

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL031722\
 Data File : VL038636.D
 Acq On : 17 Mar 2022 21:46
 Operator : SY/AP
 Sample : N2003-03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 C0PA6

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/19/2022
 Supervised By : Mahesh Dadoda 03/21/2022

Quant Time: Mar 19 13:04:13 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030822A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	786367	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	1970343	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	1681466	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1176726	9.20	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	22183m	0.187	ppbv	
3) Chlorodifluoromethane	3.00	51	31148	0.225	ppbv	95
4) Chloromethane	3.15	50	27953	0.544	ppbv #	88
9) Propene	3.03	41	24407	0.499	ppbv #	81
11) Trichlorofluoromethane	3.96	101	25528	0.245	ppbv	90
12) 1,1,2-Trichlorotrifluoroet	4.50	101	8323m	0.103	ppbv	
13) Ethanol	3.61	45	108137	19.240	ppbv	96
15) Acetone	3.85	43	375003	6.761	ppbv	99
19) Isopropyl Alcohol	3.99	45	23443	0.633	ppbv #	1
20) Methylene Chloride	4.35	84	135805	4.068	ppbv	96
26) Hexane	5.69	57	122776	1.400	ppbv #	44
32) 1,1,1-Trichloroethane	6.52	97	4097m	0.031	ppbv	
34) 2-Butanone	5.25	43	69705m	1.365	ppbv	
35) Carbon Tetrachloride	7.02	117	12421m	0.092	ppbv	
36) Benzene	6.89	78	21723	0.122	ppbv #	84
52) Tetrachloroethene	11.23	164	3473m	0.053	ppbv	
53) Toluene	9.81	91	78876	0.416	ppbv	98

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL031722\
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Acq On : 17 Mar 2022 21:46
Operator : SY/AP
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0PA6

Manual Integrations
APPROVED

Quant Time: Mar 19 13:04:13 2022

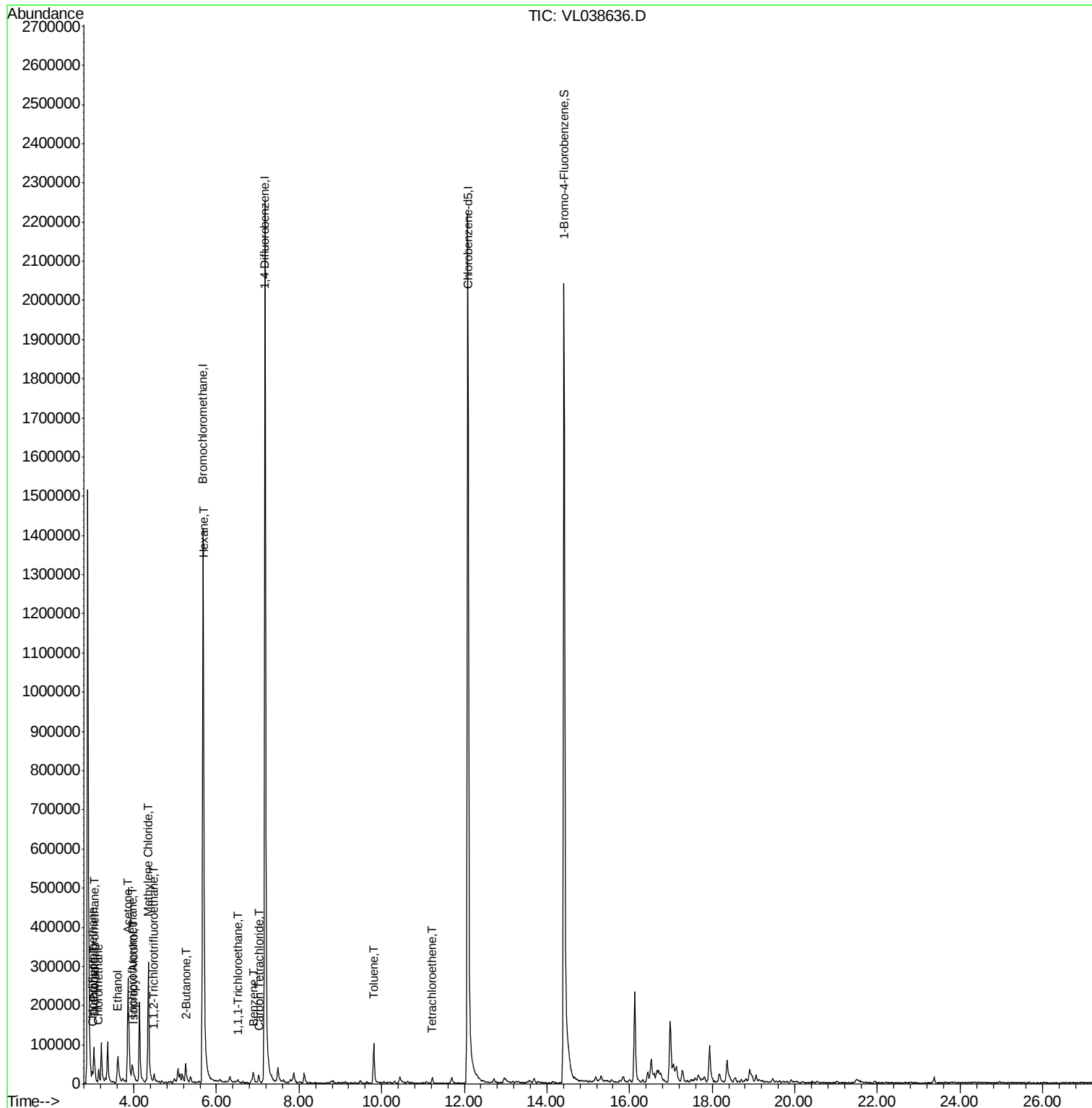
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030822

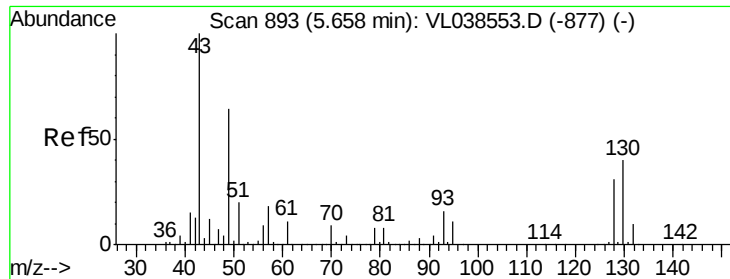
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Tue Mar 08 21:18:44 2022

Response via : Initial Calibration

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 21:46

Tot Ion:

Ion Ratio

49 100

128 51.

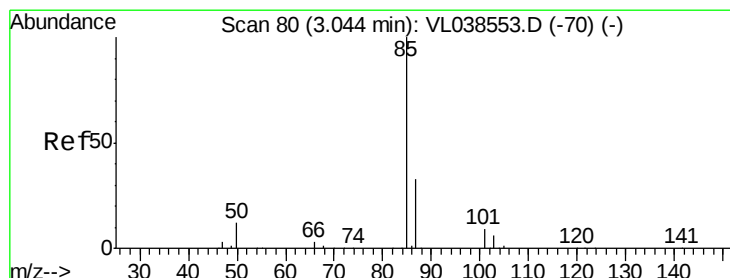
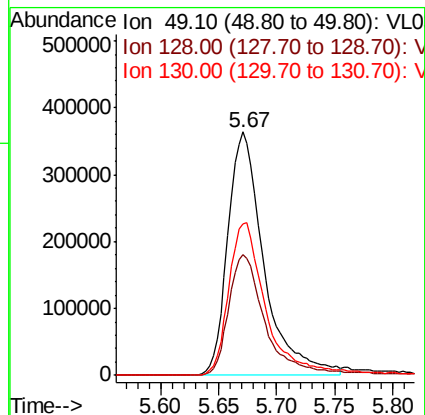
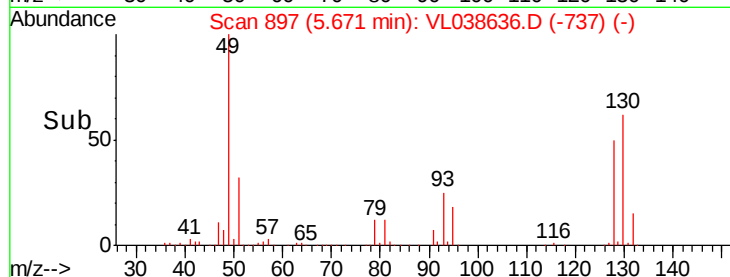
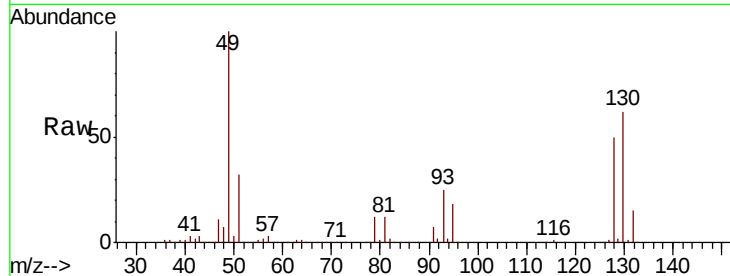
130 64.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/19/2022

Supervised By :Mahesh Dadoda 03/21/2022



#2

Dichlorodifluoromethane

Concen: 0.187 ppbv m

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL038636.D

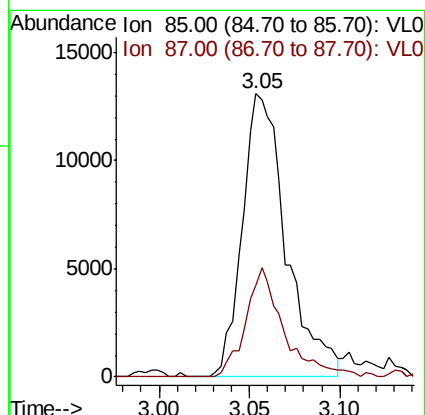
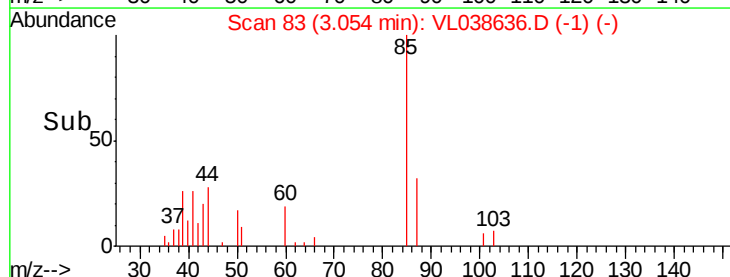
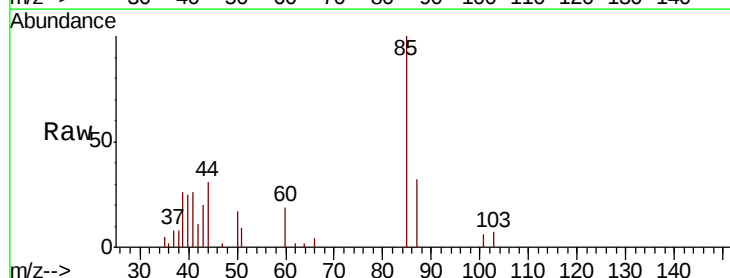
Acq: 17 Mar 2022 21:46

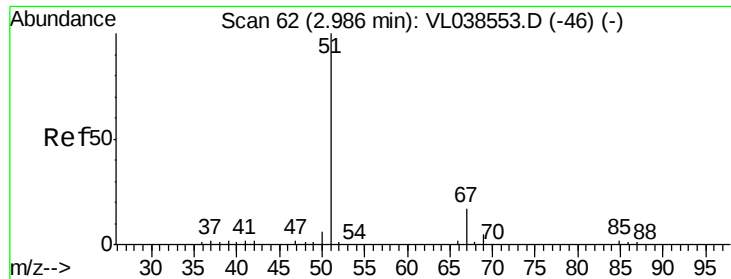
Tgt Ion: 85 Resp: 22183

Ion Ratio Lower Upper

85 100

87 32.3 26.2 39.2





#3

Chlorodifluoromethane

Concen: 0.225 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 21:46

Tot Ion:

Ion Ratio

51 100

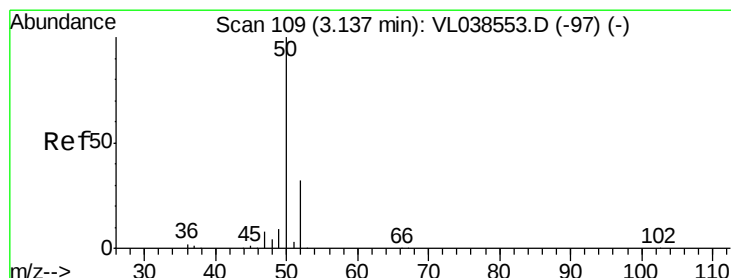
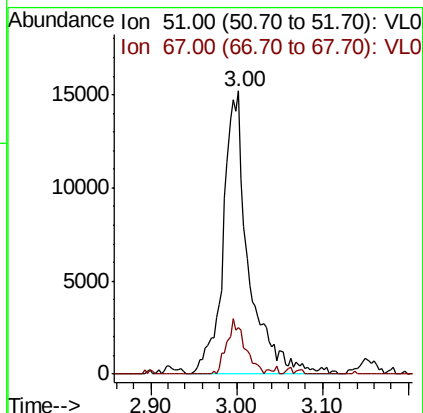
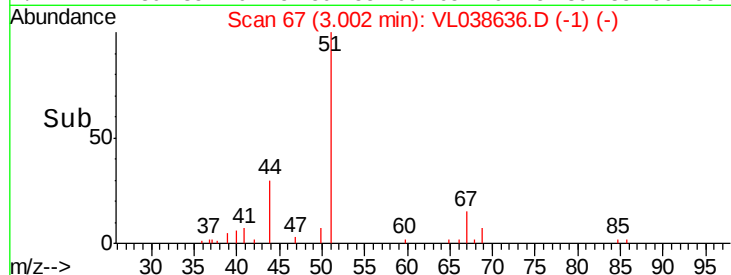
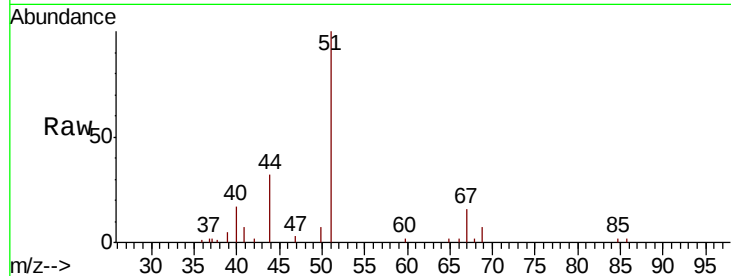
67 14.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/19/2022

Supervised By :Mahesh Dadoda 03/21/2022



#4

Chloromethane

Concen: 0.544 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.01 min

Lab File: VL038636.D

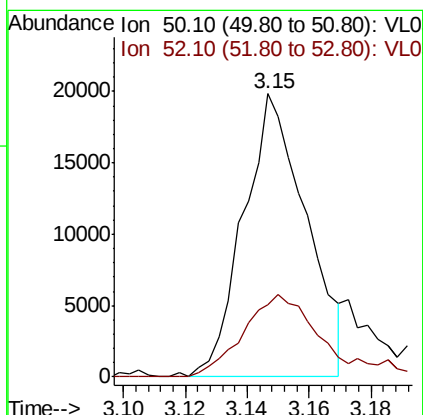
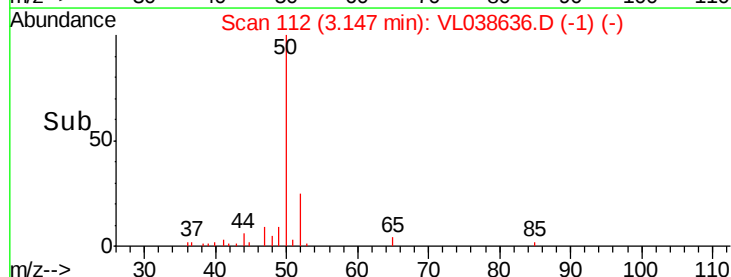
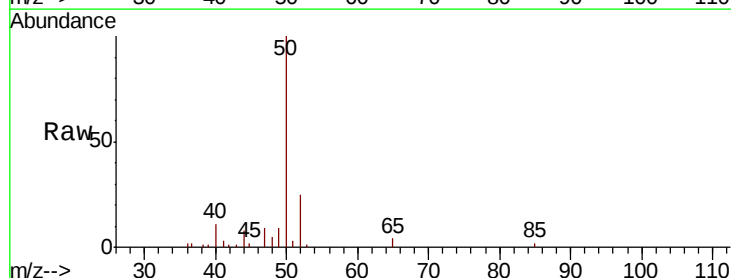
Acq: 17 Mar 2022 21:46

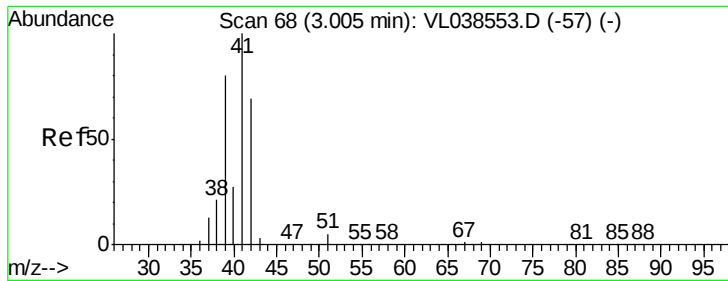
Tgt Ion: 50 Resp: 27953

Ion Ratio Lower Upper

50 100

52 25.3 25.6 38.4#



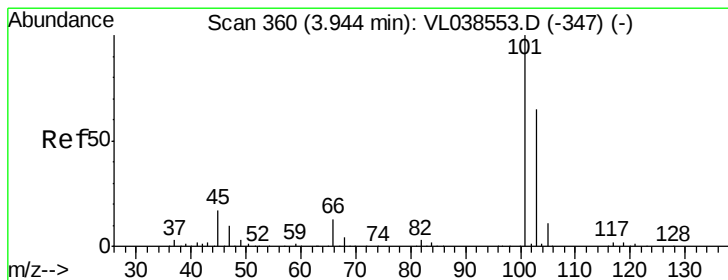
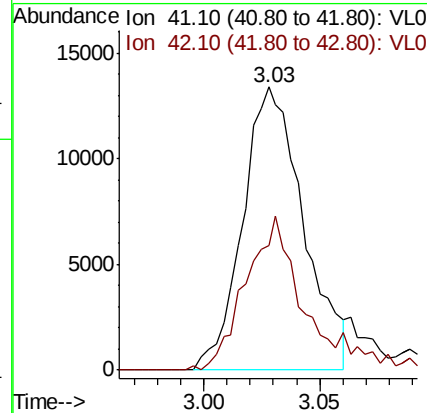
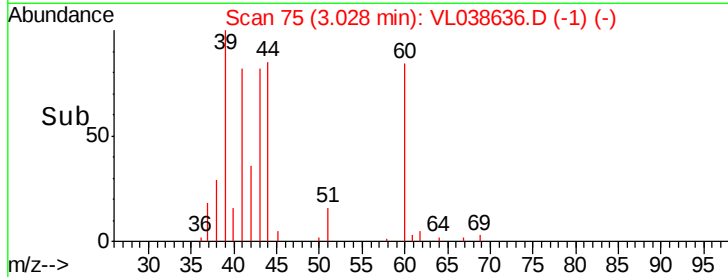
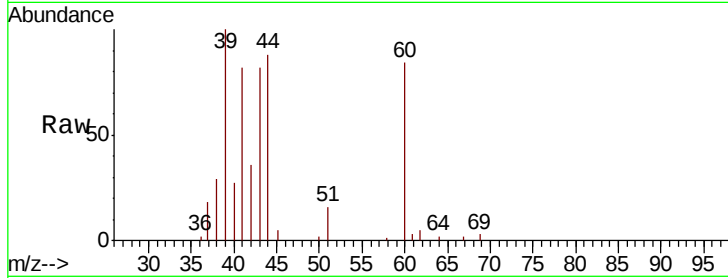


#9
 Propene
 Concen: 0.499 ppbv
 RT: 3.03
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Mar 2022 21:48

Tot Ion:
 Ion Ratio
 41 100
 42 53.

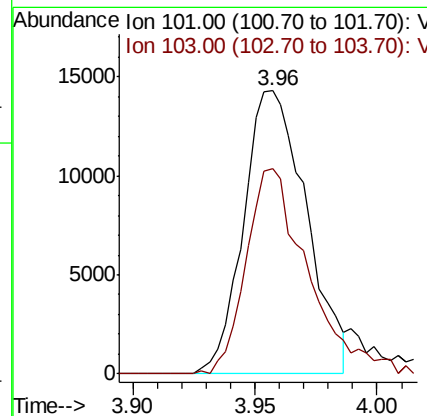
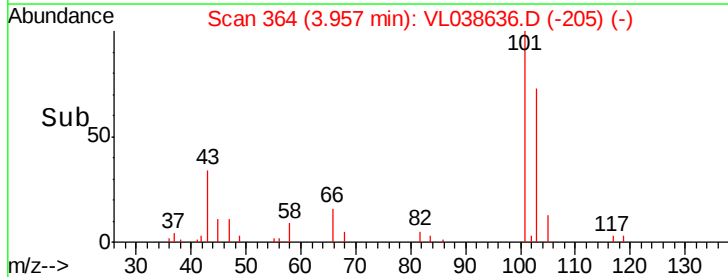
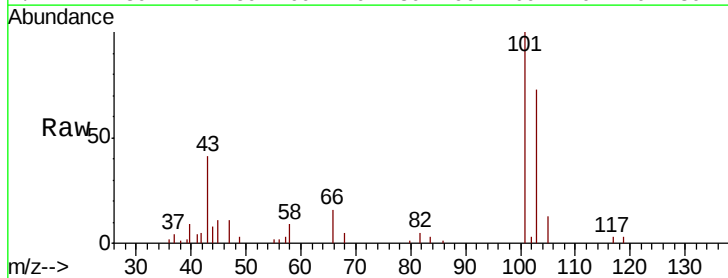
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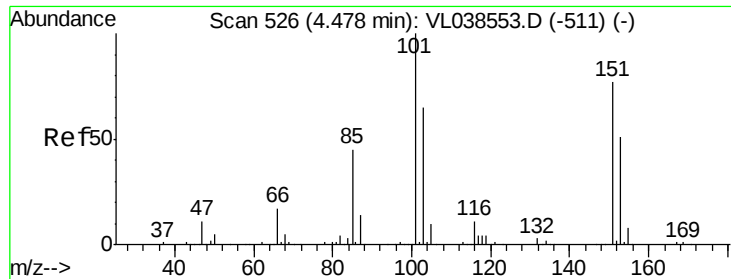
Reviewed By :Semsettin Yesilyurt 03/19/2022
 Supervised By :Mahesh Dadoda 03/21/2022



#11
 Trichlorofluoromethane
 Concen: 0.245 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL038636.D
 Acq: 17 Mar 2022 21:46

Tgt Ion:101 Resp: 25528
 Ion Ratio Lower Upper
 101 100
 103 72.6 52.0 78.0





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.103 ppbv m

RT: 4.50 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 21:40

Tot Ion:1

Ion Rati

101 100

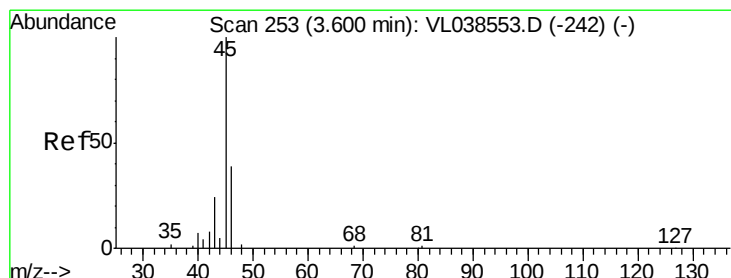
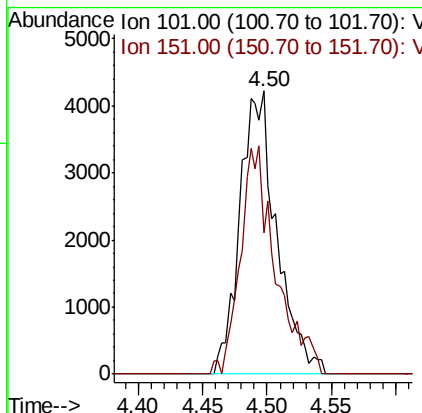
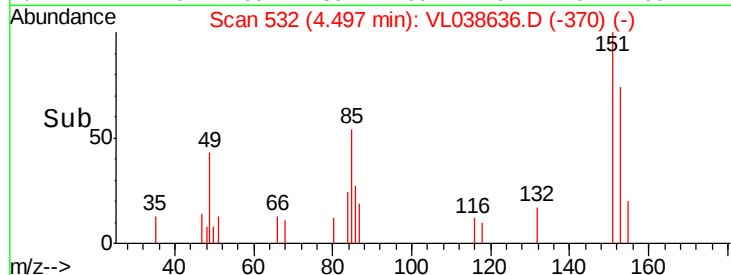
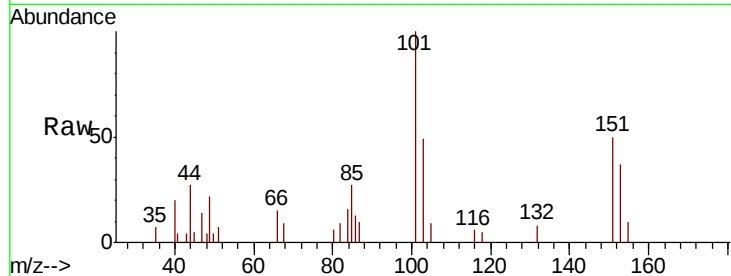
151 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/19/2022

Supervised By :Mahesh Dadoda 03/21/2022



#13

Ethanol

Concen: 19.240 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL038636.D

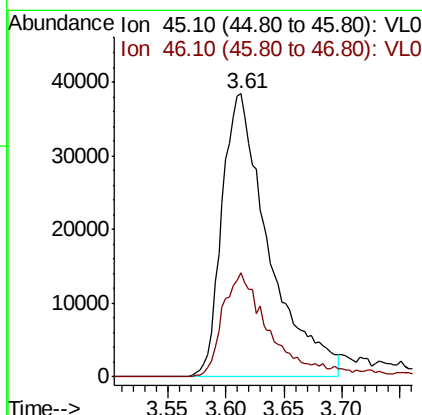
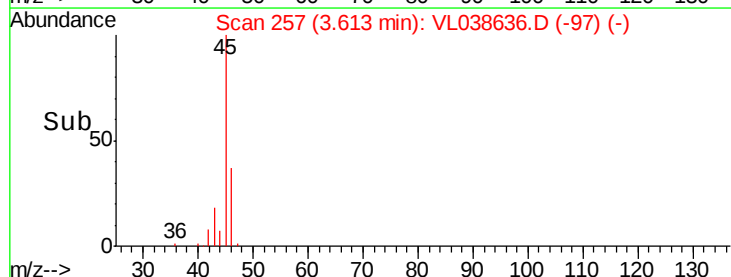
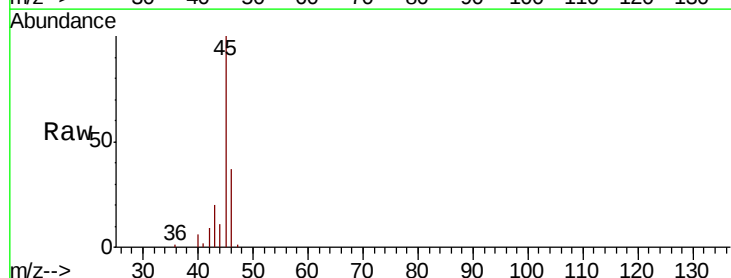
Acq: 17 Mar 2022 21:46

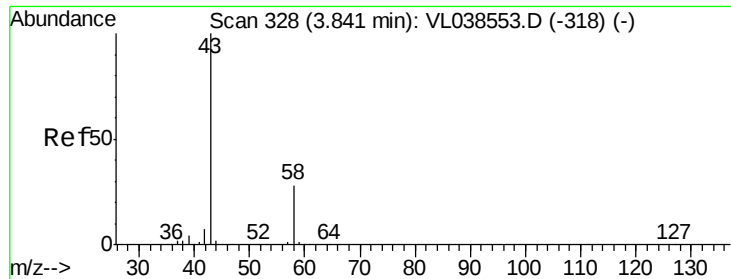
Tgt Ion: 45 Resp: 108137

Ion Ratio Lower Upper

45 100

46 39.1 16.8 67.0





#15

Acetone

Concen: 6.761 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 17 Mar 2022 21:48

Tot Ion:

Ion Ratio

43 100

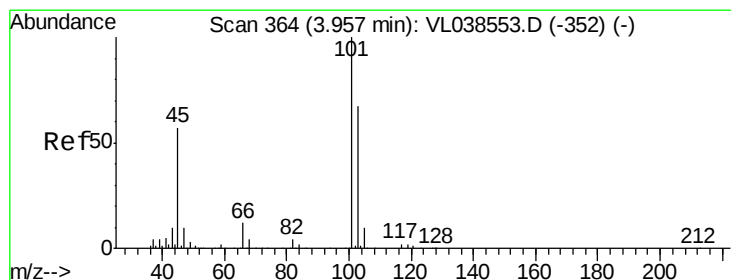
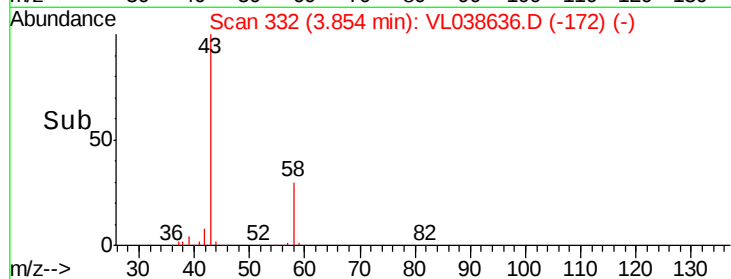
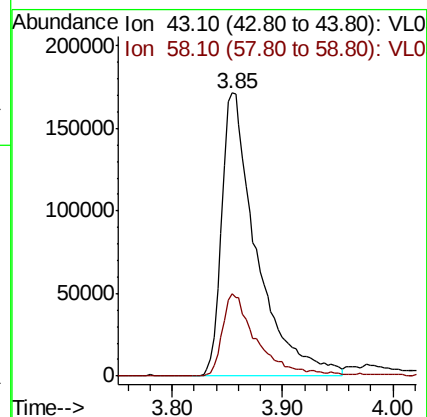
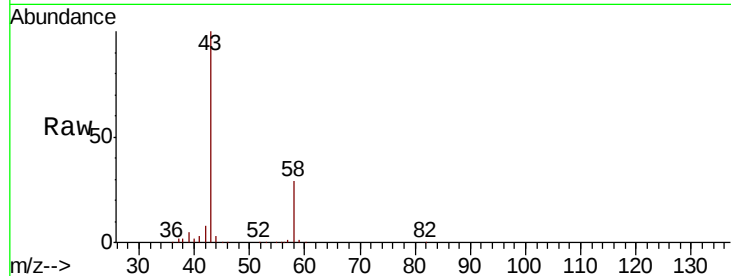
58 28.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/19/2022

Supervised By :Mahesh Dadoda 03/21/2022



#19

Isopropyl Alcohol

Concen: 0.633 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL038636.D

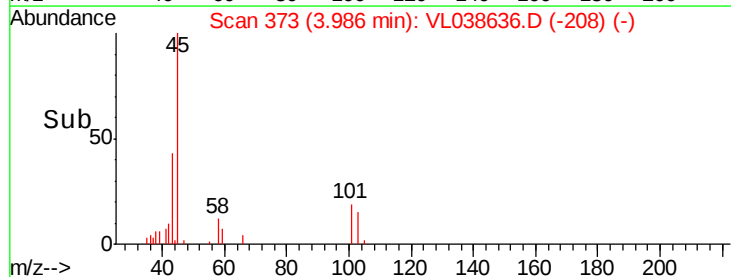
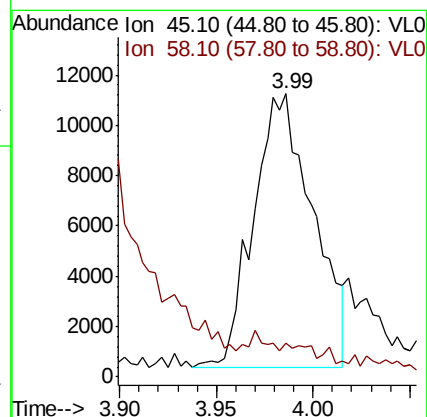
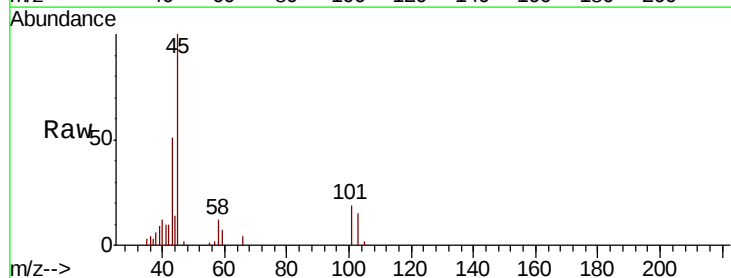
Acq: 17 Mar 2022 21:46

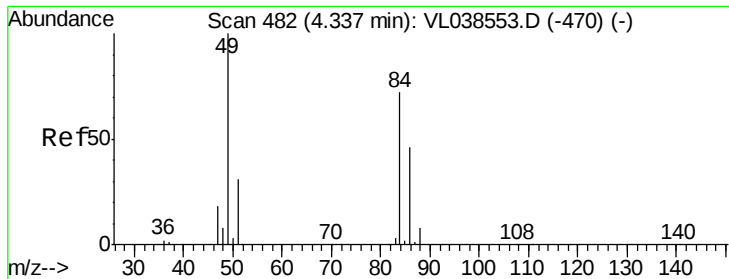
Tgt Ion: 45 Resp: 23443

Ion Ratio Lower Upper

45 100

58 462.3 2.2 3.2#



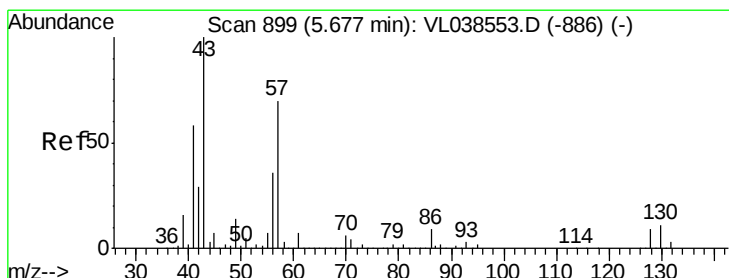
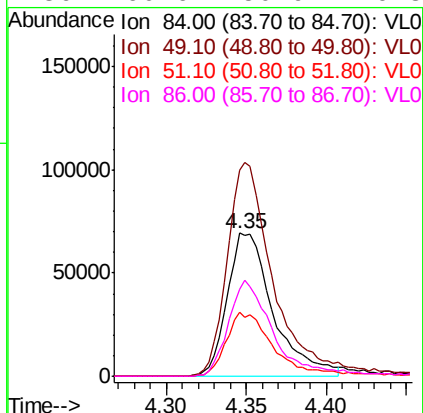
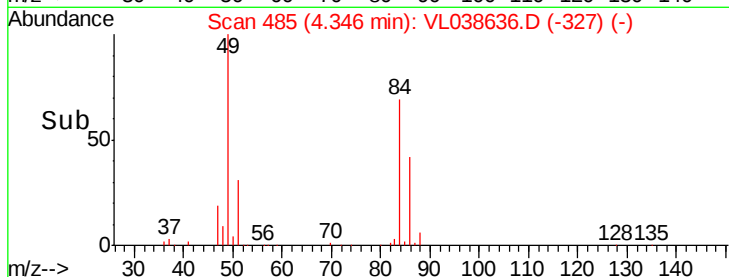
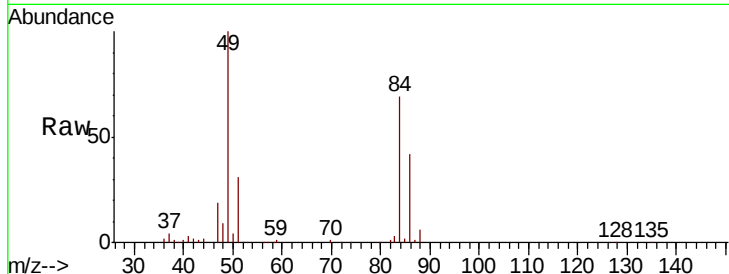


#20
Methvlene Chloride
Concen: 4.068 ppbv
RT: 4.35
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Mar 2022 21:48

Tot Ion:
Ion Ratio
84 100
49 144.
51 44.
86 60.6 50.9 76.3

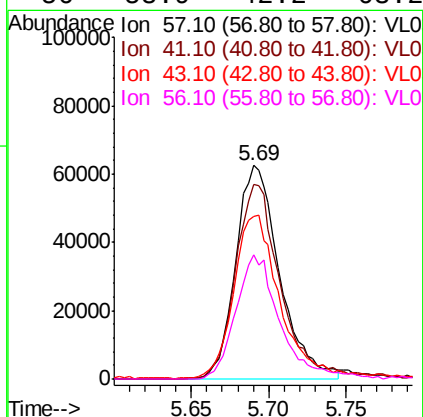
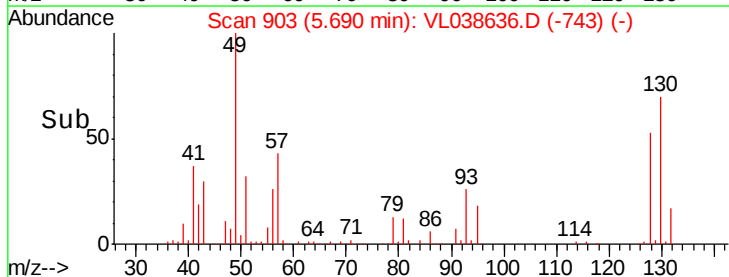
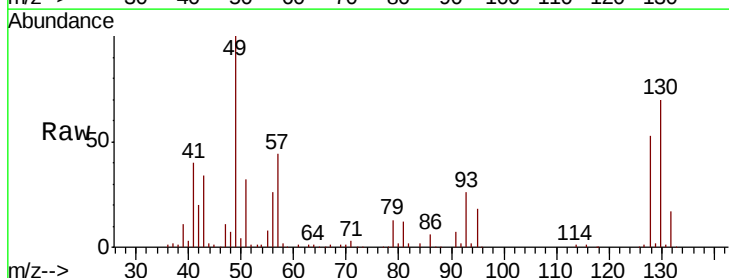
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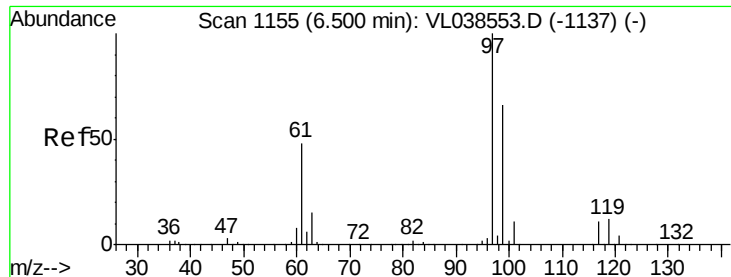
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#26
Hexane
Concen: 1.400 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion: 57 Resp: 122776
Ion Ratio Lower Upper
57 100
41 95.5 67.8 101.6
43 83.1 173.6 260.4#
56 58.9 42.2 63.2





#32

1,1,1-Trichloroethane

Concen: 0.031 ppbv m

RT: 6.52 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 21:48

Tot Ion:

Ion Ratio

97 100

99 64.

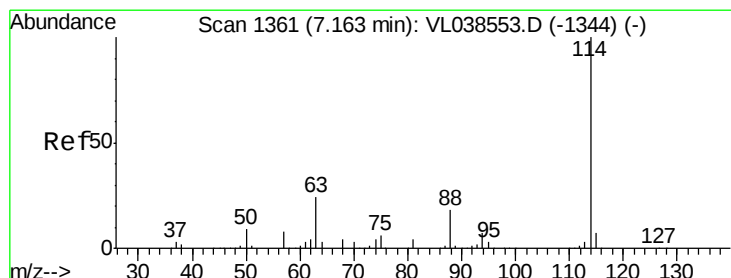
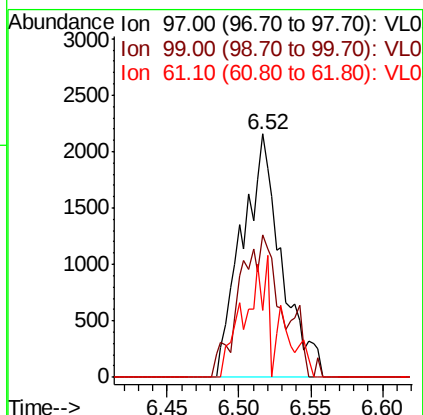
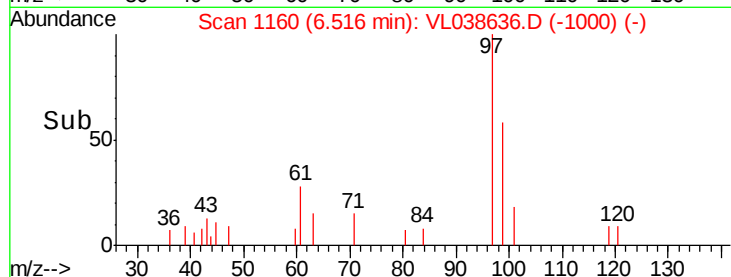
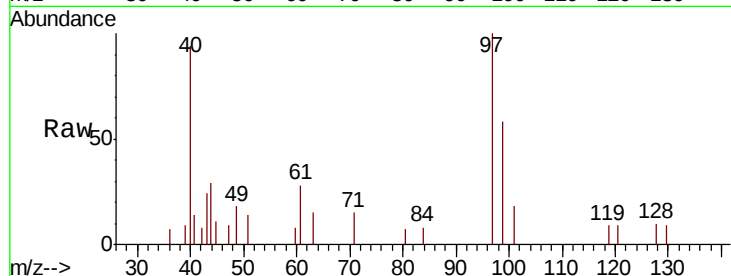
61 41.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/19/2022

Supervised By :Mahesh Dadoda 03/21/2022



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VL038636.D

Acq: 17 Mar 2022 21:46

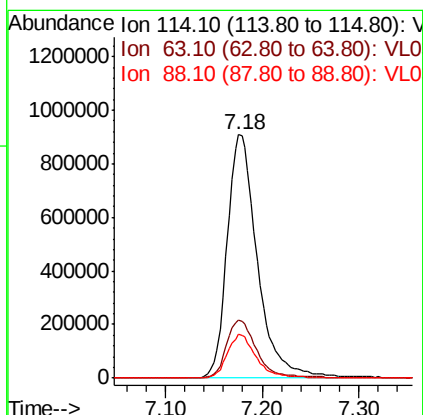
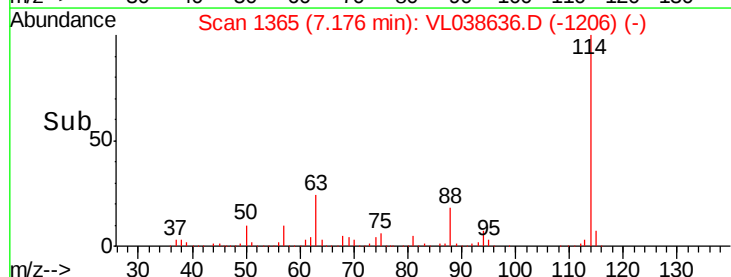
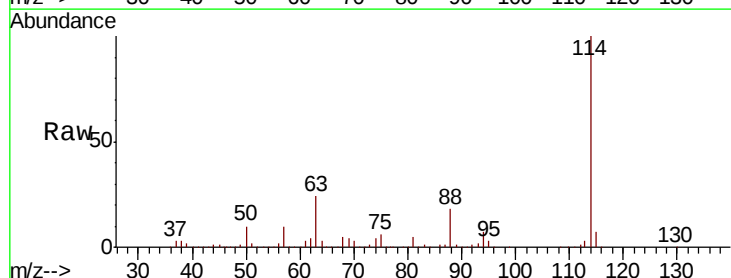
Tgt Ion:114 Resp: 1970343

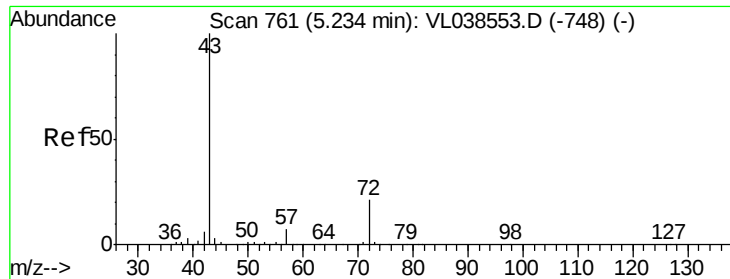
Ion Ratio Lower Upper

114 100

63 24.2 19.6 29.4

88 17.6 13.9 20.9



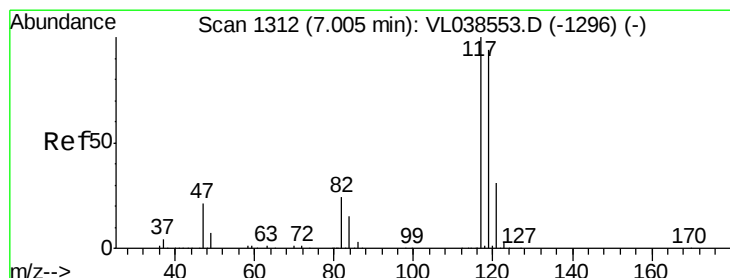
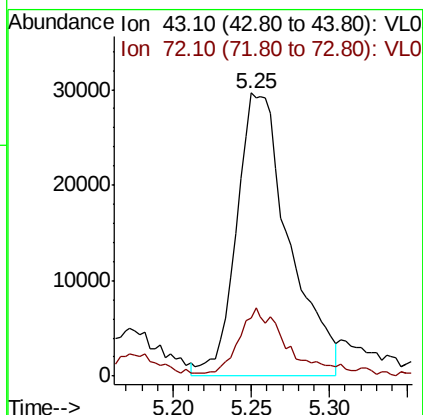
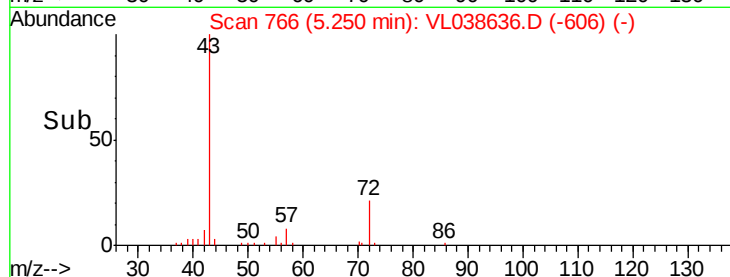
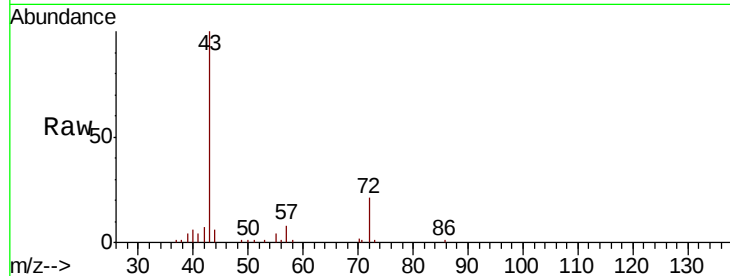


#34
2-Butanone
Concen: 1.365 ppbv m
RT: 5.25
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 17 Mar 2022 21:48

Tot Ion:
Ion Ratio
43 100
72 0.

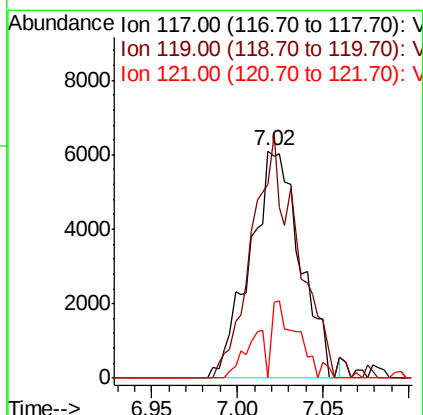
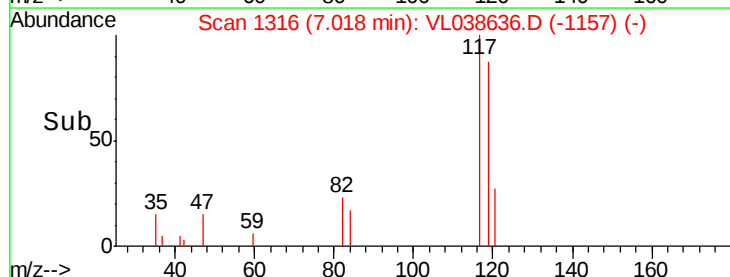
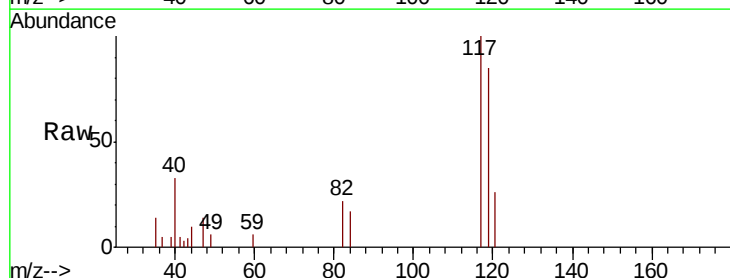
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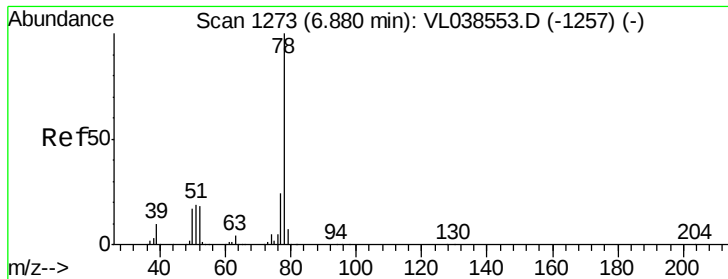
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#35
Carbon Tetrachloride
Concen: 0.092 ppbv m
RT: 7.02 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion:117 Resp: 12421
Ion Ratio Lower Upper
117 100
119 85.4 75.2 112.8
121 0.0 24.8 37.2#



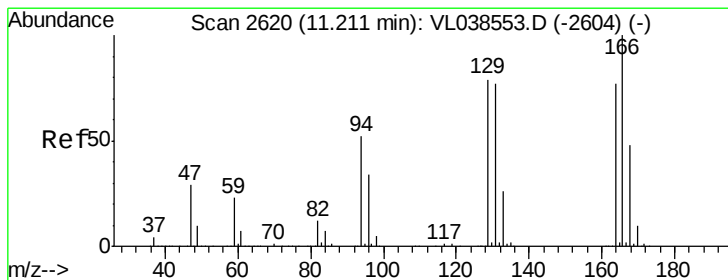
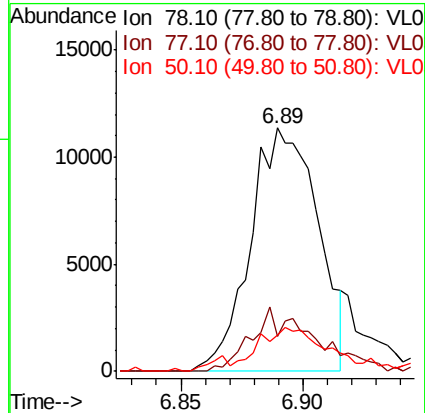
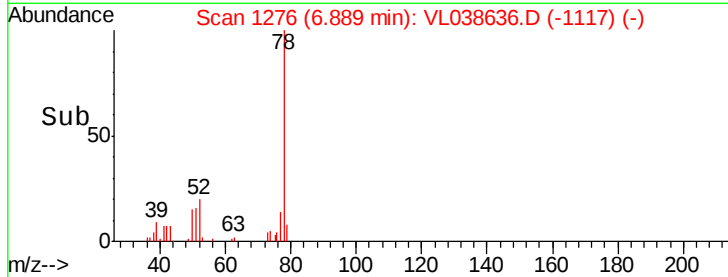
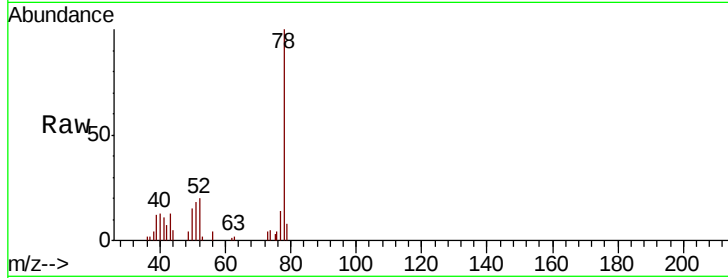


#36
Benzene
Concen: 0.122 ppbv
RT: 6.89
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 17 Mar 2022 21:46

Tot Ion:
Ion Ratio
78 100
77 13.
50 13.

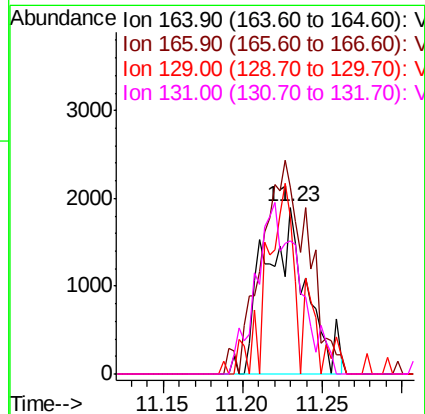
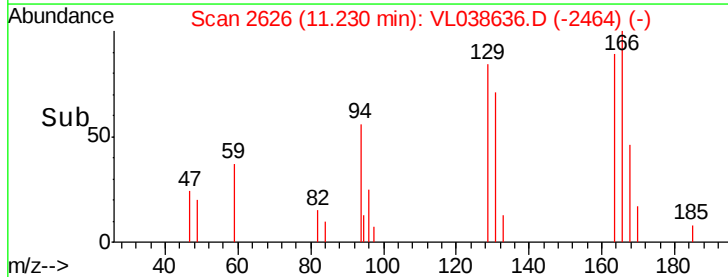
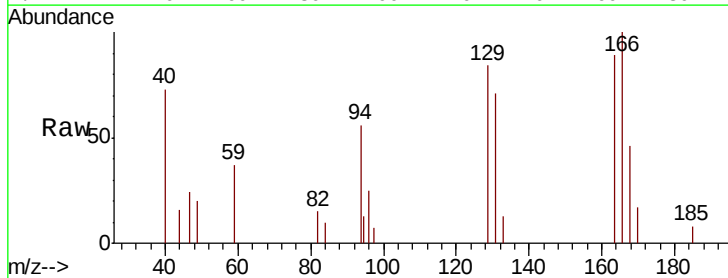
Manual Integrations
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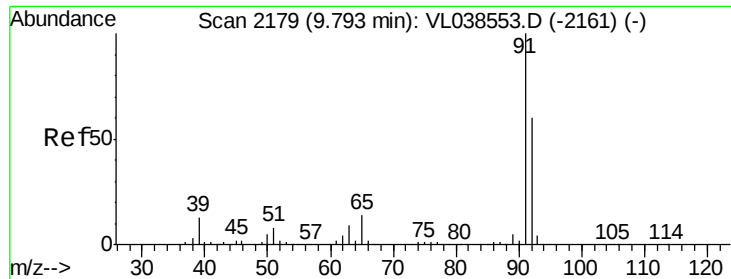
Reviewed By :Semsettin Yesilyurt 03/19/2022
Supervised By :Mahesh Dadoda 03/21/2022



#52
Tetrachloroethene
Concen: 0.053 ppbv m
RT: 11.23 min Scan# 2626
Delta R.T. 0.02 min
Lab File: VL038636.D
Acq: 17 Mar 2022 21:46

Tgt Ion:164 Resp: 3473
Ion Ratio Lower Upper
164 100
166 112.4 103.4 155.2
129 94.6 81.3 121.9
131 80.2 79.8 119.8





#53

Toluene

Concen: 0.416 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Mar 2022 21:48 C0PA6

Tot Ion:

Ion Ratio

91 100

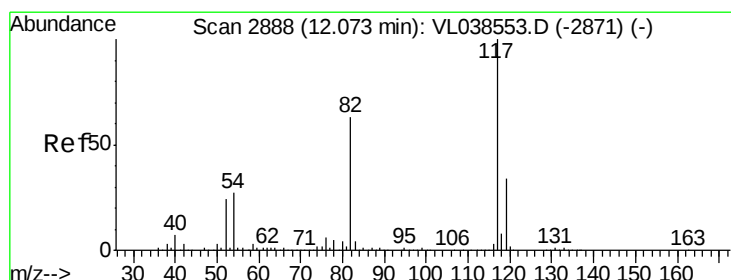
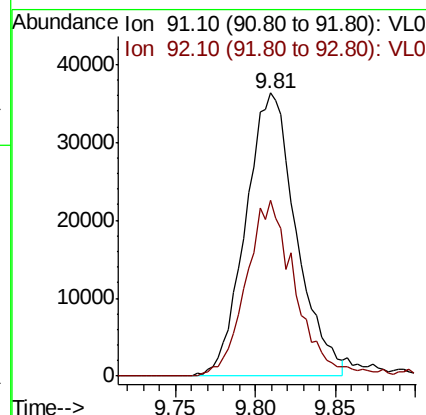
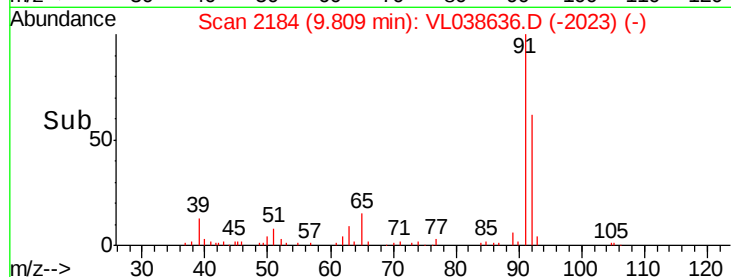
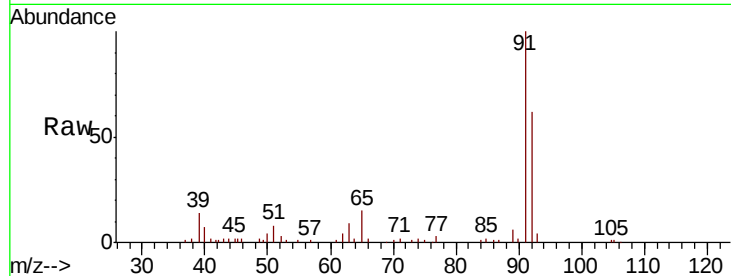
92 61.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/19/2022

Supervised By :Mahesh Dadoda 03/21/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.01 min

Lab File: VL038636.D

Acq: 17 Mar 2022 21:46

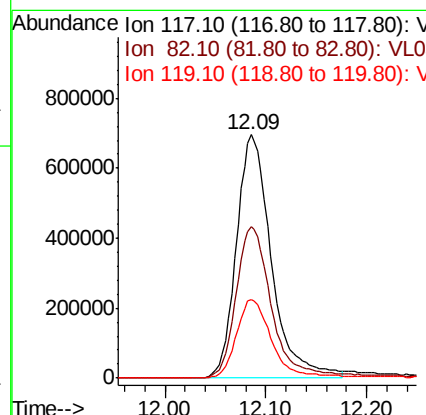
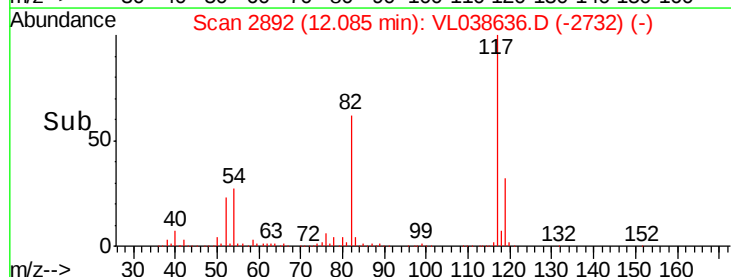
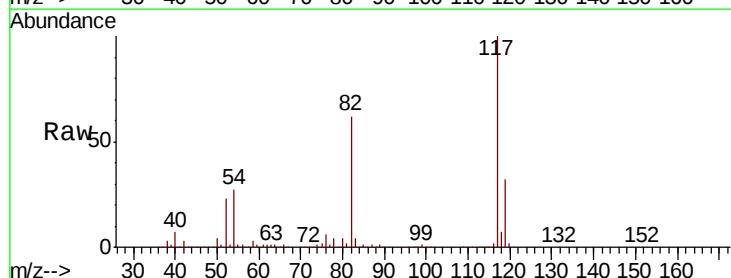
Tgt Ion:117 Resp: 1681466

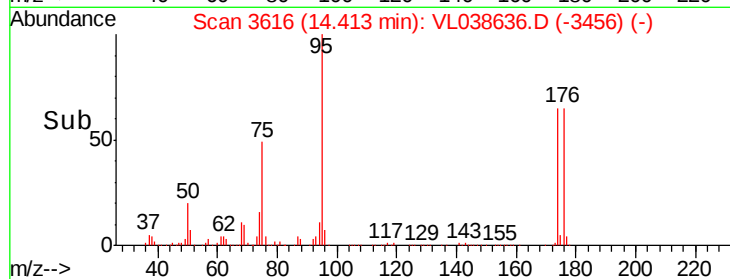
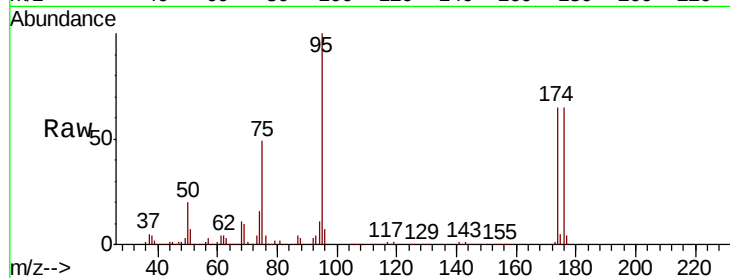
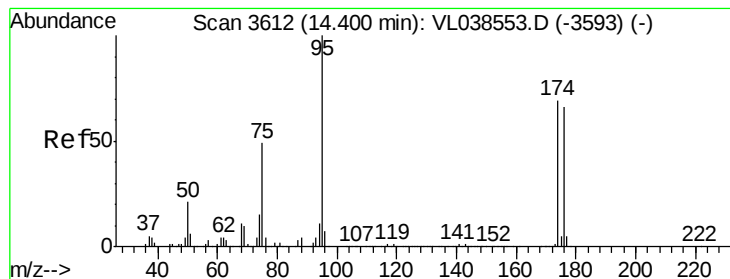
Ion Ratio Lower Upper

117 100

82 66.3 52.5 78.7

119 34.2 46.4 69.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.205 ppbv

RT: 14.41

Delta R.T

Lab File: ClientSampleId :

Acq: 17 Mar 2022 21:48

Tot Ion:

Ion Ratio

95 100

174 73.

175 4.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/19/2022

Supervised By :Mahesh Dadoda 03/21/2022

