

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032422\
 Data File : VL038757.D
 Acq On : 24 Mar 2022 20:58
 Operator : SY/AP
 Sample : N2078-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-10

Manual Integrations
 APPROVED

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

Quant Time: Mar 26 10:03:22 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	703421	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	1902224	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	1551426	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1164294	9.79	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.07	85	33304	0.35	ppbv	96
3) Chlorodifluoromethane	3.01	51	23045m	0.31	ppbv	
4) Chloromethane	3.15	50	27530	0.67	ppbv	94
9) Propene	3.03	41	27902	0.78	ppbv	95
11) Trichlorofluoromethane	3.96	101	25392	0.30	ppbv	94
13) Ethanol	3.62	45	86257	21.80	ppbv	89
15) Acetone	3.86	43	476135	7.84	ppbv	100
19) Isopropyl Alcohol	3.99	45	24694m	0.73	ppbv	
20) Methylene Chloride	4.36	84	214373	8.39	ppbv	96
26) Hexane	5.70	57	132919	1.94	ppbv #	40
34) 2-Butanone	5.26	43	57484m	0.76	ppbv	
35) Carbon Tetrachloride	7.03	117	7676m	0.07	ppbv	
36) Benzene	6.91	78	66479	0.45	ppbv	96
53) Toluene	9.82	91	110085	0.70	ppbv	99

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

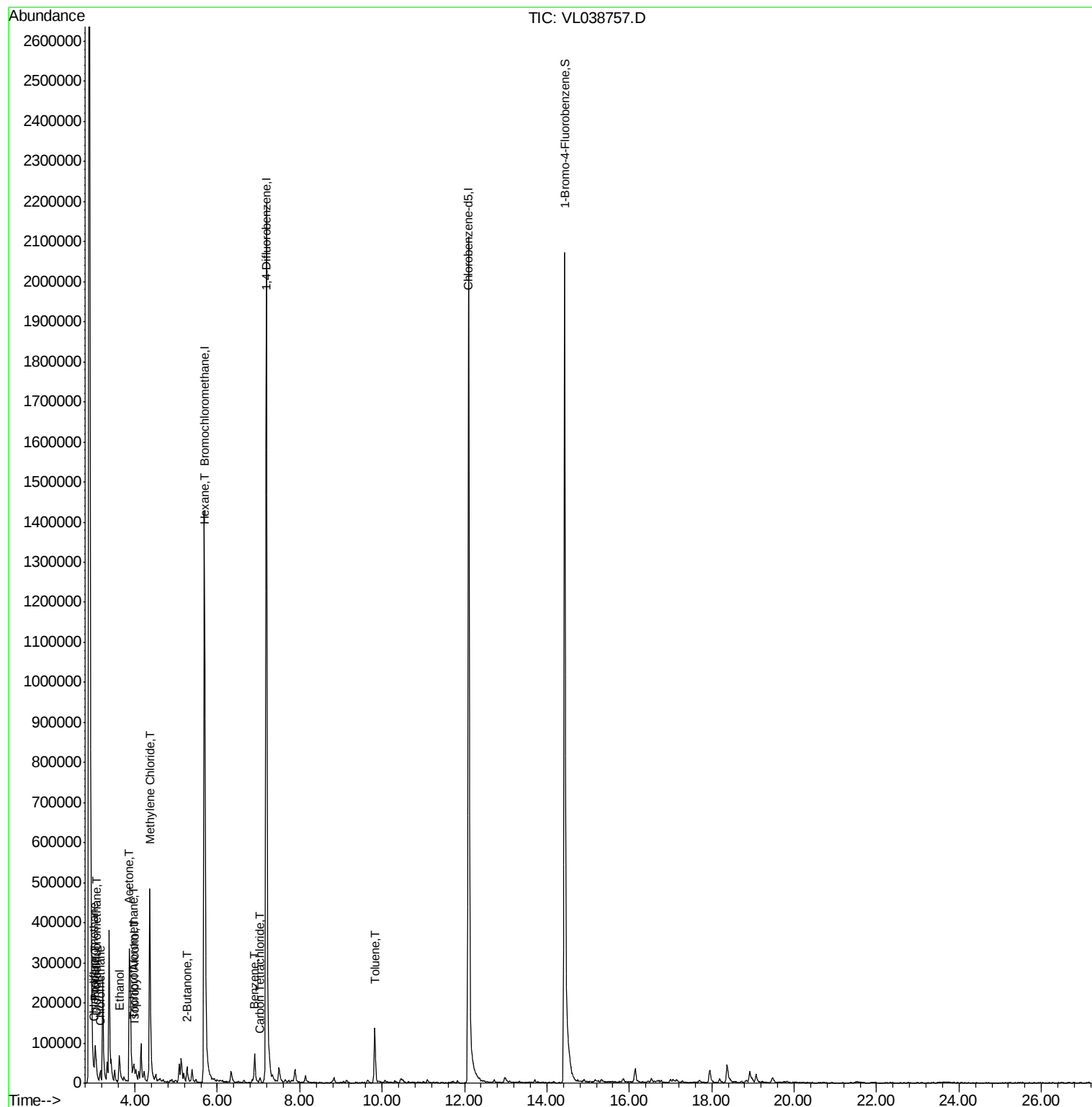
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL032422\
Data File : VL038757.D
Acq On : 24 Mar 2022 20:58
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ALS Vial : 1 Sample Multiplier: 1

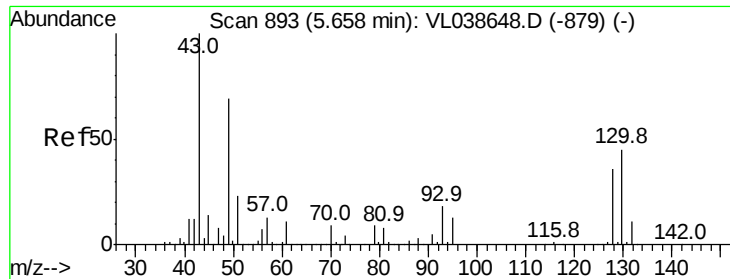
Instrument :
MSVOA_L
ClientSampleId :
V-10

Quant Time: Mar 26 10:03:22 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 20:58

Tgt Ion:

Ion Ratio

49 100

128 57.

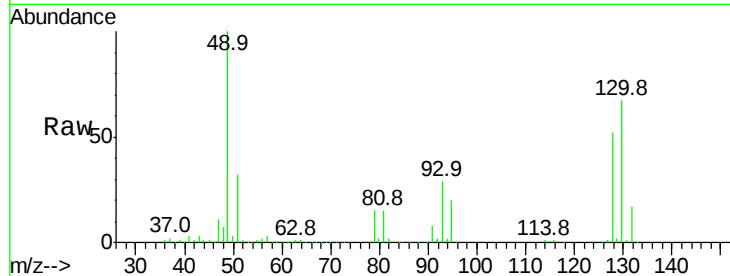
130 71.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2022

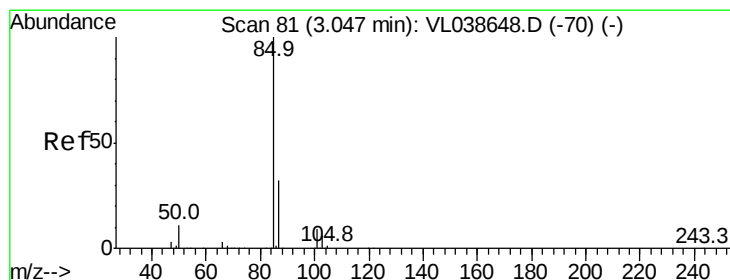
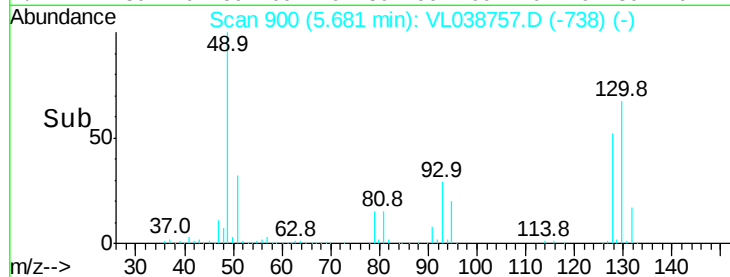
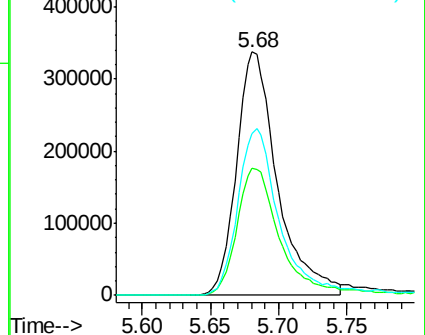
Supervised By :Mahesh Dadoda 03/28/2022



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.35 ppbv

RT: 3.07 min Scan# 87

Delta R.T. 0.02 min

Lab File: VL038757.D

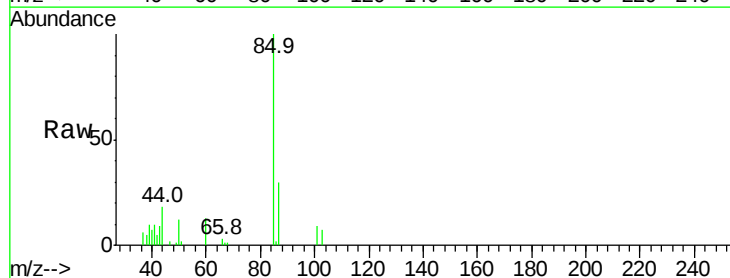
Acq: 24 Mar 2022 20:58

Tgt Ion: 85 Resp: 33304

Ion Ratio Lower Upper

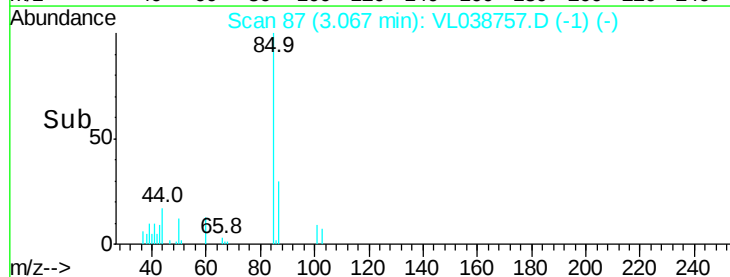
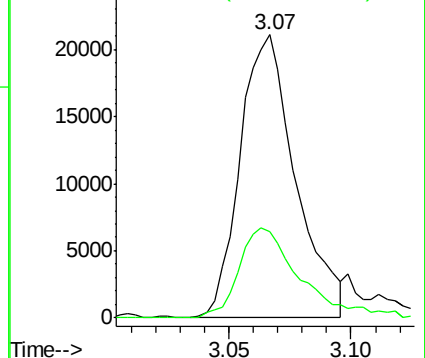
85 100

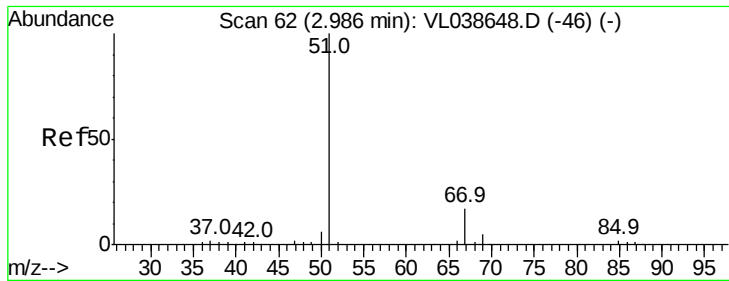
87 30.4 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.31 ppbv m

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 20:58

Tgt Ion:

Ion Ratio

51 100

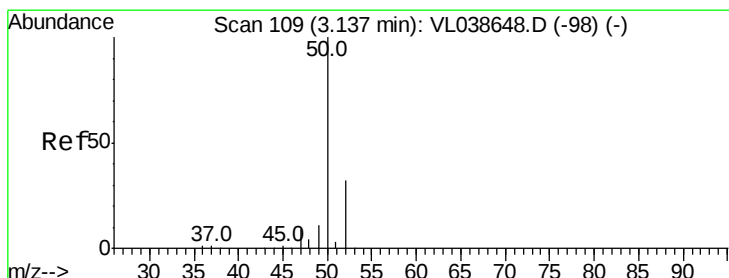
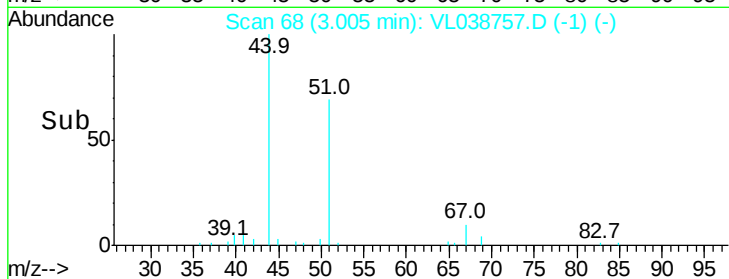
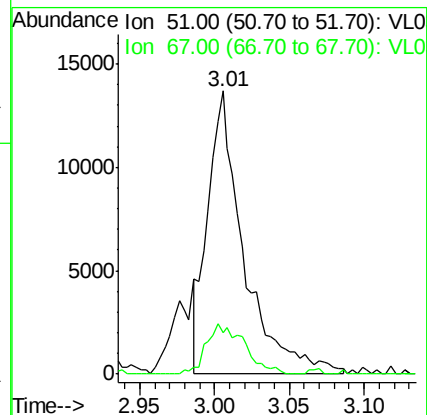
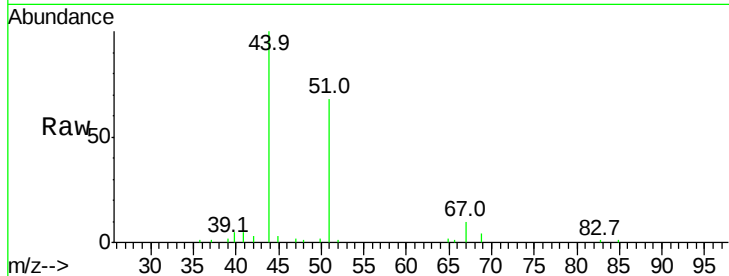
67 18.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#4

Chloromethane

Concen: 0.67 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.02 min

Lab File: VL038757.D

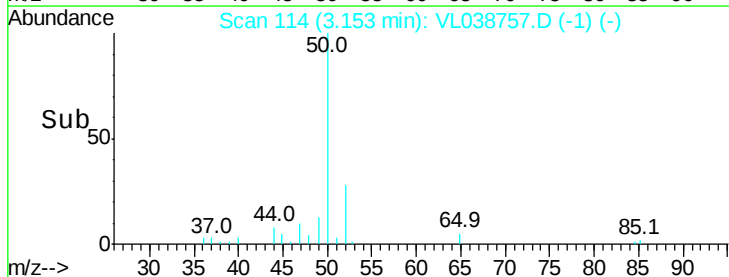
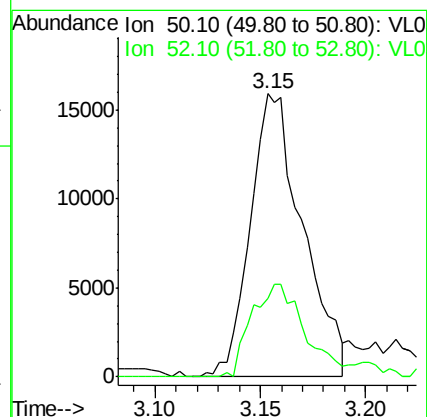
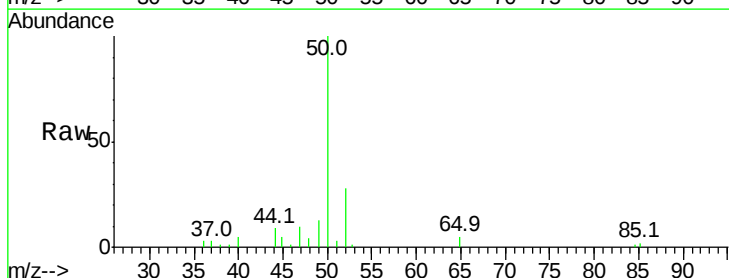
Acq: 24 Mar 2022 20:58

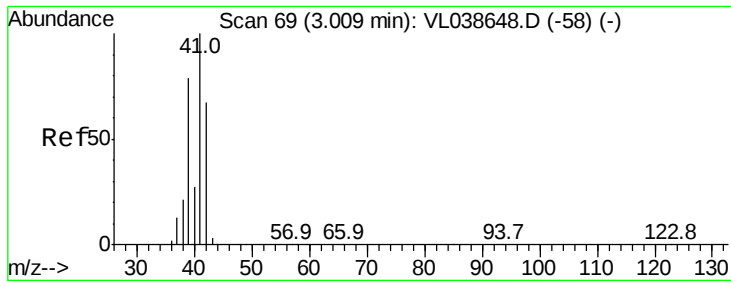
Tgt Ion: 50 Resp: 27530

Ion Ratio Lower Upper

50 100

52 28.7 25.5 38.3





#9

Propene

Concen: 0.78 ppbv

RT: 3.03 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 20:58

Tgt Ion:

Ion Ratio

41 100

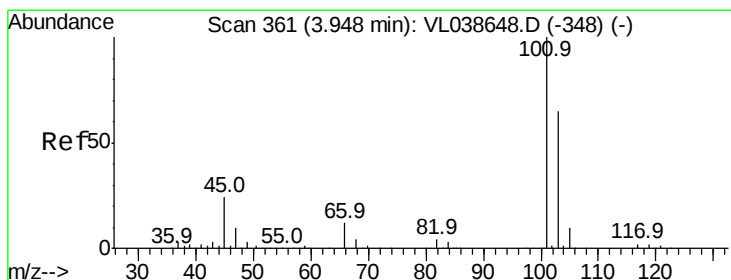
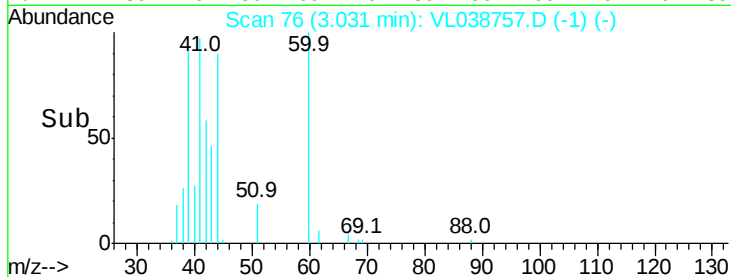
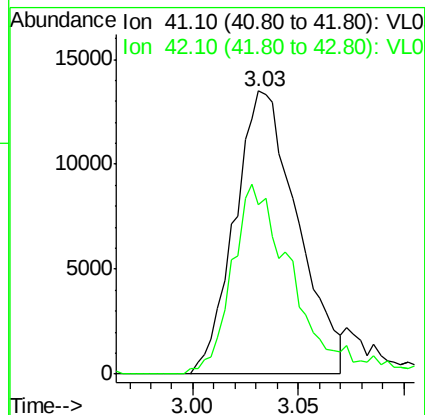
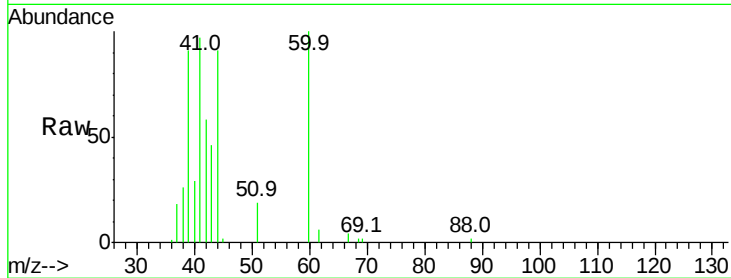
42 66.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#11

Trichlorofluoromethane

Concen: 0.30 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.02 min

Lab File: VL038757.D

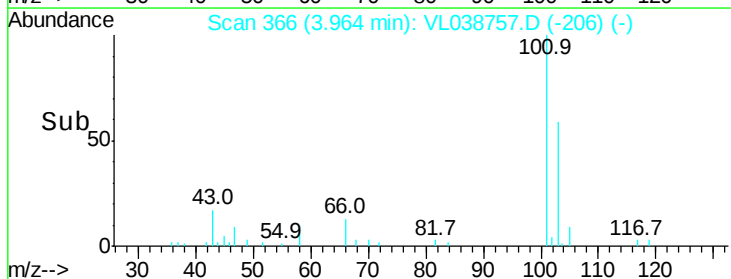
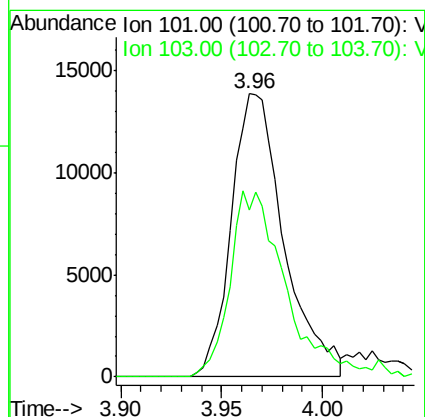
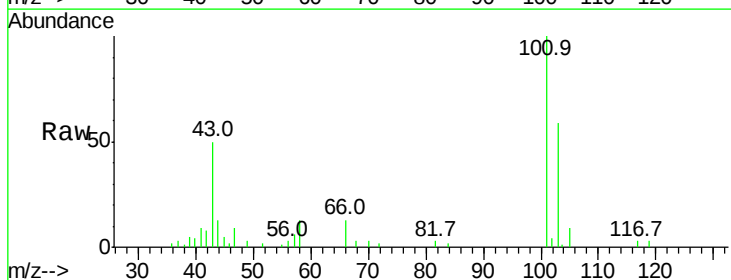
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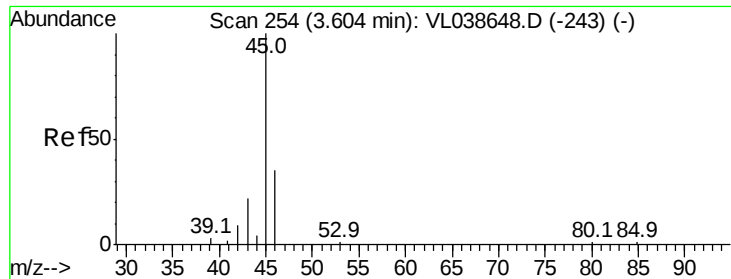
Tgt Ion:101 Resp: 25392

Ion Ratio Lower Upper

101 100

103 59.9 51.9 77.9



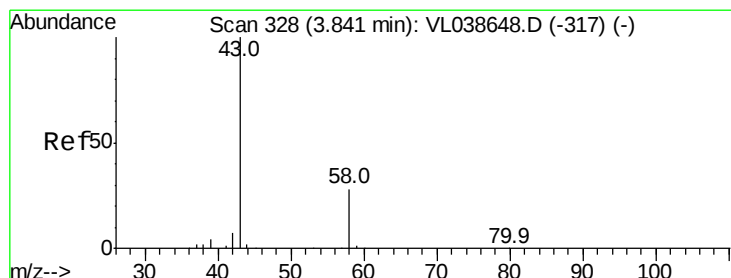
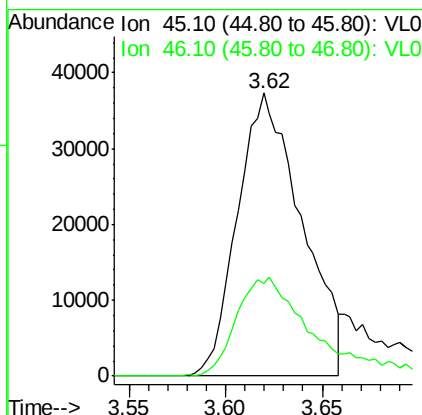
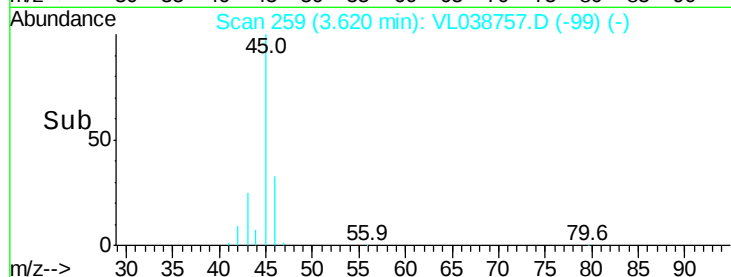
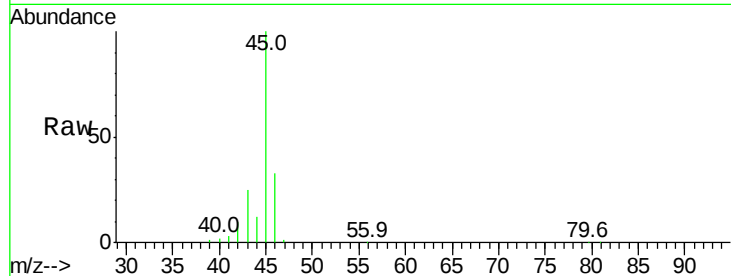


#13
Ethanol
Concen: 21.80 ppbv
RT: 3.62
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Mar 2022 20:58

Tgt Ion:
Ion Ratio
45 100
46 44.

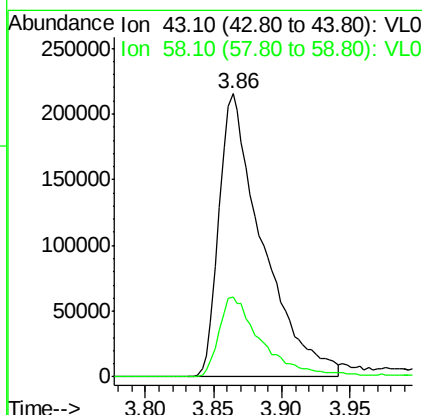
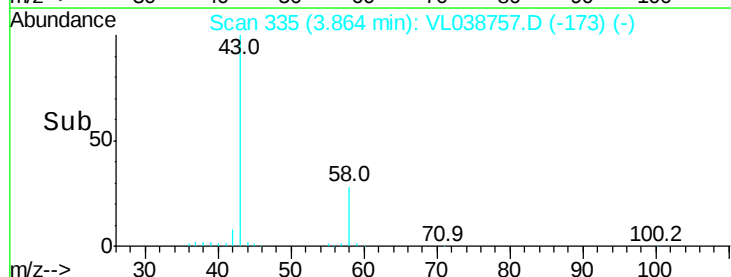
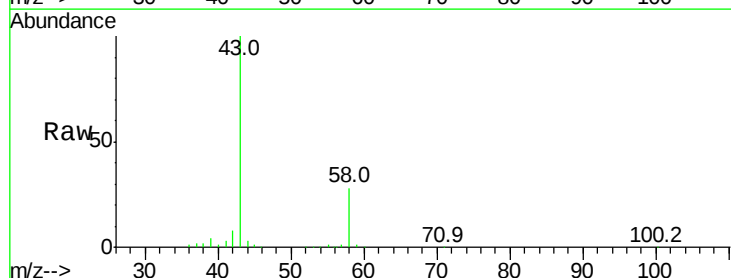
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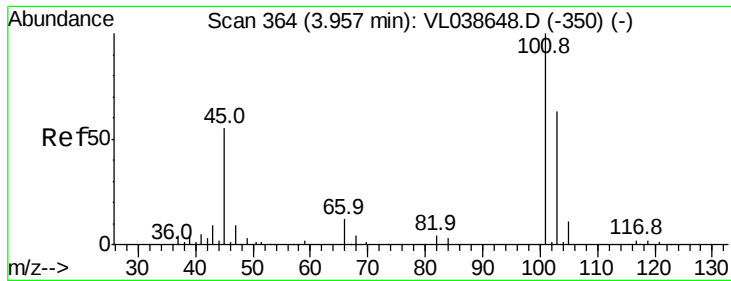
Reviewed By :Semsettin Yesilyurt 03/26/2022
Supervised By :Mahesh Dadoda 03/28/2022



#15
Acetone
Concen: 7.84 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.02 min
Lab File: VL038757.D
Acq: 24 Mar 2022 20:58

Tgt Ion: 43 Resp: 476135
Ion Ratio Lower Upper
43 100
58 29.3 23.3 34.9





#19

Isopropyl Alcohol

Concen: 0.73 ppbv m

RT: 3.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Mar 2022 20:58

Tgt Ion:

Ion Ratio

45 100

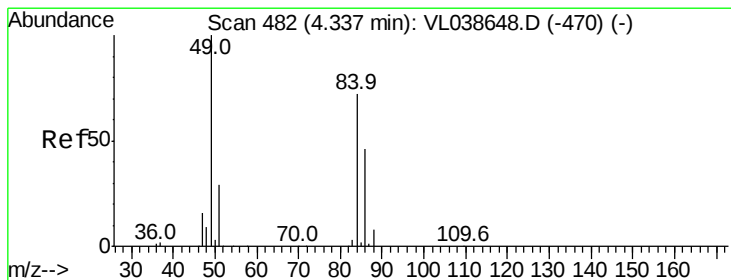
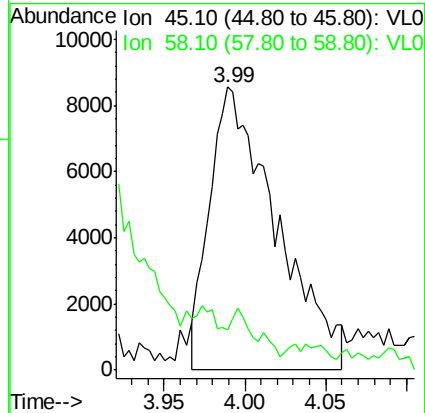
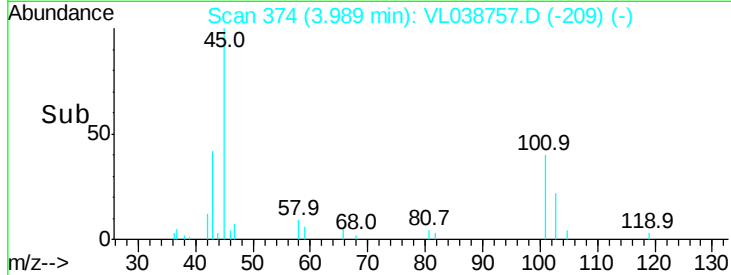
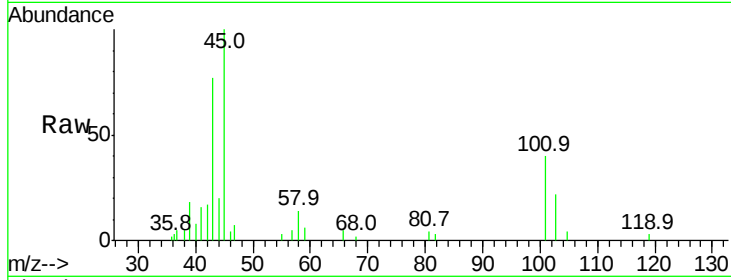
58 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/26/2022

Supervised By :Mahesh Dadoda 03/28/2022



#20

Methylene Chloride

Concen: 8.39 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.02 min

Lab File: VL038757.D

Acq: 24 Mar 2022 20:58

Tgt Ion: 84 Resp: 214373

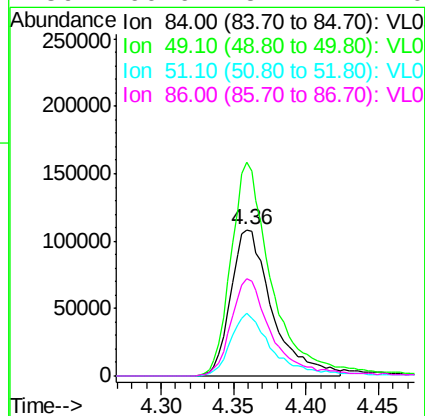
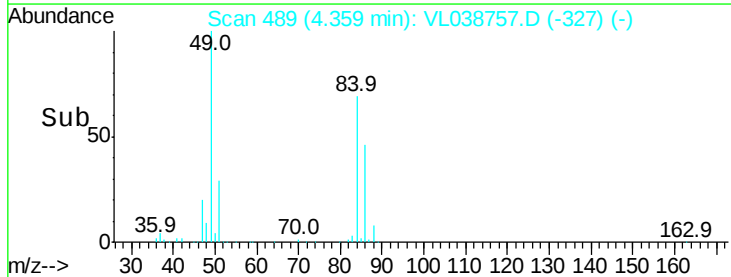
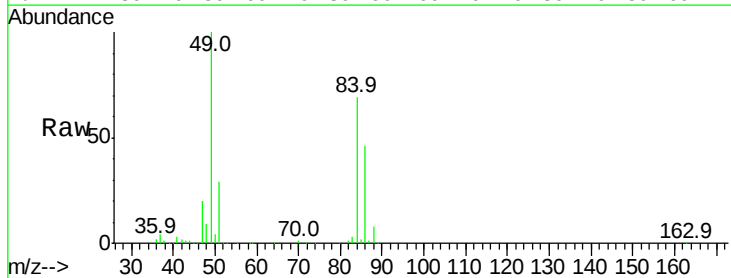
Ion Ratio Lower Upper

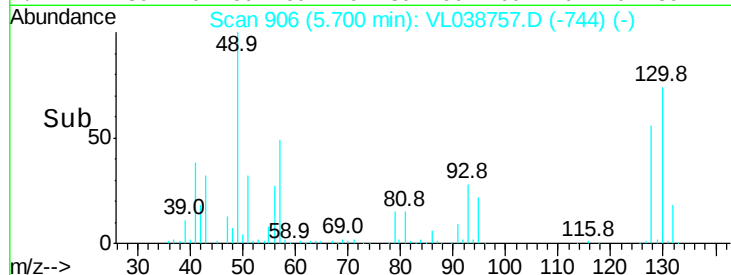
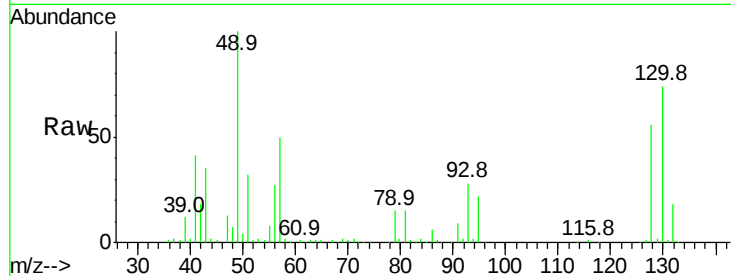
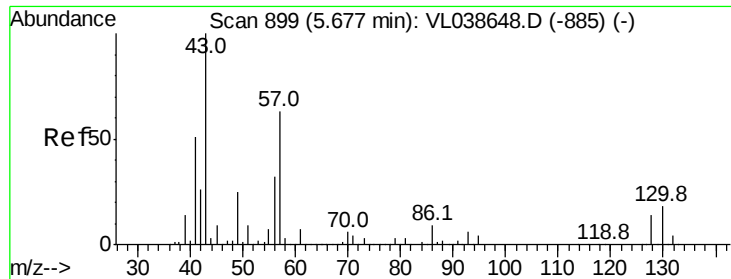
84 100

49 145.7 111.2 166.8

51 42.6 32.8 49.2

86 66.6 51.4 77.0



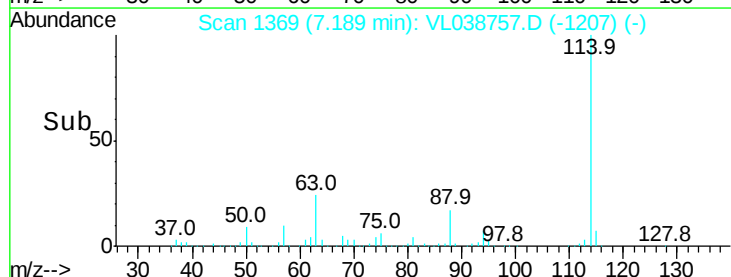
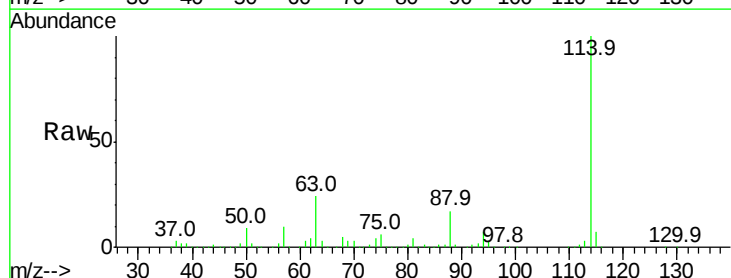
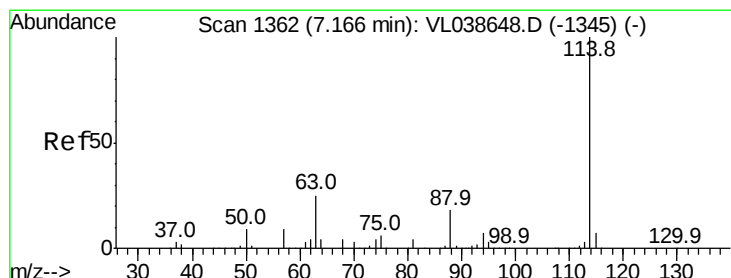
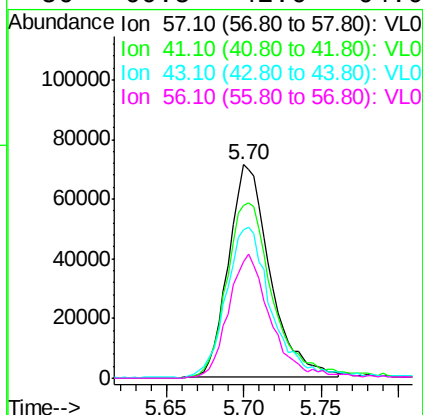


#26
Hexane
Concen: 1.94 ppbv
RT: 5.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Mar 2022 20:58

Tgt Ion: 57.10 (56.80 to 57.80): VL0
Ion Ratio 100
57 100
41 93.
43 80.
56 60.5 42.6 64.0

Manual Integrations
APPROVED

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# 1369
Delta R.T. 0.02 min
Lab File: VL038757.D
Acq: 24 Mar 2022 20:58

Tgt Ion:114 Resp: 1902224
Ion Ratio Lower Upper
114 100
63 23.4 19.4 29.0
88 17.1 13.9 20.9

