

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039210.D
 Acq On : 7 Jun 2022 15:33
 Operator : SY/AP
 Sample : N3199-02
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022

Quant Time: Jun 08 05:37:30 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1055528	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2650432	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2327188	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1828176	9.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.00%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.05	85	56363	0.304	ppbv	91
3) Chlorodifluoromethane	2.98	51	64595m	0.481	ppbv	
4) Chloromethane	3.14	50	41398	0.600	ppbv #	80
9) Propene	3.02	41	85693m	1.463	ppbv	
10) Heptane	8.12	43	20962m	0.153	ppbv	
11) Trichlorofluoromethane	3.95	101	35124	0.209	ppbv	96
13) Ethanol	3.60	45	209496	65.597	ppbv #	100
15) Acetone	3.85	43	1139589	10.364	ppbv	97
19) Isopropyl Alcohol	3.97	45	115577	2.241	ppbv #	1
20) Methylene Chloride	4.35	84	416053	8.979	ppbv	92
26) Hexane	5.68	57	437105	4.014	ppbv #	40
29) Chloroform	5.75	83	52158	0.285	ppbv	99
30) Cyclohexane	7.12	84	14825m	0.162	ppbv	
34) 2-Butanone	5.25	43	53277m	0.370	ppbv	
35) Carbon Tetrachloride	7.02	117	12691m	0.066	ppbv	
36) Benzene	6.89	78	624948	2.904	ppbv	96
44) 2,2,4-Trimethylpentane	7.87	57	68702m	0.183	ppbv	
52) Tetrachloroethene	11.22	164	246479	2.934	ppbv	97
53) Toluene	9.80	91	120390	0.486	ppbv	94
59) m/p-Xylene	12.96	91	89781m	0.318	ppbv	
60) o-Xylene	13.68	91	37801m	0.143	ppbv	
79) Naphthalene	22.19	128	30811m	0.128	ppbv	

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

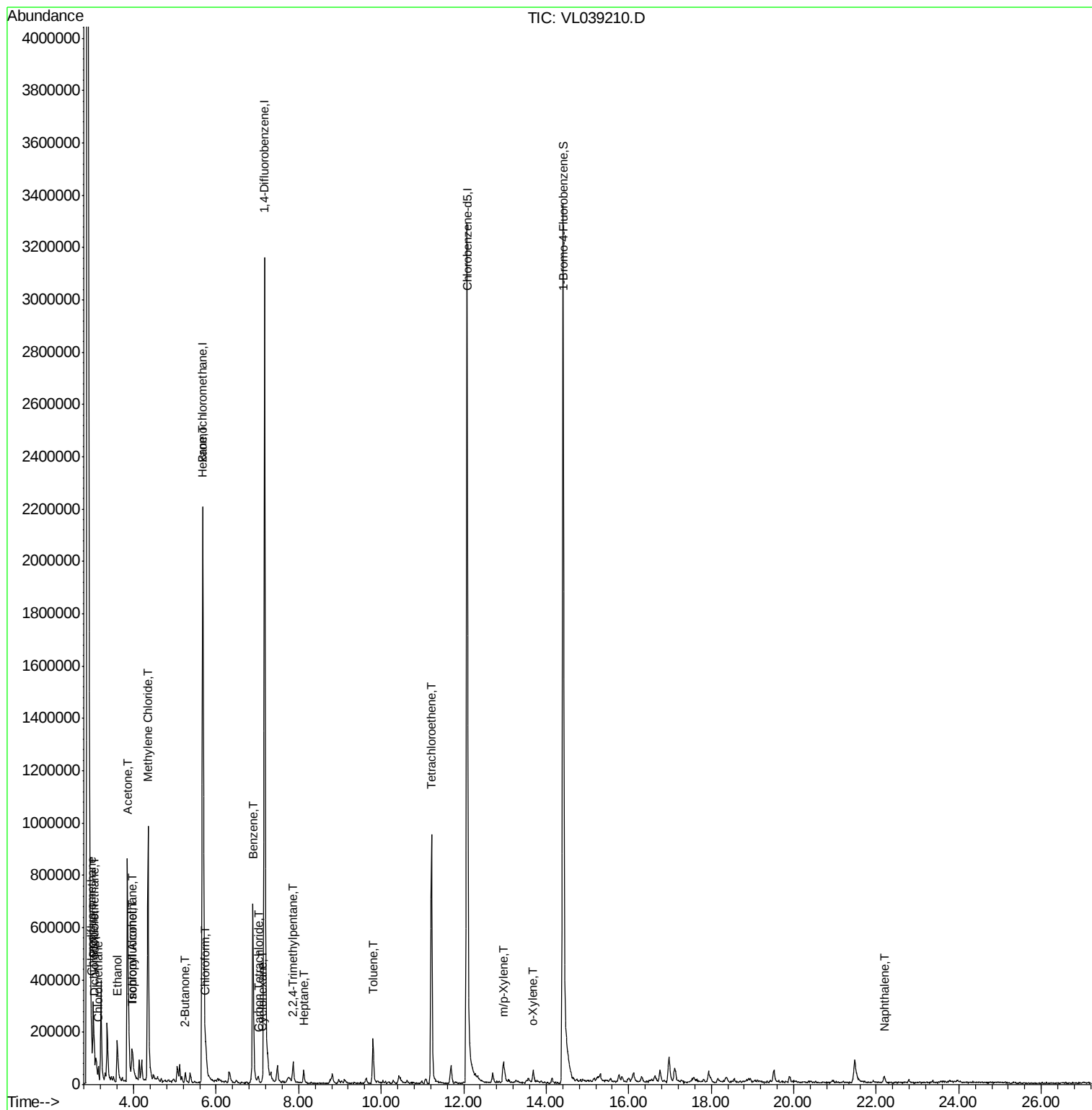
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
Data File : VL039210.D
Acq On : 7 Jun 2022 15:33
Operator : SY/AP
Sample : N3199-02
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

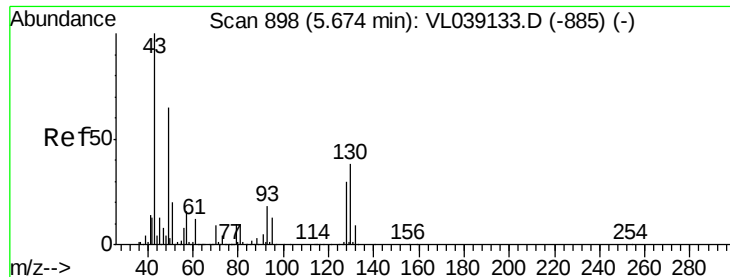
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Jun 08 05:37:30 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument : MSVOA_1

Delta R.T. : -

Lab File: ClientSampleId : IA1

Acq: 7 Jun 2022 15:33

Tot Ion:

Ion Ratio

49 100

128 50.

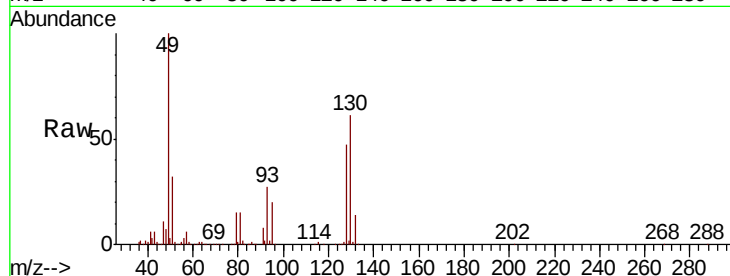
130 64.

Manual Integrations

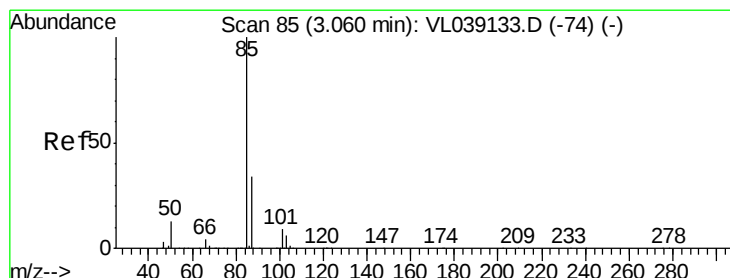
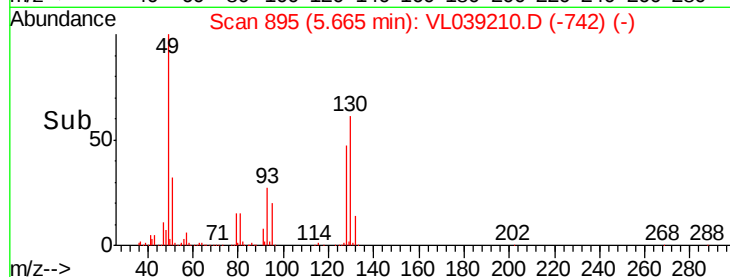
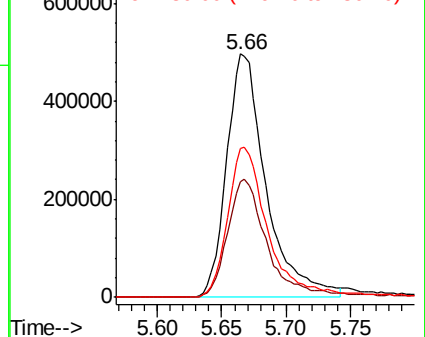
APPROVED

Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



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: 0.304 ppbv

RT: 3.05 min Scan# 82

Delta R.T. : -0.01 min

Lab File: VL039210.D

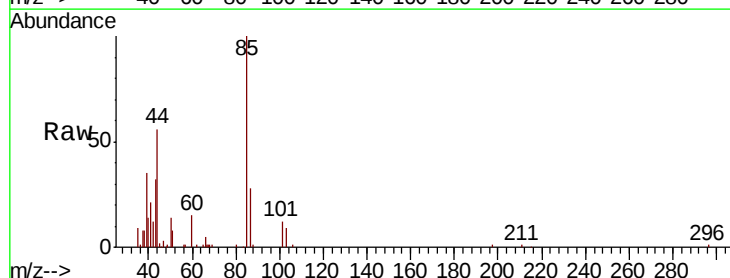
Acq: 7 Jun 2022 15:33

Tgt Ion: 85 Resp: 56363

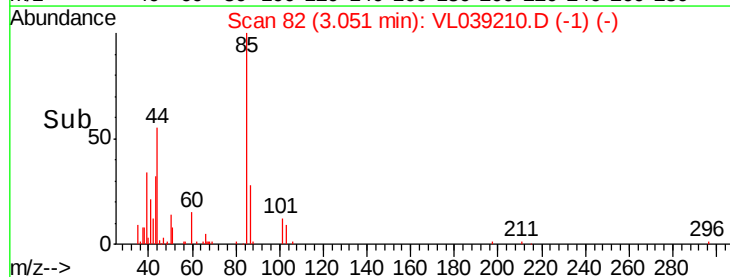
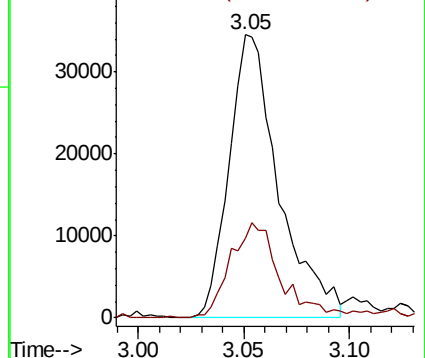
Ion Ratio Lower Upper

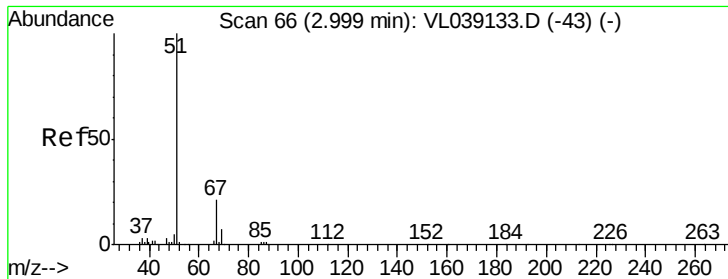
85 100

87 28.4 26.9 40.3



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.481 ppbv m

RT: 2.98 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Jun 2022 15:33

Tot Ion:

Ion Ratio

51 100

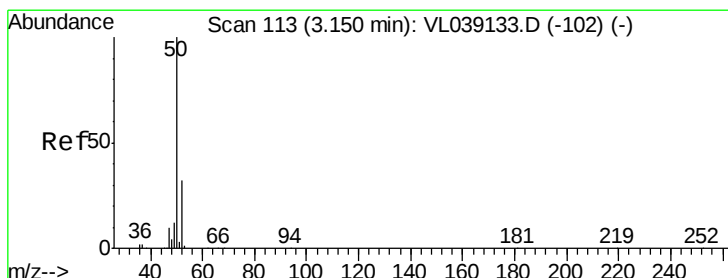
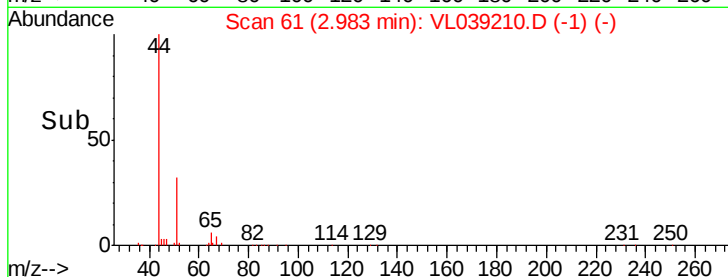
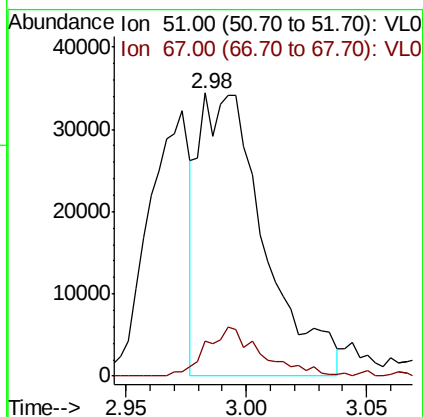
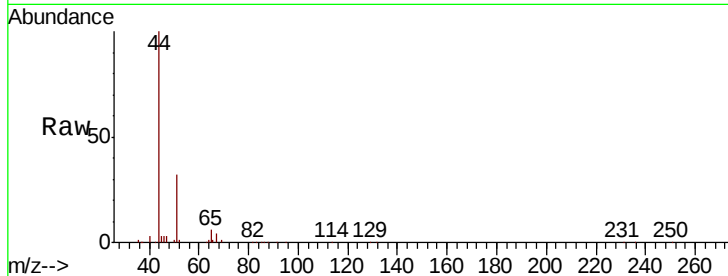
67 15.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#4

Chloromethane

Concen: 0.600 ppbv

RT: 3.14 min Scan# 111

Delta R.T. -0.01 min

Lab File: VL039210.D

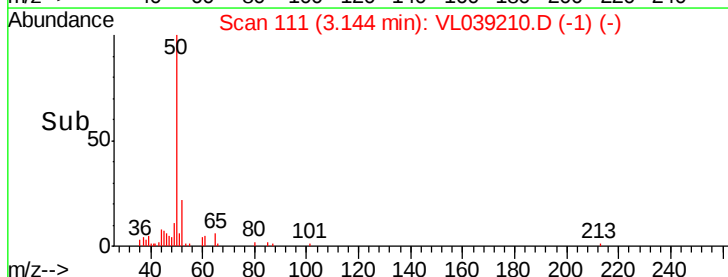
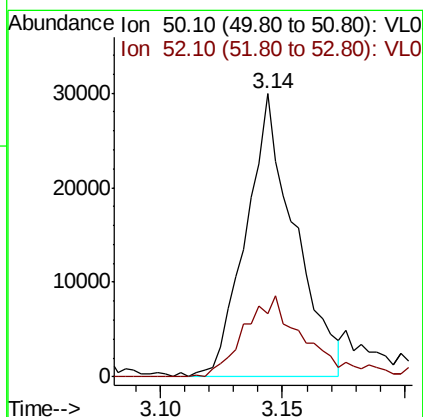
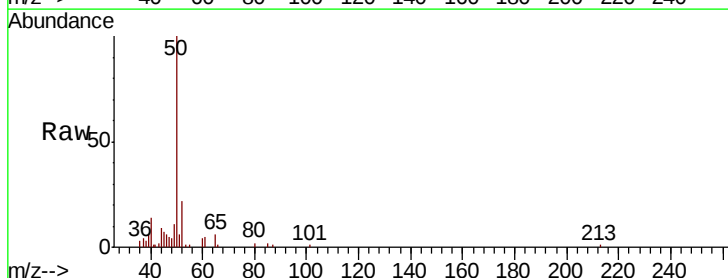
Acq: 7 Jun 2022 15:33

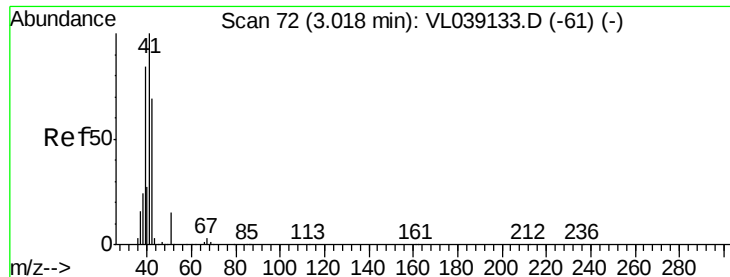
Tgt Ion: 50 Resp: 41398

Ion Ratio Lower Upper

50 100

52 21.1 25.9 38.9#





#9

Propene

Concen: 1.463 ppbv m

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Jun 2022 15:33

Tot Ion:

Ion Ratio

41 100

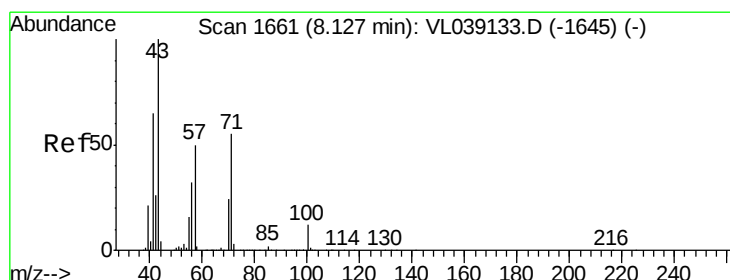
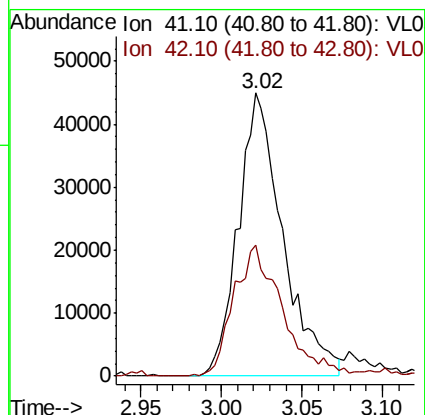
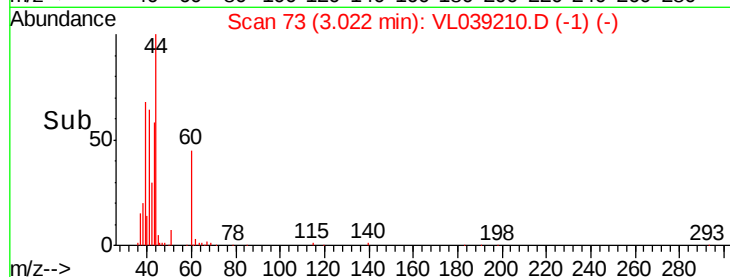
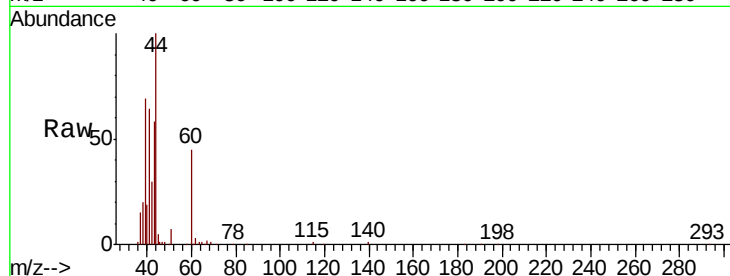
42 99.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#10

Heptane

Concen: 0.153 ppbv m

RT: 8.12 min Scan# 1660

Delta R.T. -0.00 min

Lab File: VL039210.D

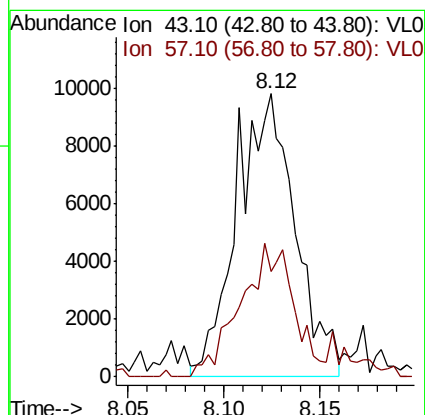
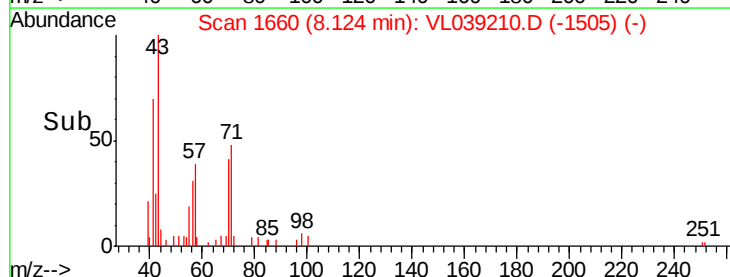
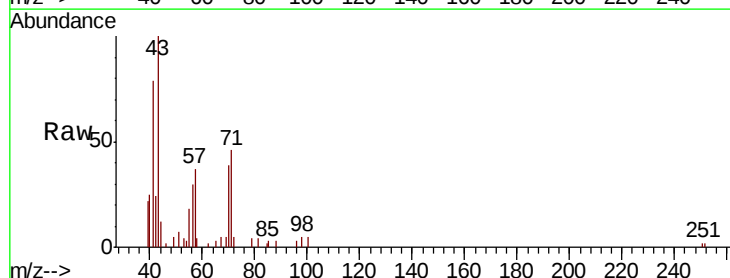
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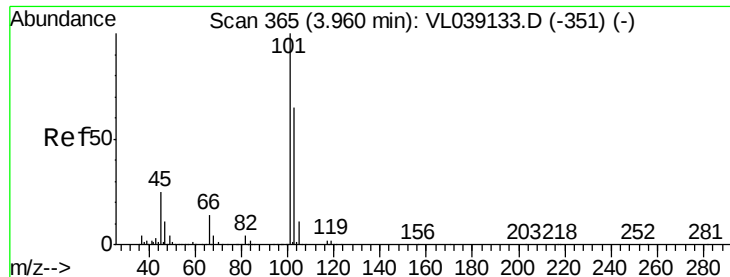
Tgt Ion: 43 Resp: 20962

Ion Ratio Lower Upper

43 100

57 0.0 41.4 62.2#



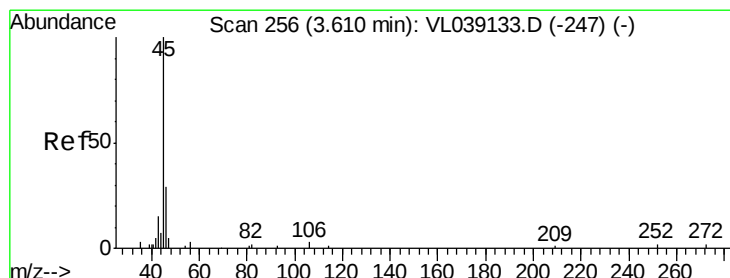
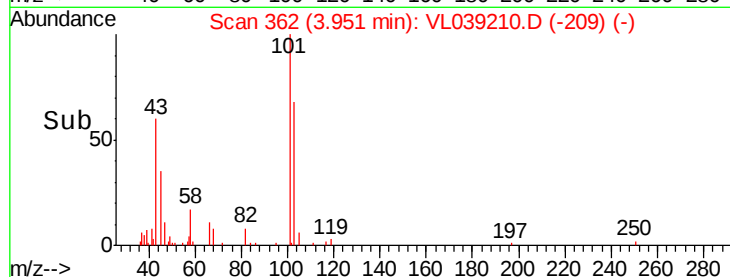
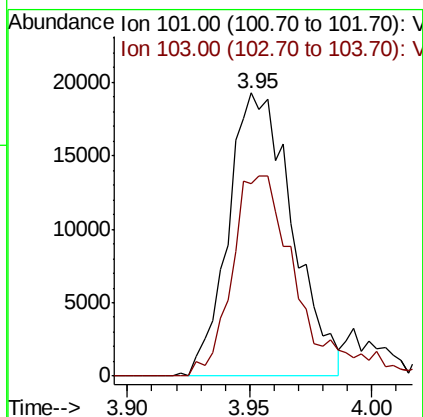
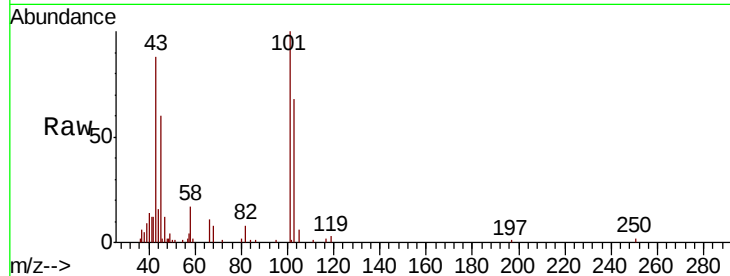


#11
 Trichlorofluoromethane
 Concen: 0.209 ppbv
 RT: 3.95
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 15:33

Tot Ion: 1
 Ion Ratio
 101 100
 103 68.

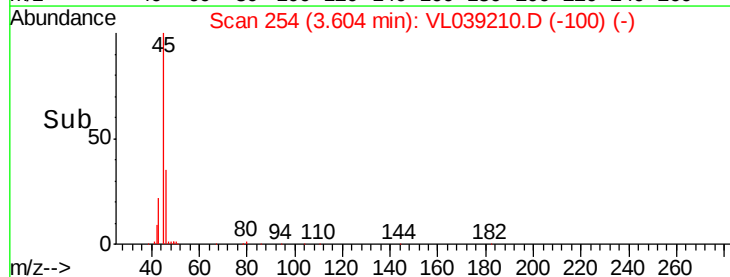
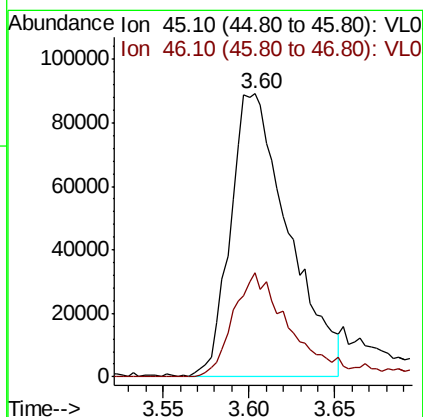
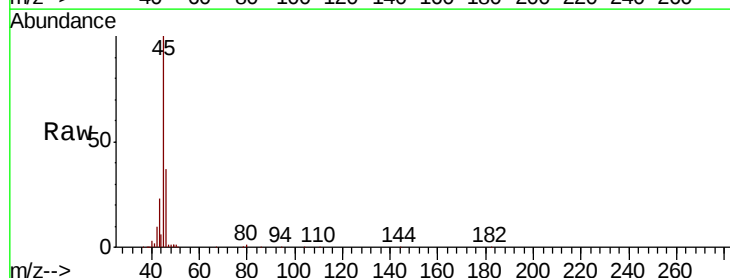
Manual Integrations
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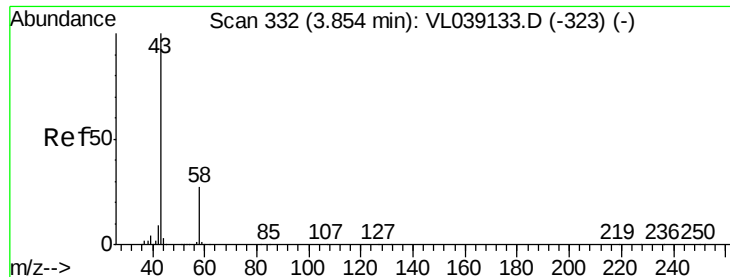
Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022



#13
 Ethanol
 Concen: 65.597 ppbv
 RT: 3.60 min Scan# 254
 Delta R.T. -0.01 min
 Lab File: VL039210.D
 Acq: 7 Jun 2022 15:33

Tgt Ion: 45 Resp: 209496
 Ion Ratio Lower Upper
 45 100
 46 41.0 0.0 0.0#





#15

Acetone

Concen: 10.364 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Jun 2022 15:33

Tot Ion:

Ion Ratio

43 100

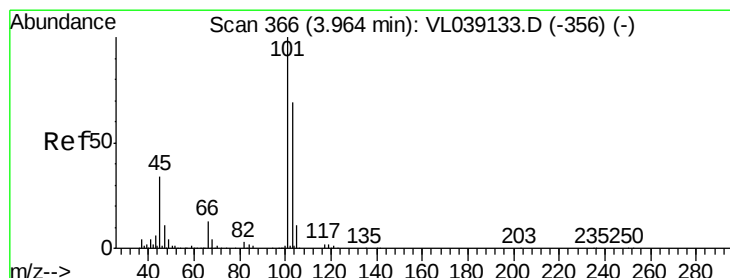
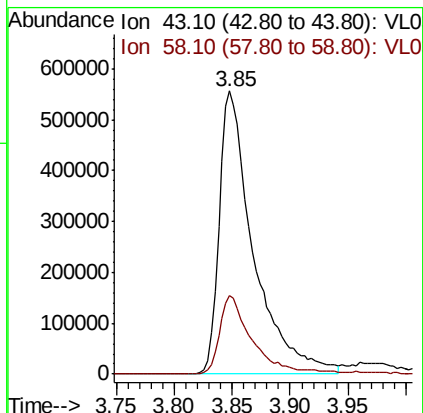
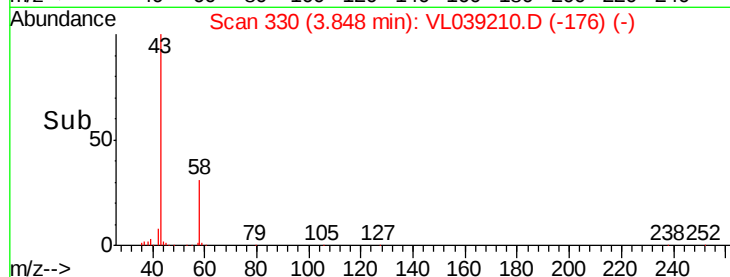
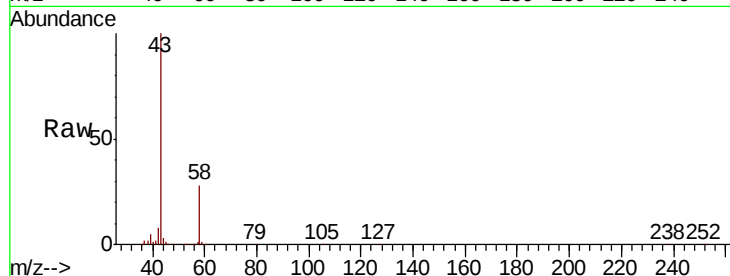
58 26.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#19

Isopropyl Alcohol

Concen: 2.241 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.01 min

Lab File: VL039210.D

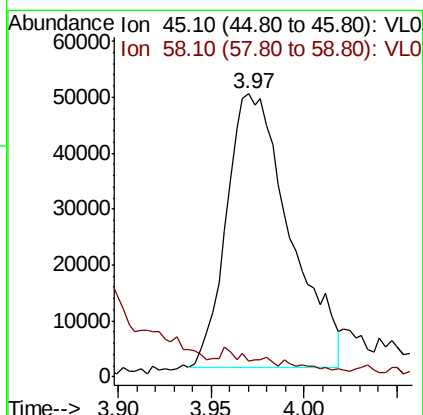
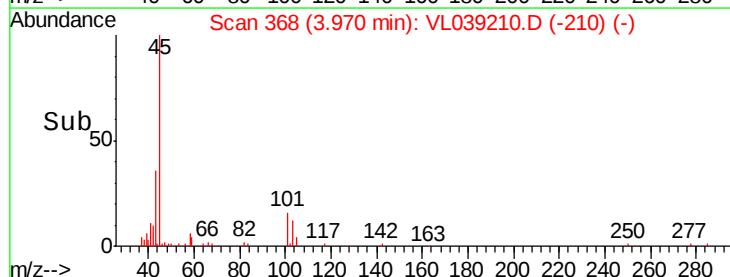
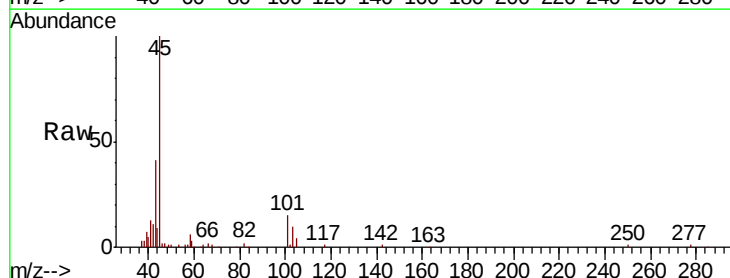
Acq: 7 Jun 2022 15:33

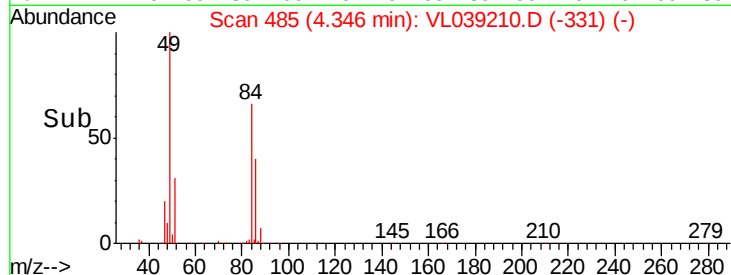
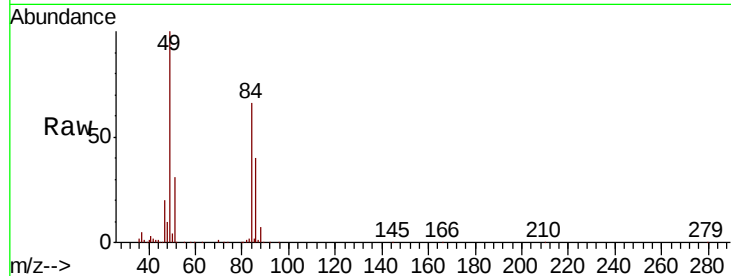
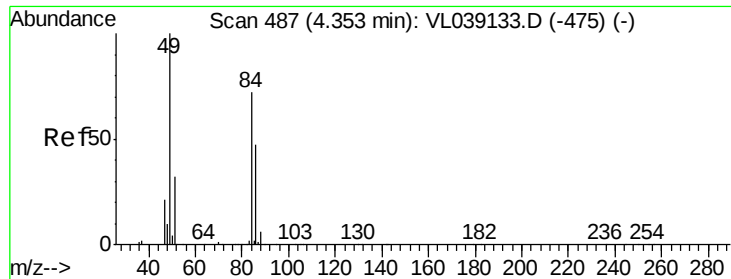
Tgt Ion: 45 Resp: 115577

Ion Ratio Lower Upper

45 100

58 277.2 1.8 2.8#



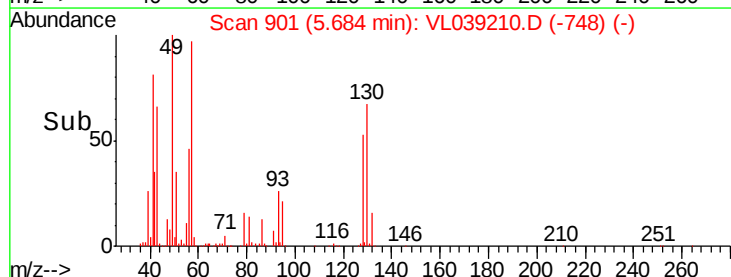
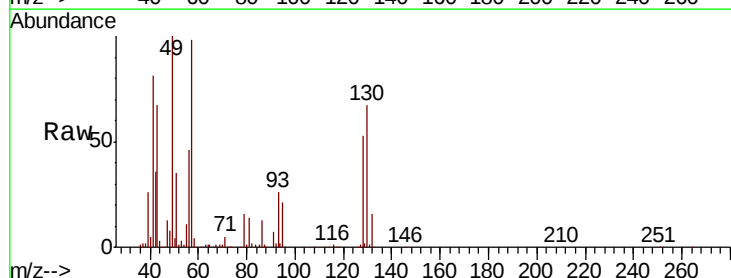
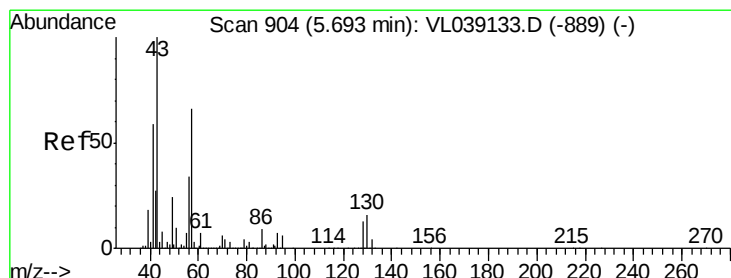
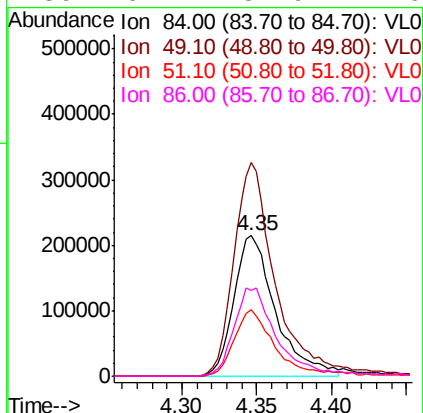


#20
Methvlene Chloride
Concen: 8.979 ppbv
RT: 4.35
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 7 Jun 2022 15:33

Tot Ion:
Ion Ratio
84 100
49 151.
51 47.
86 61.1 51.9 77.9

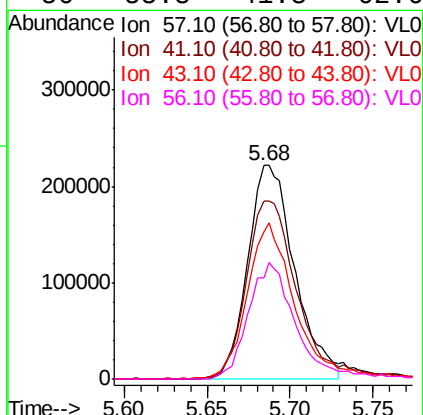
Manual Integrations
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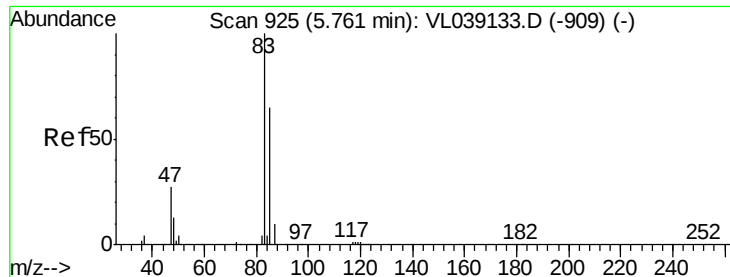
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#26
Hexane
Concen: 4.014 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL039210.D
Acq: 7 Jun 2022 15:33

Tgt Ion: 57 Resp: 437105
Ion Ratio Lower Upper
57 100
41 92.7 72.4 108.6
43 76.7 187.0 280.6#
56 55.8 41.8 62.6



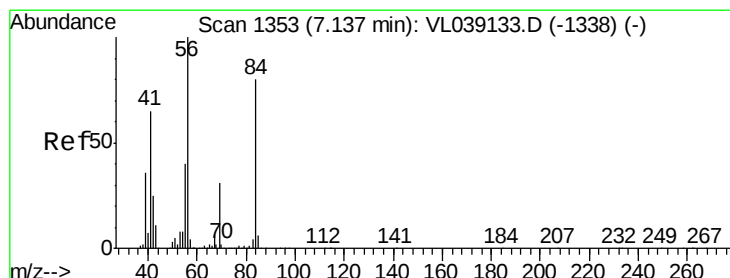
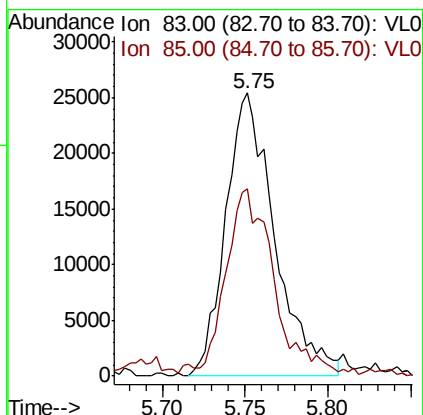
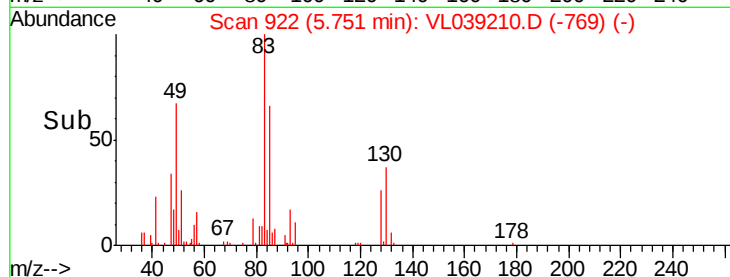
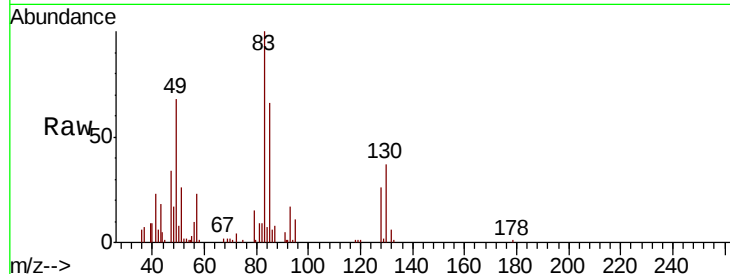


#29
Chloroform
Concen: 0.285 ppbv
RT: 5.75
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Jun 2022 15:33

Tot Ion:
Ion Ratio
83 100
85 64.

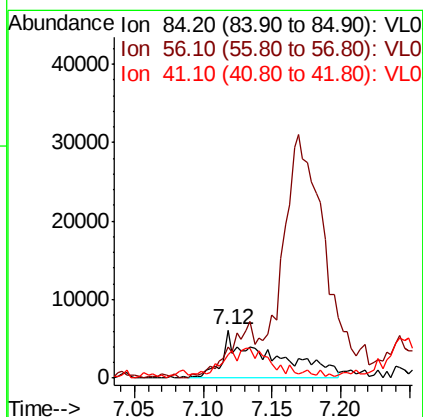
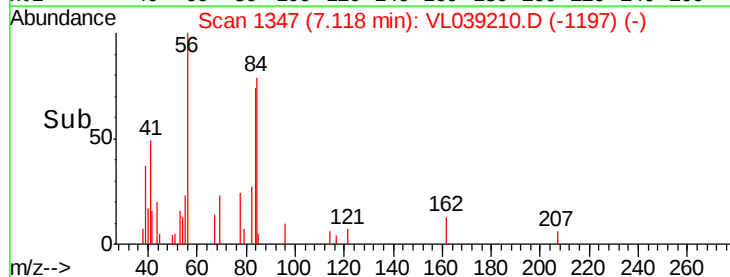
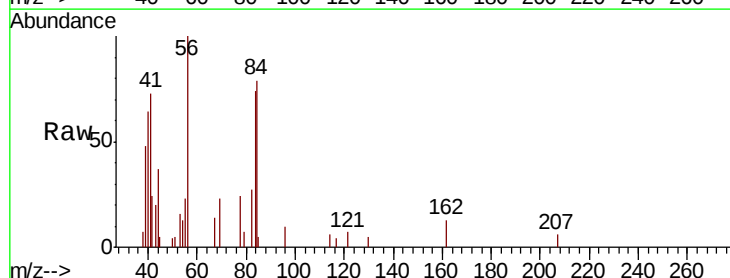
Manual Integrations
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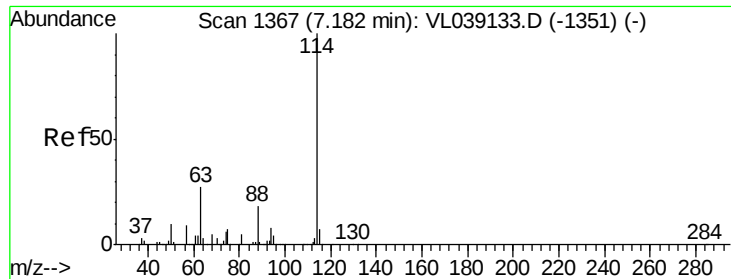
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#30
Cyclohexane
Concen: 0.162 ppbv m
RT: 7.12 min Scan# 1347
Delta R.T. -0.02 min
Lab File: VL039210.D
Acq: 7 Jun 2022 15:33

Tgt Ion: 84 Resp: 14825
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 0.0 68.9 103.3#



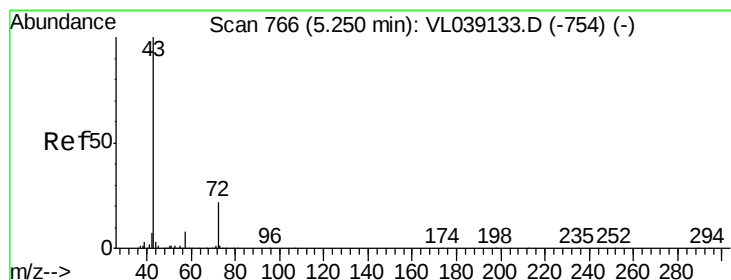
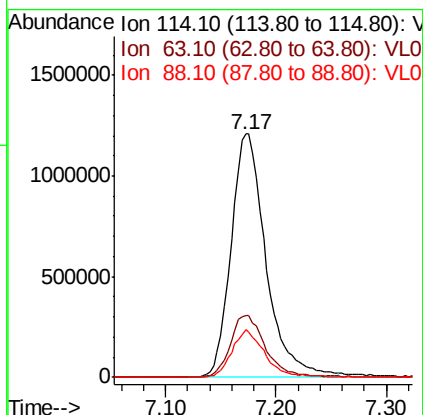
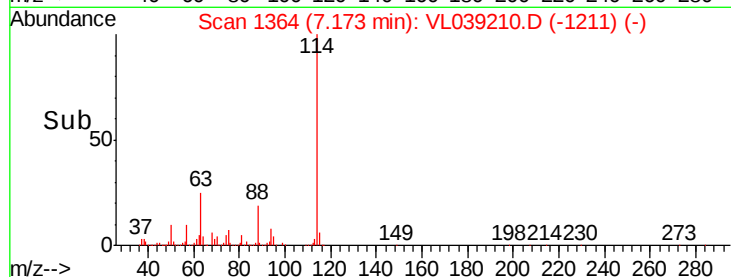
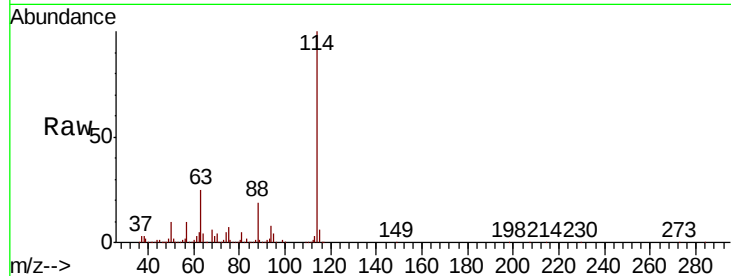


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 15:33

Tot Ion:1
 Ion Rati
 114 100
 63 26.
 88 18.

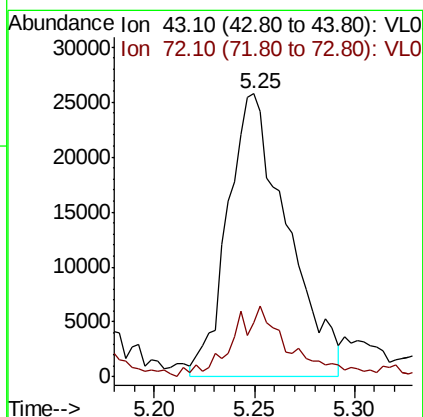
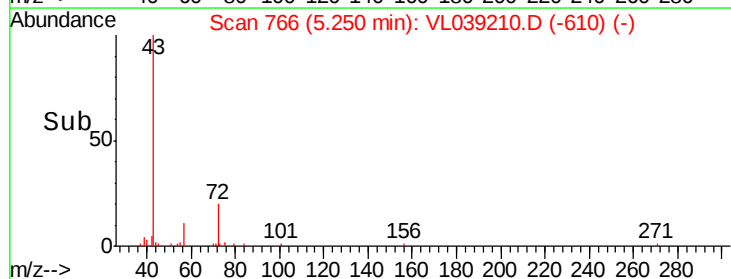
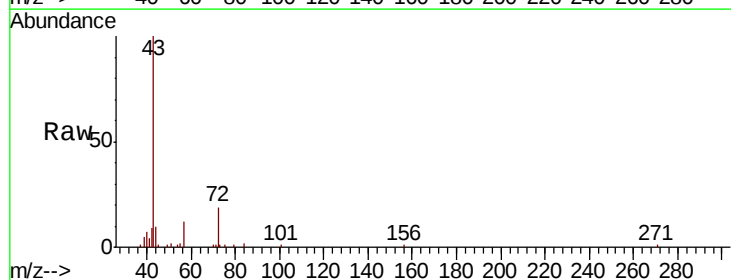
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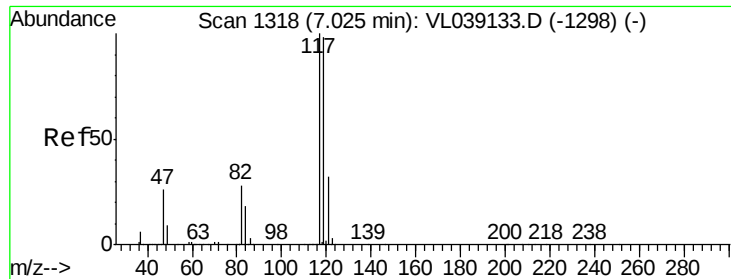
Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022



#34
 2-Butanone
 Concen: 0.370 ppbv m
 RT: 5.25 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: VL039210.D
 Acq: 7 Jun 2022 15:33

Tgt Ion: 43 Resp: 53277
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.2 27.2





#35

Carbon Tetrachloride

Concen: 0.066 ppbv m

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

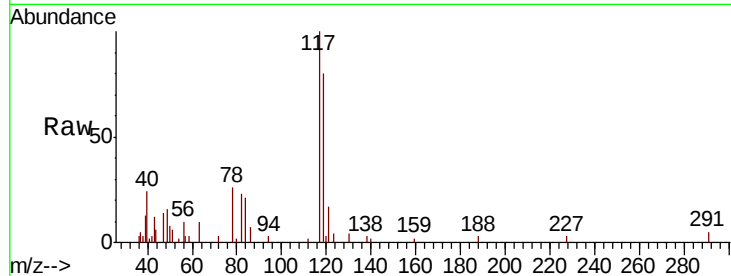
Lab File: ClientSampleId :

Acq: 7 Jun 2022 15:33

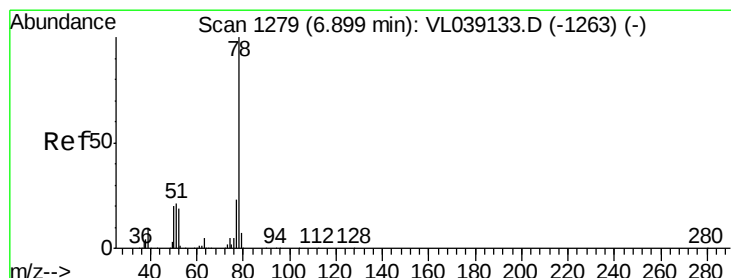
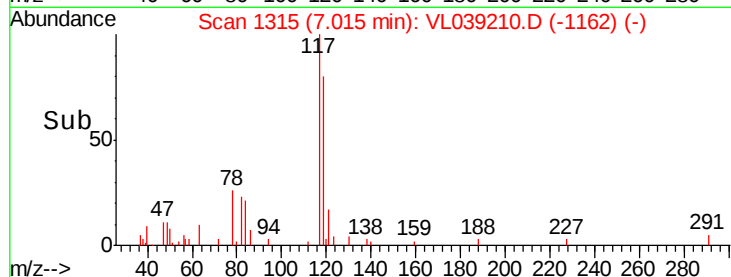
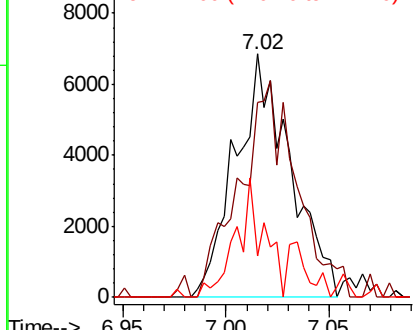
Tot Ion:1
Ion Rati
117 100
119 80.
121 16.

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Supervised By :Mahesh Dadoda 06/10/2022



Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 2.904 ppbv

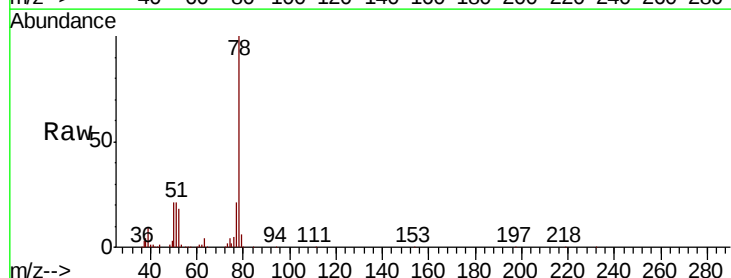
RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

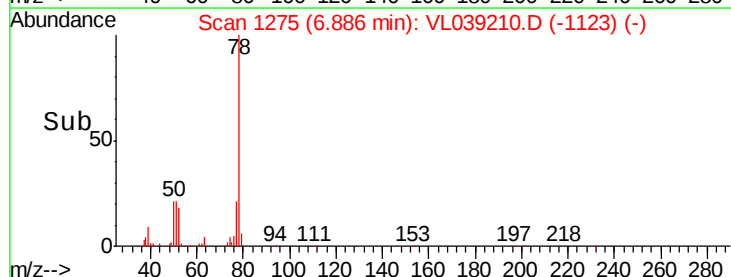
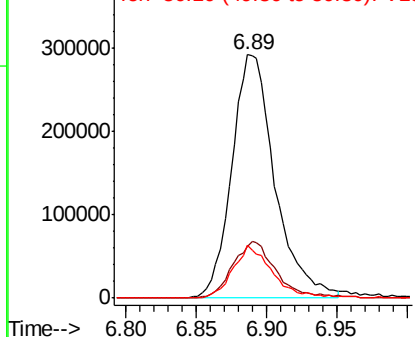
Lab File: VL039210.D

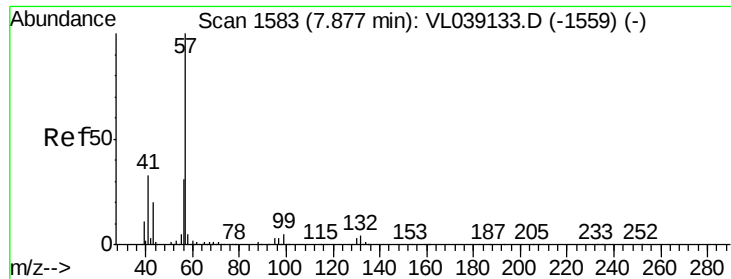
Acq: 7 Jun 2022 15:33

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	624948		
77	21.2		18.6	27.8
50	21.4		15.8	23.8



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



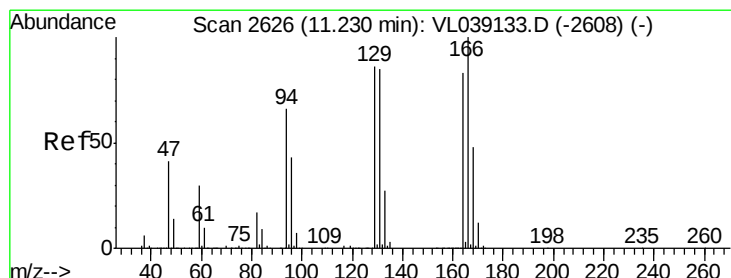
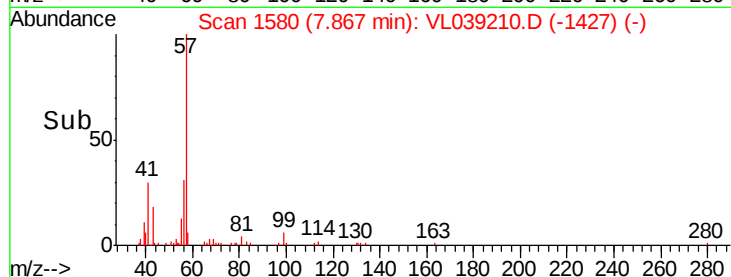
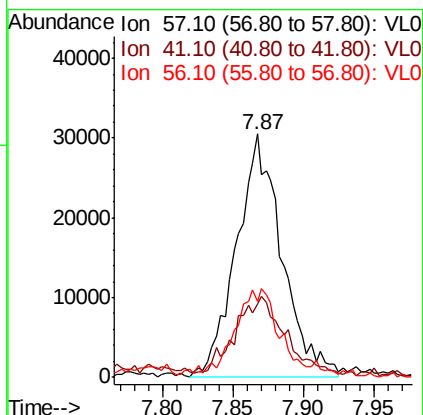
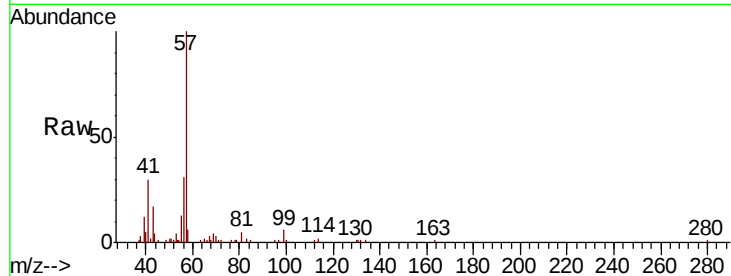


#44
 2,2,4-Trimethylpentane
 Concen: 0.183 ppbv m
 RT: 7.87
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 15:33

Tot Ion:
 Ion Ratio
 57 100
 41 0.
 56 0.

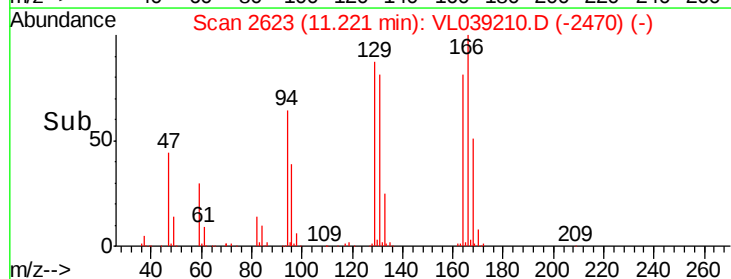
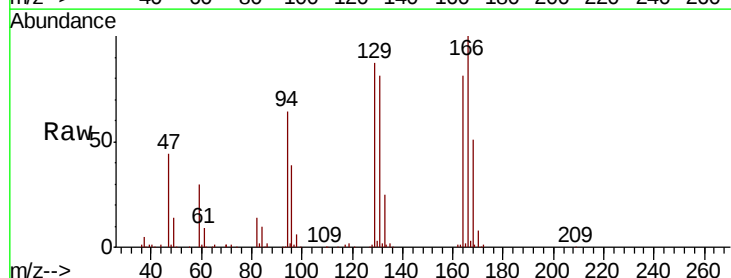
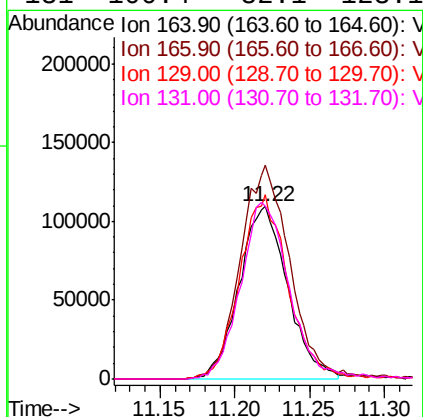
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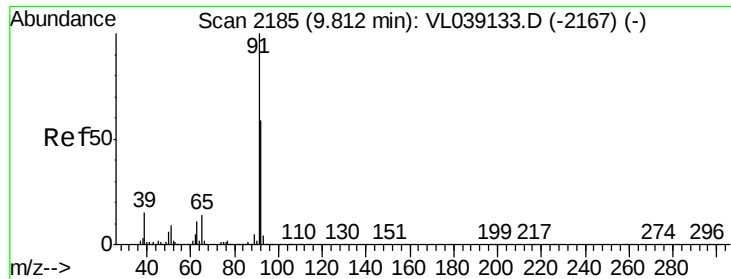
Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022



#52
 Tetrachloroethene
 Concen: 2.934 ppbv
 RT: 11.22 min Scan# 2623
 Delta R.T. -0.01 min
 Lab File: VL039210.D
 Acq: 7 Jun 2022 15:33

Tgt Ion:164 Resp: 246479
 Ion Ratio Lower Upper
 164 100
 166 123.5 96.3 144.5
 129 106.7 82.5 123.7
 131 100.4 82.1 123.1





#53

Toluene

Concen: 0.486 ppbv

RT: 9.80

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 7 Jun 2022 15:33

Tot Ion:

Ion Ratio

91 100

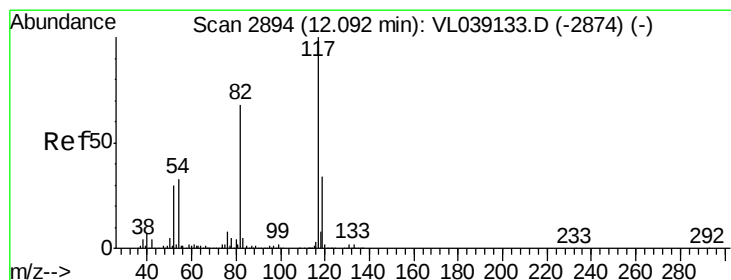
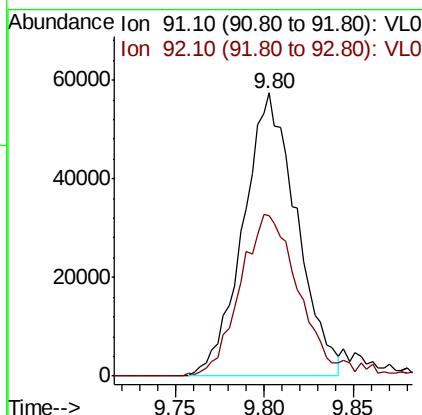
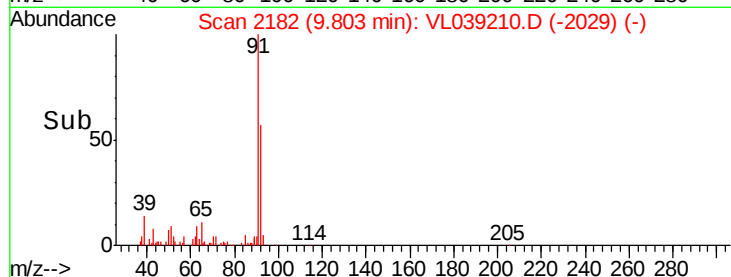
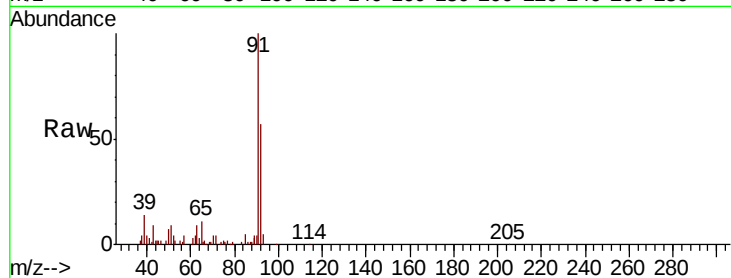
92 64.

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Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL039210.D

Acq: 7 Jun 2022 15:33

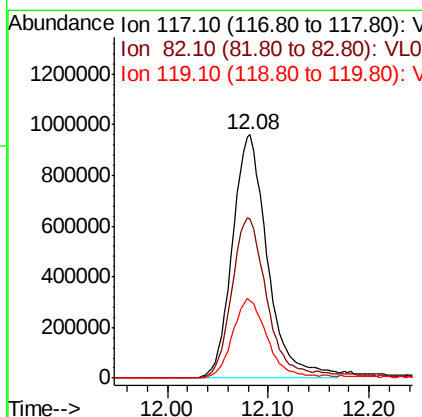
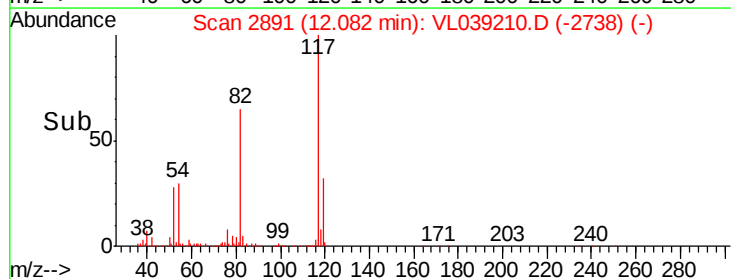
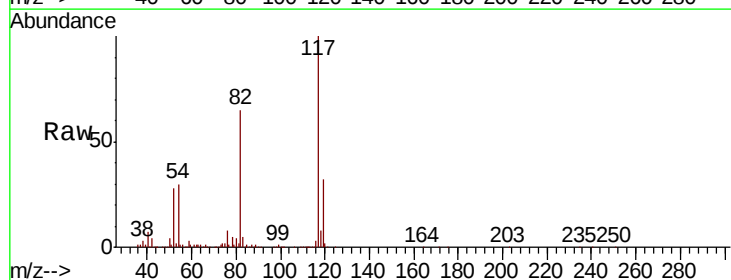
Tgt Ion:117 Resp: 2327188

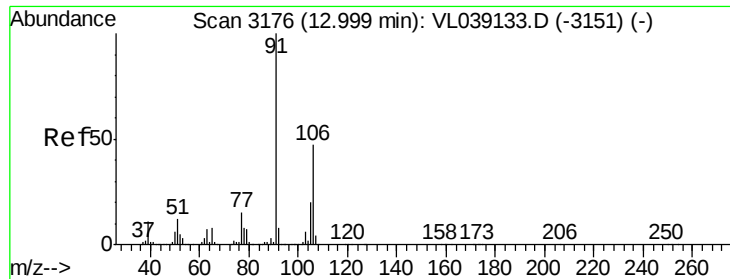
Ion Ratio Lower Upper

117 100

82 69.2 55.1 82.7

119 33.6 24.7 37.1



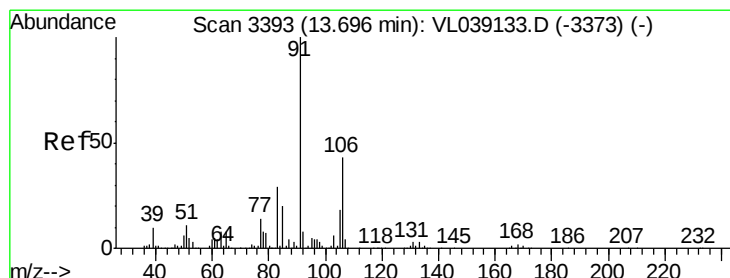
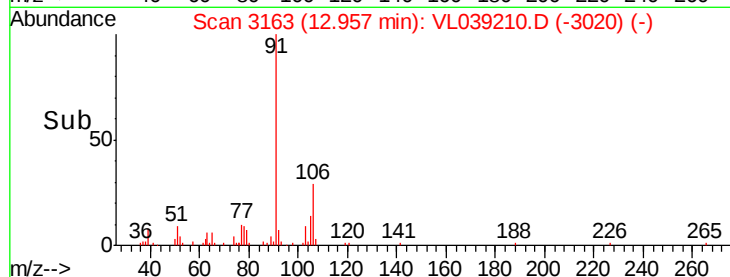
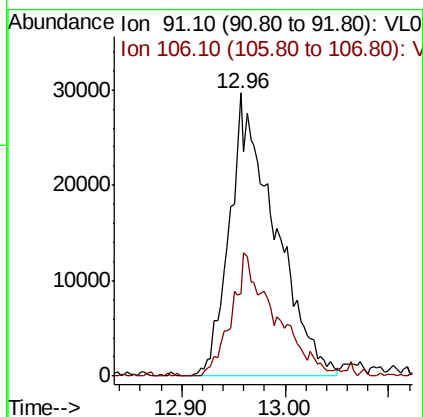
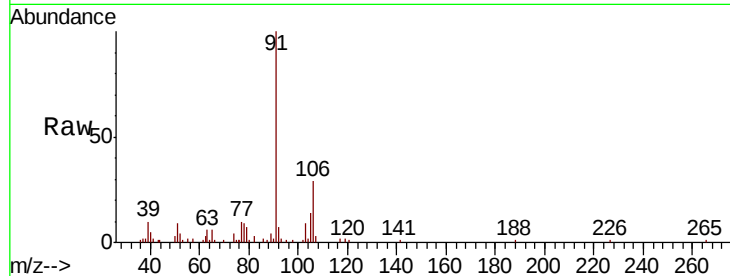


#59
m/p-Xylene
Concen: 0.318 ppbv m
RT: 12.96
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 7 Jun 2022 15:33

Tot Ion:
Ion Ratio
91 100
106 0.

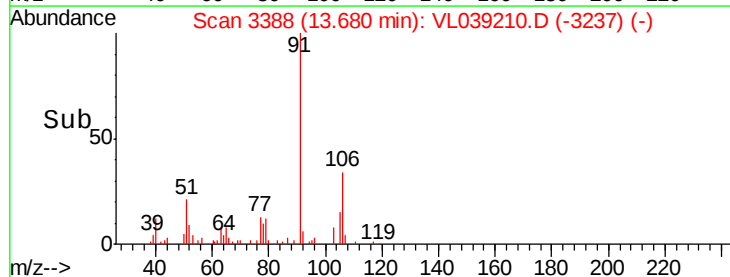
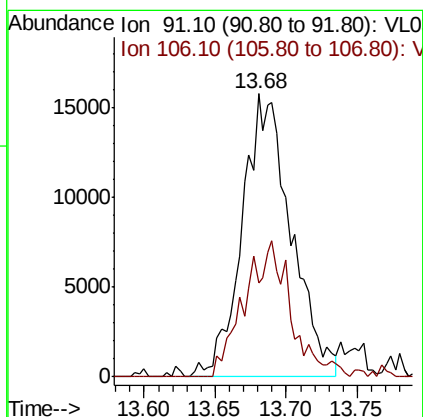
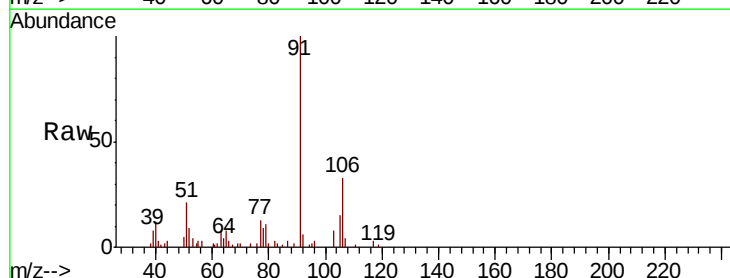
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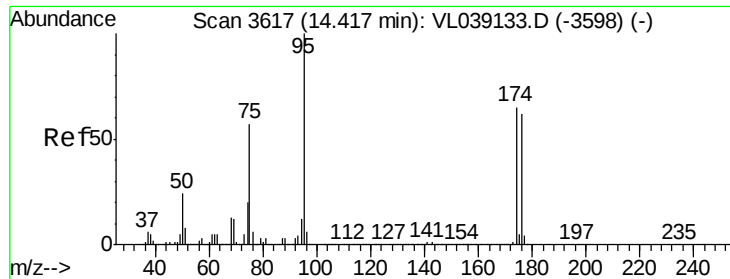
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#60
o-Xylene
Concen: 0.143 ppbv m
RT: 13.68 min Scan# 3388
Delta R.T. -0.02 min
Lab File: VL039210.D
Acq: 7 Jun 2022 15:33

Tgt Ion: 91 Resp: 37801
Ion Ratio Lower Upper
91 100
106 46.5 22.3 66.9



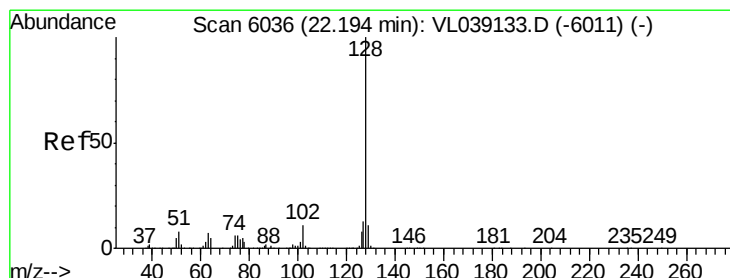
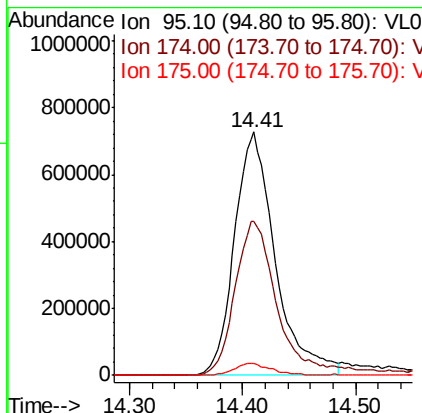
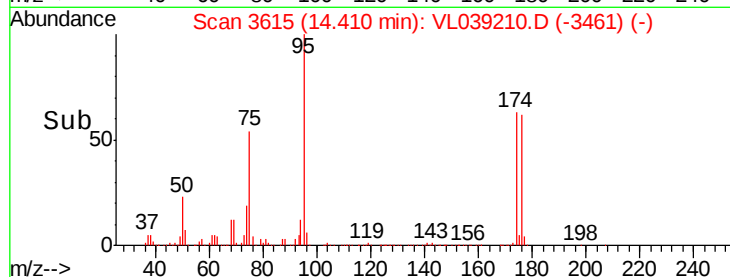
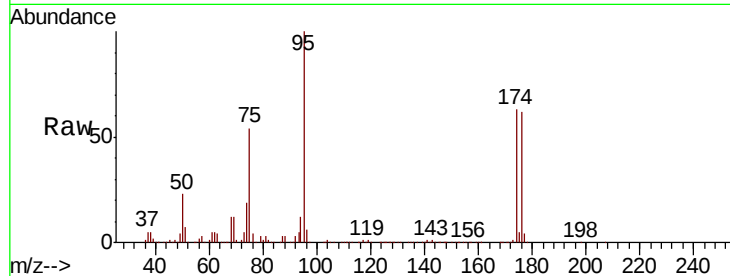


#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.502 ppbv
 RT: 14.41 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Jun 2022 15:33

Tot Ion:
 Ion Ratio
 95 100
 174 69.
 175 4.

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022



#79
 Naphthalene
 Concen: 0.128 ppbv m
 RT: 22.19 min Scan# 6034
 Delta R.T.: -0.01 min
 Lab File: VL039210.D
 Acq: 7 Jun 2022 15:33

Tgt Ion:128 Resp: 30811
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.4 15.6
 129 12.2 9.0 13.6

