

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
 Data File : VL038726.D
 Acq On : 23 Mar 2022 21:51
 Operator : SY/AP
 Sample : N2047-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA2

Manual Integrations
 APPROVED

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

Quant Time: Mar 27 16:13:36 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	710354	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	1916709	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1754447	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1266144	9.41	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	25176	0.26	ppbv	97
3) Chlorodifluoromethane	2.99	51	23965	0.32	ppbv	94
4) Chloromethane	3.14	50	4229m	0.10	ppbv	
9) Propene	3.02	41	12777m	0.35	ppbv	
11) Trichlorofluoromethane	3.94	101	22896	0.27	ppbv	88
13) Ethanol	3.60	45	76487	19.14	ppbv	88
15) Acetone	3.85	43	178921	2.92	ppbv #	86
17) tert-Butyl alcohol	4.29	59	12362m	0.23	ppbv	
19) Isopropyl Alcohol	3.97	45	25403	0.75	ppbv #	1
20) Methylene Chloride	4.33	84	19933	0.77	ppbv	91
29) Chloroform	5.74	83	32570	0.29	ppbv	92
34) 2-Butanone	5.24	43	146751	1.93	ppbv	95
38) Trichloroethene	7.82	130	7442m	0.12	ppbv	
52) Tetrachloroethene	11.21	164	571223	10.55	ppbv	97
53) Toluene	9.79	91	48395	0.30	ppbv	96
59) m/p-Xylene	12.95	91	24636m	0.14	ppbv	

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

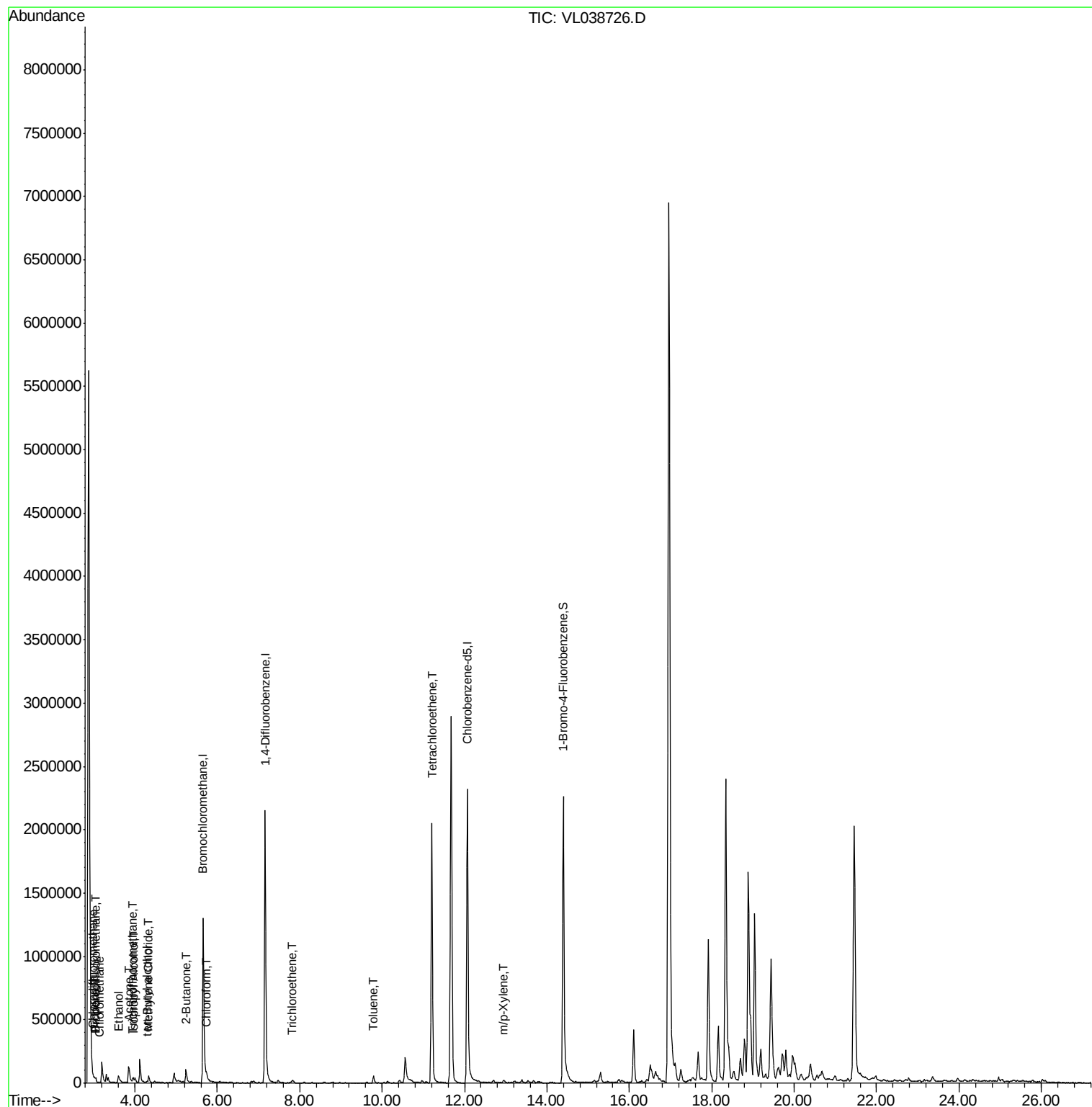
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038726.D
Acq On : 23 Mar 2022 21:51
Operator : SY/AP
Sample : N2047-04
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

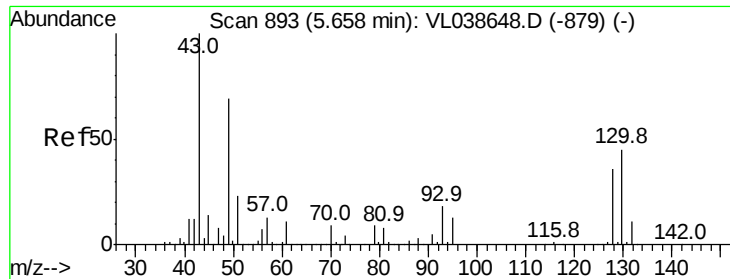
Instrument :
MSVOA_L
ClientSampleId :
C0PA2

Manual Integrations
APPROVED

Quant Time: Mar 27 16:13:36 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 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.:

Lab File: ClientSampleId:

Acq: 23 Mar 2022 21:51

Tgt Ion:

Ion Ratio

49 100

128 57.

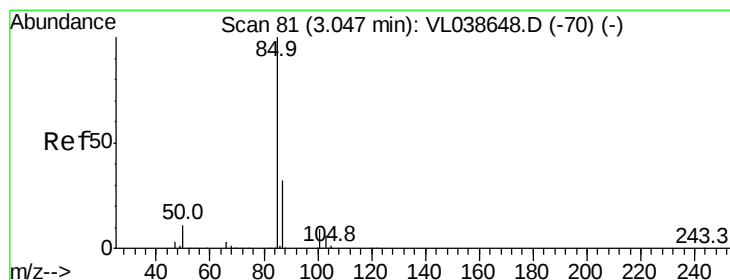
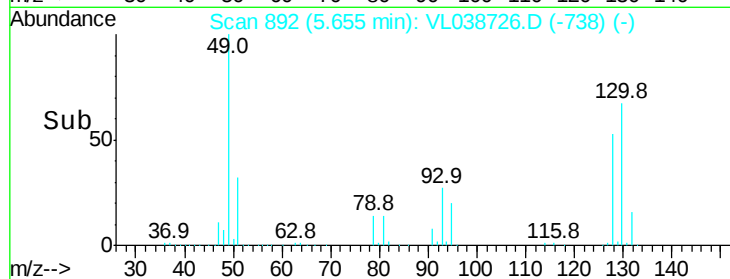
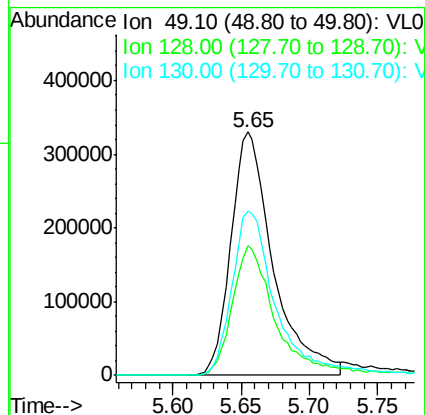
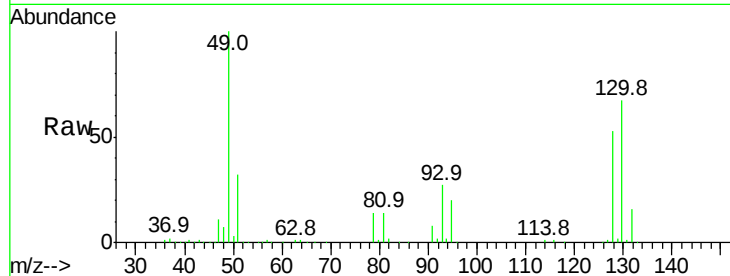
130 72.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#2

Dichlorodifluoromethane

Concen: 0.26 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038726.D

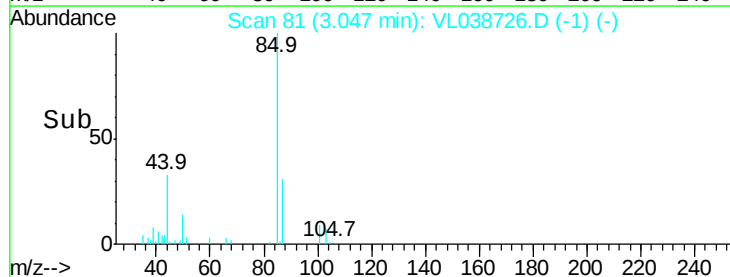
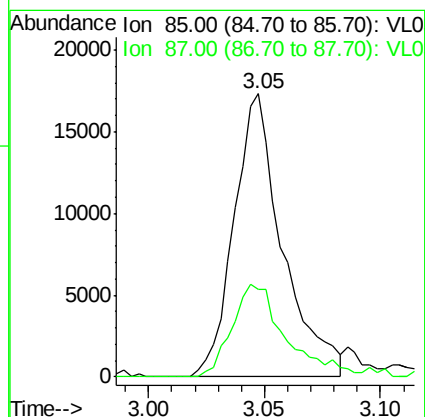
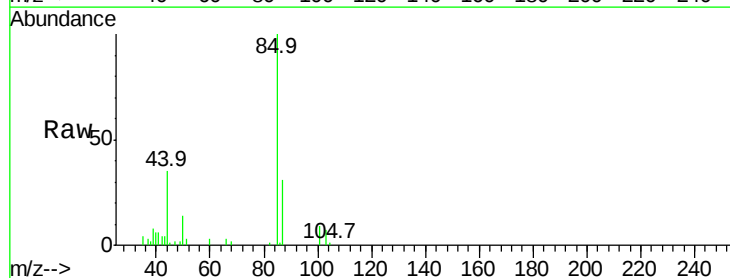
Acq: 23 Mar 2022 21:51

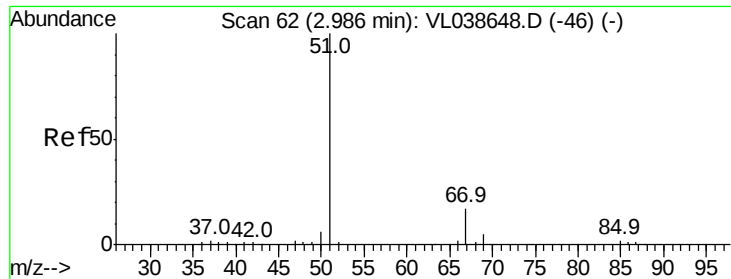
Tgt Ion: 85 Resp: 25176

Ion Ratio Lower Upper

85 100

87 30.7 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.32 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: COPA2

Acq: 23 Mar 2022 21:51

Tgt Ion:

Ion Ratio

51 100

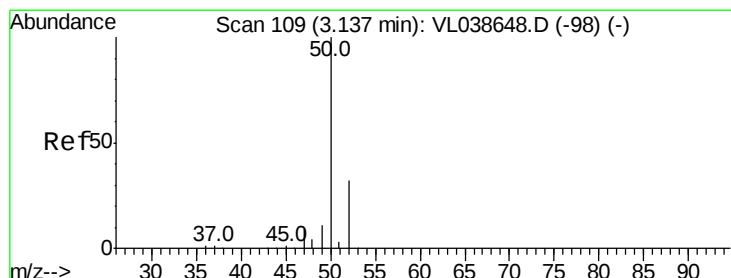
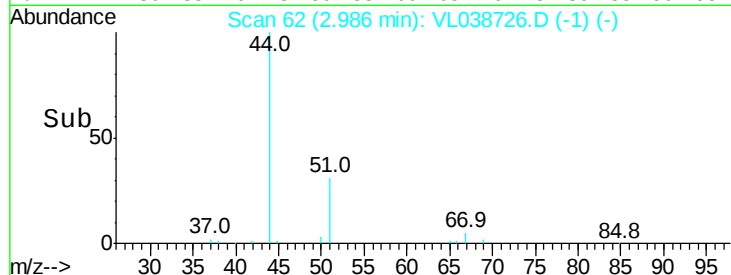
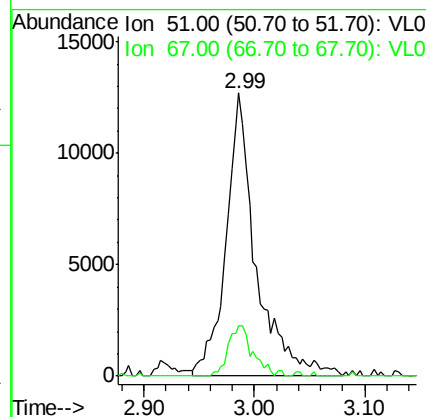
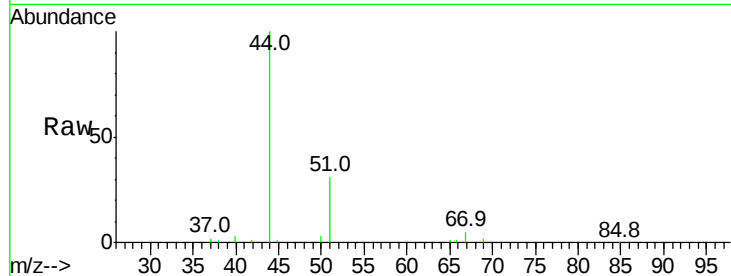
67 15.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#4

Chloromethane

Concen: 0.10 ppbv m

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL038726.D

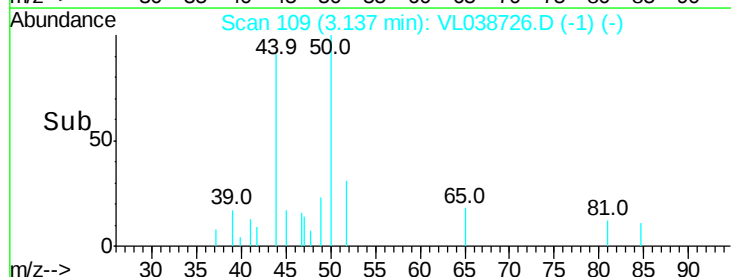
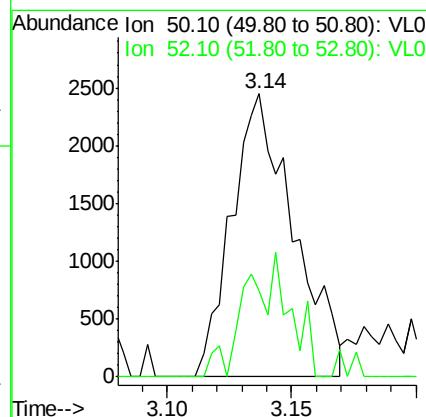
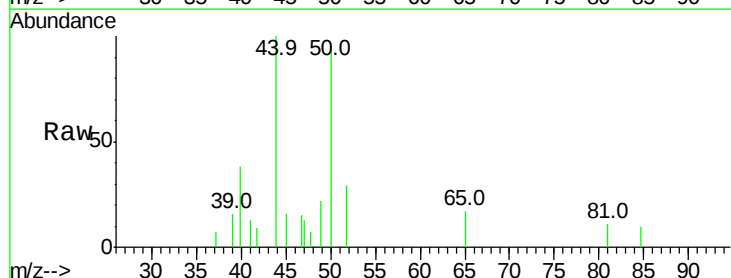
Acq: 23 Mar 2022 21:51

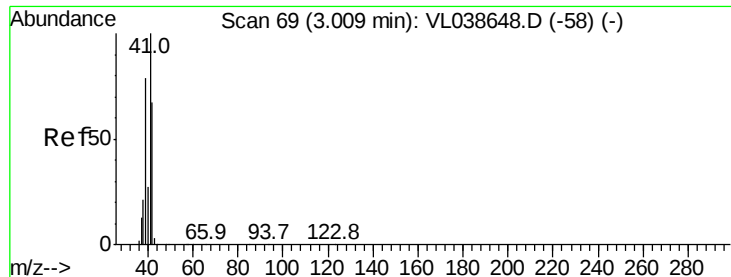
Tgt Ion: 50 Resp: 4229

Ion Ratio Lower Upper

50 100

52 30.6 25.5 38.3





#9

Propene

Concen: 0.35 ppbv m

RT: 3.02 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 21:51

Tgt Ion:

Ion Ratio

41 100

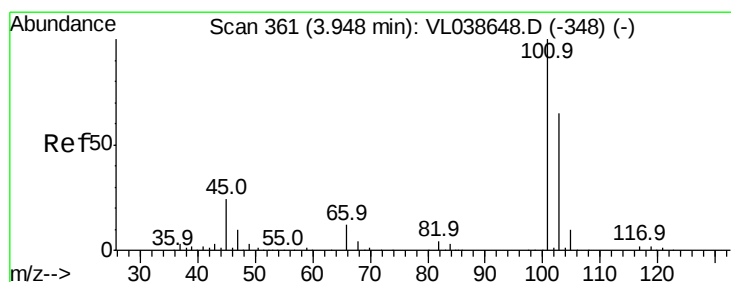
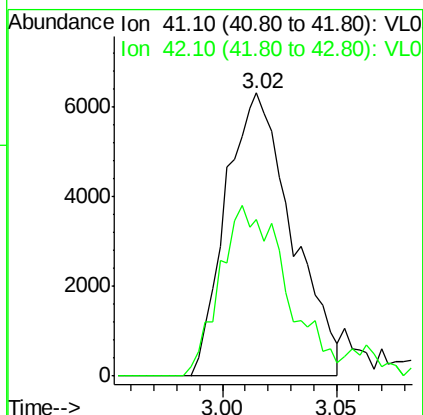
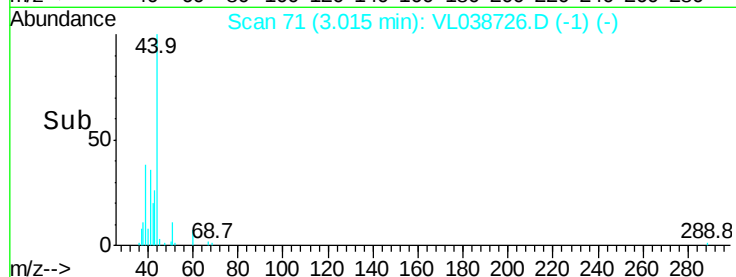
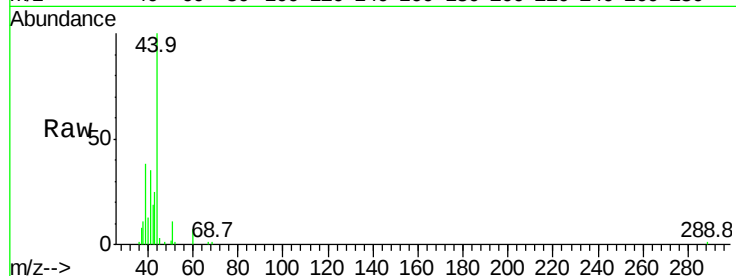
42 65.

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#11

Trichlorofluoromethane

Concen: 0.27 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL038726.D

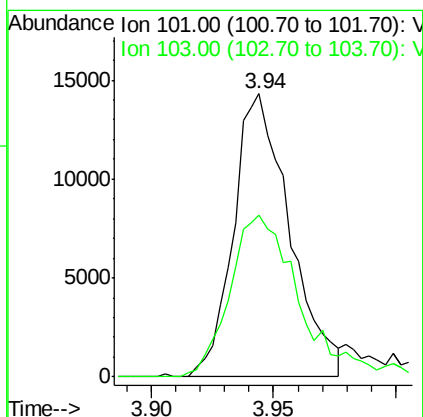
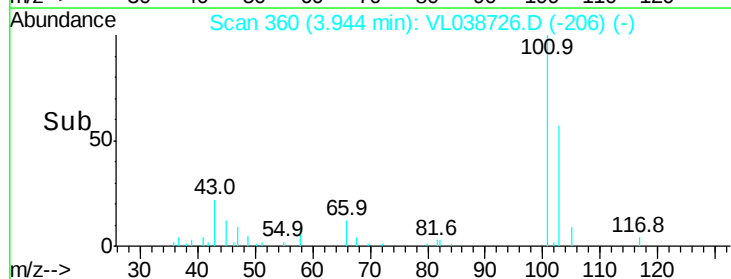
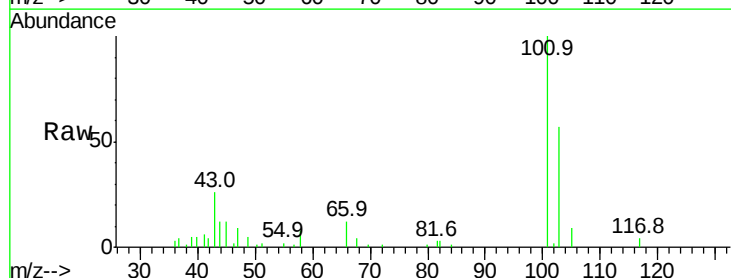
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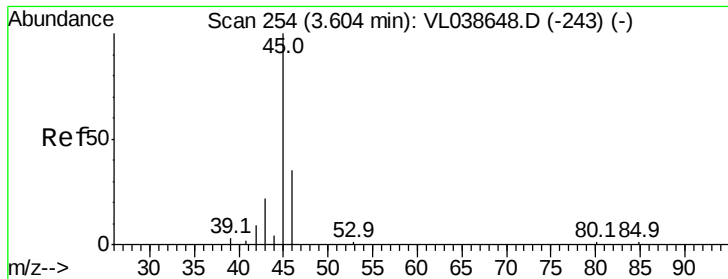
Tgt Ion:101 Resp: 22896

Ion Ratio Lower Upper

101 100

103 55.4 51.9 77.9



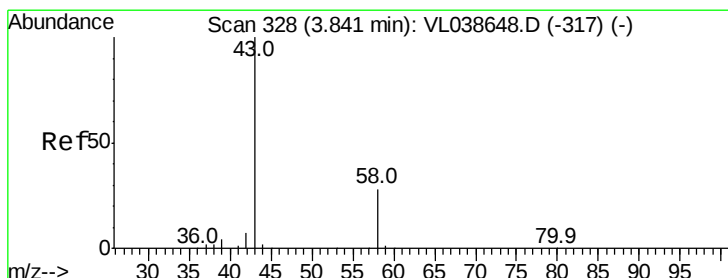
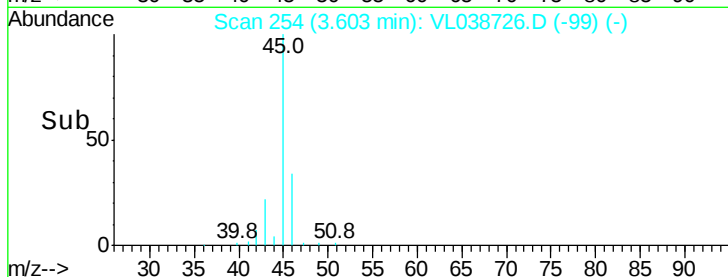
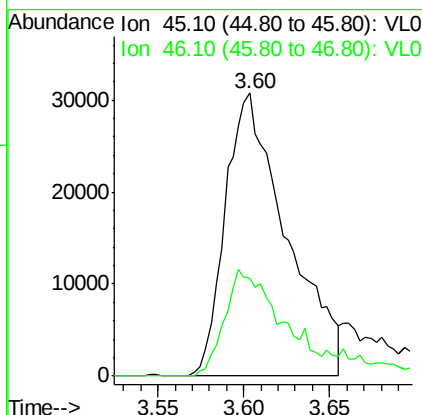
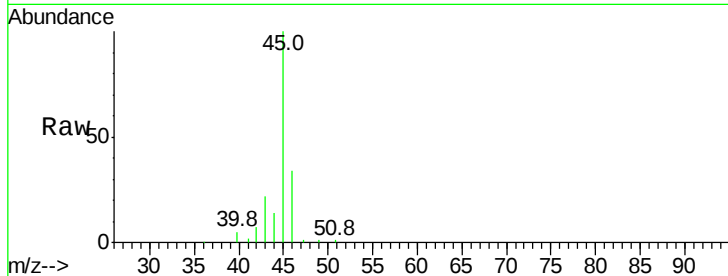


#13
Ethanol
Concen: 19.14 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 21:51

Tgt Ion:
Ion Ratio
45 100
46 45.

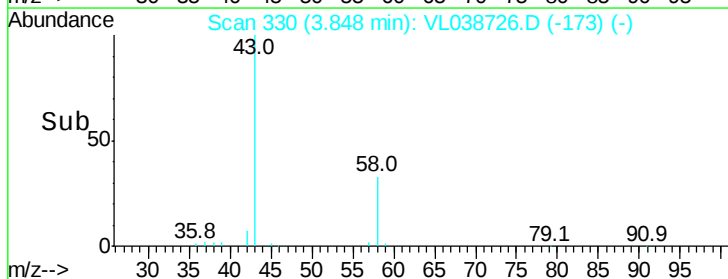
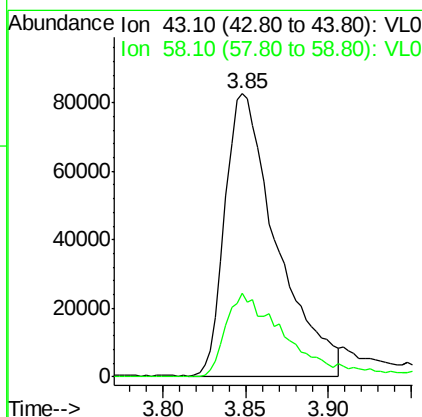
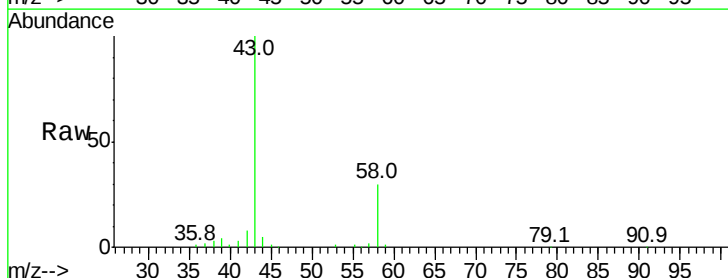
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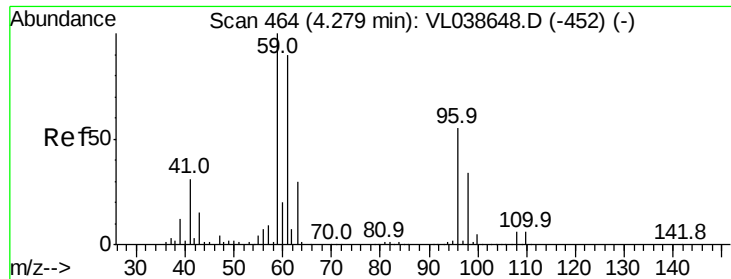
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#15
Acetone
Concen: 2.92 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL038726.D
Acq: 23 Mar 2022 21:51

Tgt Ion: 43 Resp: 178921
Ion Ratio Lower Upper
43 100
58 36.5 23.3 34.9#



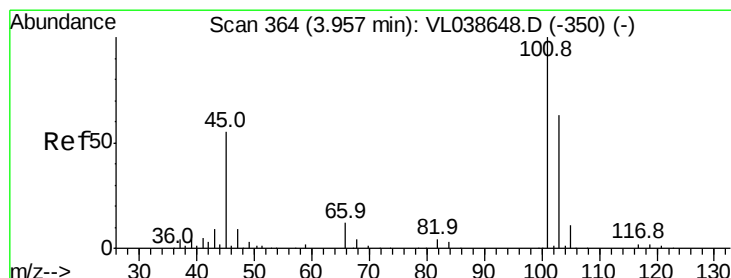
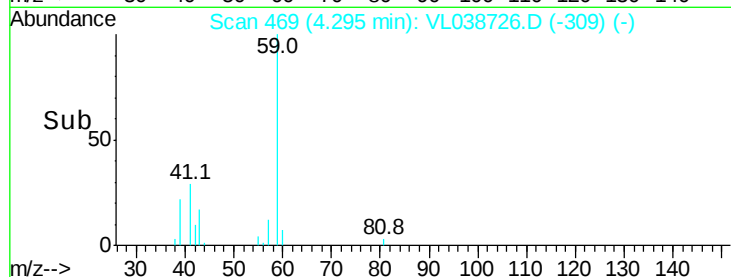
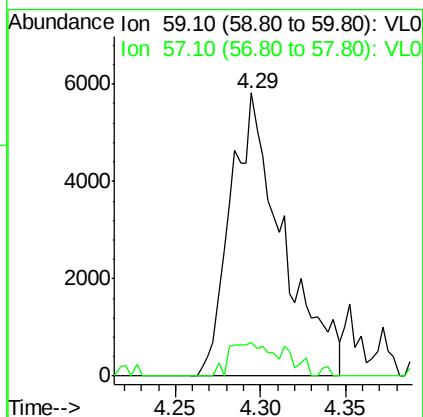
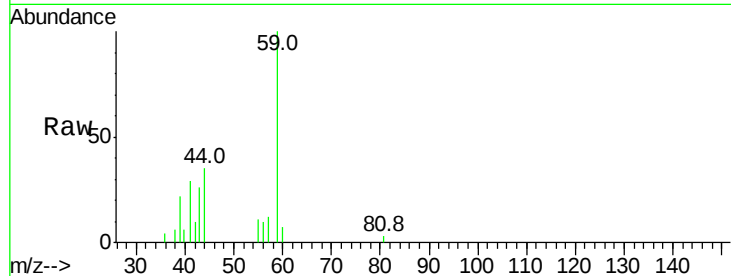


#17
 tert-Butyl alcohol
 Concen: 0.23 ppbv m
 RT: 4.29
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 C0PA2
 Acq: 23 Mar 2022 21:51

Tgt Ion:
 Ion Ratio
 59 100
 57 0.

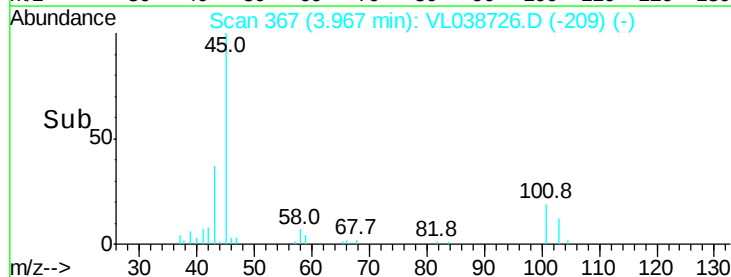
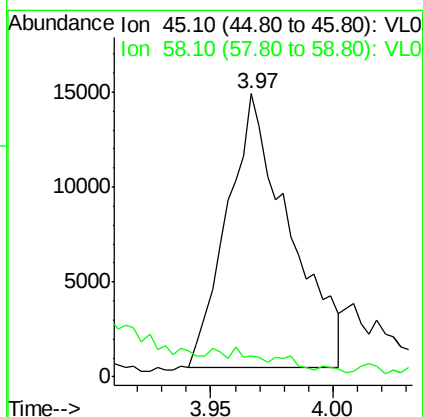
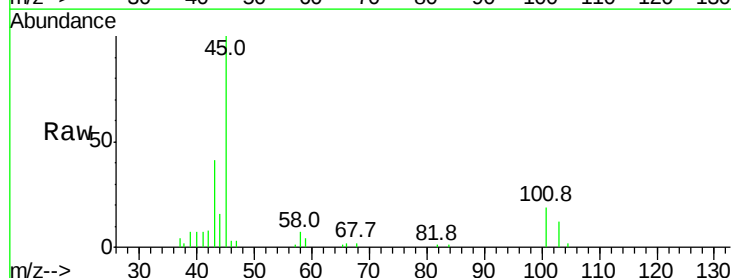
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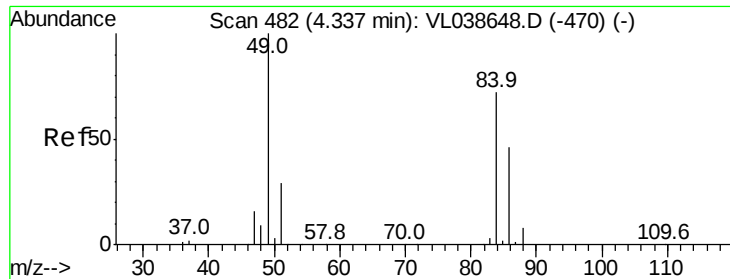
Reviewed By :Semsettin Yesilyurt 03/24/2022
 Supervised By :Mahesh Dadoda 03/28/2022



#19
 Isopropyl Alcohol
 Concen: 0.75 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VL038726.D
 Acq: 23 Mar 2022 21:51

Tgt Ion: 45 Resp: 25403
 Ion Ratio Lower Upper
 45 100
 58 257.0 2.3 3.5#



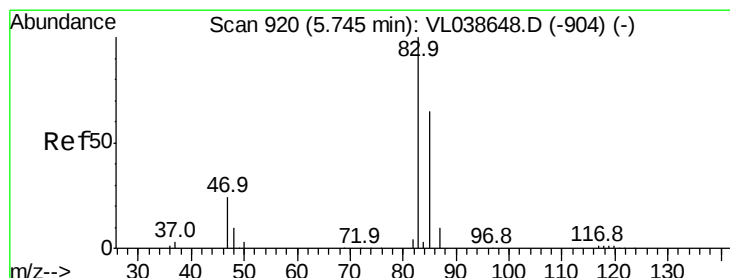
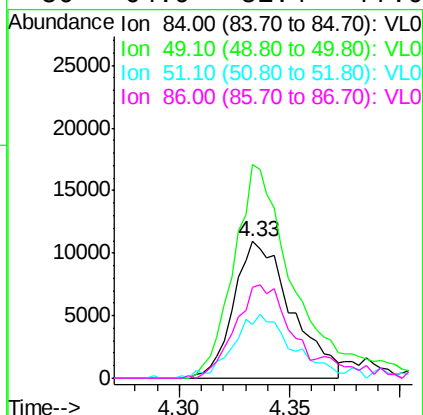
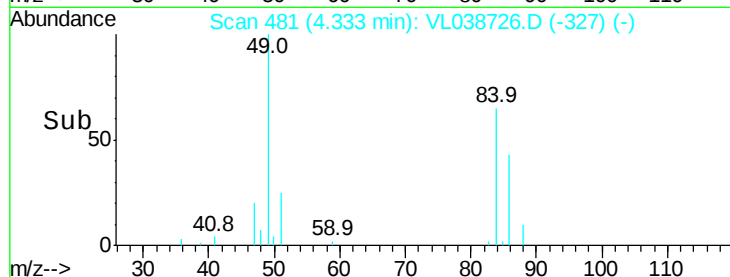
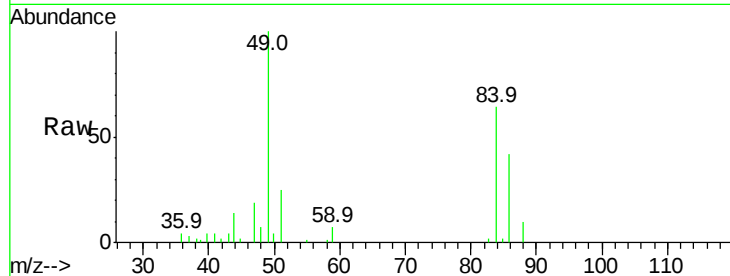


#20
Methylene Chloride
Concen: 0.77 ppbv
RT: 4.33
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 21:51

Tgt Ion:
Ion Ratio
84 100
49 156.
51 39.
86 64.9 51.4 77.0

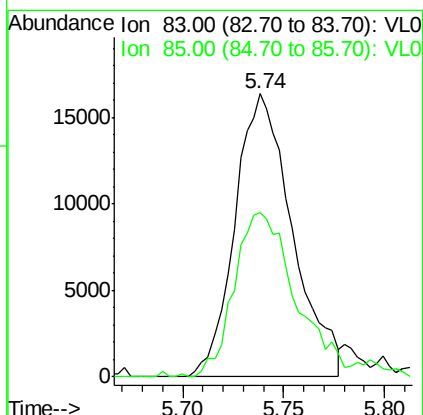
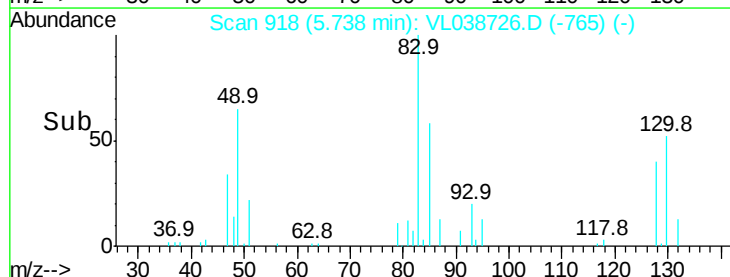
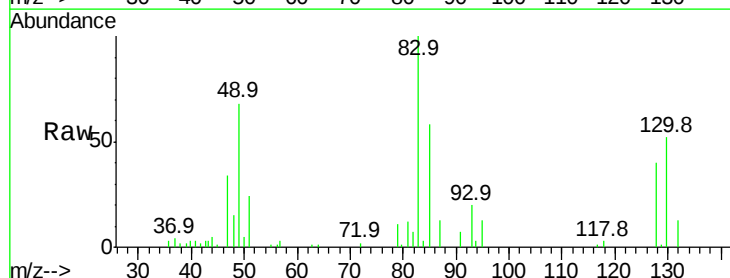
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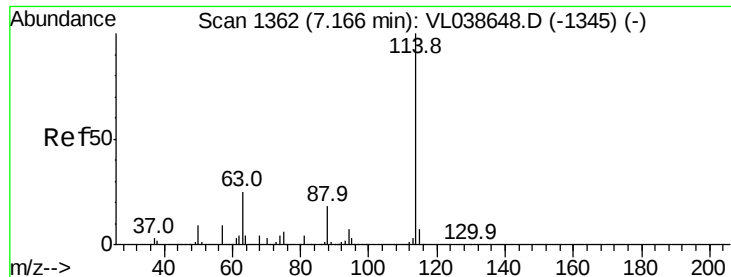
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#29
Chloroform
Concen: 0.29 ppbv
RT: 5.74 min Scan# 918
Delta R.T.: -0.01 min
Lab File: VL038726.D
Acq: 23 Mar 2022 21:51

Tgt Ion: 83 Resp: 32570
Ion Ratio Lower Upper
83 100
85 58.1 51.7 77.5



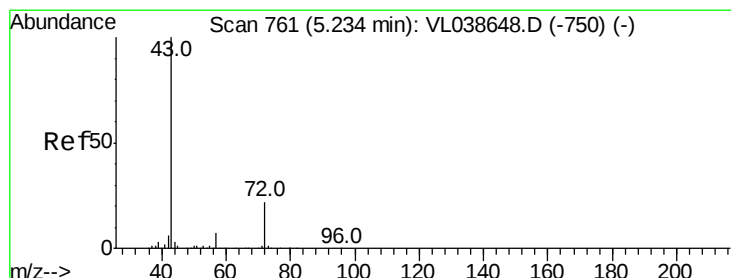
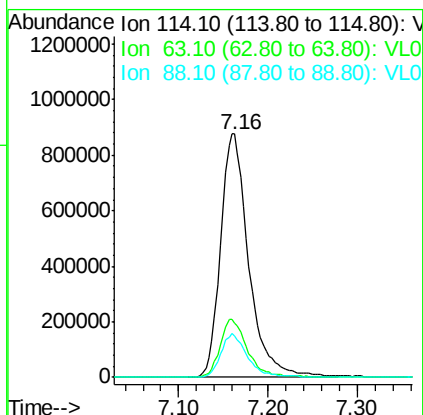
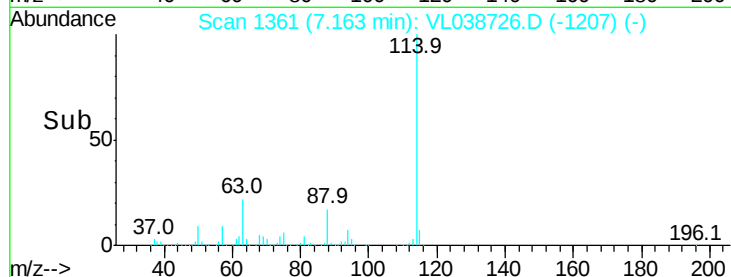
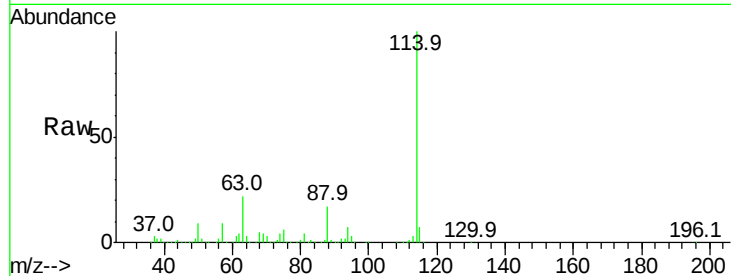


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.16
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 COPA2
 Acq: 23 Mar 2022 21:51

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

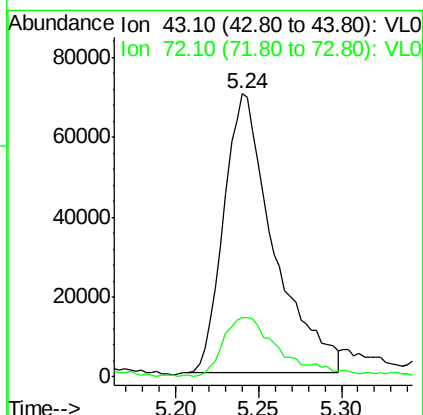
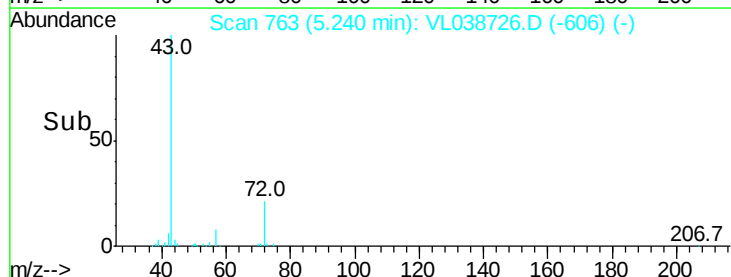
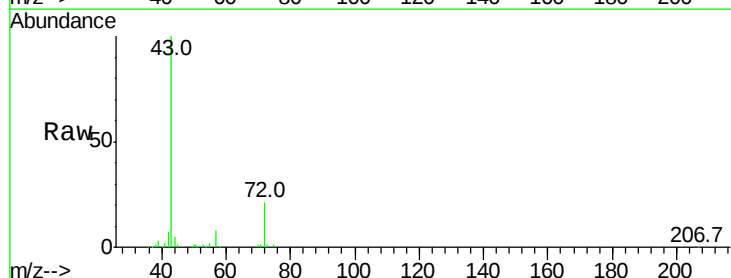
Manual Integrations
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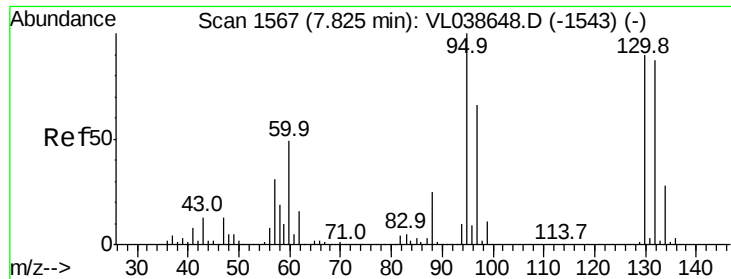
Reviewed By : Semsettin Yesilyurt 03/24/2022
 Supervised By : Mahesh Dadoda 03/28/2022



#34
 2-Butanone
 Concen: 1.93 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T.: 0.01 min
 Lab File: VL038726.D
 Acq: 23 Mar 2022 21:51

Tgt Ion: 43 Resp: 146751
 Ion Ratio Lower Upper
 43 100
 72 24.7 17.8 26.8





#38

Trichloroethene

Concen: 0.12 ppbv m

RT: 7.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 21:51 COPA2

Tgt Ion:1

Ion Ratio

130 100

95 103.

132 82.

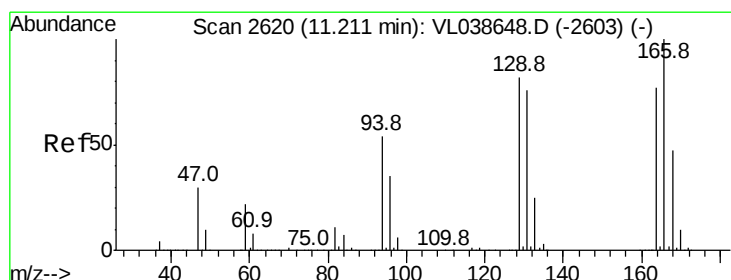
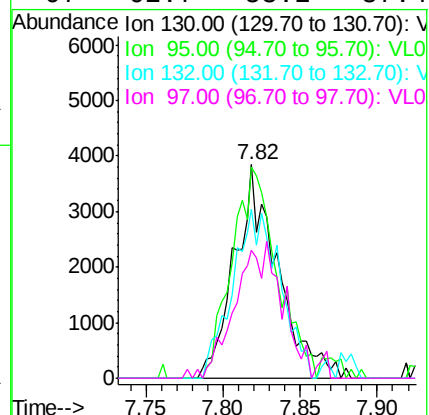
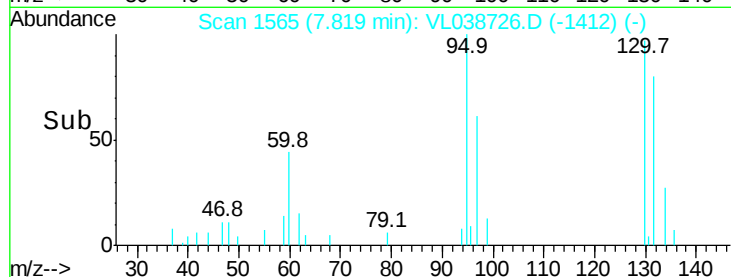
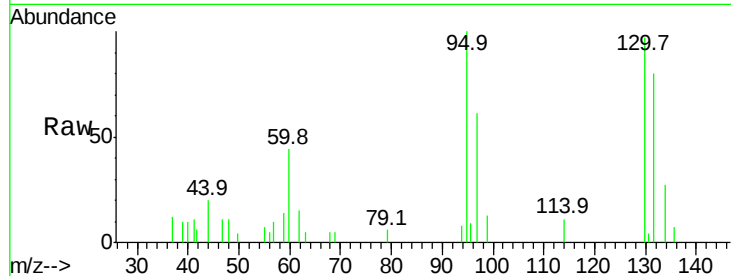
97 62.7 58.2 87.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#52

Tetrachloroethene

Concen: 10.55 ppbv

RT: 11.21 min Scan# 2620

Delta R.T. -0.00 min

Lab File: VL038726.D

Acq: 23 Mar 2022 21:51

Tgt Ion:164 Resp: 571223

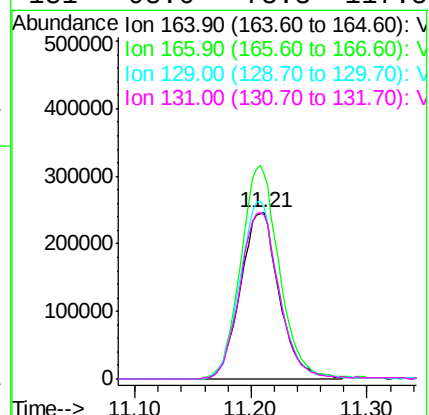
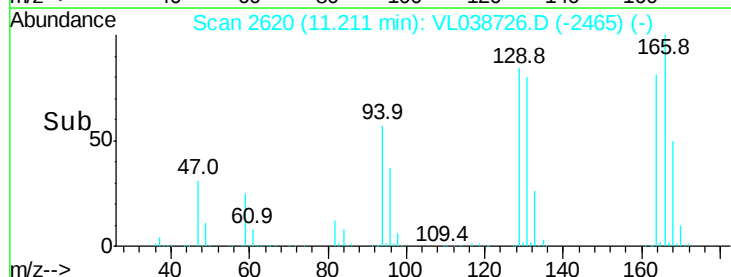
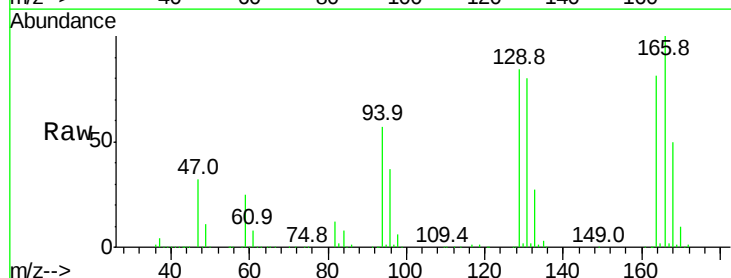
Ion Ratio Lower Upper

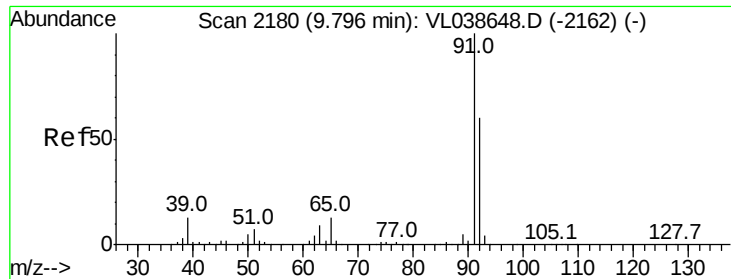
164 100

166 123.5 103.3 154.9

129 103.6 85.2 127.8

131 98.6 78.3 117.5





#53

Toluene

Concen: 0.30 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 21:51

Tgt Ion:

Ion Ratio

91 100

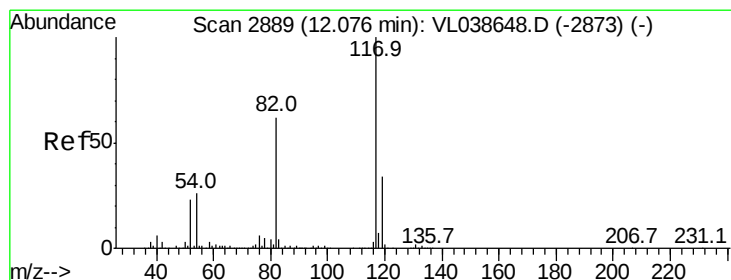
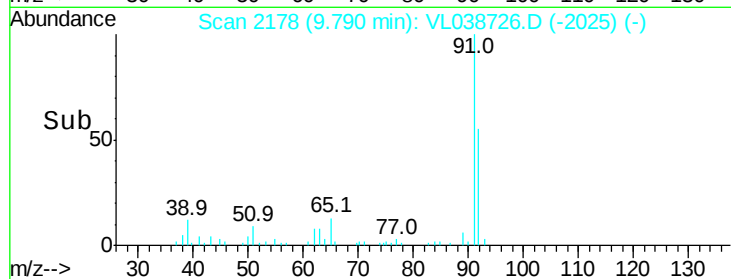
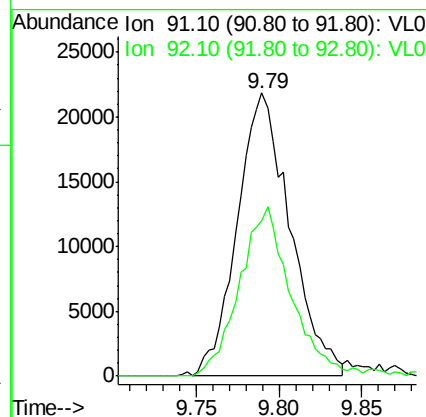
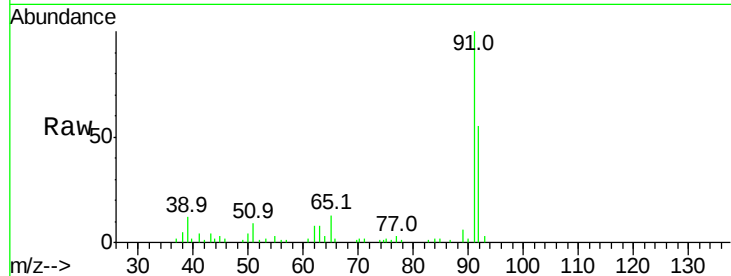
92 58.

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# 2886

Delta R.T. -0.01 min

Lab File: VL038726.D

Acq: 23 Mar 2022 21:51

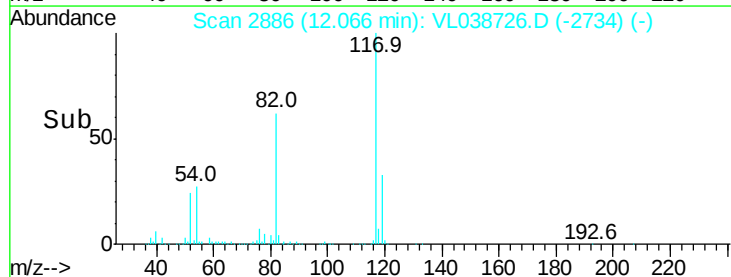
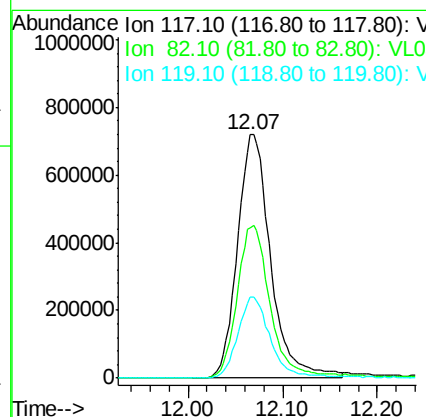
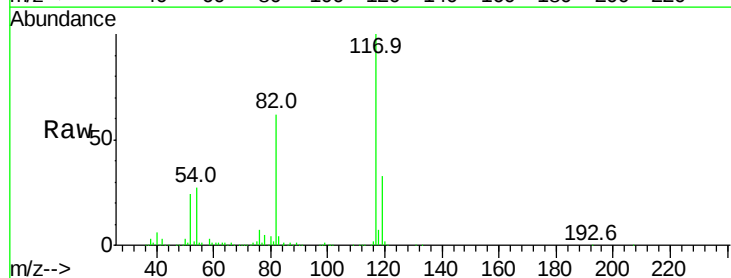
Tgt Ion:117 Resp: 1754447

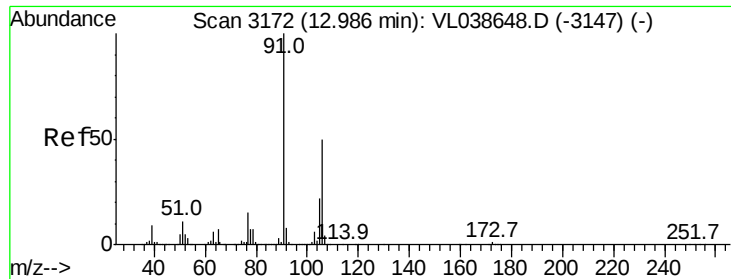
Ion Ratio Lower Upper

117 100

82 64.9 51.6 77.4

119 33.8 26.9 40.3



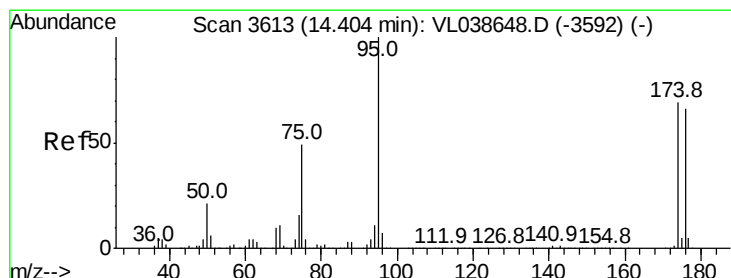
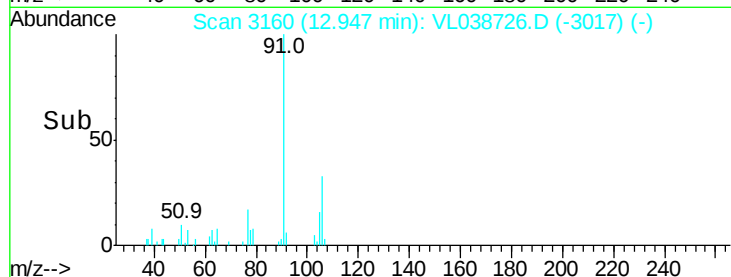
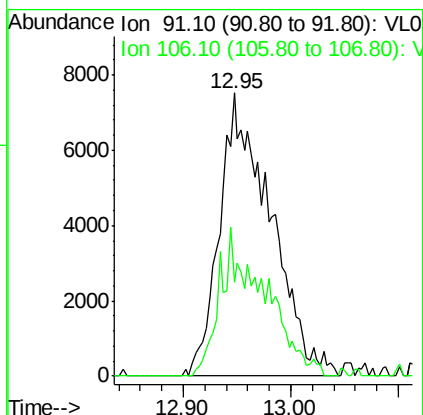
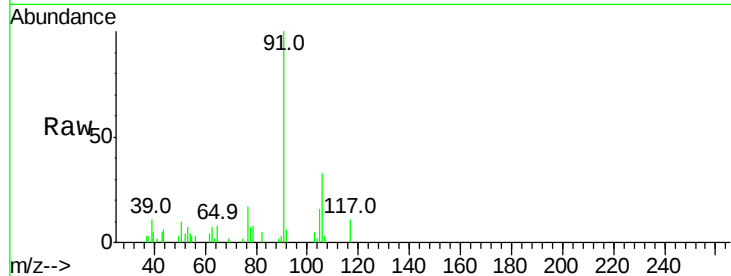


#59
m/p-Xylene
Concen: 0.14 ppbv m
RT: 12.95
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 23 Mar 2022 21:51

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: 9.41 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.01 min
Lab File: VL038726.D
Acq: 23 Mar 2022 21:51

Tgt Ion: 95 Resp: 1266144
Ion Ratio Lower Upper
95 100
174 71.4 56.1 84.1
175 5.1 4.2 6.2

