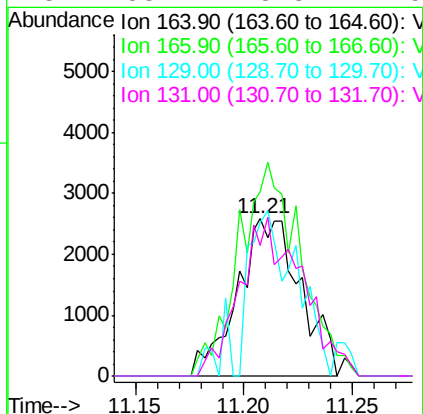
Manual Integrations
APPROVED

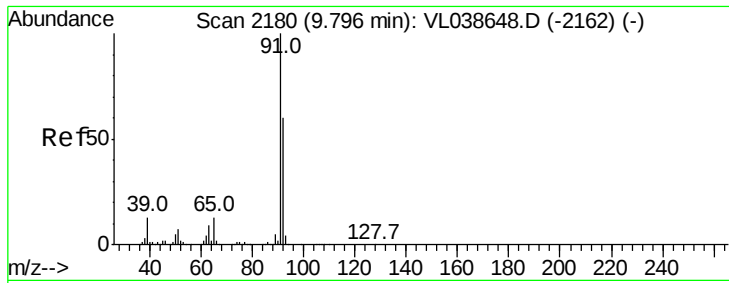
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#52
Tetrachloroethene
Concen: 0.09 ppbv m
RT: 11.21 min Scan# 2619
Delta R.T. -0.00 min
Lab File: VL038730.D
Acq: 24 Mar 2022 00:30

Tgt Ion:164 Resp: 5238
Ion Ratio Lower Upper
164 100
166 117.2 103.3 154.9
129 97.6 85.2 127.8
131 83.2 78.3 117.5





#53

Toluene

Concen: 0.41 ppbv

RT: 9.80 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 00:30

Tgt Ion:

Ion Ratio

91 100

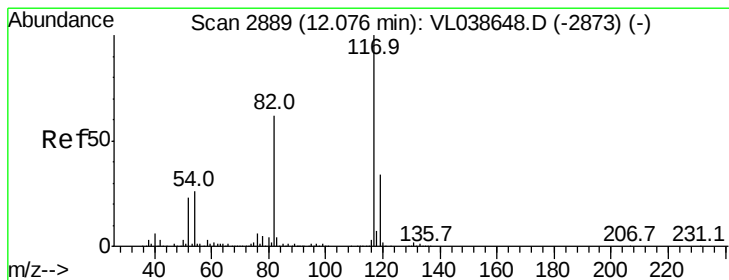
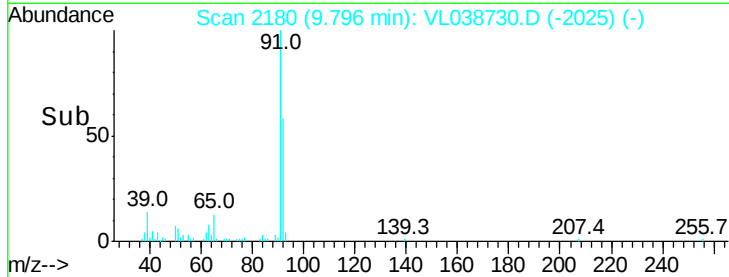
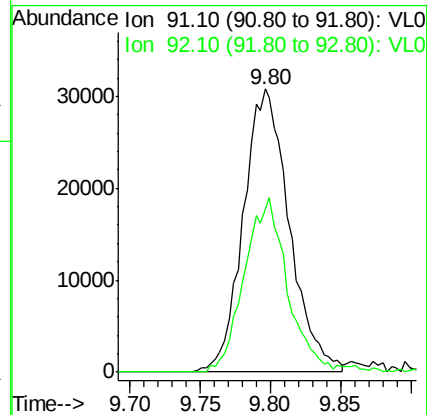
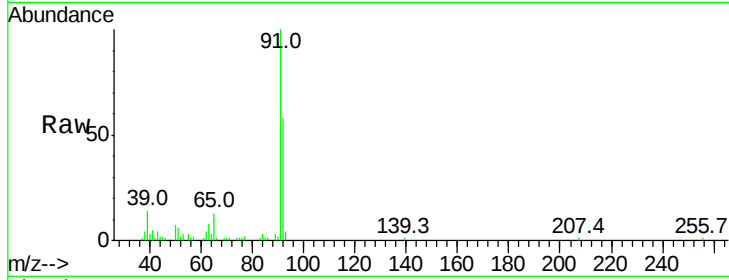
92 59.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VL038730.D

Acq: 24 Mar 2022 00:30

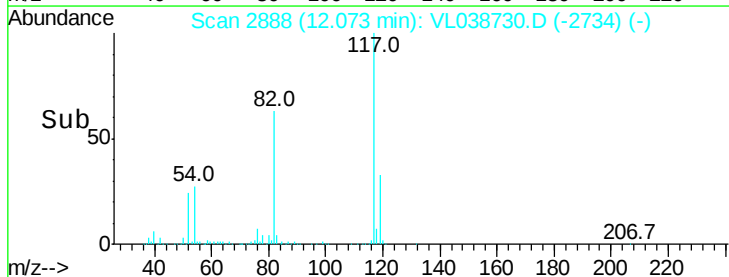
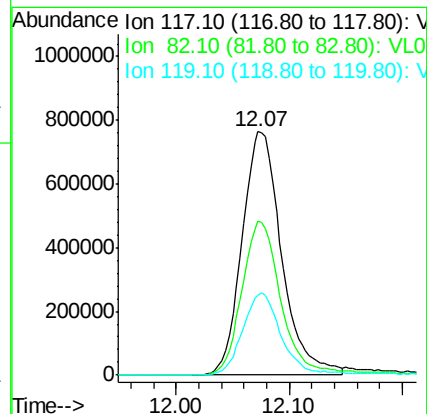
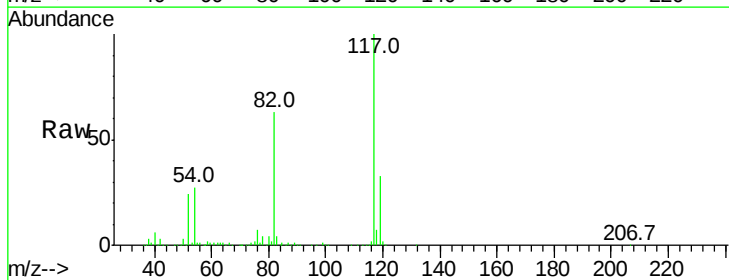
Tgt Ion:117 Resp: 1860278

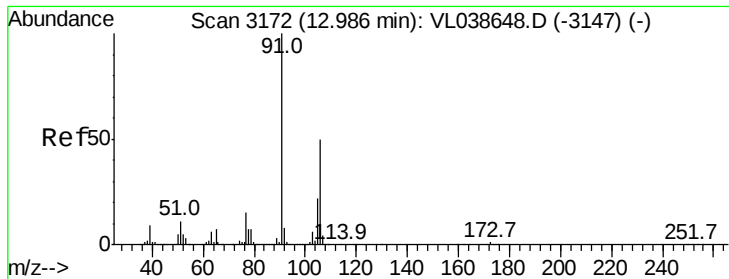
Ion Ratio Lower Upper

117 100

82 64.9 51.6 77.4

119 34.7 26.9 40.3



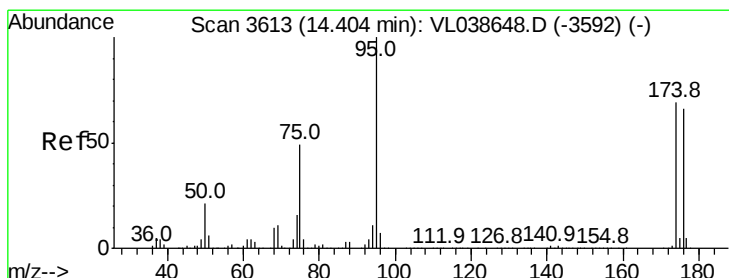
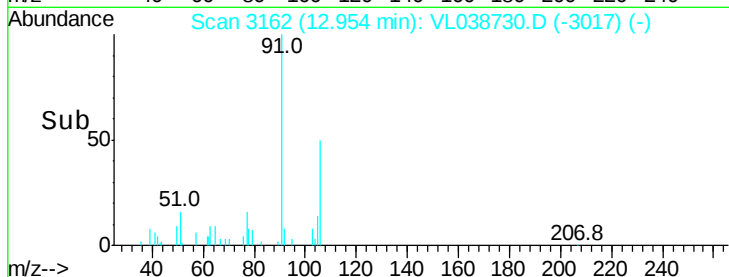
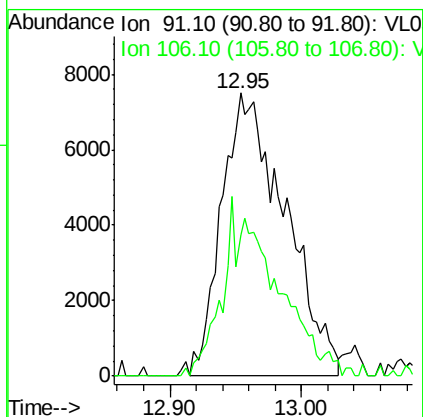
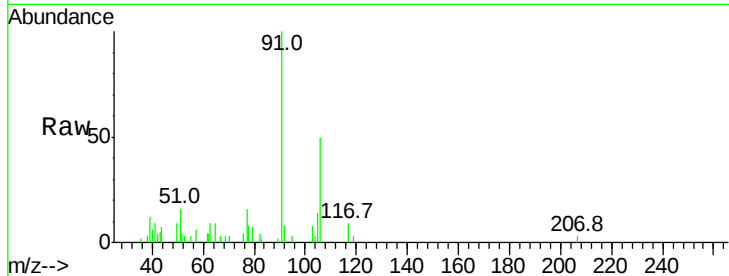


#59
m/p-Xylene
Concen: 0.13 ppbv m
RT: 12.95
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
COP97
Acq: 24 Mar 2022 00:30

Tgt Ion:
Ion Ratio
91 100
106 0.

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.36 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.00 min
Lab File: VL038730.D
Acq: 24 Mar 2022 00:30

Tgt Ion: 95 Resp: 1334367
Ion Ratio Lower Upper
95 100
174 73.6 56.1 84.1
175 4.9 4.2 6.2

