

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
 Data File : VL038728.D
 Acq On : 23 Mar 2022 23:10
 Operator : SY/AP
 Sample : N2047-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PB0

Manual Integrations
 APPROVED

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

Quant Time: Mar 27 16:16:04 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	747200	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1982830	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1784914	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1290030	9.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	26234	0.26	ppbv	98
3) Chlorodifluoromethane	2.98	51	20750	0.26	ppbv	97
4) Chloromethane	3.14	50	11325	0.26	ppbv	92
9) Propene	3.01	41	40168	1.05	ppbv	97
11) Trichlorofluoromethane	3.94	101	25394	0.29	ppbv	91
13) Ethanol	3.60	45	256166	60.95	ppbv	98
15) Acetone	3.84	43	966041	14.98	ppbv #	85
17) tert-Butyl alcohol	4.29	59	33130m	0.59	ppbv	
19) Isopropyl Alcohol	3.96	45	52446	1.47	ppbv #	1
20) Methylene Chloride	4.34	84	81975	3.02	ppbv	95
27) Carbon Disulfide	4.55	76	9761m	0.14	ppbv	
29) Chloroform	5.74	83	138866	1.19	ppbv	99
34) 2-Butanone	5.23	43	1299886	16.56	ppbv	98
35) Carbon Tetrachloride	7.01	117	3968m	0.03	ppbv	
36) Benzene	6.88	78	18075	0.12	ppbv #	93
51) 2-Hexanone	10.13	43	111526	1.06	ppbv #	96
52) Tetrachloroethene	11.21	164	1334245	23.83	ppbv	98
53) Toluene	9.80	91	67017	0.41	ppbv	99
58) Ethyl Benzene	12.70	91	21096m	0.10	ppbv	
59) m/p-Xylene	12.95	91	42293m	0.23	ppbv	
60) o-Xylene	13.67	91	22955	0.13	ppbv	94
73) 1,3,5-Trimethylbenzene	15.99	105	21078m	0.11	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	42597m	0.21	ppbv	

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

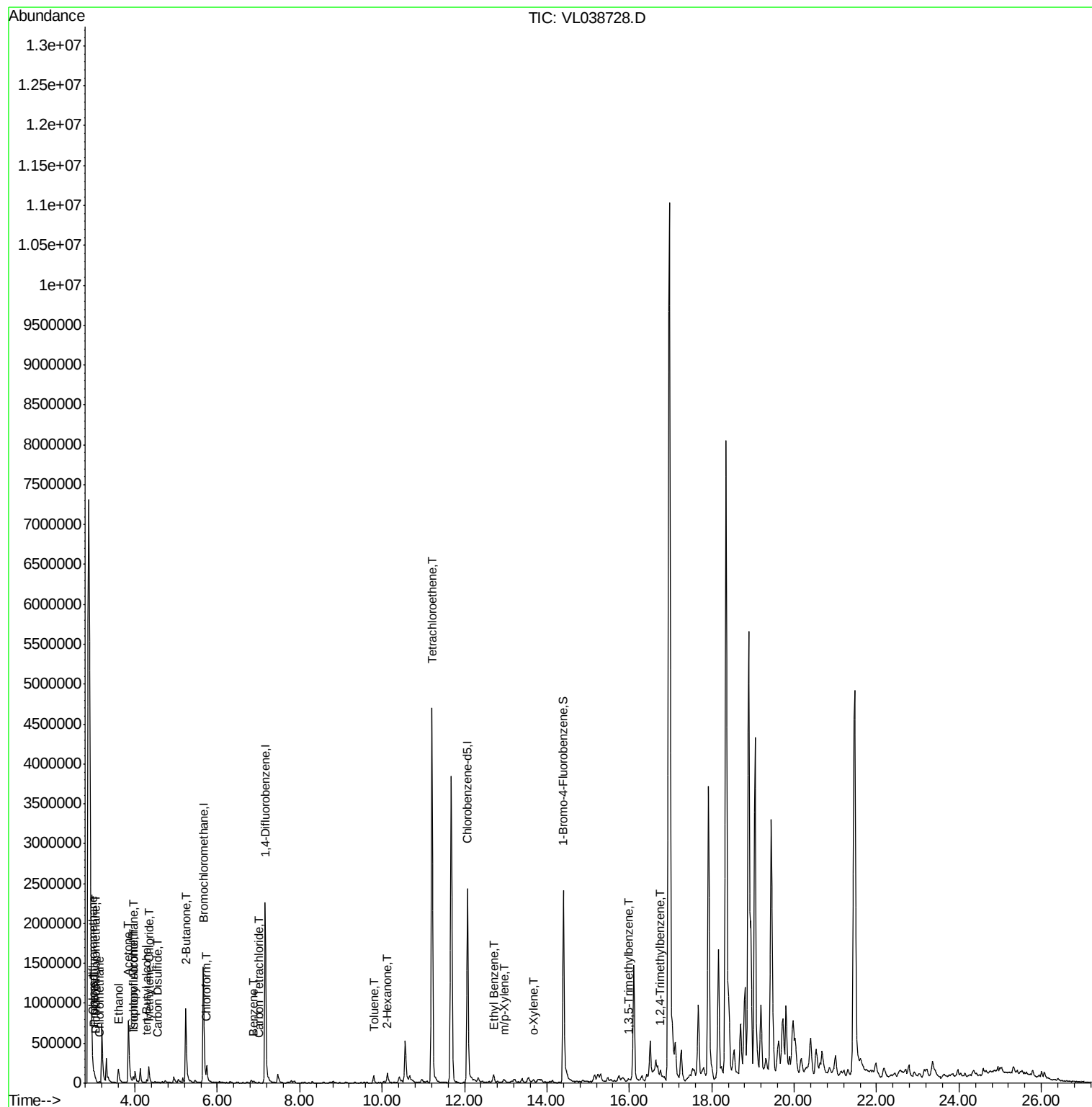
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038728.D
Acq On : 23 Mar 2022 23:10
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ALS Vial : 1 Sample Multiplier: 1

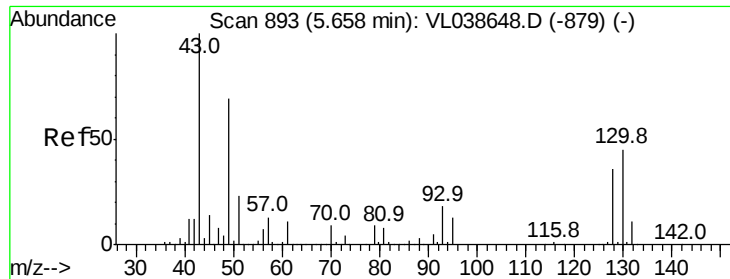
Instrument :
MSVOA_L
ClientSampleId :
C0PB0

Manual Integrations
APPROVED

Quant Time: Mar 27 16:16:04 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: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 23:10

Tgt Ion:

Ion Ratio

49 100

128 56.

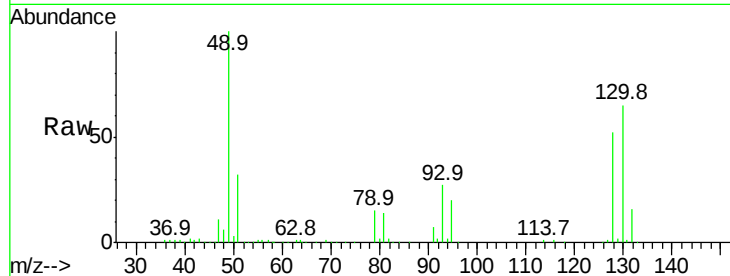
130 71.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

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

500000

400000

300000

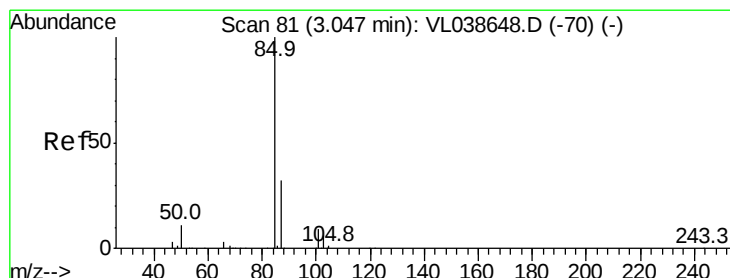
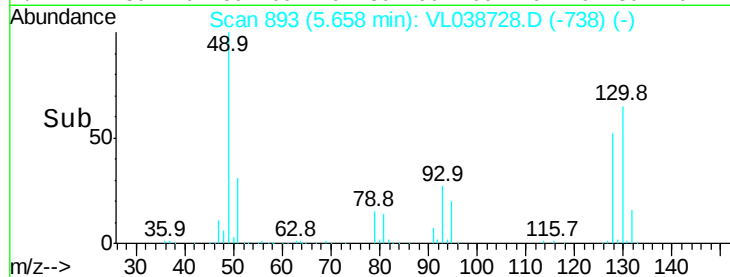
200000

100000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.26 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038728.D

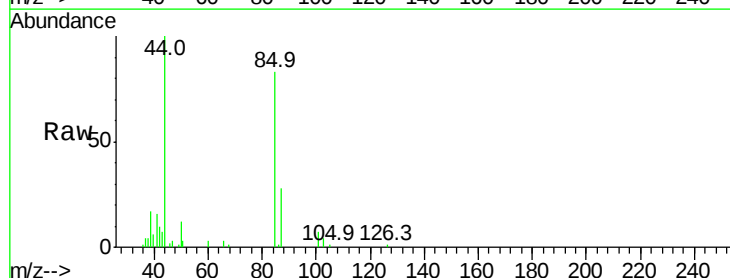
Acq: 23 Mar 2022 23:10

Tgt Ion: 85 Resp: 26234

Ion Ratio Lower Upper

85 100

87 33.6 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

15000

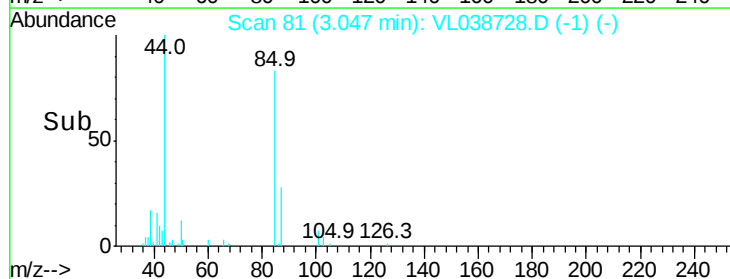
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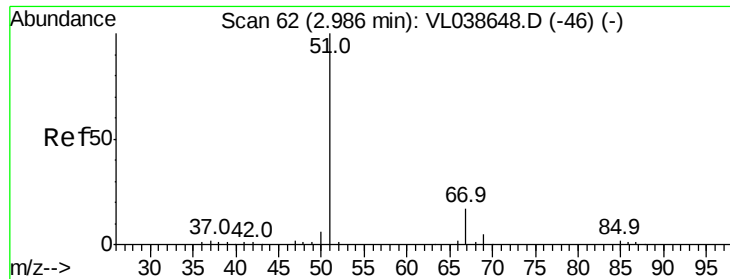
5000

0

3.00 3.05 3.10

Time-->





#3

Chlorodifluoromethane

Concen: 0.26 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: COPB0

Acq: 23 Mar 2022 23:10

Tgt Ion:

Ion Ratio

51 100

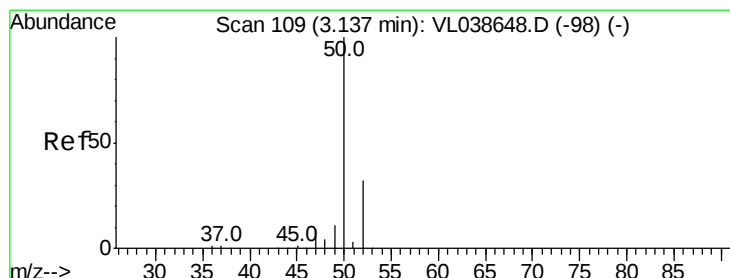
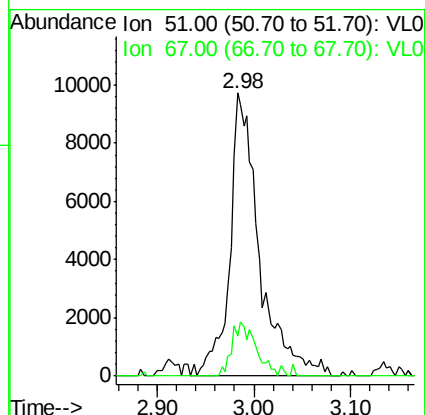
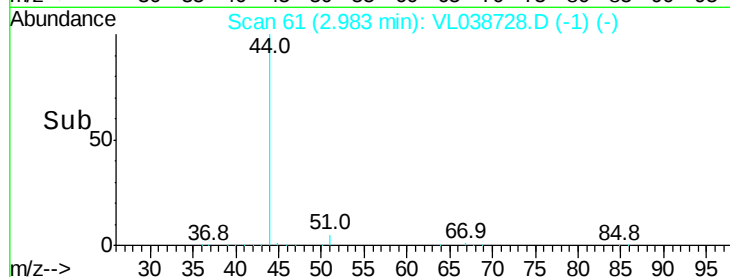
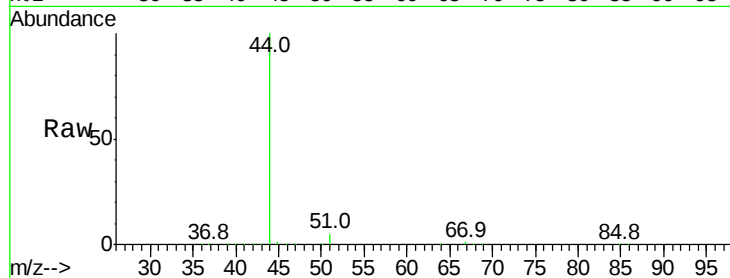
67 16.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#4

Chloromethane

Concen: 0.26 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL038728.D

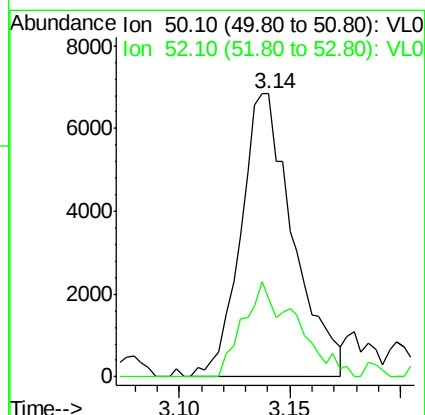
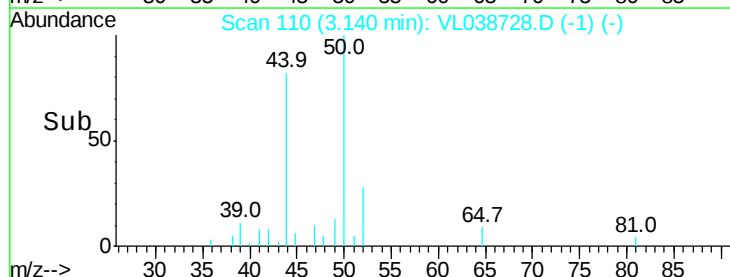
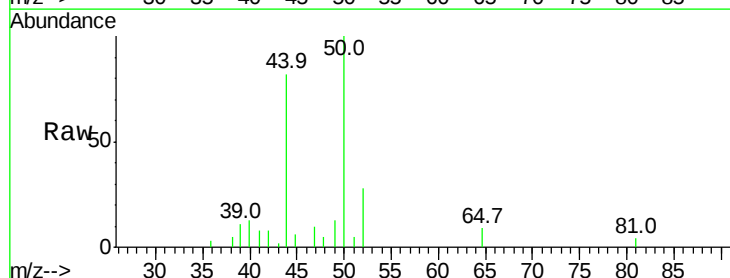
Acq: 23 Mar 2022 23:10

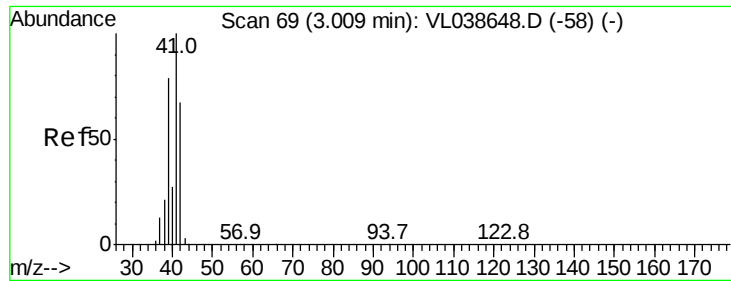
Tgt Ion: 50 Resp: 11325

Ion Ratio Lower Upper

50 100

52 27.6 25.5 38.3





#9

Propene

Concen: 1.05 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 23:10

Tgt Ion:

Ion Ratio

41 100

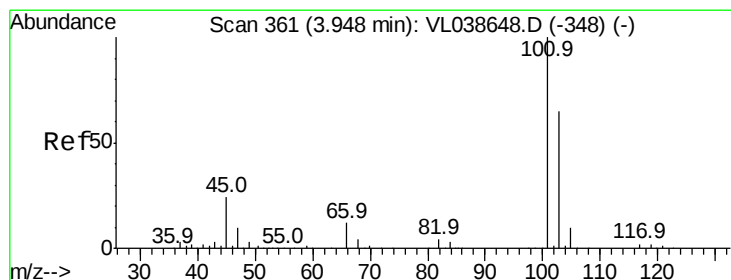
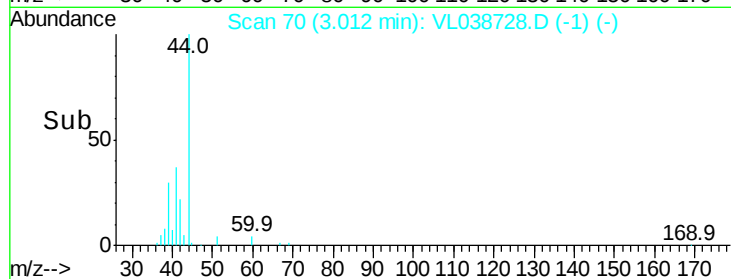
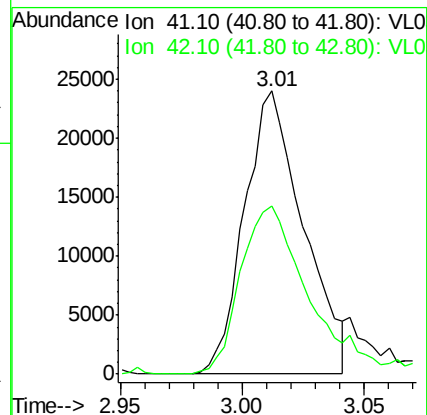
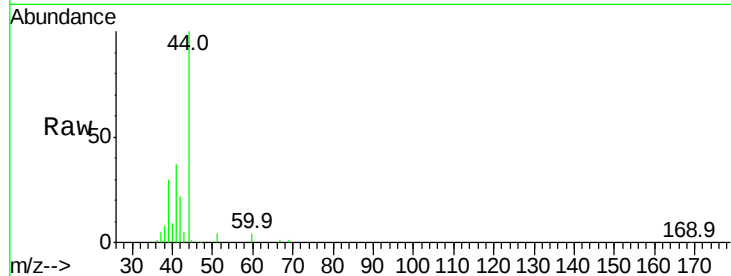
42 72.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#11

Trichlorofluoromethane

Concen: 0.29 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL038728.D

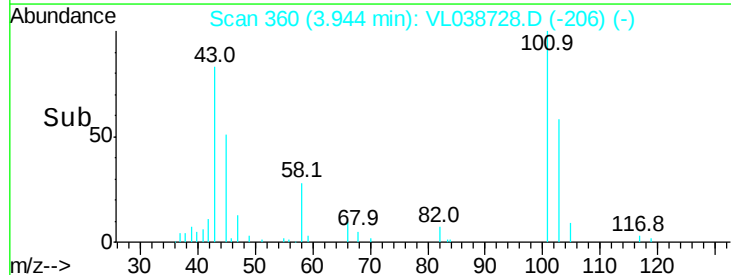
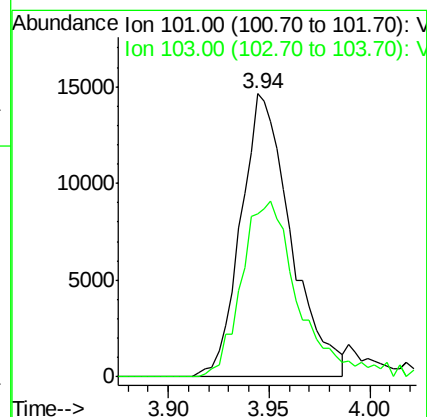
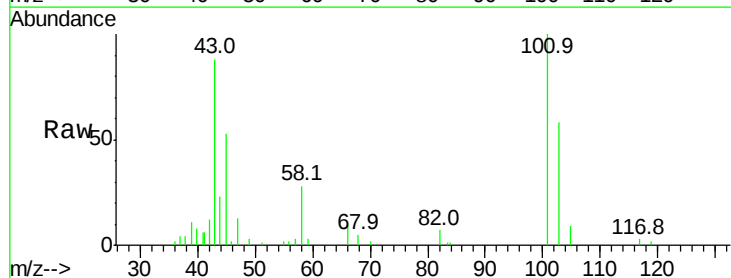
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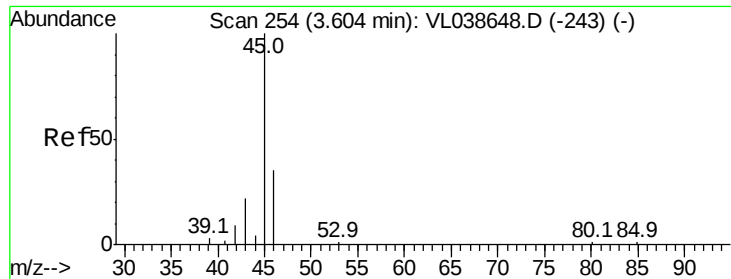
Tgt Ion:101 Resp: 25394

Ion Ratio Lower Upper

101 100

103 57.6 51.9 77.9



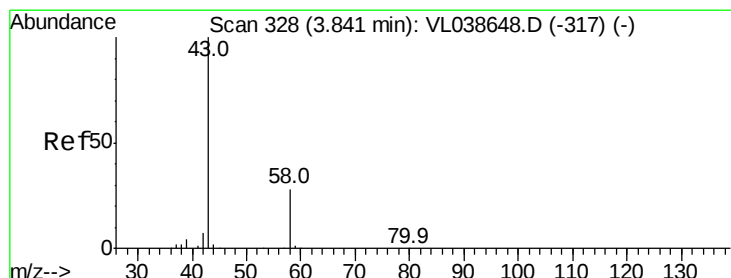
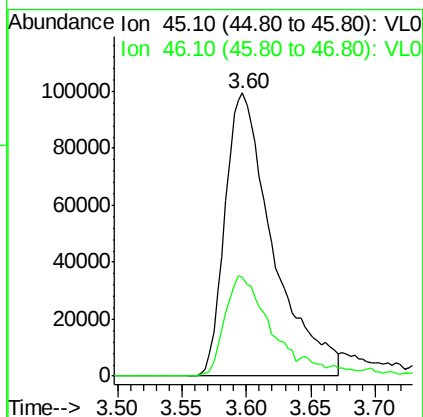
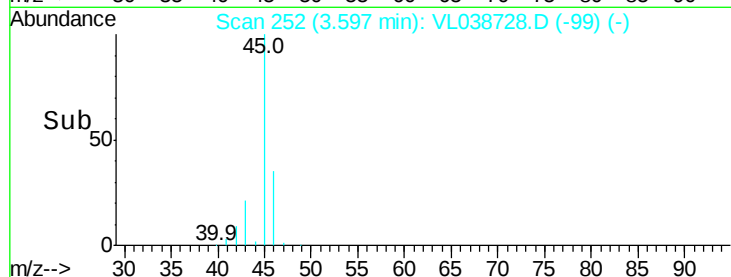
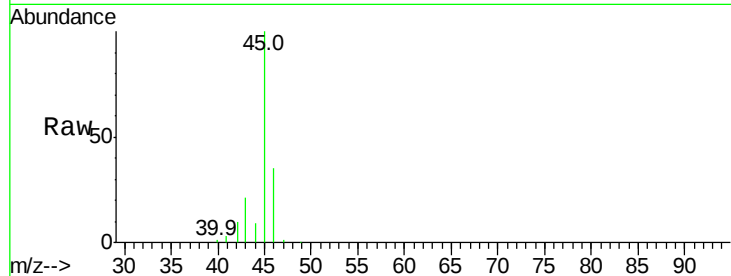


#13
Ethanol
Concen: 60.95 ppbv
RT: 3.60
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 23:10

Tgt Ion:
Ion Ratio
45 100
46 38.

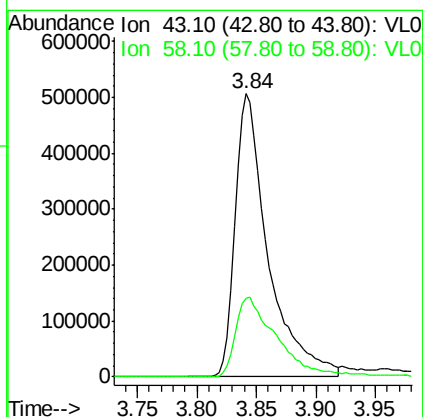
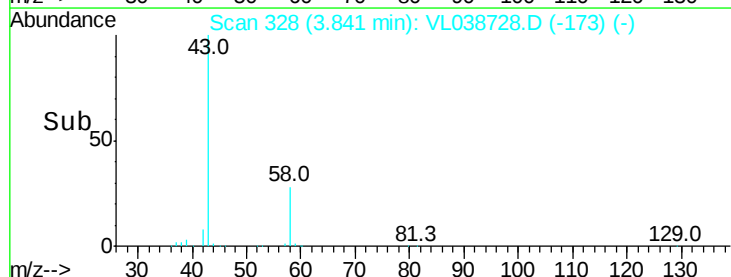
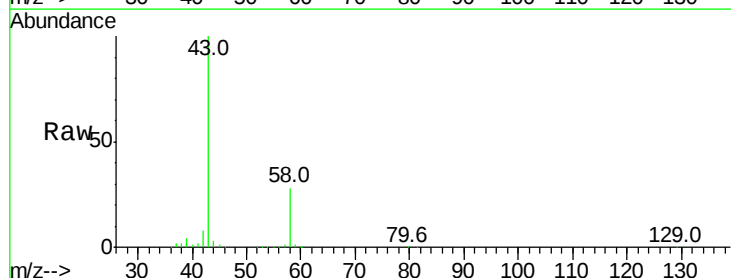
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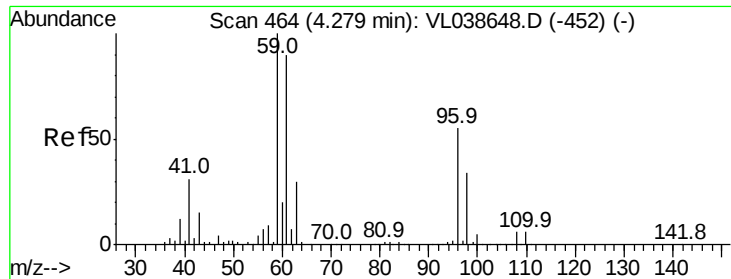
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#15
Acetone
Concen: 14.98 ppbv
RT: 3.84 min Scan# 328
Delta R.T.: -0.00 min
Lab File: VL038728.D
Acq: 23 Mar 2022 23:10

Tgt Ion: 43 Resp: 966041
Ion Ratio Lower Upper
43 100
58 37.0 23.3 34.9#



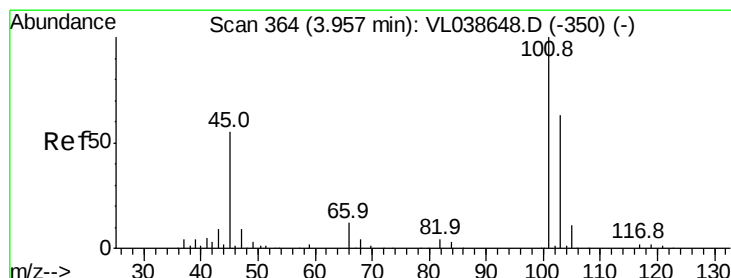
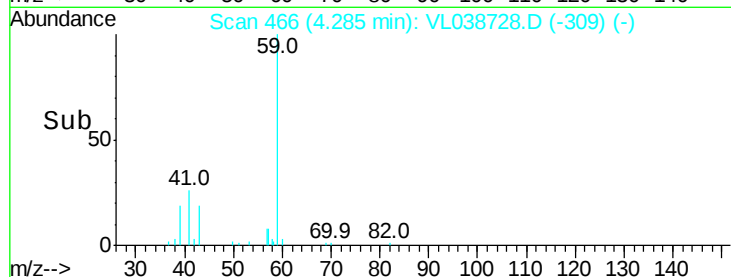
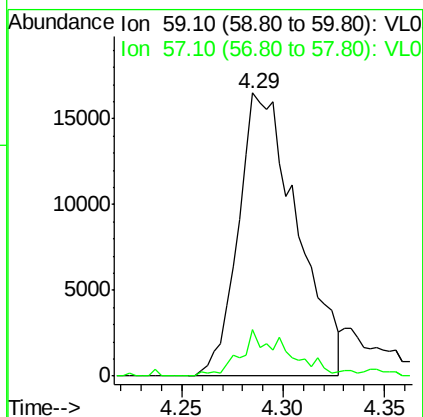
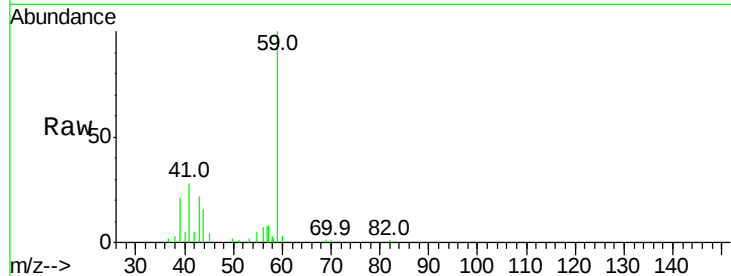


#17
tert-Butyl alcohol
Concen: 0.59 ppbv m
RT: 4.29
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
COPBO
Acq: 23 Mar 2022 23:10

Tgt Ion:
Ion Ratio
59 100
57 14.

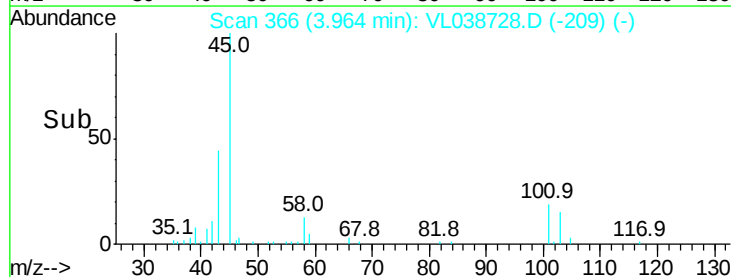
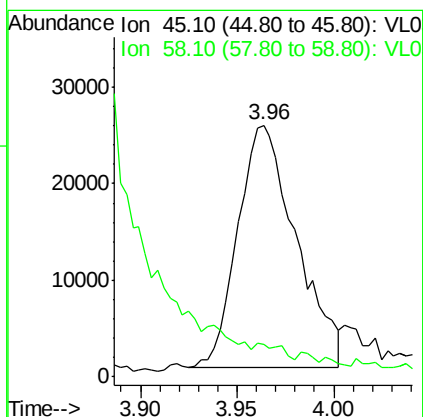
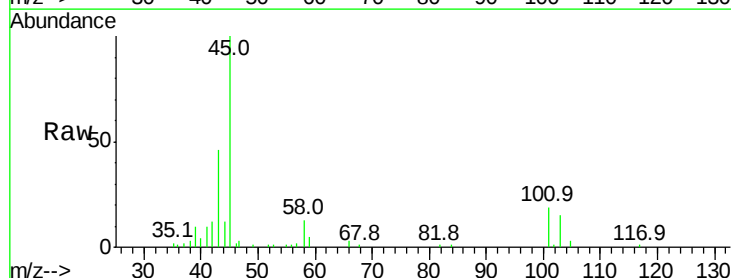
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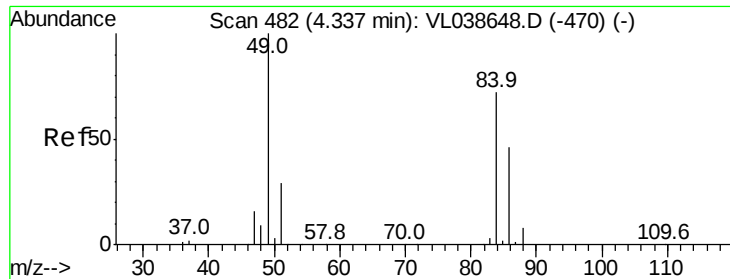
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#19
Isopropyl Alcohol
Concen: 1.47 ppbv
RT: 3.96 min Scan# 366
Delta R.T. 0.01 min
Lab File: VL038728.D
Acq: 23 Mar 2022 23:10

Tgt Ion: 45 Resp: 52446
Ion Ratio Lower Upper
45 100
58 681.7 2.3 3.5#



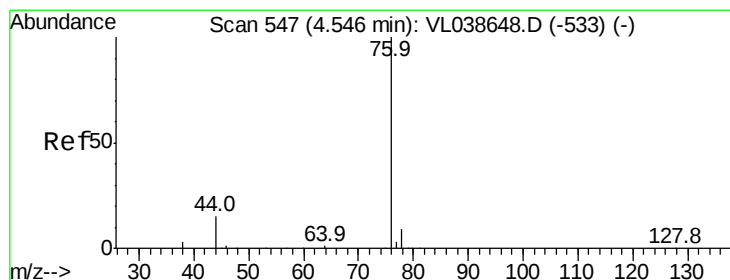
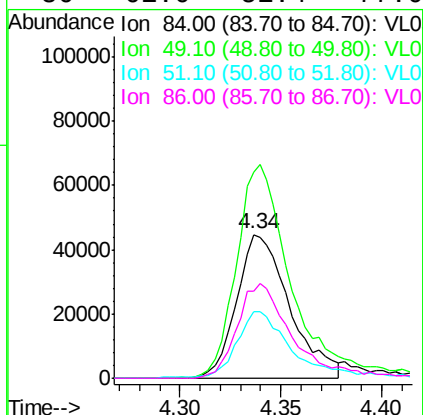
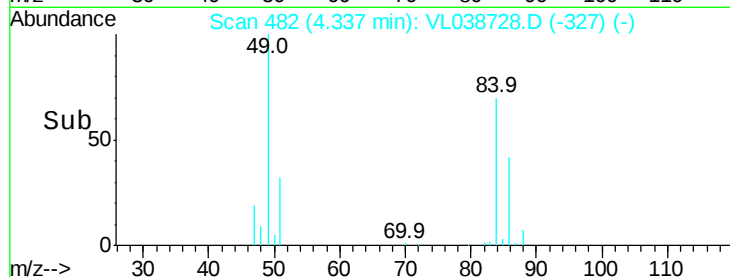
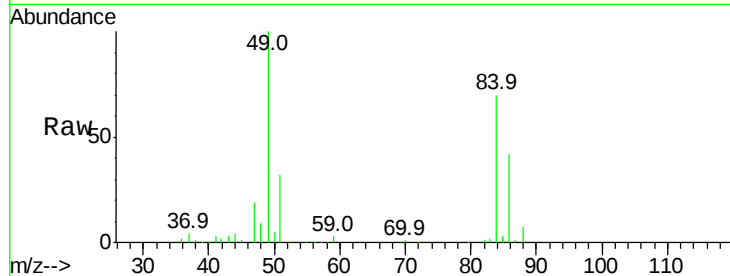


#20
Methylene Chloride
Concen: 3.02 ppbv
RT: 4.34
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 23:10

Tgt Ion: 84
Ion Ratio: 100
49 143.
51 46.
86 61.0 51.4 77.0

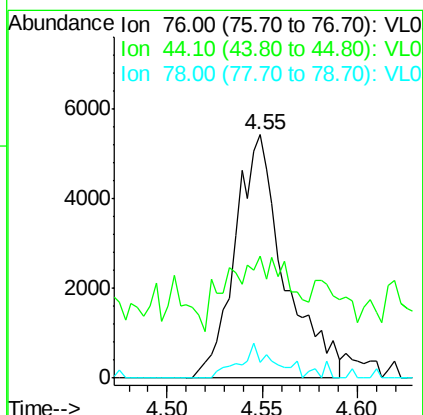
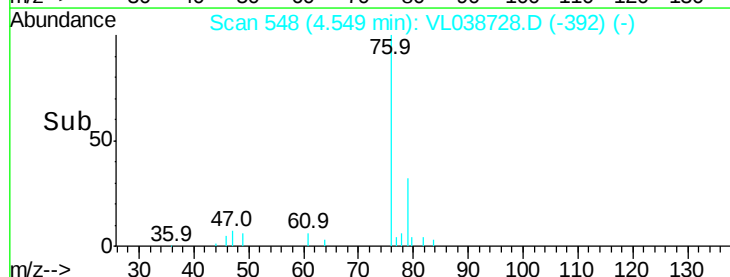
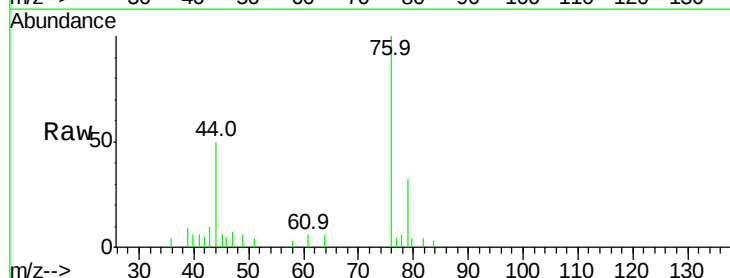
Manual Integrations
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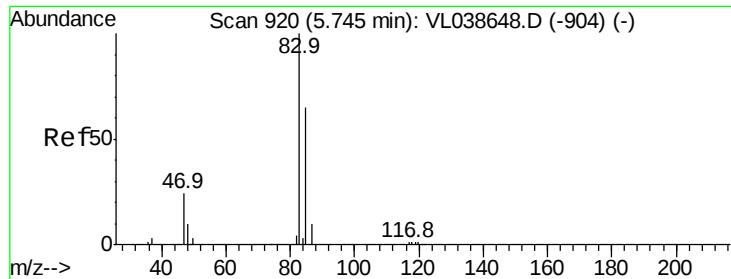
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#27
Carbon Disulfide
Concen: 0.14 ppbv m
RT: 4.55 min Scan# 548
Delta R.T. 0.00 min
Lab File: VL038728.D
Acq: 23 Mar 2022 23:10

Tgt Ion: 76 Resp: 9761
Ion Ratio Lower Upper
76 100
44 52.2 12.4 18.6#
78 11.9 7.8 11.8#



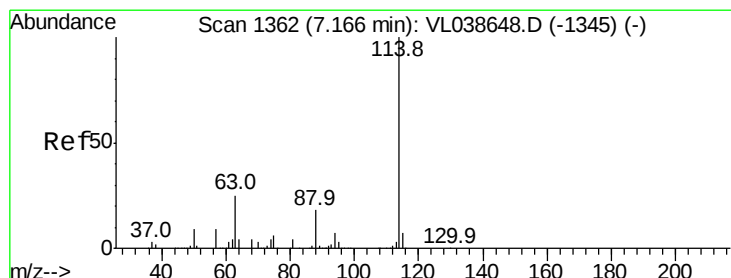
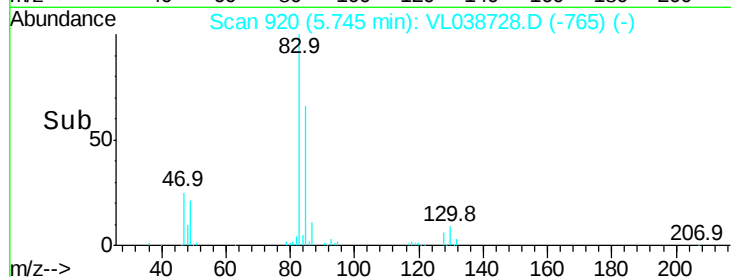
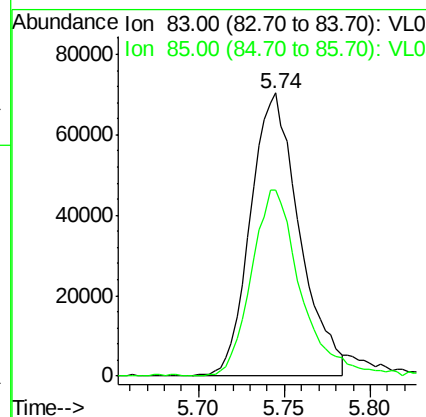
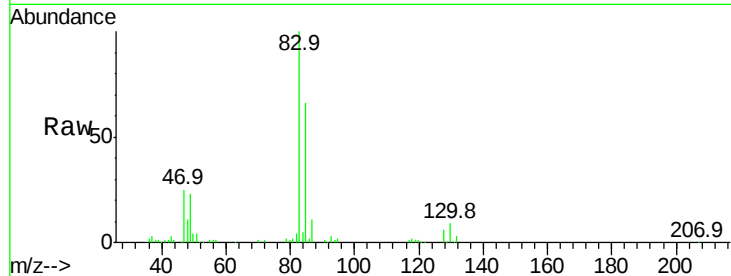


#29
Chloroform
Concen: 1.19 ppbv
RT: 5.74
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
COPB0
Acq: 23 Mar 2022 23:10

Tgt Ion:
Ion Ratio
83 100
85 65.

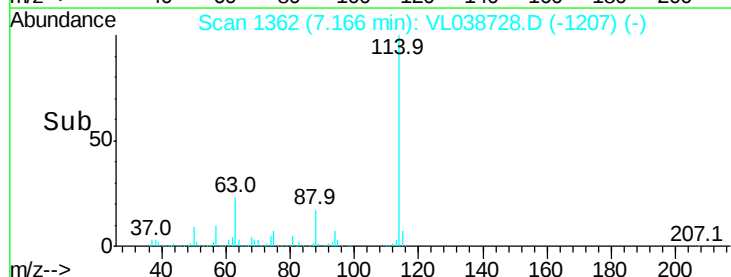
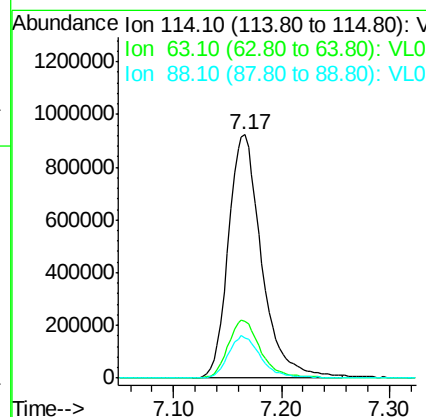
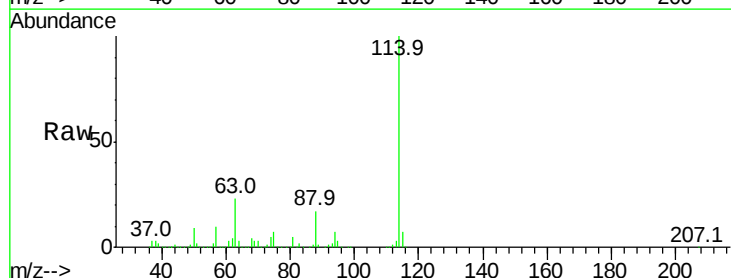
Manual Integrations
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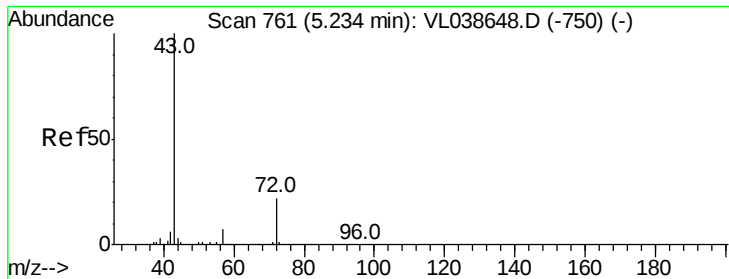
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VL038728.D
Acq: 23 Mar 2022 23:10

Tgt Ion:114 Resp: 1982830
Ion Ratio Lower Upper
114 100
63 23.8 19.4 29.0
88 17.2 13.9 20.9



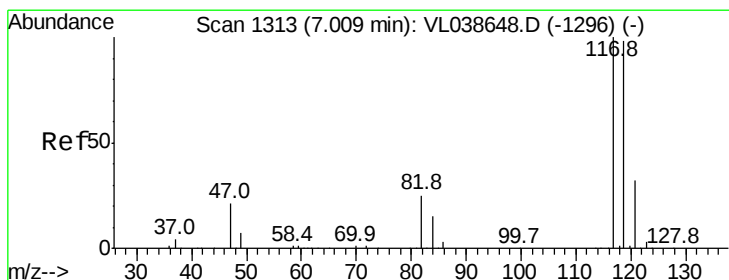
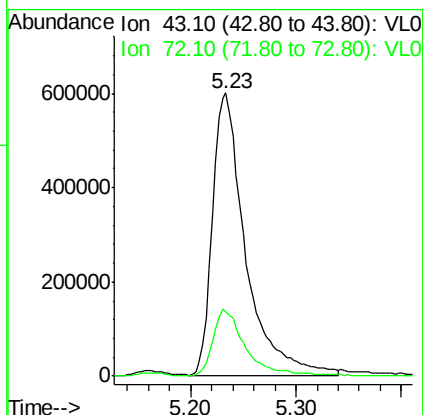
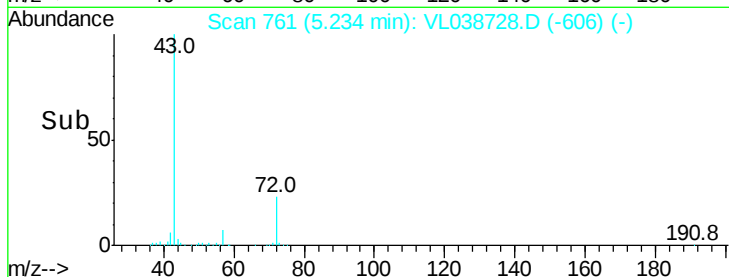
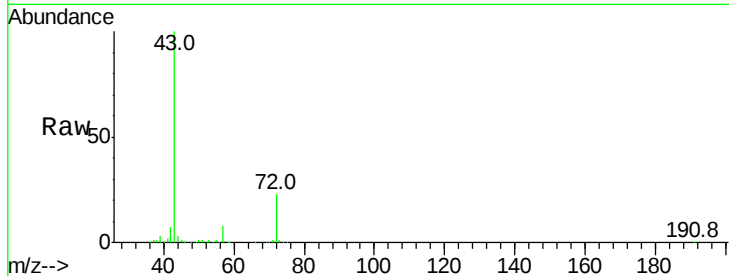


#34
2-Butanone
Concen: 16.56 ppbv
RT: 5.23
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 23:10

Tgt Ion:
Ion Ratio
43 100
72 23.

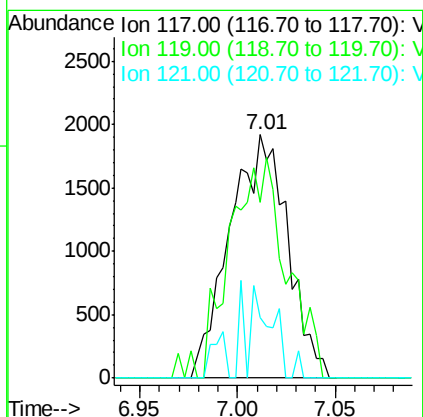
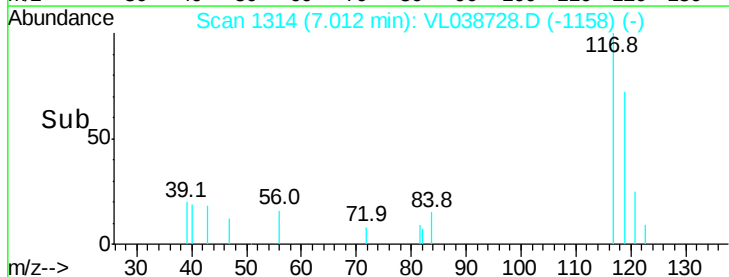
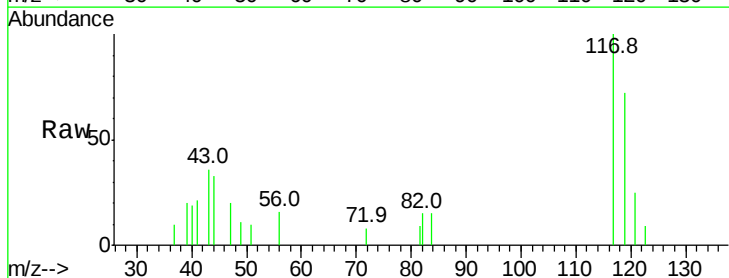
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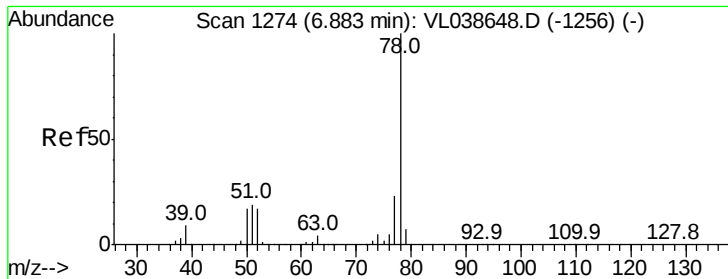
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#35
Carbon Tetrachloride
Concen: 0.03 ppbv m
RT: 7.01 min Scan# 1314
Delta R.T. 0.00 min
Lab File: VL038728.D
Acq: 23 Mar 2022 23:10

Tgt Ion:117 Resp: 3968
Ion Ratio Lower Upper
117 100
119 72.1 78.1 117.1#
121 25.0 25.8 38.6#





#36

Benzene

Concen: 0.12 ppbv

RT: 6.88 Instrument: MSVOA_L

Delta R.T. 0.01

Lab File: VL038728.D

Acq: 23 Mar 2022 23:10

ClientSampleId: COPB0

Tgt Ion:

Ion Ratio

78 100

77 17.

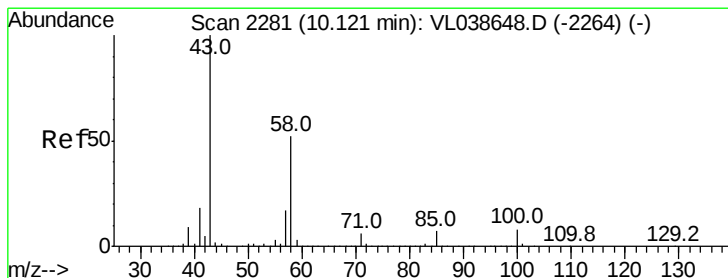
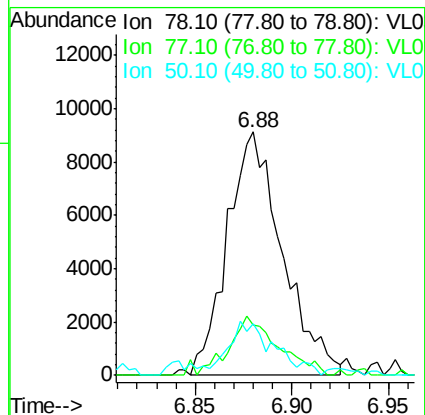
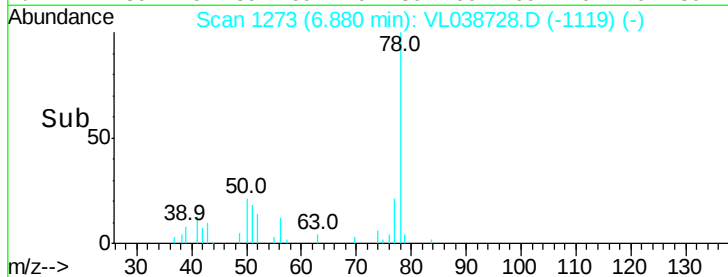
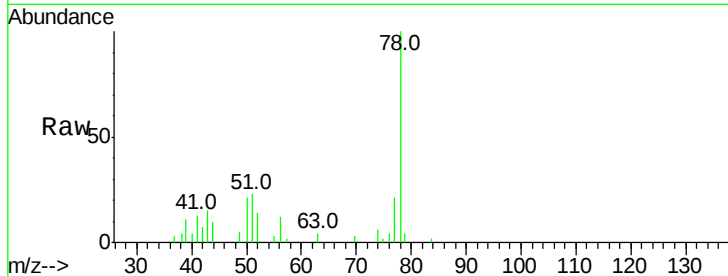
50 18.

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Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/28/2022



#51

2-Hexanone

Concen: 1.06 ppbv

RT: 10.13 min Scan# 2283

Delta R.T. 0.01 min

Lab File: VL038728.D

Acq: 23 Mar 2022 23:10

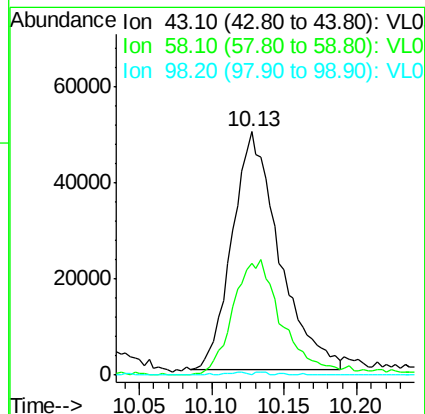
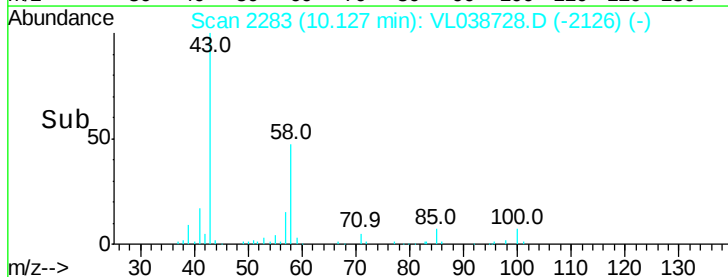
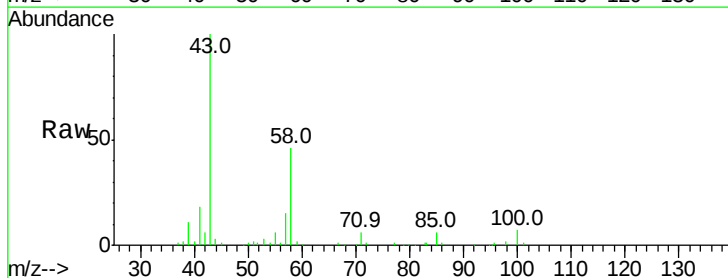
Tgt Ion: 43 Resp: 111526

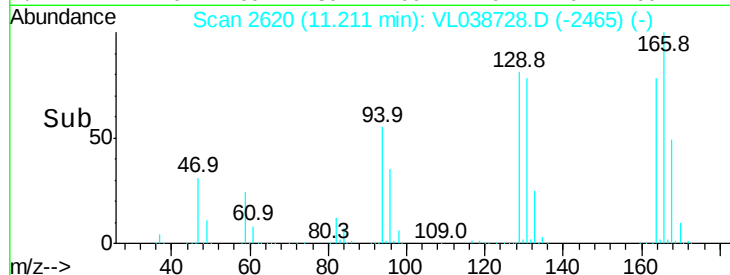
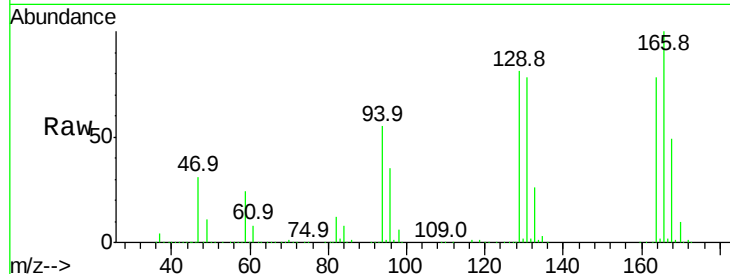
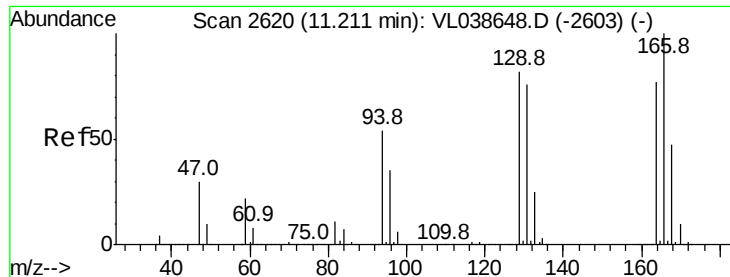
Ion Ratio Lower Upper

43 100

58 54.0 41.2 61.8

98 1.1 0.2 0.4#





#52

Tetrachloroethene

Concen: 23.83 ppbv

RT: 11.21

Delta R.T. MSVOA_L

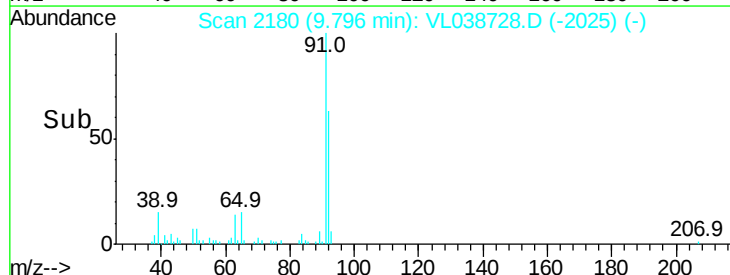
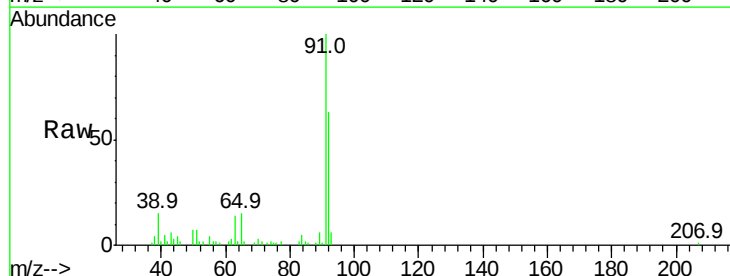
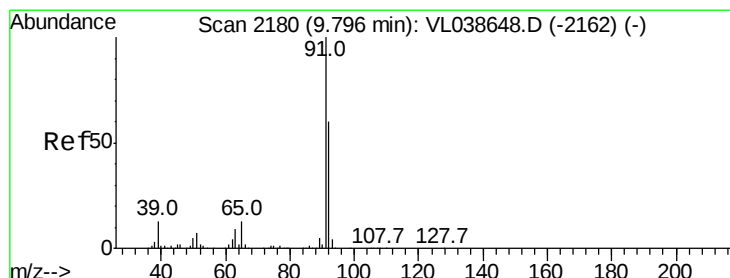
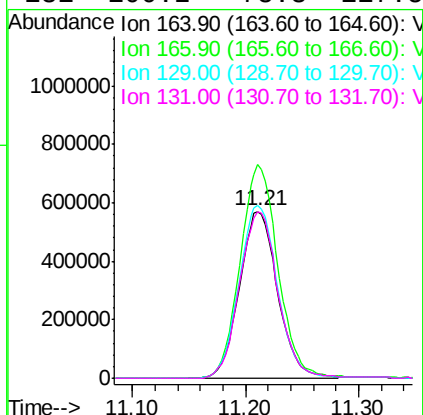
Lab File: ClientSampleId :

Acq: 23 Mar 2022 23:10

Tgt Ion: 1
Ion Ratio
164 100
166 128.
129 104.
131 100.2 78.3 117.5

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



#53

Toluene

Concen: 0.41 ppbv

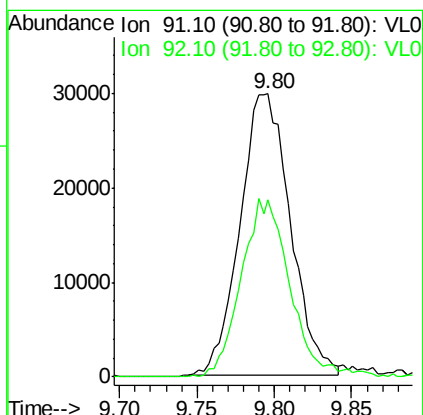
RT: 9.80 min Scan# 2180

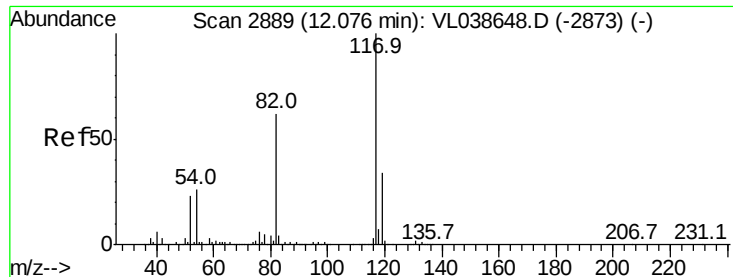
Delta R.T. -0.00 min

Lab File: VL038728.D

Acq: 23 Mar 2022 23:10

Tgt Ion: 91 Resp: 67017
Ion Ratio Lower Upper
91 100
92 61.7 48.7 73.1



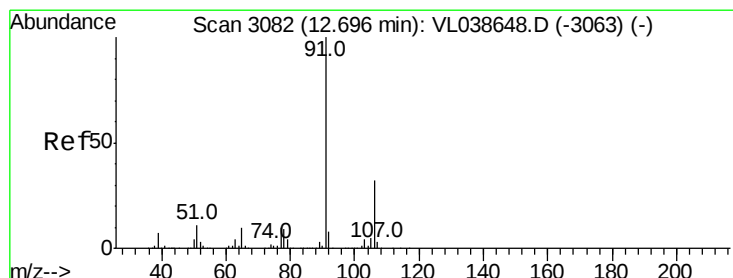
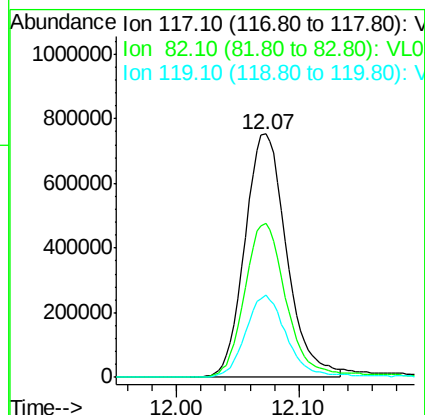
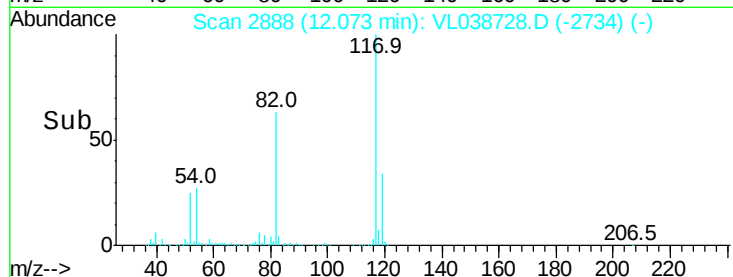
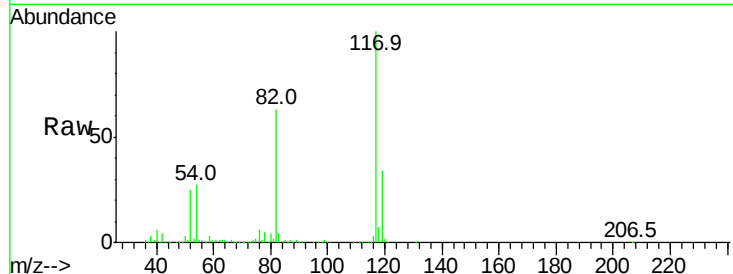


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.07
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
COPB0
Acq: 23 Mar 2022 23:10

Tgt Ion: 1
Ion Ratio
117 100
82 66.
119 34.

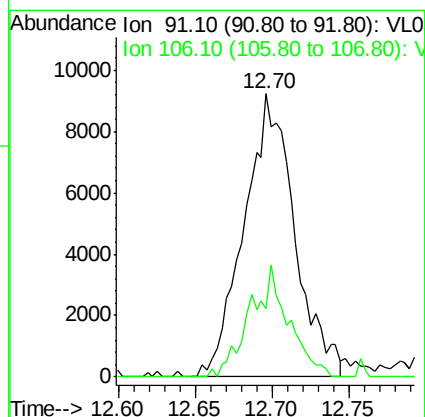
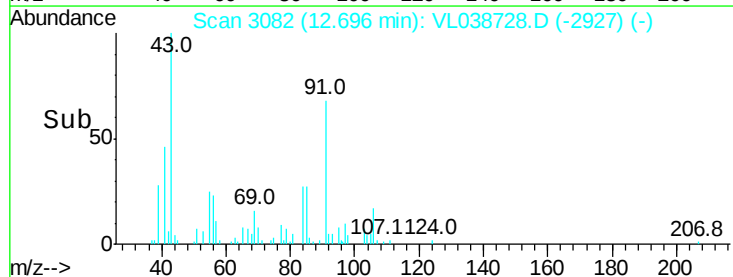
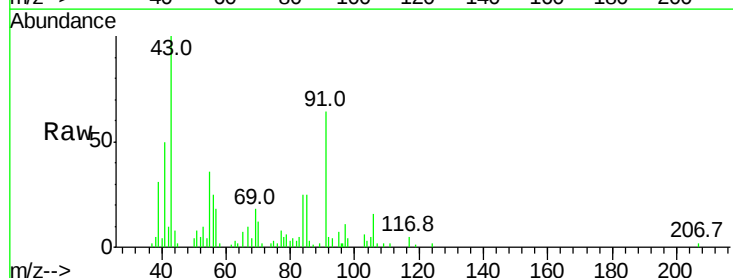
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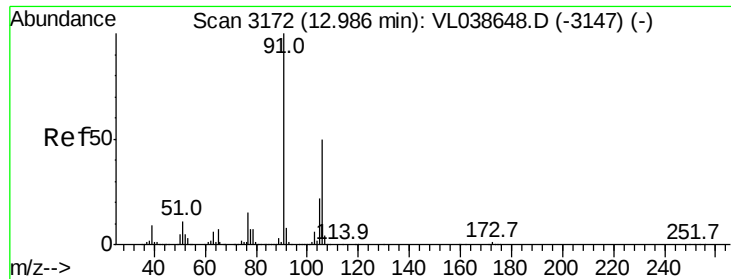
Reviewed By : Semsettin Yesilyurt 03/24/2022
Supervised By : Mahesh Dadoda 03/28/2022



#58
Ethyl Benzene
Concen: 0.10 ppbv m
RT: 12.70 min Scan# 3082
Delta R.T. -0.00 min
Lab File: VL038728.D
Acq: 23 Mar 2022 23:10

Tgt Ion: 91 Resp: 21096
Ion Ratio Lower Upper
91 100
106 24.3 25.4 38.0#



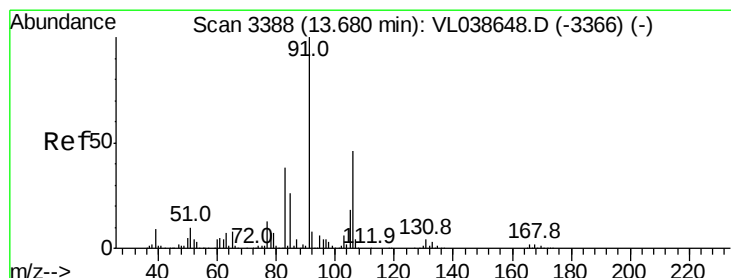
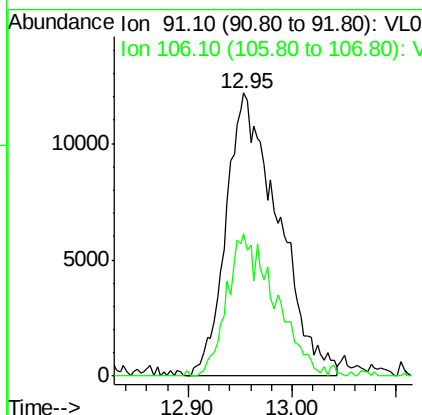
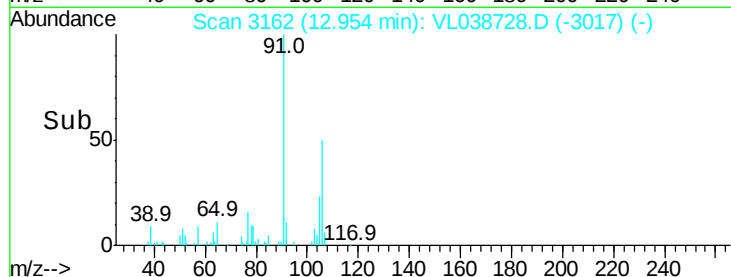
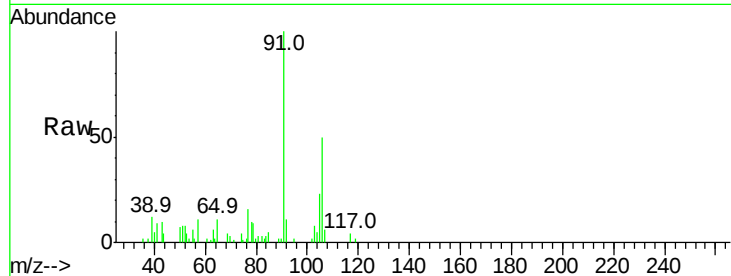


#59
m/p-Xylene
Concen: 0.23 ppbv m
RT: 12.95
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
COPB0
Acq: 23 Mar 2022 23:10

Tgt Ion:
Ion Ratio
91 100
106 0.

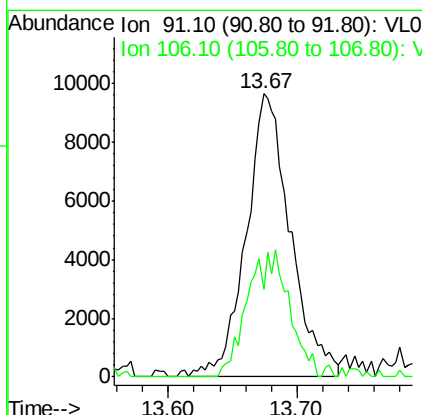
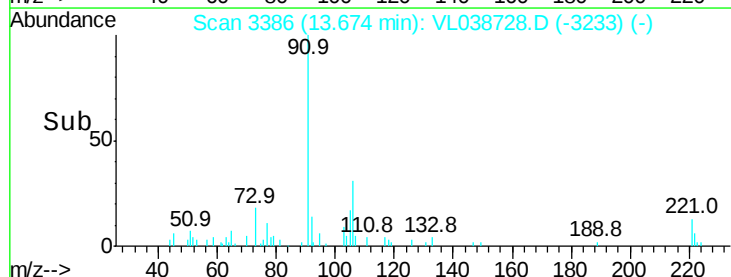
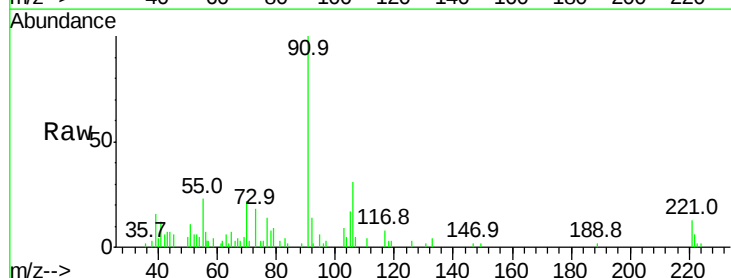
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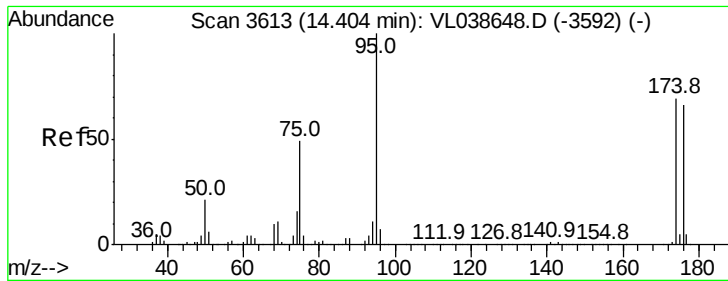
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/28/2022



#60
o-Xylene
Concen: 0.13 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.01 min
Lab File: VL038728.D
Acq: 23 Mar 2022 23:10

Tgt Ion: 91 Resp: 22955
Ion Ratio Lower Upper
91 100
106 43.1 23.5 70.5



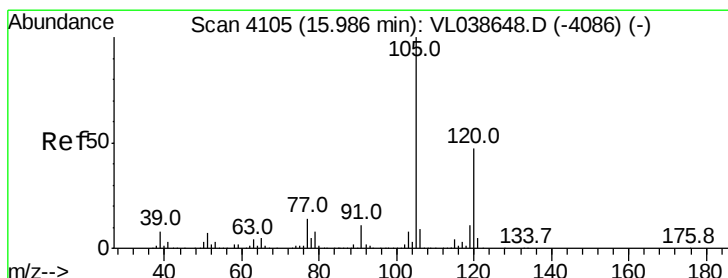
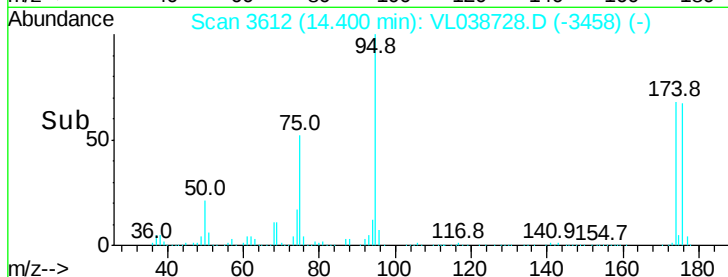
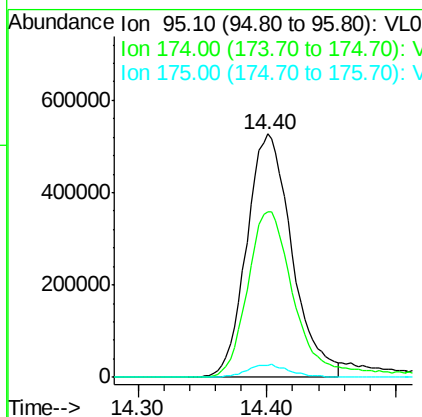
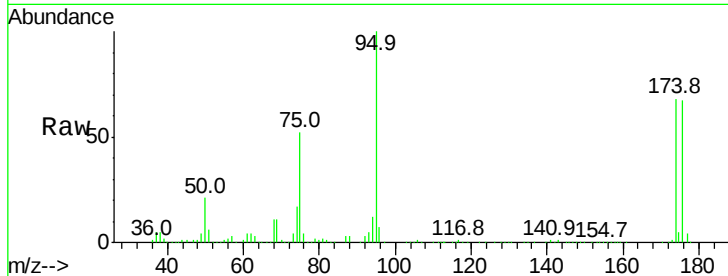


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.43 ppbv
 RT: 14.40 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 23:10

Tgt Ion:
 Ion Ratio
 95 100
 174 73.1
 175 5.1

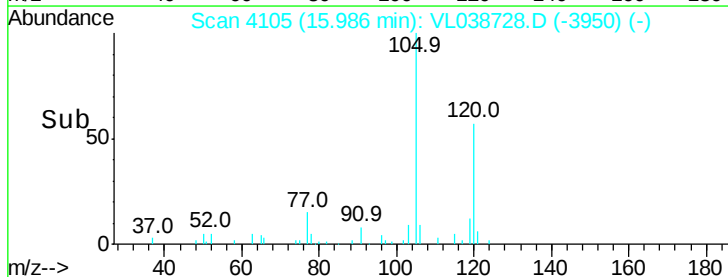
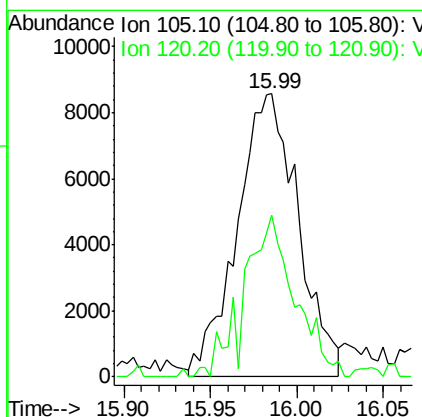
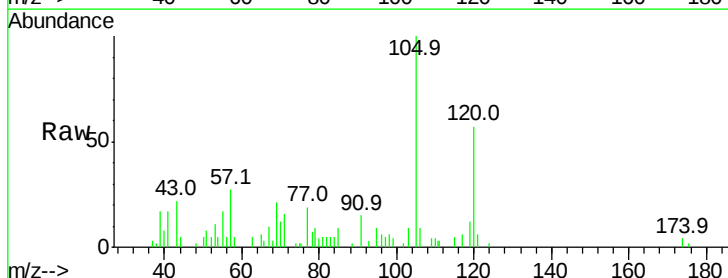
Manual Integrations
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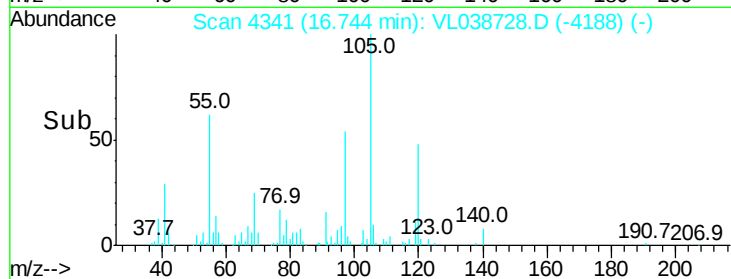
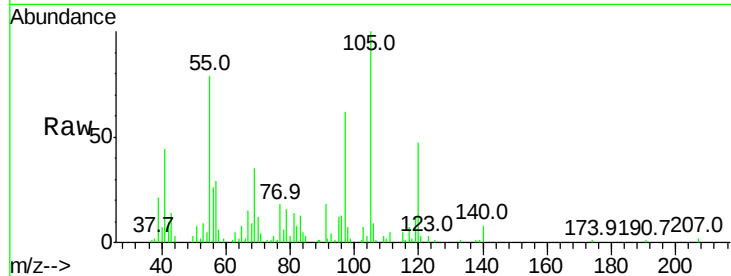
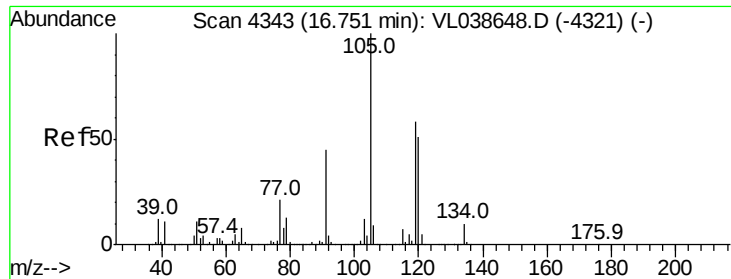
Reviewed By :Semsettin Yesilyurt 03/24/2022
 Supervised By :Mahesh Dadoda 03/28/2022



#73
 1,3,5-Trimethylbenzene
 Concen: 0.11 ppbv m
 RT: 15.99 min Scan# 4105
 Delta R.T.: -0.00 min
 Lab File: VL038728.D
 Acq: 23 Mar 2022 23:10

Tgt Ion:105 Resp: 21078
 Ion Ratio Lower Upper
 105 100
 120 57.4 37.6 56.4#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.21 ppbv m
 RT: 16.74
 Delta R.T
 Lab File:
 Acq: 23 Mar 2022 23.10

Instrument :
 MSVOA_L
 ClientSampleId :
 COPB0

Tgt Ion:1
 Ion Rati
 105 100
 120 47.
 91 17.
 77 18.4 16.6 25.0

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

