

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032422\
 Data File : VL038755.D
 Acq On : 24 Mar 2022 19:38
 Operator : SY/AP
 Sample : N2078-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-2

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/26/2022
 Supervised By : Mahesh Dadoda 03/28/2022

Quant Time: Mar 25 02:27:34 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	5.68	49	665486	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	1801385	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	1535901	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1164248	9.89	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	22749	0.25	ppbv	100
3) Chlorodifluoromethane	3.00	51	26154	0.37	ppbv	95
4) Chloromethane	3.15	50	24258	0.63	ppbv #	89
9) Propene	3.03	41	19676	0.58	ppbv	87
11) Trichlorofluoromethane	3.97	101	28085	0.36	ppbv	85
13) Ethanol	3.62	45	136817	36.55	ppbv	96
15) Acetone	3.86	43	405065	7.05	ppbv	99
19) Isopropyl Alcohol	3.99	45	35069m	1.10	ppbv	
20) Methylene Chloride	4.36	84	135785	5.61	ppbv	99
26) Hexane	5.70	57	87206	1.35	ppbv #	48
34) 2-Butanone	5.27	43	47198	0.66	ppbv #	89
35) Carbon Tetrachloride	7.03	117	7731m	0.07	ppbv	
36) Benzene	6.90	78	19800	0.14	ppbv	97
52) Tetrachloroethene	11.23	164	14393m	0.28	ppbv	
53) Toluene	9.82	91	80102	0.54	ppbv	98

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

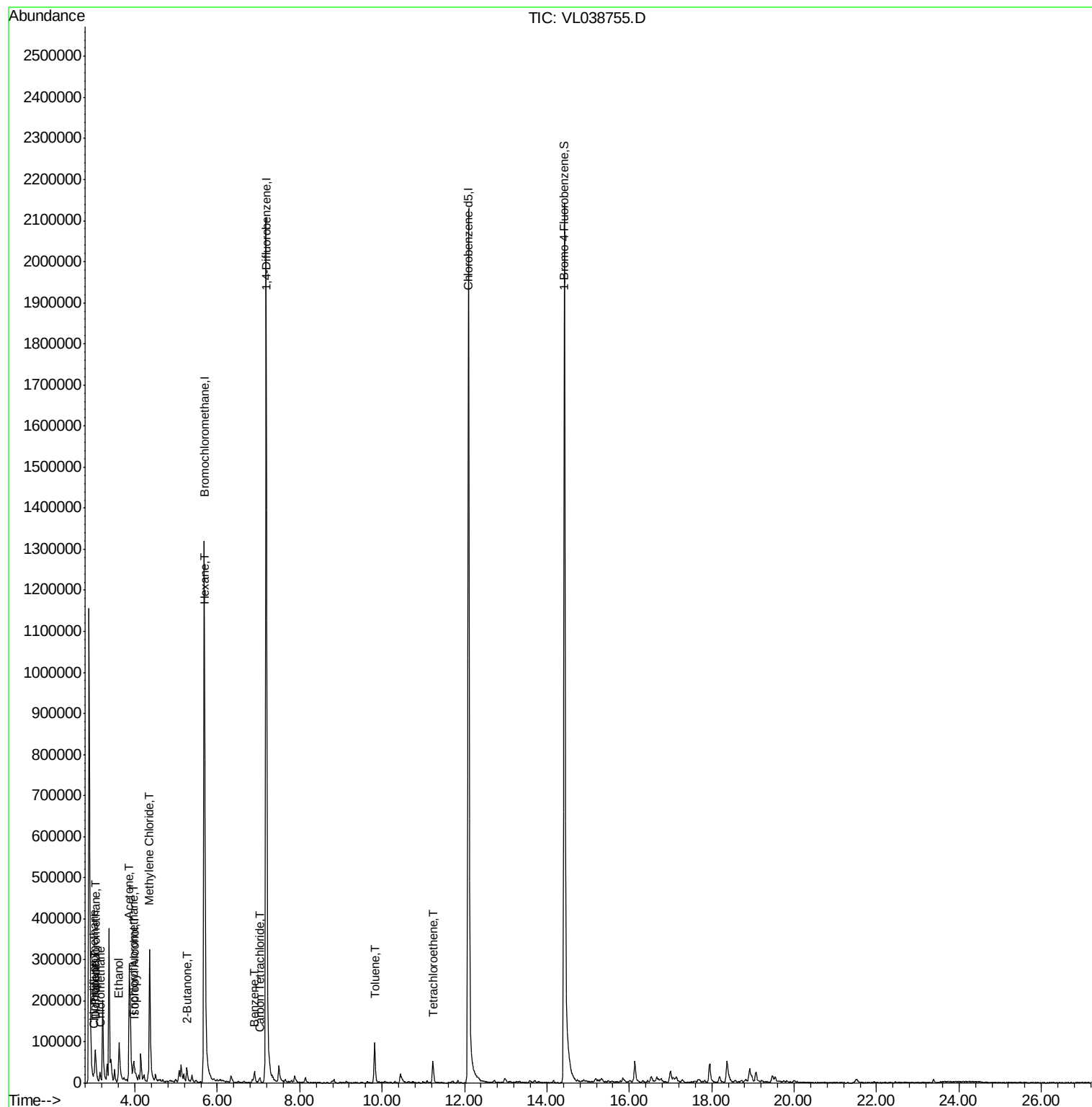
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL032422\
Data File : VL038755.D
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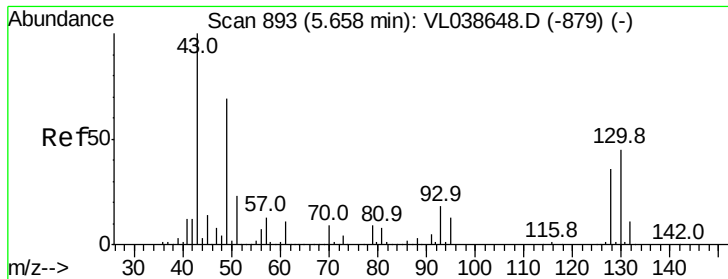
Instrument :
MSVOA_L
ClientSampleId :
V-2

Quant Time: Mar 25 02:27:34 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

Reviewed By :Semsettin Yesilyurt 03/26/2022
Supervised By :Mahesh Dadoda 03/28/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.68 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 19:38

Tgt Ion:

Ion Ratio

49 100

128 56.

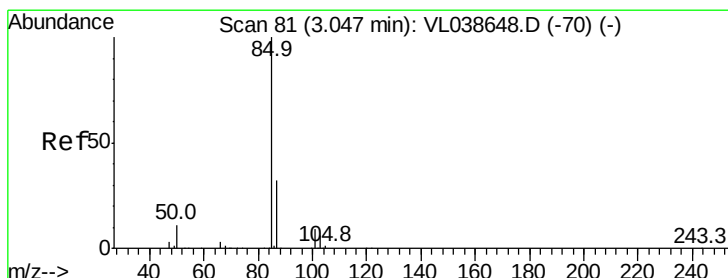
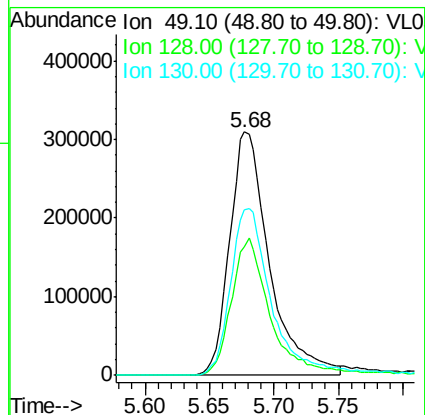
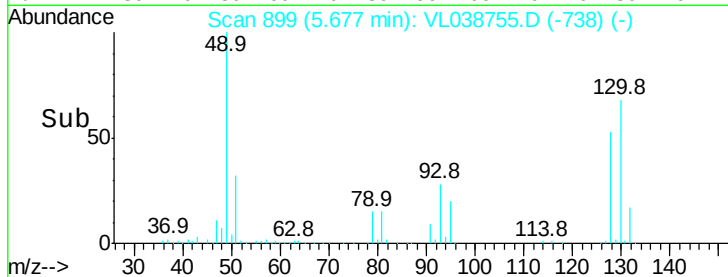
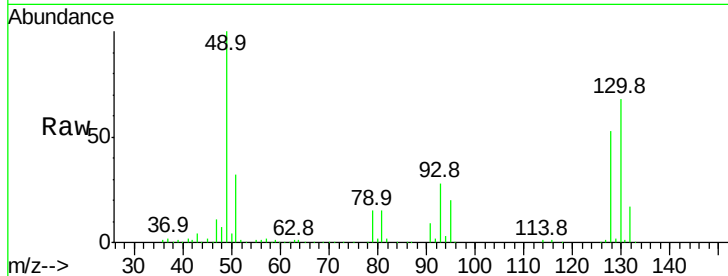
130 72.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#2

Dichlorodifluoromethane

Concen: 0.25 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL038755.D

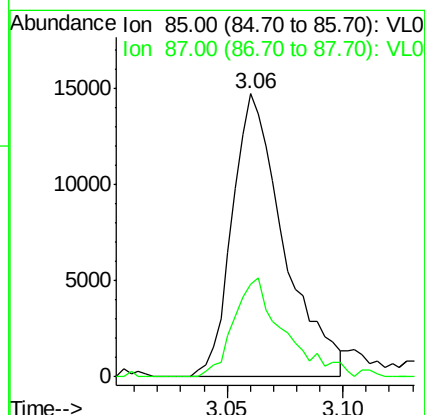
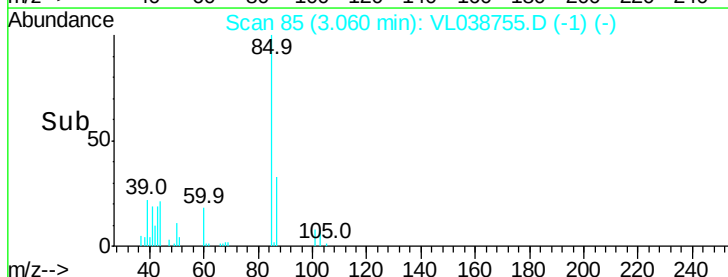
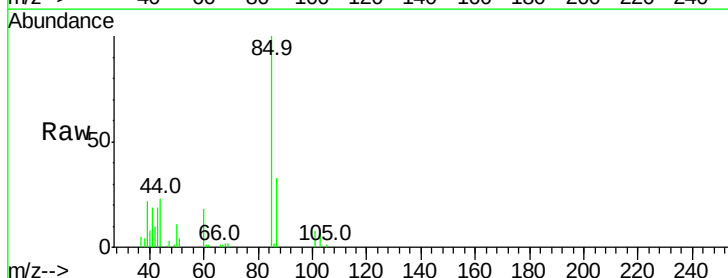
Acq: 24 Mar 2022 19:38

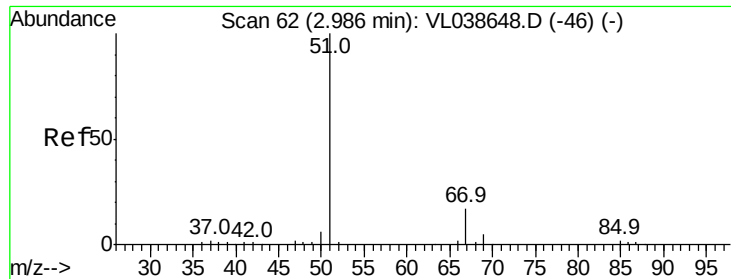
Tgt Ion: 85 Resp: 22749

Ion Ratio Lower Upper

85 100

87 32.6 26.0 39.0





#3

Chlorodifluoromethane

Concen: 0.37 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 19:38

Tgt Ion:

Ion Ratio

51 100

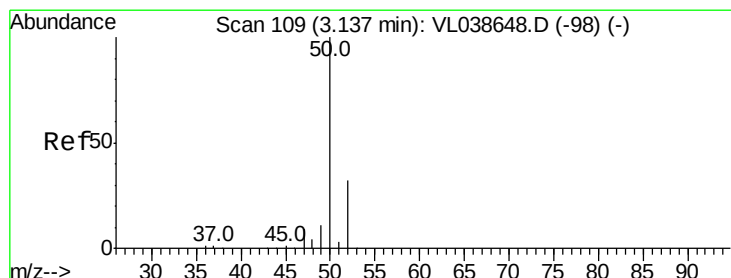
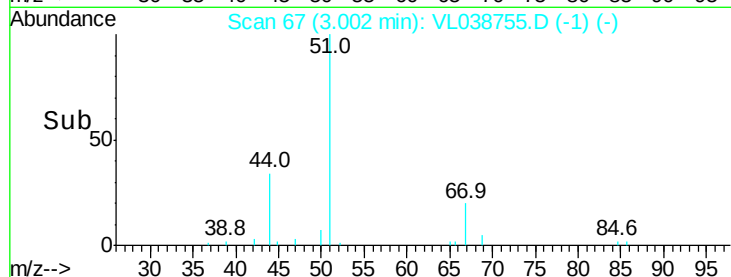
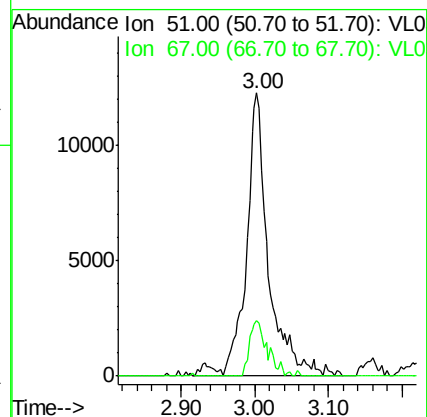
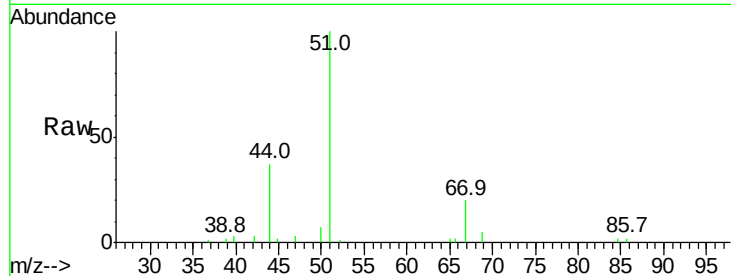
67 15.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#4

Chloromethane

Concen: 0.63 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.02 min

Lab File: VL038755.D

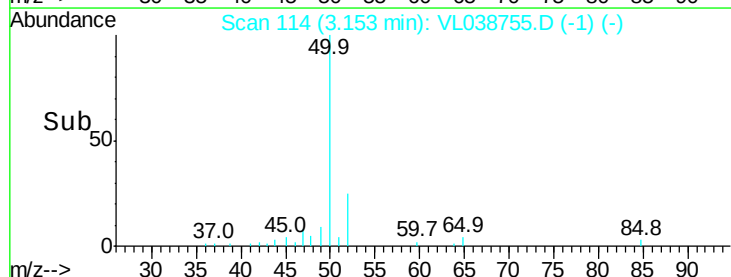
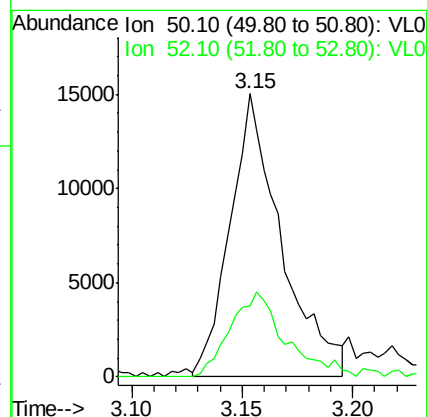
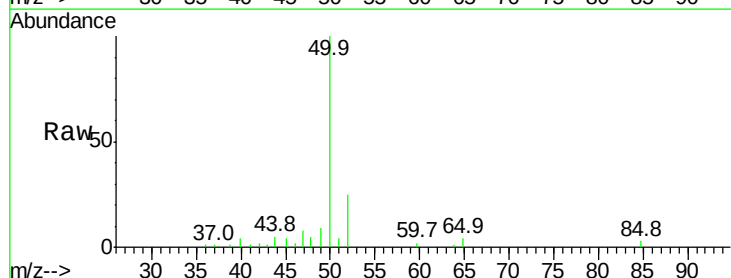
Acq: 24 Mar 2022 19:38

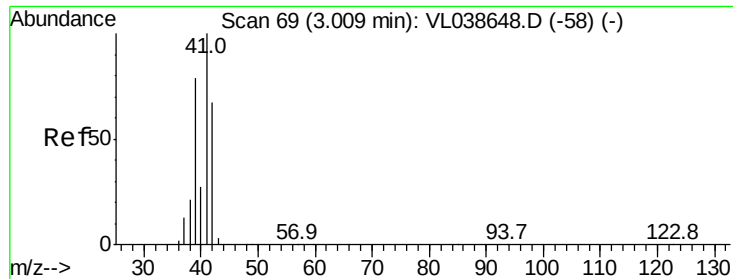
Tgt Ion: 50 Resp: 24258

Ion Ratio Lower Upper

50 100

52 25.5 25.5 38.3#





#9

Propene

Concen: 0.58 ppbv

RT: 3.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 19:38

Tgt Ion:

Ion Ratio

41 100

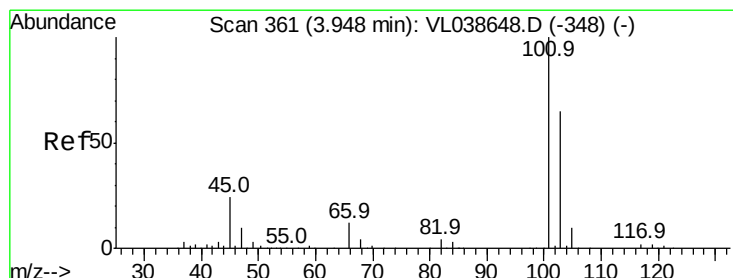
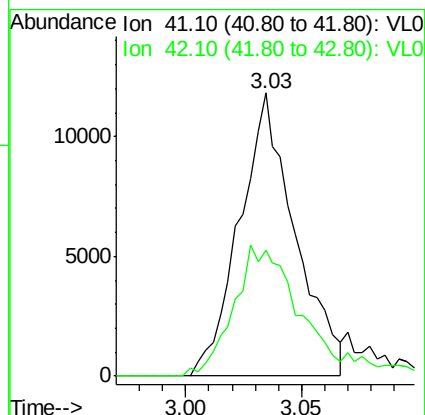
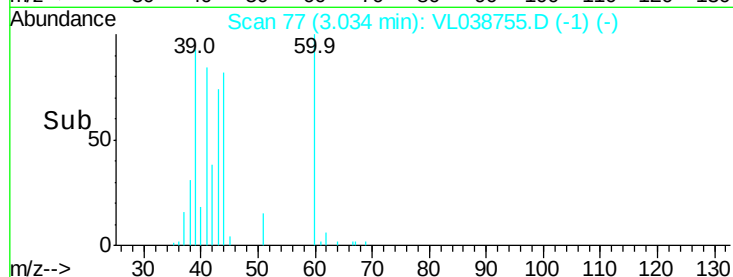
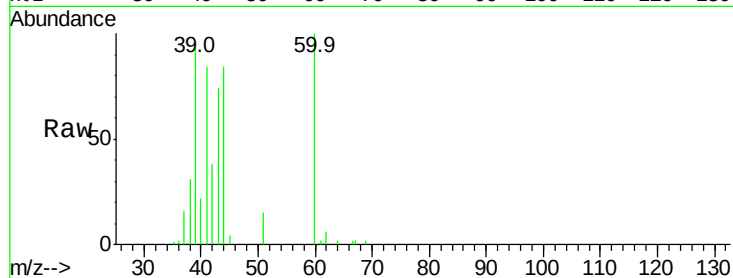
42 59.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#11

Trichlorofluoromethane

Concen: 0.36 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.02 min

Lab File: VL038755.D

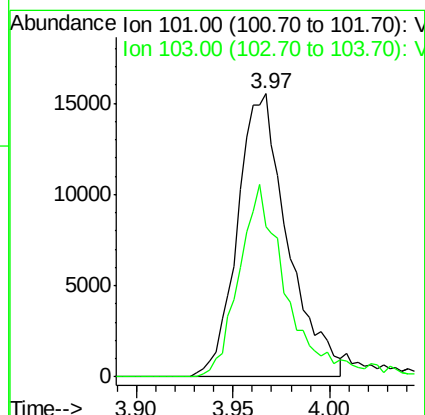
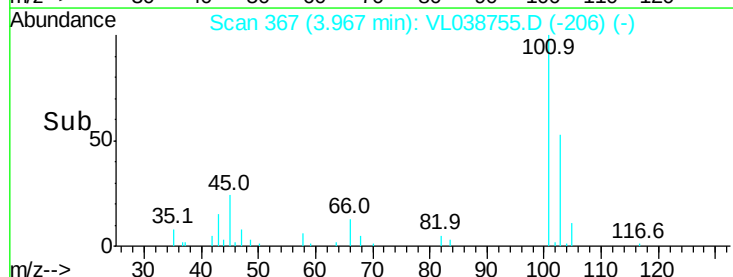
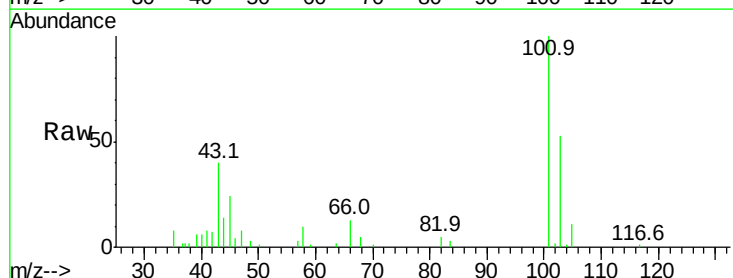
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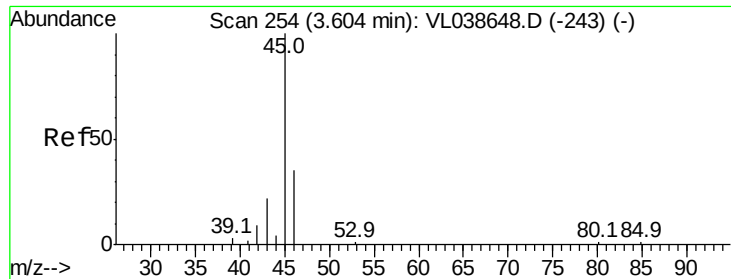
Tgt Ion:101 Resp: 28085

Ion Ratio Lower Upper

101 100

103 53.0 51.9 77.9



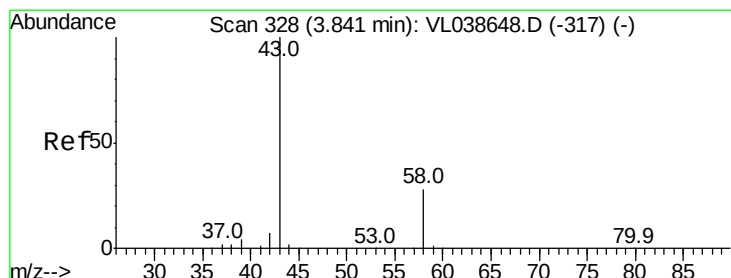
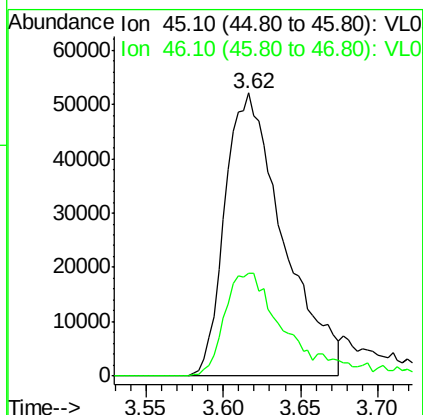
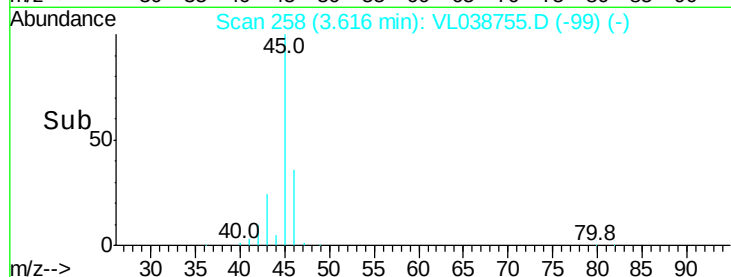
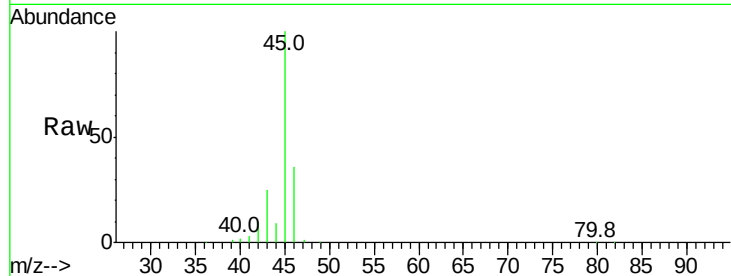


#13
Ethanol
Concen: 36.55 ppbv
RT: 3.62
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Mar 2022 19:38

Tgt Ion:
Ion Ratio
45 100
46 40.

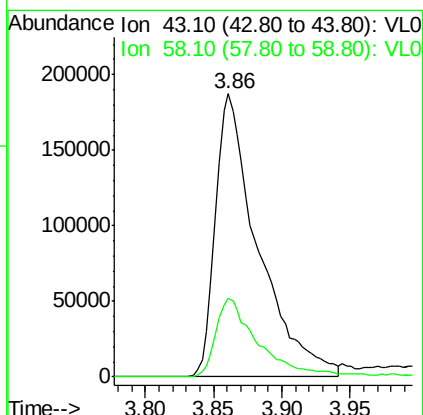
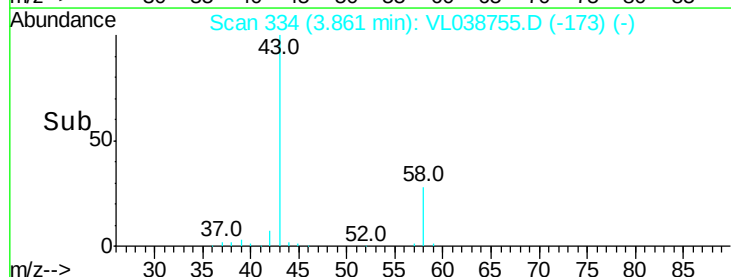
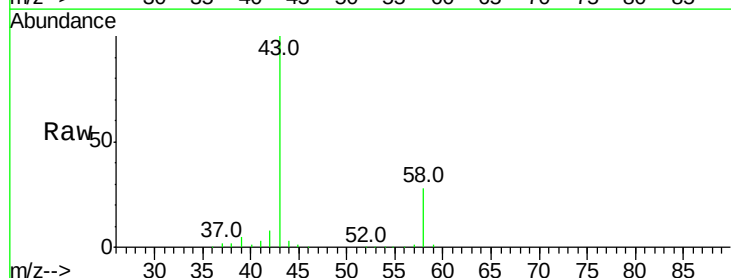
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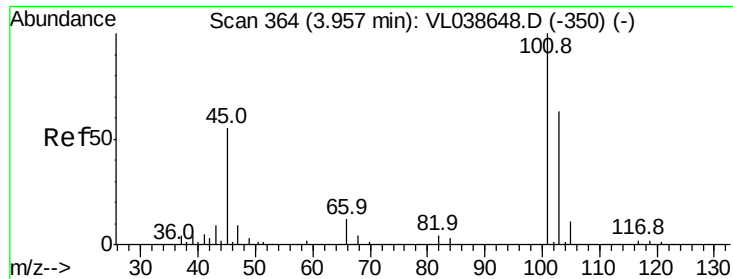
Reviewed By :Semsettin Yesilyurt 03/26/2022
Supervised By :Mahesh Dadoda 03/28/2022



#15
Acetone
Concen: 7.05 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.02 min
Lab File: VL038755.D
Acq: 24 Mar 2022 19:38

Tgt Ion: 43 Resp: 405065
Ion Ratio Lower Upper
43 100
58 29.5 23.3 34.9





#19

Isopropyl Alcohol

Concen: 1.10 ppbv m

RT: 3.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2022 19:38

Tgt Ion:

Ion Ratio

45 100

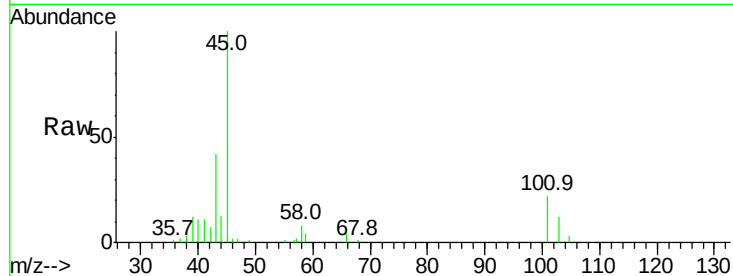
58 0.

Manual Integrations

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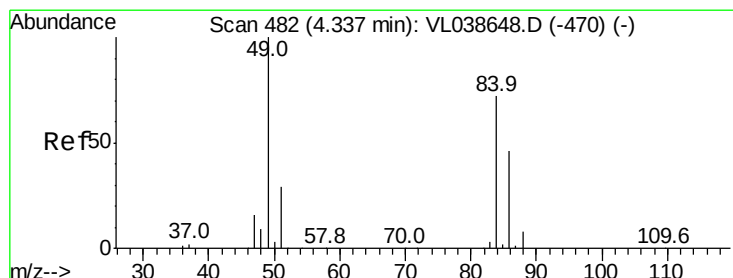
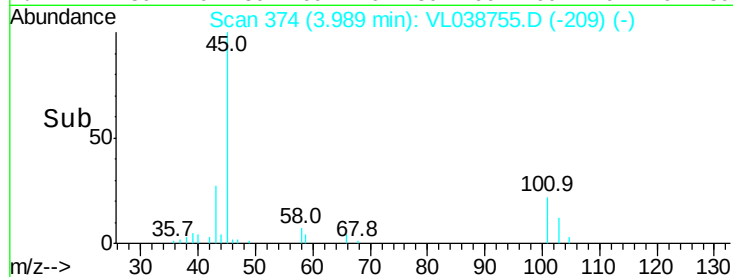
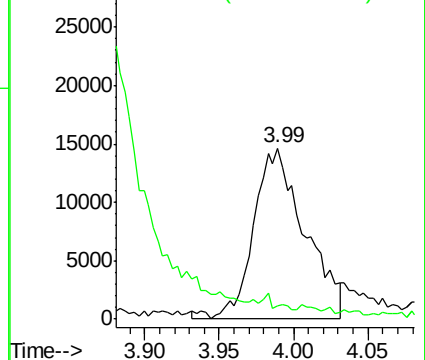
Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 5.61 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.02 min

Lab File: VL038755.D

Acq: 24 Mar 2022 19:38

Tgt Ion: 84 Resp: 135785

Ion Ratio Lower Upper

84 100

49 138.2 111.2 166.8

51 43.9 32.8 49.2

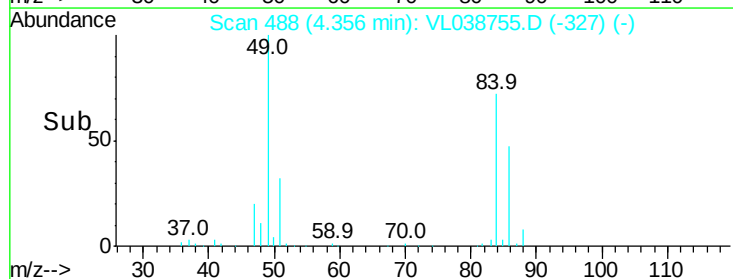
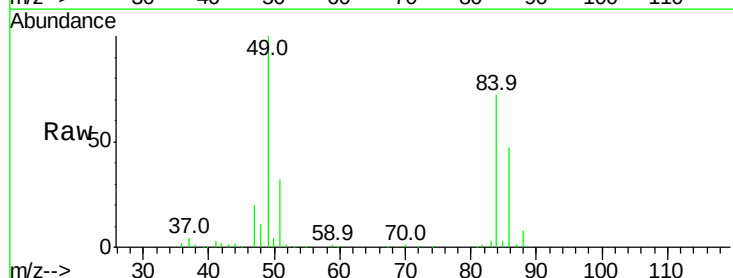
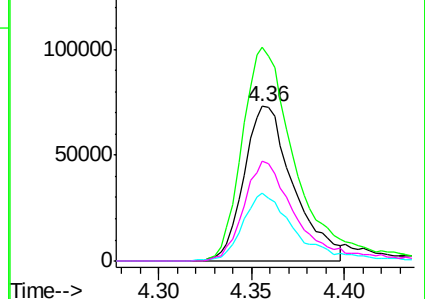
86 64.6 51.4 77.0

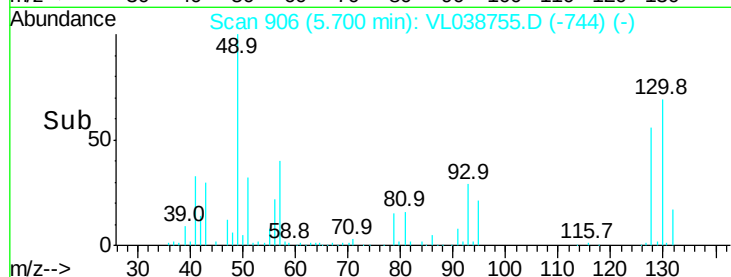
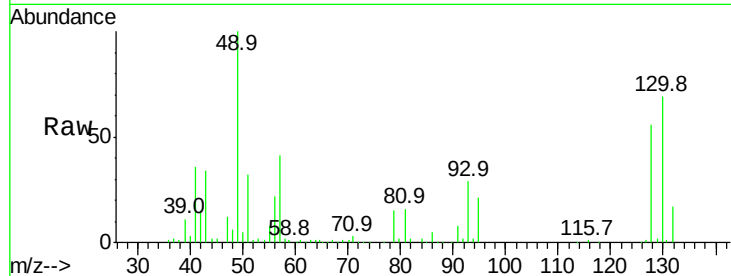
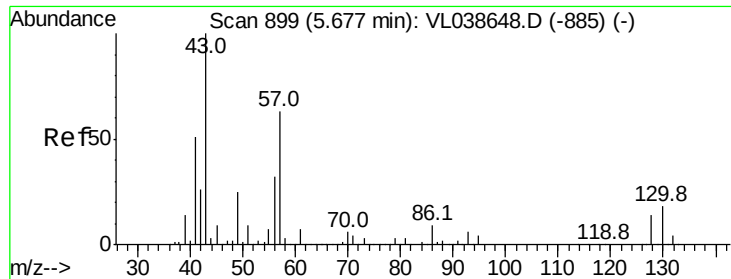
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



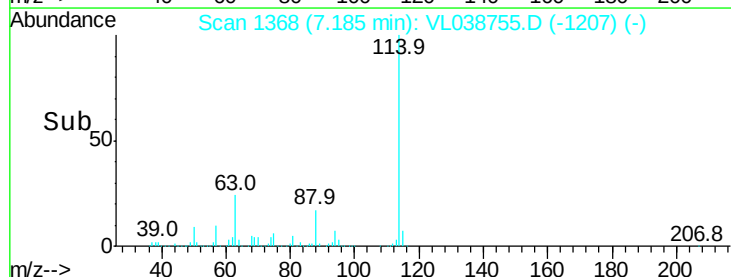
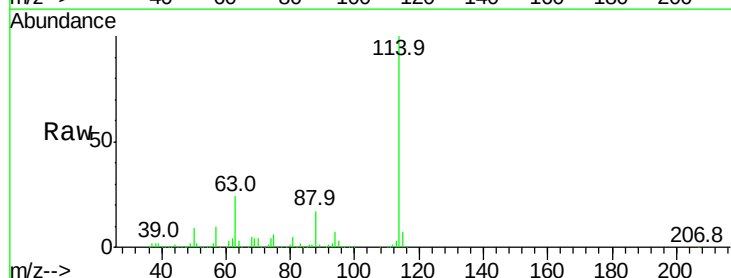
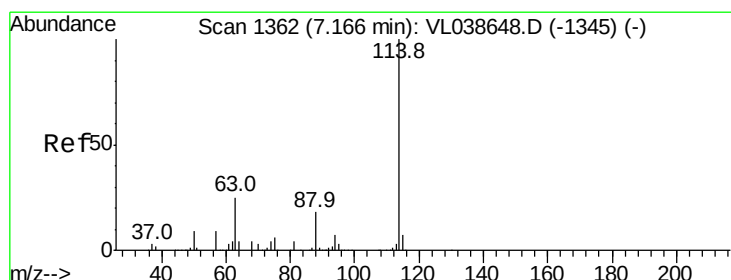
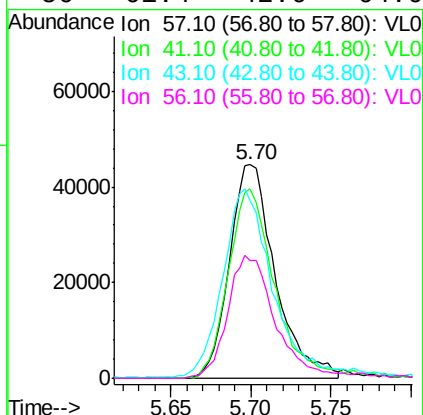


#26
Hexane
Concen: 1.35 ppbv
RT: 5.70
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Mar 2022 19:38

Tgt Ion: 57.10 (56.80 to 57.80): VL0
Ion Ratio 100
57 100
41 92.
43 102.
56 61.4 42.6 64.0

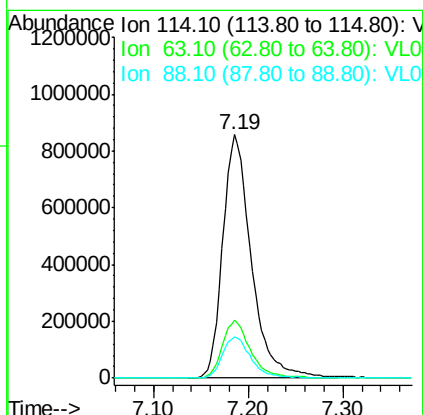
Manual Integrations
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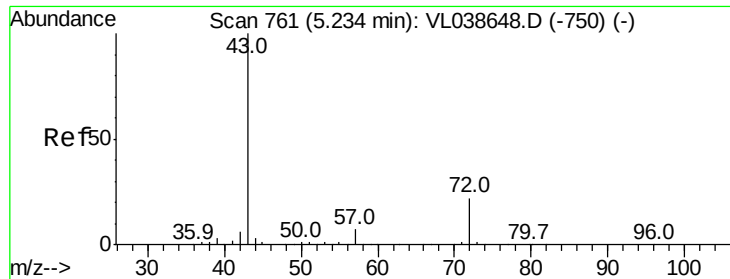
Reviewed By :Semsettin Yesilyurt 03/26/2022
Supervised By :Mahesh Dadoda 03/28/2022



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.02 min
Lab File: VL038755.D
Acq: 24 Mar 2022 19:38

Tgt Ion: 114 Resp: 1801385
Ion Ratio Lower Upper
114 100
63 23.8 19.4 29.0
88 17.3 13.9 20.9



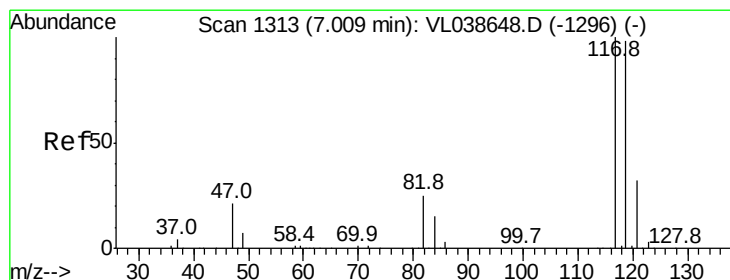
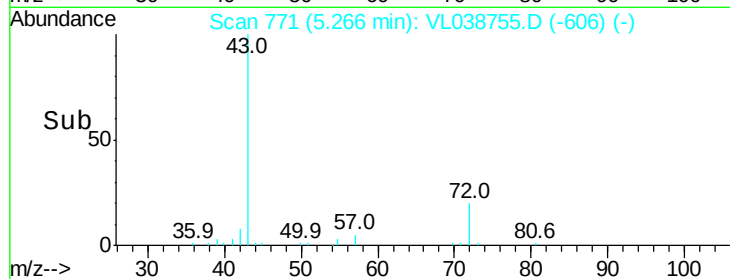
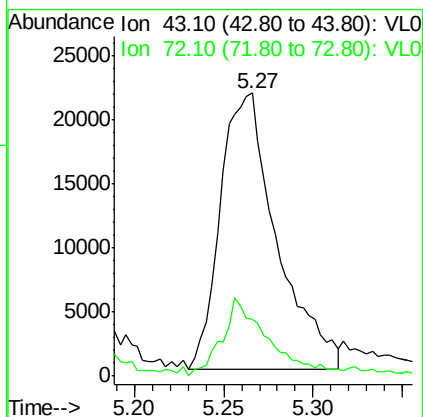
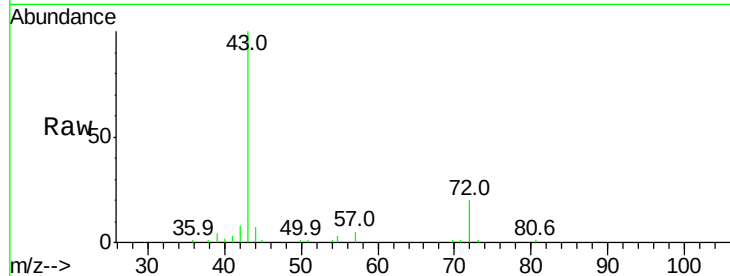


#34
2-Butanone
Concen: 0.66 ppbv
RT: 5.27
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Mar 2022 19:38

Tgt Ion:
Ion Ratio
43 100
72 27.

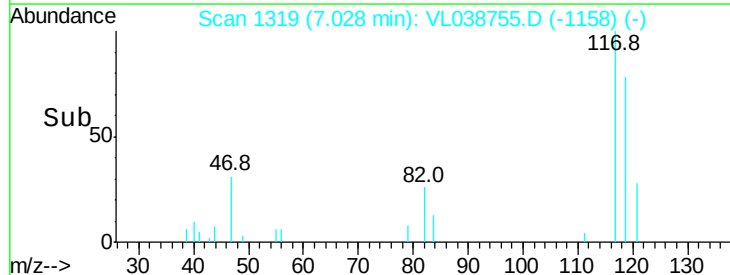
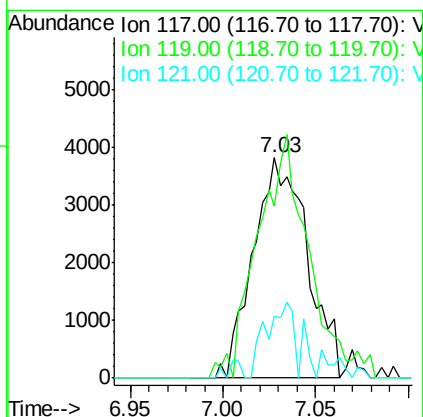
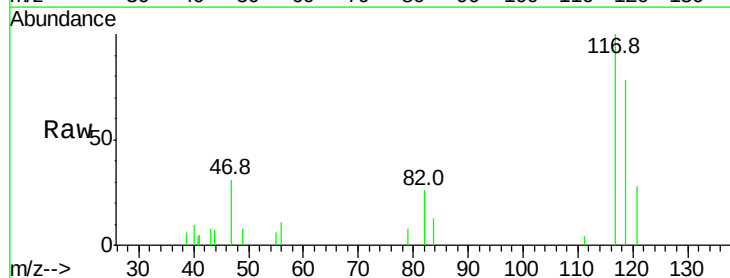
Manual Integrations
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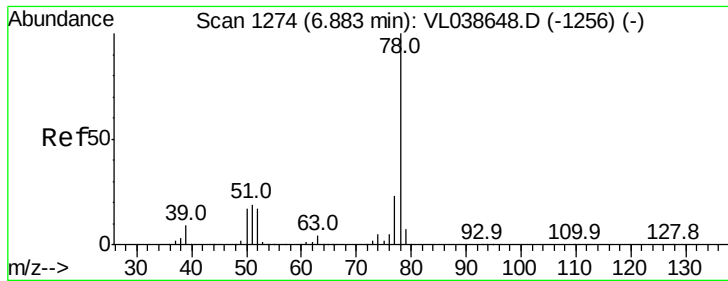
Reviewed By :Semsettin Yesilyurt 03/26/2022
Supervised By :Mahesh Dadoda 03/28/2022



#35
Carbon Tetrachloride
Concen: 0.07 ppbv m
RT: 7.03 min Scan# 1319
Delta R.T. 0.02 min
Lab File: VL038755.D
Acq: 24 Mar 2022 19:38

Tgt Ion:117 Resp: 7731
Ion Ratio Lower Upper
117 100
119 78.0 78.1 117.1#
121 28.4 25.8 38.6



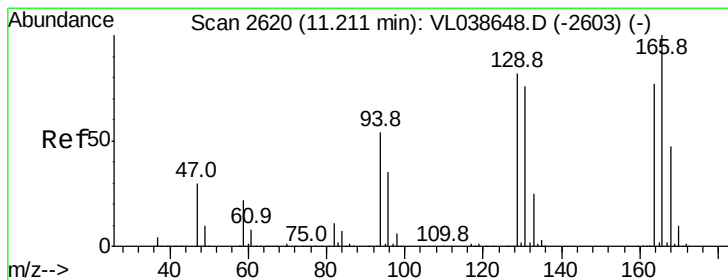
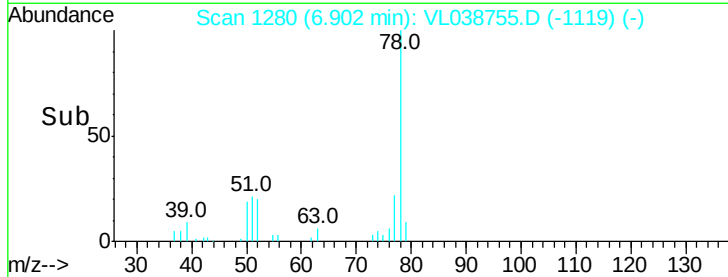
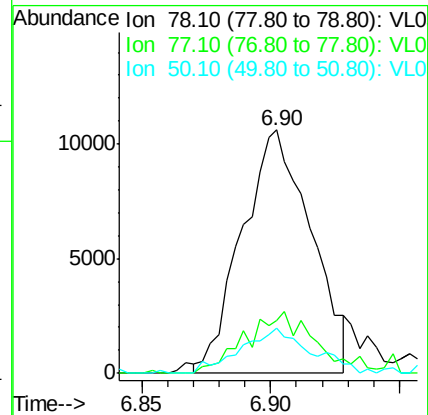
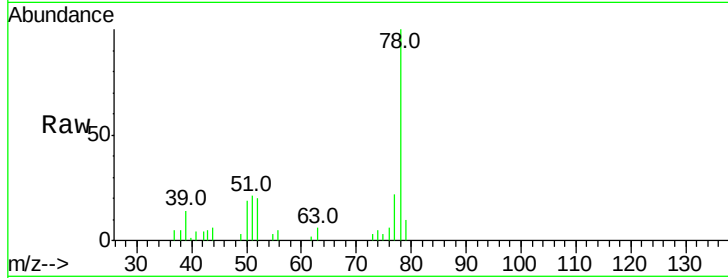


#36
Benzene
Concen: 0.14 ppbv
RT: 6.90
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Mar 2022 19:38

Tgt Ion:
Ion Ratio
78 100
77 22.
50 19.

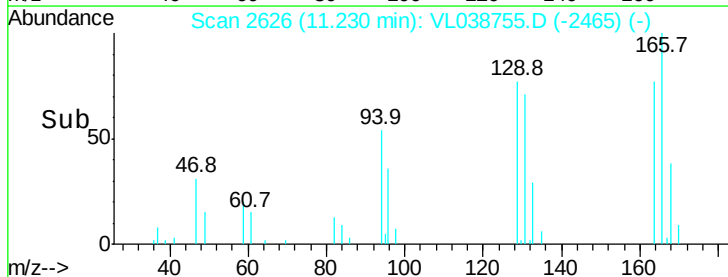
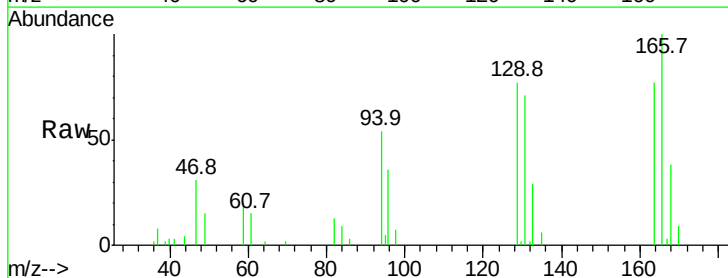
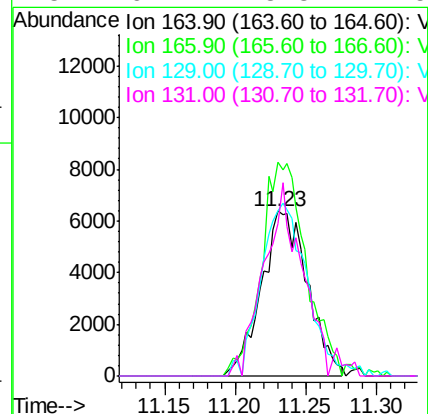
Manual Integrations
APPROVED

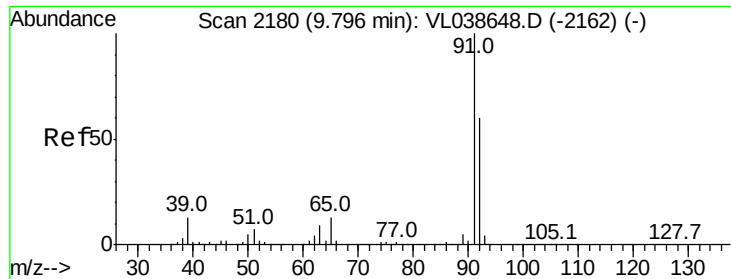
Reviewed By :Semsettin Yesilyurt 03/26/2022
Supervised By :Mahesh Dadoda 03/28/2022



#52
Tetrachloroethene
Concen: 0.28 ppbv m
RT: 11.23 min Scan# 2626
Delta R.T. 0.02 min
Lab File: VL038755.D
Acq: 24 Mar 2022 19:38

Tgt Ion:164 Resp: 14393
Ion Ratio Lower Upper
164 100
166 129.8 103.3 154.9
129 100.4 85.2 127.8
131 92.7 78.3 117.5





#53

Toluene

Concen: 0.54 ppbv

RT: 9.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 19:38

Tgt Ion:

Ion Ratio

91 100

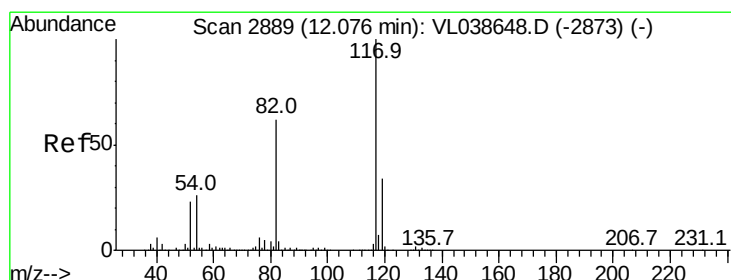
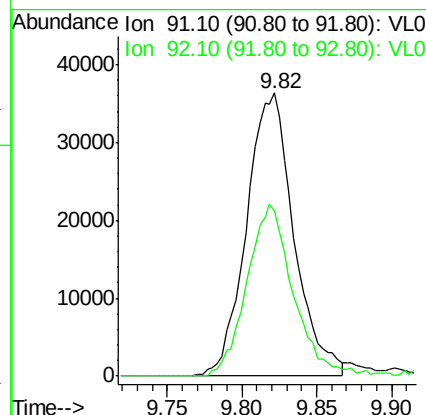
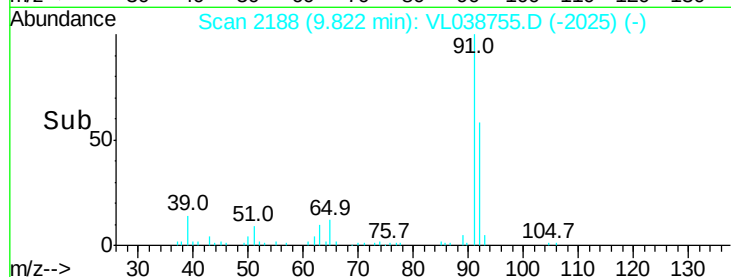
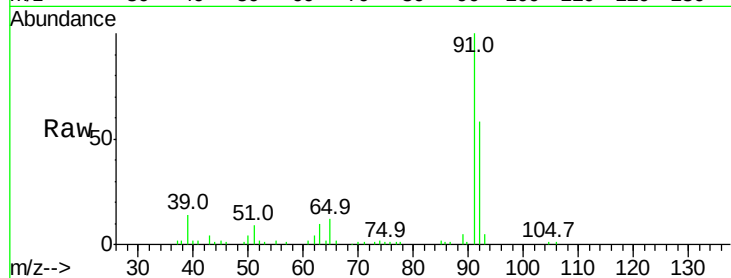
92 59.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.10 min Scan# 2896

Delta R.T. 0.02 min

Lab File: VL038755.D

Acq: 24 Mar 2022 19:38

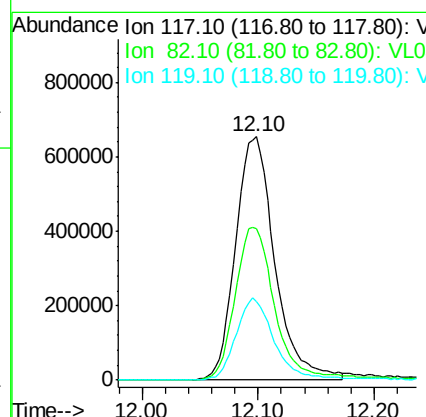
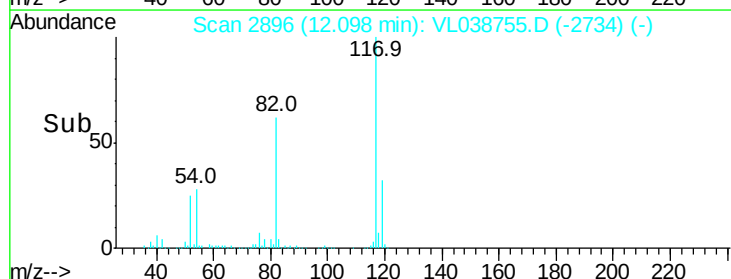
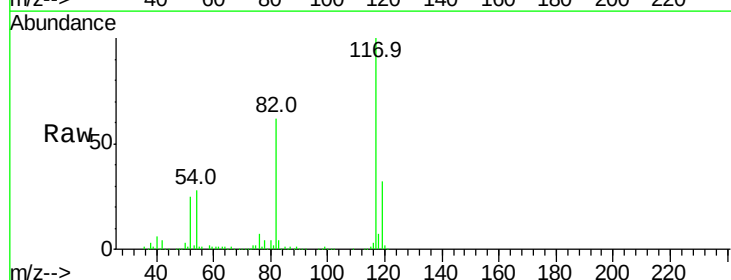
Tgt Ion:117 Resp: 1535901

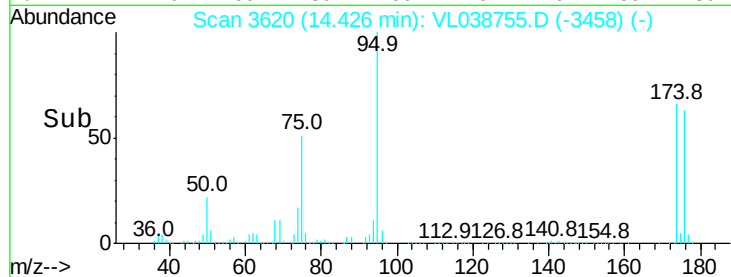
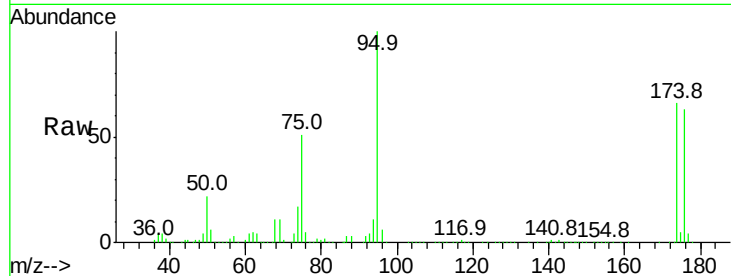
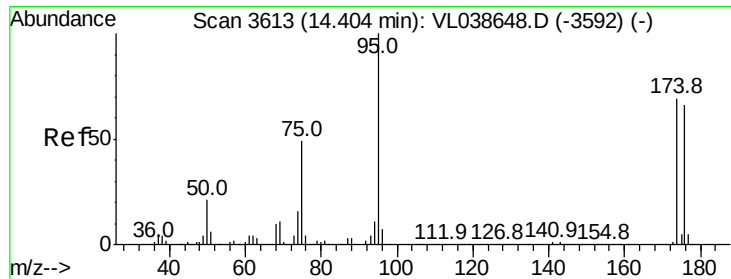
Ion Ratio Lower Upper

117 100

82 65.4 51.6 77.4

119 34.1 26.9 40.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.89 ppbv

RT: 14.43

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Mar 2022 19:38

Tgt Ion:

Ion Ratio

95 100

174 72.

175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022

