

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060722\
 Data File : VL039227.D
 Acq On : 8 Jun 2022 2:52
 Operator : SY/AP
 Sample : N3199-01 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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

Quant Time: Jun 08 07:28:41 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	5.67	49	584223	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	1369411	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	1249796	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1190997	11.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	115.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	26876m	0.262	ppbv	
3) Chlorodifluoromethane	3.00	51	22953m	0.309	ppbv	
4) Chloromethane	3.15	50	4217m	0.110	ppbv	
9) Propene	3.03	41	19309	0.596	ppbv #	81
10) Heptane	8.13	43	7311m	0.097	ppbv	
11) Trichlorofluoromethane	3.96	101	22029m	0.237	ppbv	
13) Ethanol	3.63	45	11913m	6.739	ppbv	
15) Acetone	3.86	43	239017	3.927	ppbv #	89
17) tert-Butyl alcohol	4.31	59	10684m	0.226	ppbv	
19) Isopropyl Alcohol	3.99	45	12785m	0.448	ppbv	
20) Methylene Chloride	4.35	84	67228	2.621	ppbv	96
23) Vinyl Acetate	5.08	43	66464	1.320	ppbv #	98
26) Hexane	5.70	57	55472	0.920	ppbv #	27
27) Carbon Disulfide	4.56	76	20078m	0.321	ppbv	
29) Chloroform	5.76	83	122505	1.208	ppbv	94
34) 2-Butanone	5.26	43	210329	2.827	ppbv	99
35) Carbon Tetrachloride	7.04	117	5397m	0.054	ppbv	
51) 2-Hexanone	10.15	43	115175m	1.329	ppbv	
52) Tetrachloroethene	11.23	164	208748	4.809	ppbv	94
53) Toluene	9.82	91	14953m	0.117	ppbv	
59) m/p-Xylene	12.97	91	22981m	0.152	ppbv	
60) o-Xylene	13.70	91	15877m	0.111	ppbv	
74) 1,2,4-Trimethylbenzene	16.76	105	51711m	0.308	ppbv	
79) Naphthalene	22.20	128	33329m	0.258	ppbv	
80) Naphthalene,2-methyl-	24.98	142	8364	0.174	ppbv	87

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

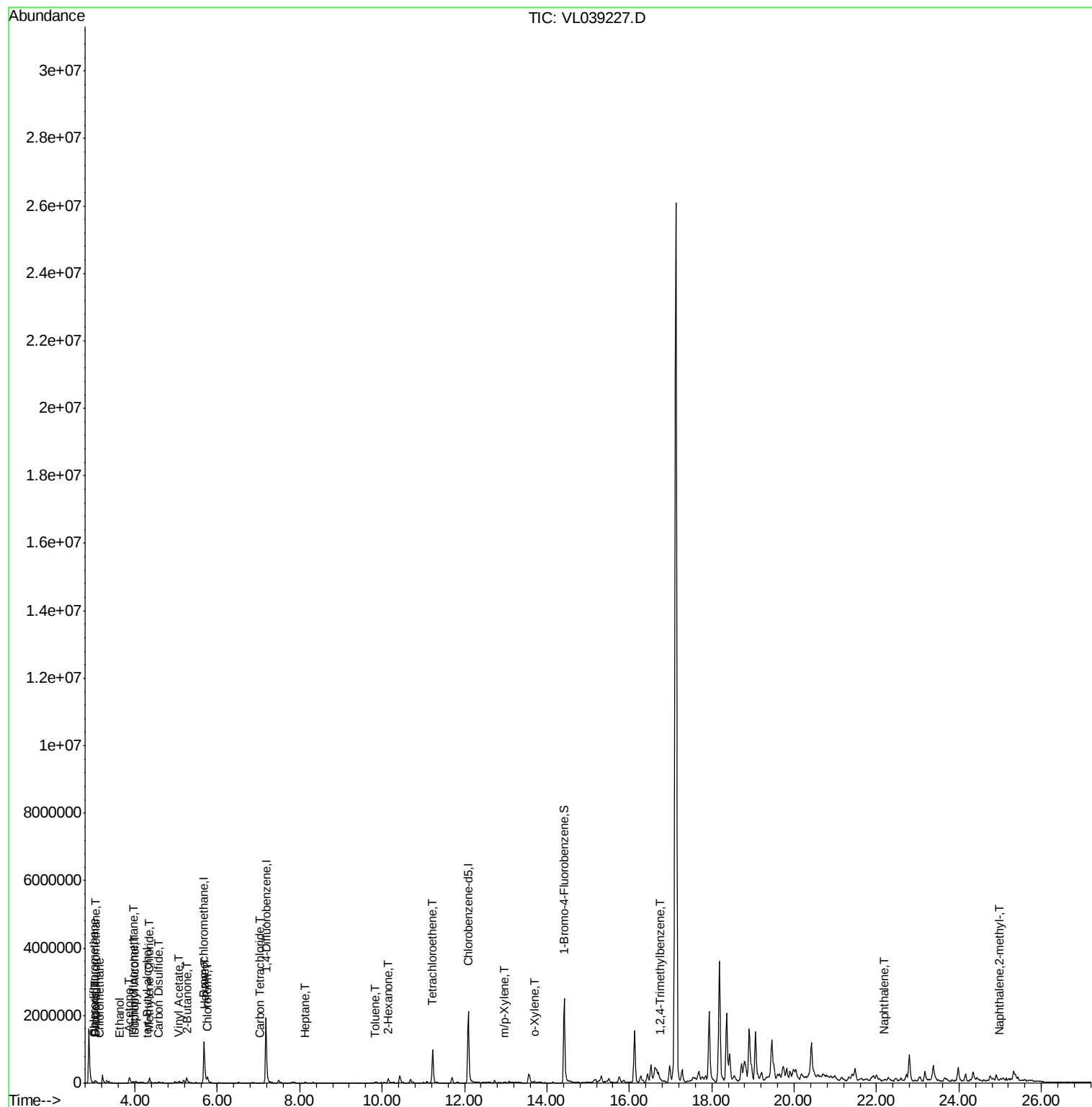
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060722\
Data File : VL039227.D
Acq On : 8 Jun 2022 2:52
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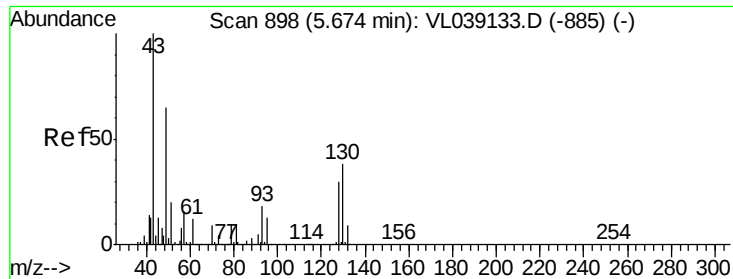
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jun 08 07:28:41 2022
Quant Method : Z:\V0ASRV\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: 5.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Jun 2022 2:52

Tot Ion:

Ion Ratio

49 100

128 46.

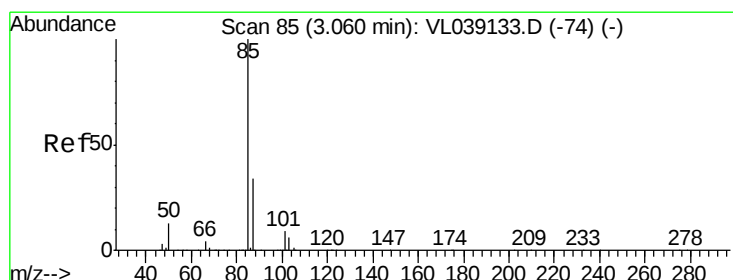
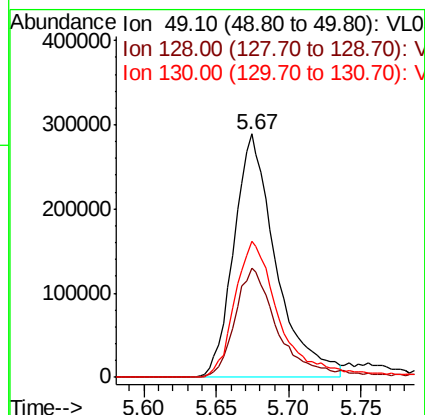
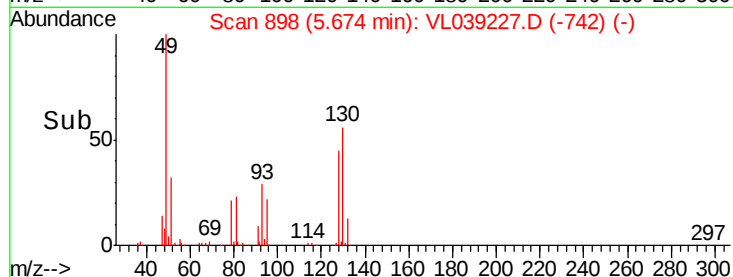
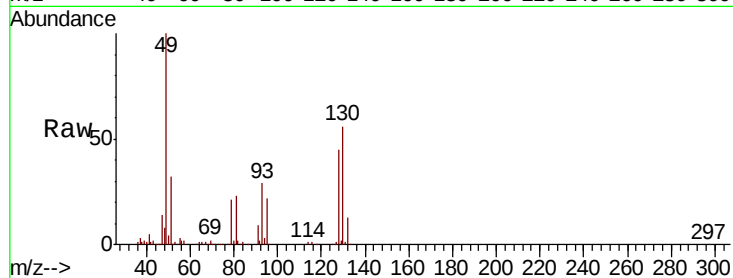
130 61.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#2

Dichlorodifluoromethane

Concen: 0.262 ppbv m

RT: 3.05 min Scan# 83

Delta R.T. -0.01 min

Lab File: VL039227.D

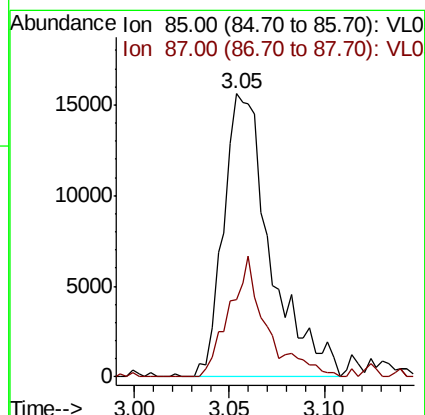
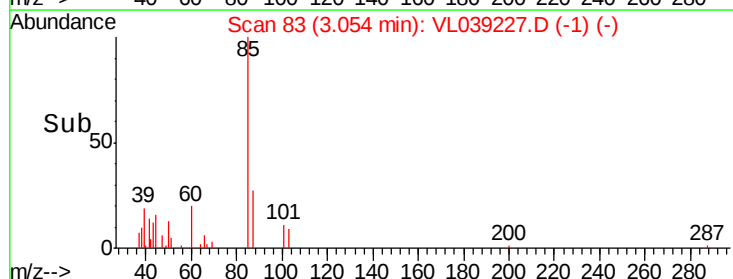
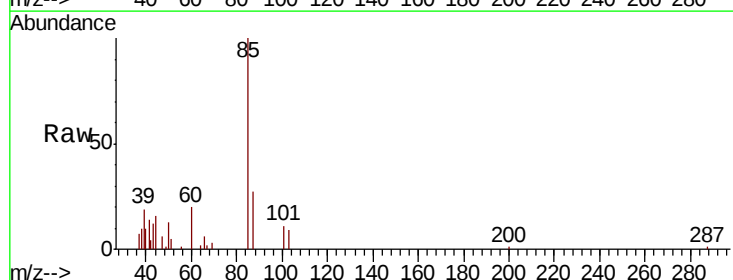
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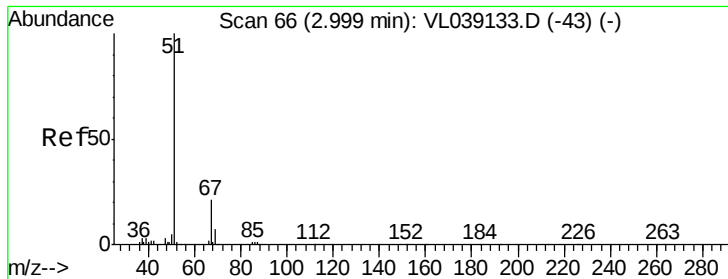
Tgt Ion: 85 Resp: 26876

Ion Ratio Lower Upper

85 100

87 27.1 26.9 40.3





#3

Chlorodifluoromethane

Concen: 0.309 ppbv m

RT: 3.00 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Jun 2022 2:52

Tot Ion:

Ion Ratio

51 100

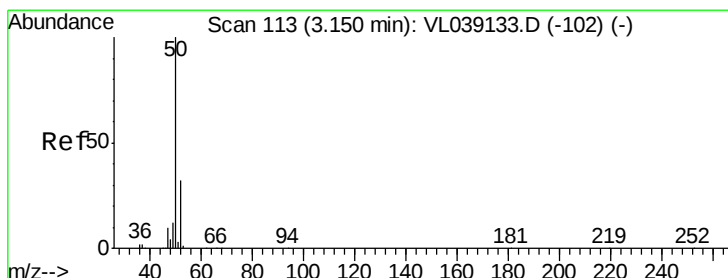
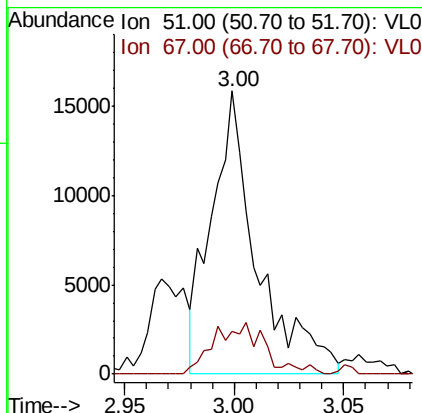
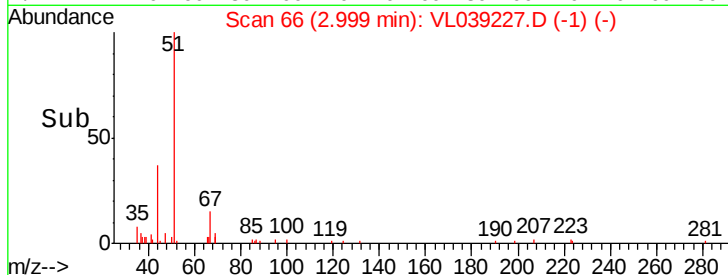
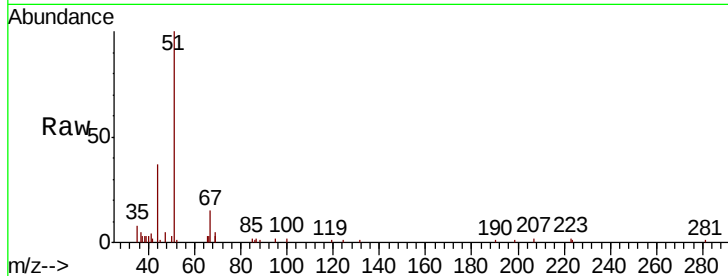
67 0.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#4

Chloromethane

Concen: 0.110 ppbv m

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL039227.D

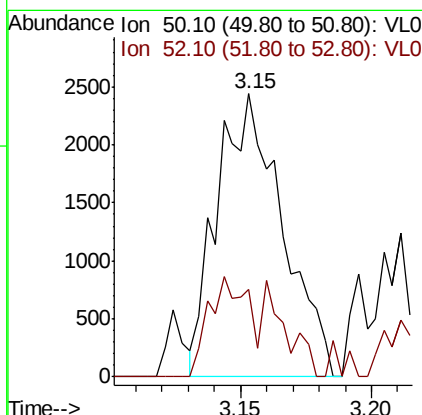
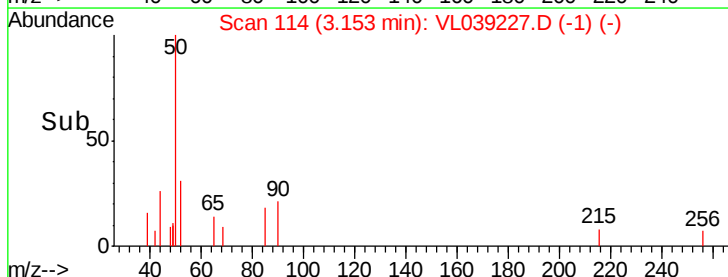
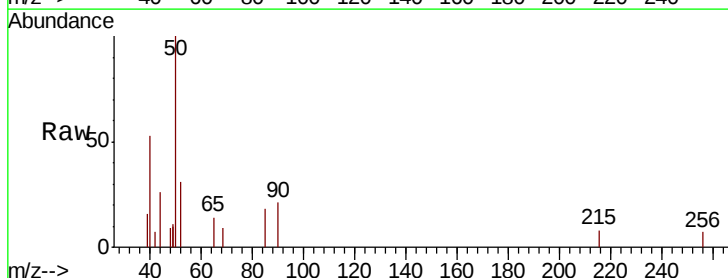
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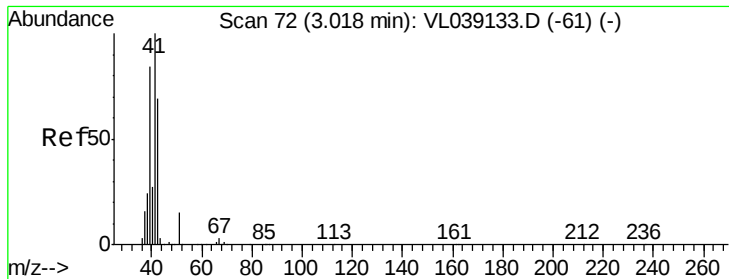
Tgt Ion: 50 Resp: 4217

Ion Ratio Lower Upper

50 100

52 30.8 25.9 38.9



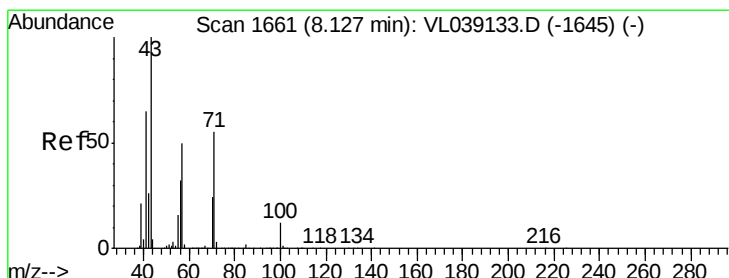
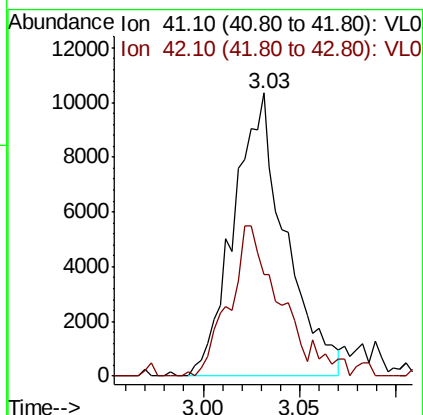
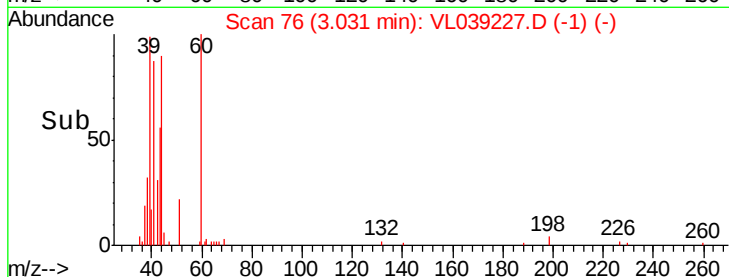
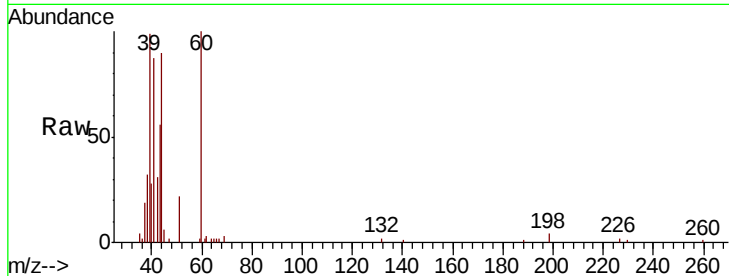


#9
 Propene
 Concen: 0.596 ppbv
 RT: 3.03
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Jun 2022 2:52

Tot Ion:
 Ion Ratio
 41 100
 42 54.

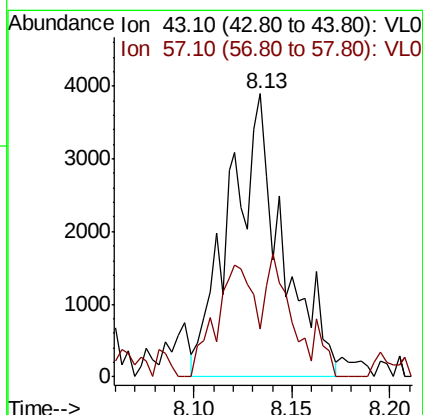
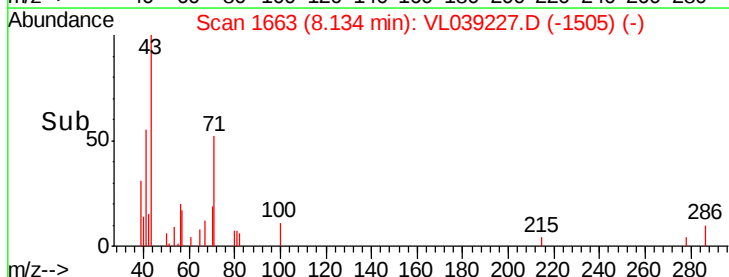
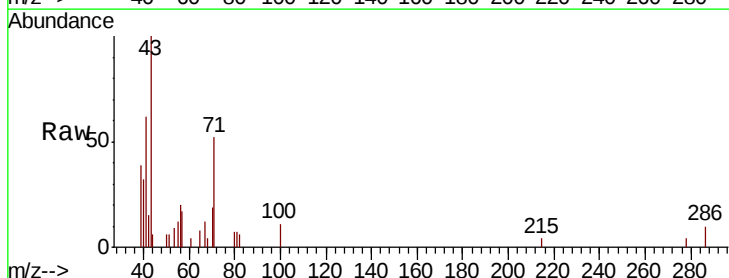
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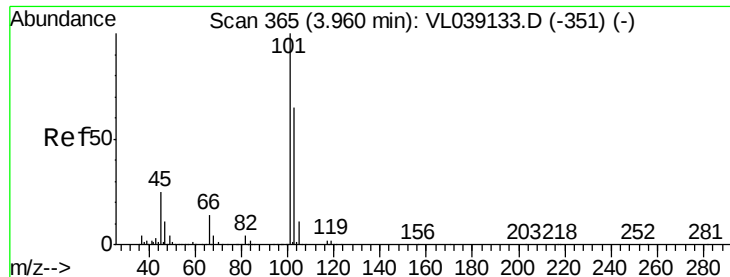
Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022



#10
 Heptane
 Concen: 0.097 ppbv m
 RT: 8.13 min Scan# 1663
 Delta R.T. 0.01 min
 Lab File: VL039227.D
 Acq: 8 Jun 2022 2:52

Tgt Ion: 43 Resp: 7311
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.4 62.2#



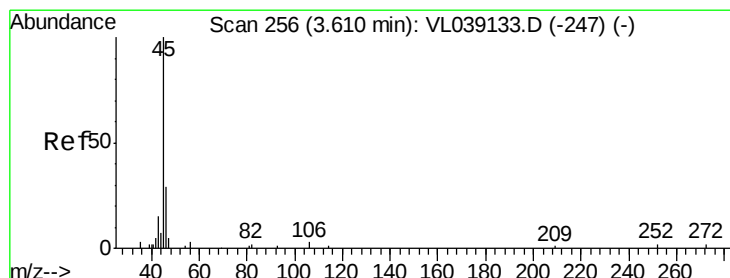
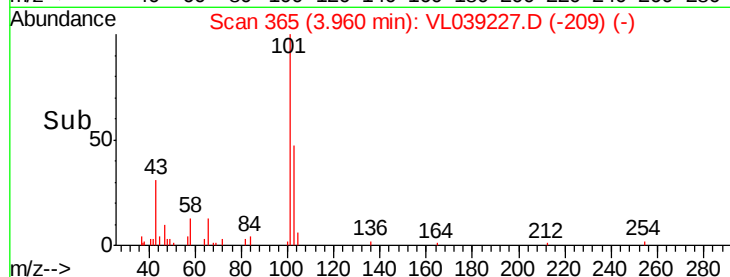
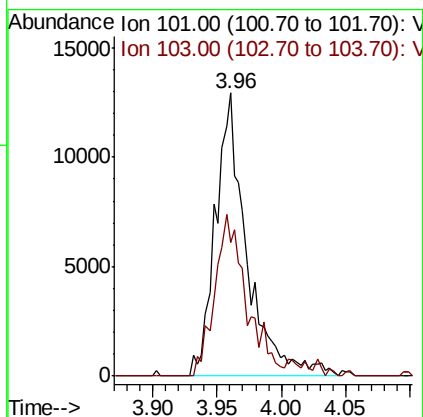
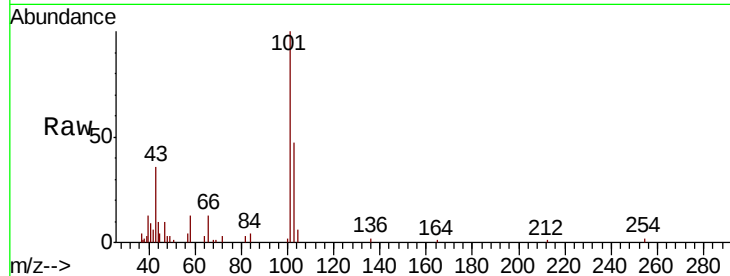


#11
 Trichlorofluoromethane
 Concen: 0.237 ppbv m
 RT: 3.96
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 8 Jun 2022 2:52

Tot Ion: 1
 Ion Ratio
 101 100
 103 47.

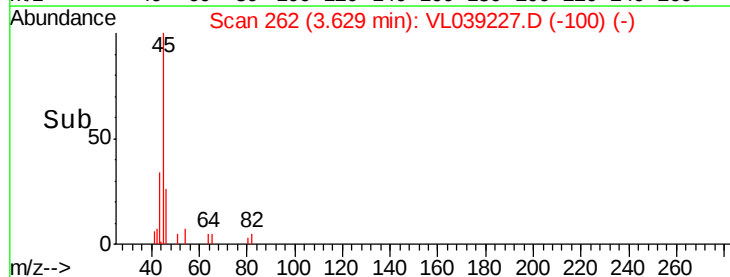
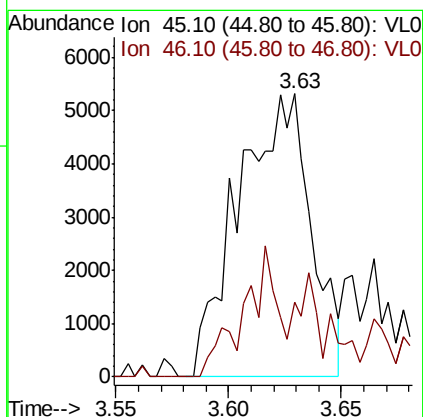
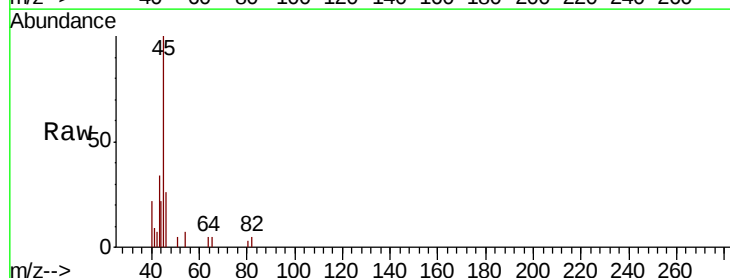
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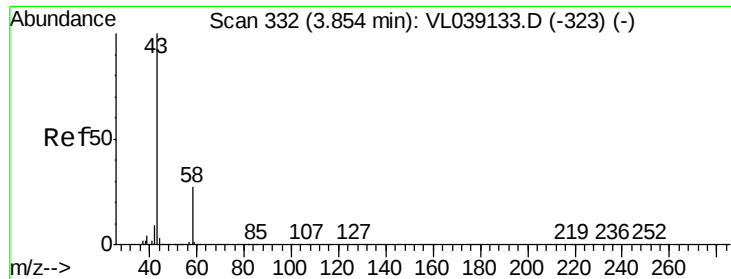
Reviewed By : Semsettin Yesilyurt 06/10/2022
 Supervised By : Mahesh Dadoda 06/10/2022



#13
 Ethanol
 Concen: 6.739 ppbv m
 RT: 3.63 min Scan# 262
 Delta R.T. 0.02 min
 Lab File: VL039227.D
 Acq: 8 Jun 2022 2:52

Tgt Ion: 45 Resp: 11913
 Ion Ratio Lower Upper
 45 100
 46 36.8 0.0 0.0#



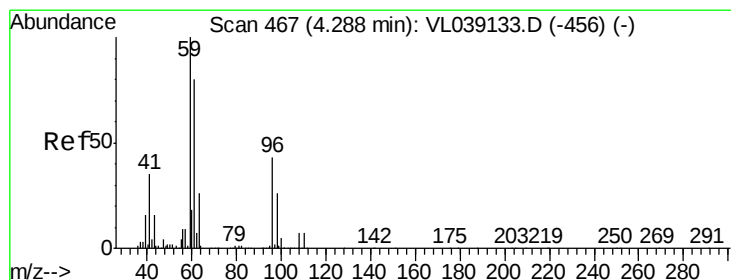
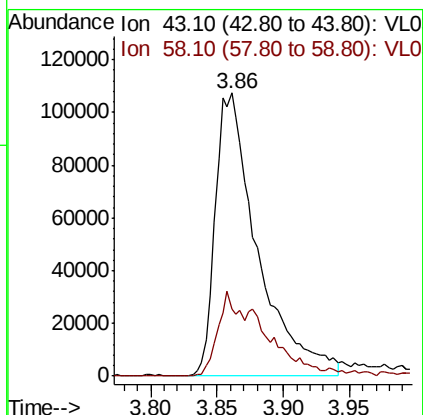
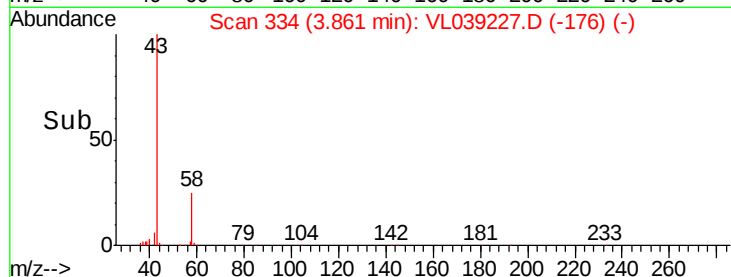
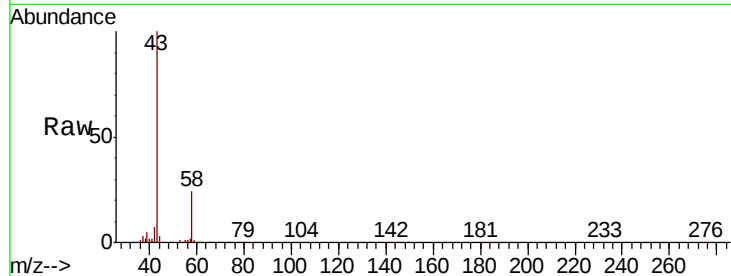


#15
Acetone
Concen: 3.927 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Jun 2022 2:52

Tot Ion:
Ion Ratio
43 100
58 33.

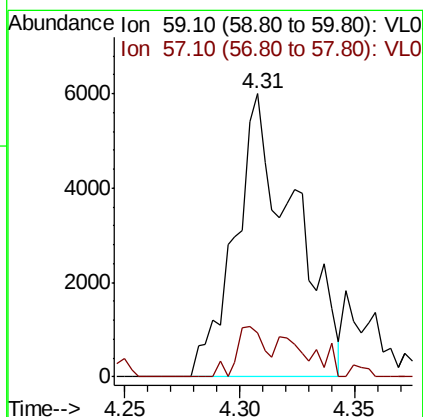
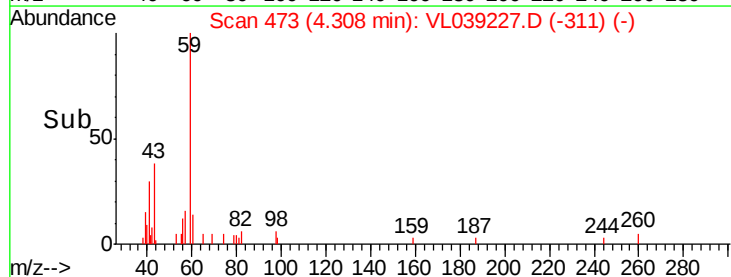
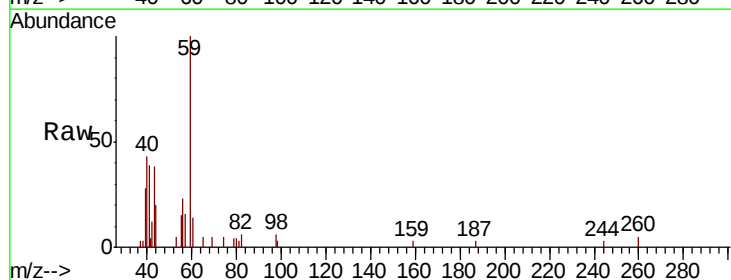
Manual Integrations
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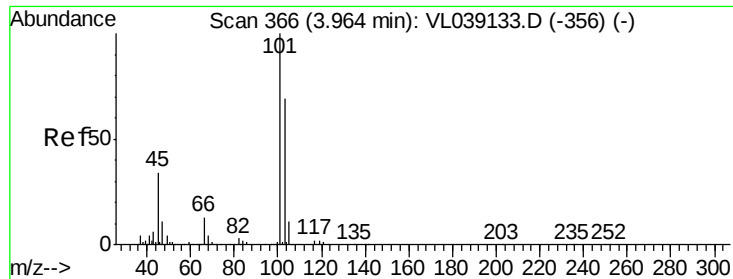
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#17
tert-Butyl alcohol
Concen: 0.226 ppbv m
RT: 4.31 min Scan# 473
Delta R.T. 0.02 min
Lab File: VL039227.D
Acq: 8 Jun 2022 2:52

Tgt Ion: 59 Resp: 10684
Ion Ratio Lower Upper
59 100
57 18.1 9.1 13.7#





#19

Isopropyl Alcohol

Concen: 0.448 ppbv m

RT: 3.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 8 Jun 2022 2:52

Tot Ion:

Ion Ratio

45 100

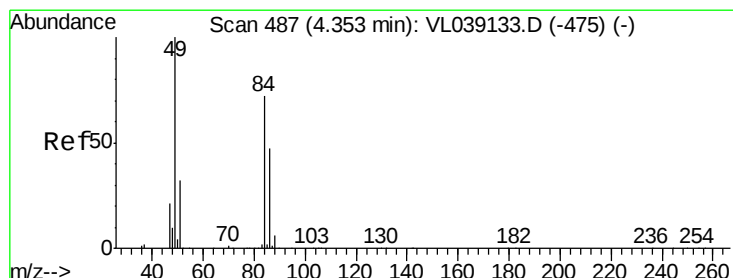
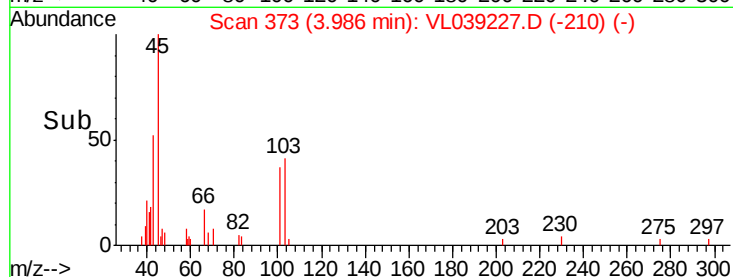
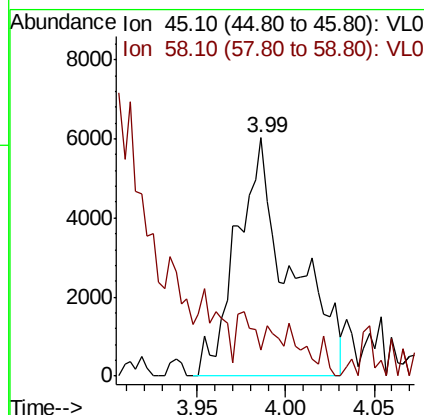
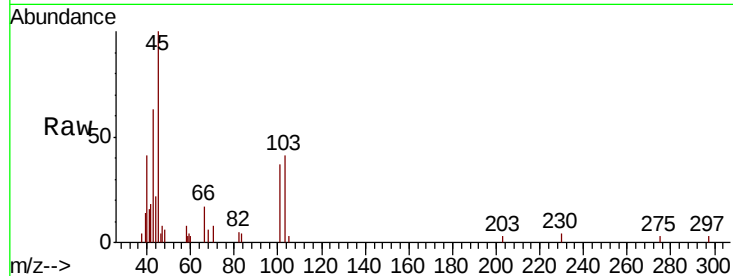
58 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#20

Methylene Chloride

Concen: 2.621 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.00 min

Lab File: VL039227.D

Acq: 8 Jun 2022 2:52

Tgt Ion: 84 Resp: 67228

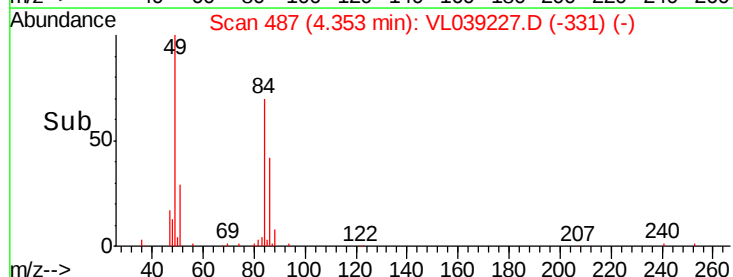
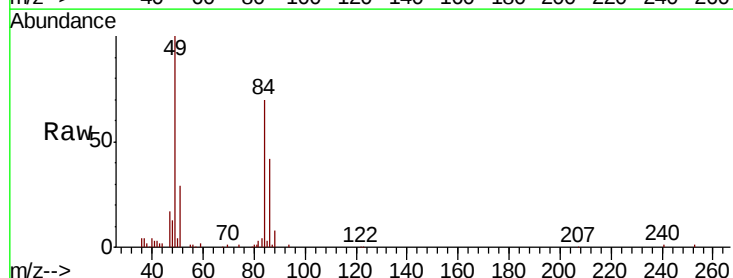
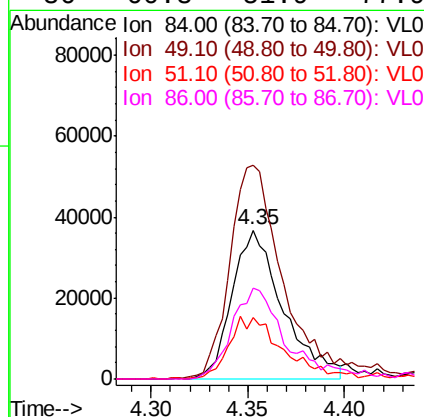
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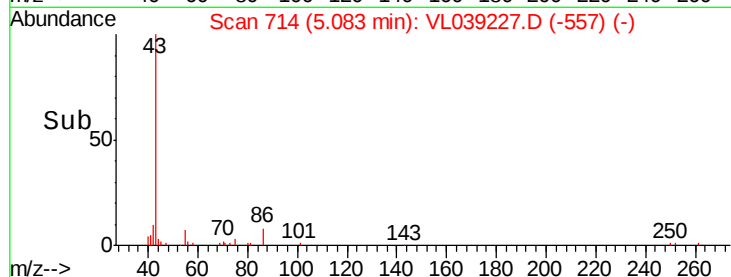
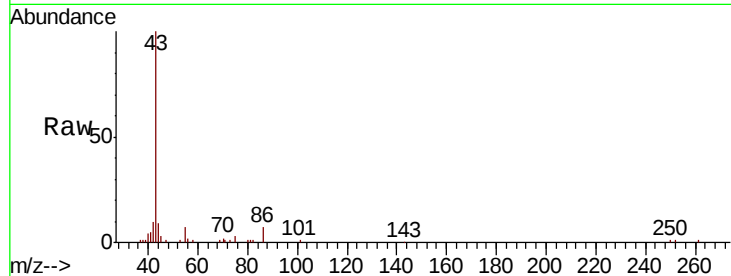
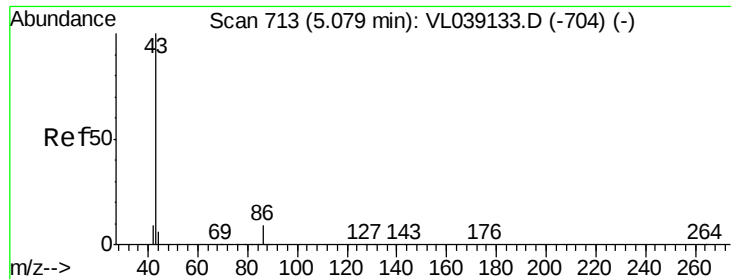
84 100

49 141.6 111.1 166.7

51 40.3 35.3 52.9

86 60.8 51.9 77.9



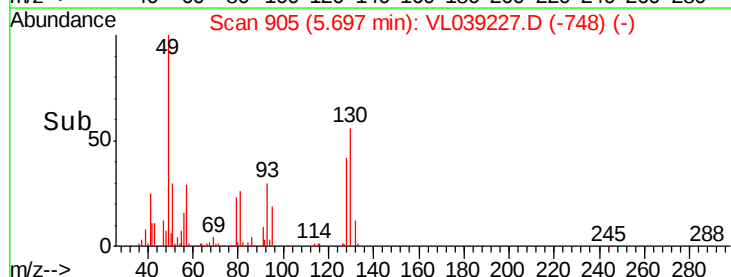
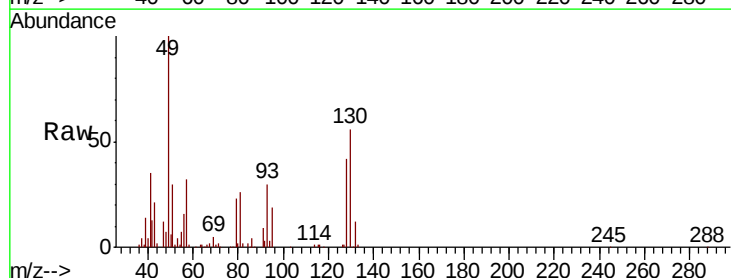
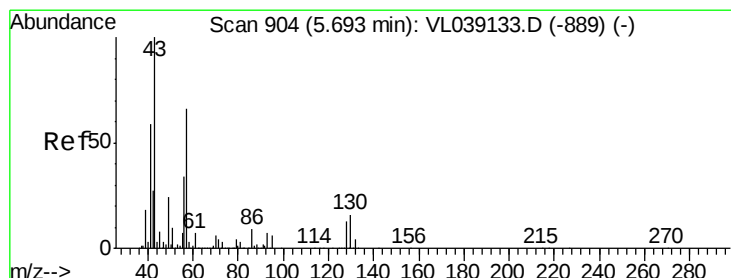
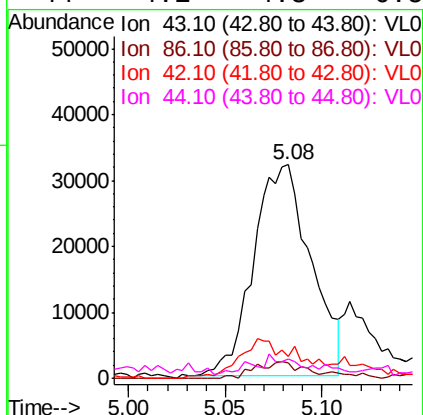


#23
 Vinyl Acetate
 Concen: 1.320 ppbv
 RT: 5.08
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Jun 2022 2:52

Tot Ion:
 Ion Ratio
 43 100
 86 7.
 42 9.
 44 4.1 4.3 6.5#

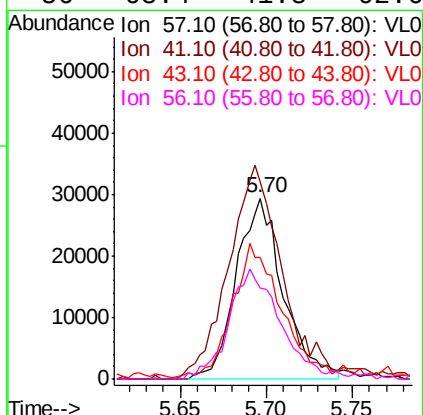
Manual Integrations
 APPROVED

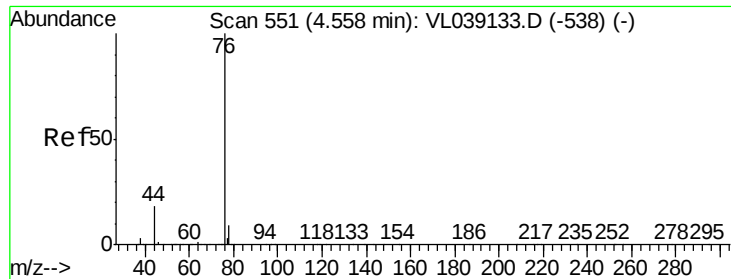
Reviewed By :Semsettin Yesilyurt 06/10/2022
 Supervised By :Mahesh Dadoda 06/10/2022



#26
 Hexane
 Concen: 0.920 ppbv
 RT: 5.70 min Scan# 905
 Delta R.T. 0.00 min
 Lab File: VL039227.D
 Acq: 8 Jun 2022 2:52

Tgt Ion: 57 Resp: 55472
 Ion Ratio Lower Upper
 57 100
 41 140.3 72.4 108.6#
 43 79.1 187.0 280.6#
 56 68.4 41.8 62.6#



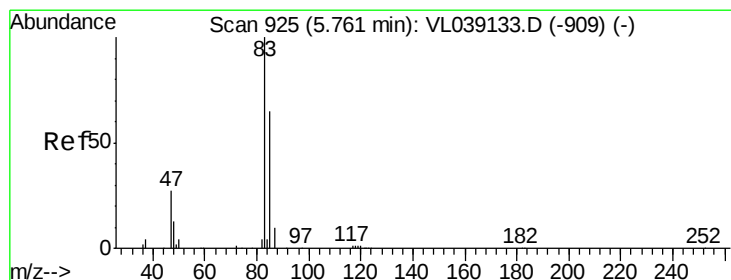
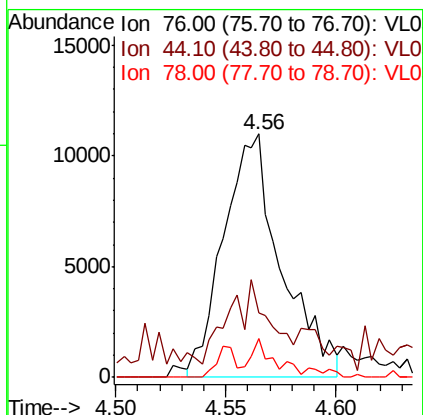
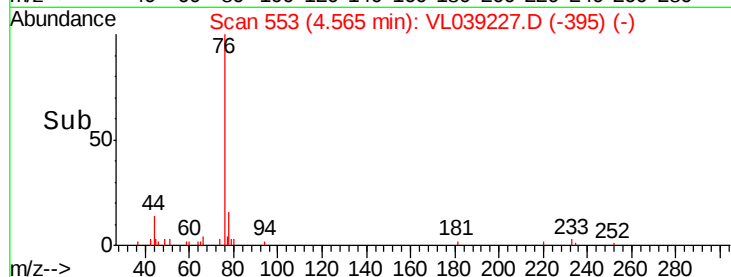
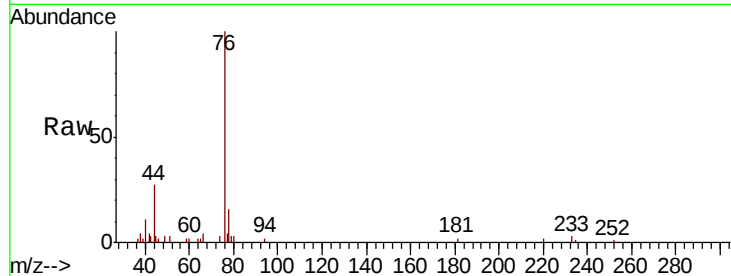


#27
Carbon Disulfide
Concen: 0.321 ppbv m
RT: 4.56
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 8 Jun 2022 2:52

Tot Ion:
Ion Ratio
76 100
44 34.
78 12.

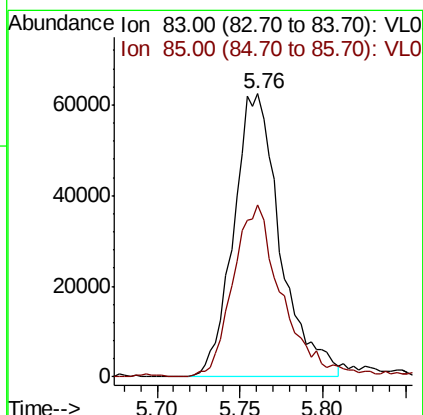
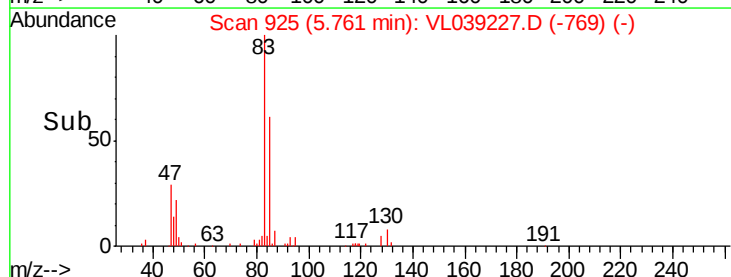
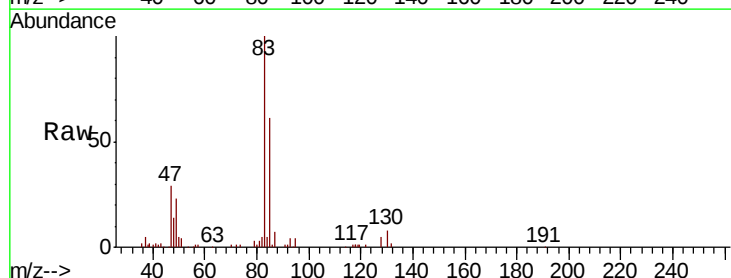
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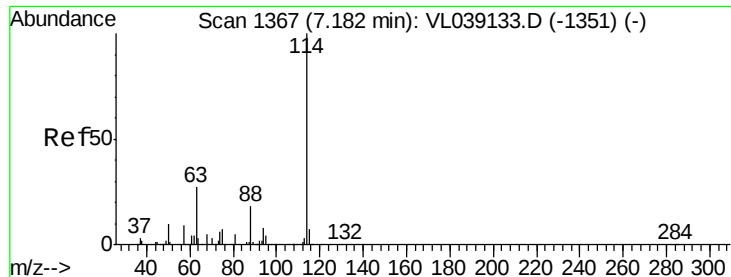
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#29
Chloroform
Concen: 1.208 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.00 min
Lab File: VL039227.D
Acq: 8 Jun 2022 2:52

Tgt Ion: 83 Resp: 122505
Ion Ratio Lower Upper
83 100
85 60.8 52.4 78.6



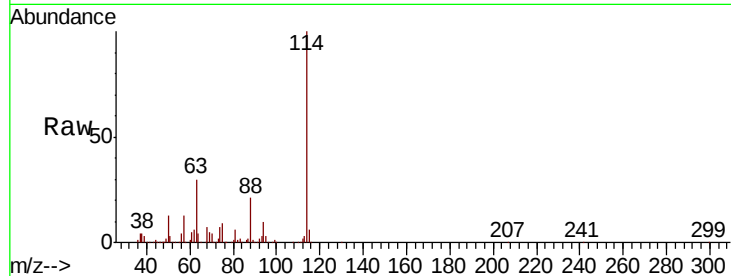


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Jun 2022 2:52

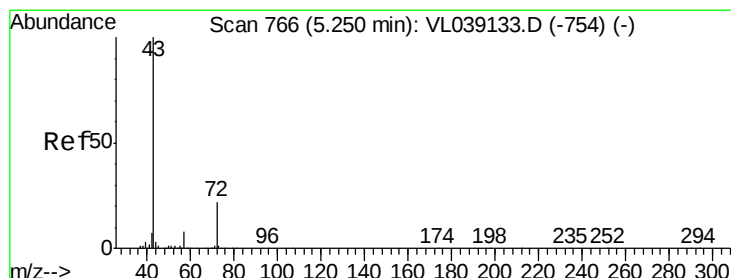
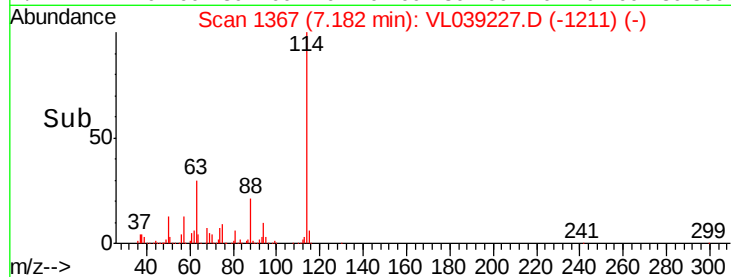
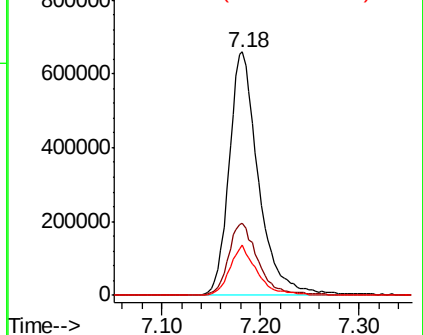
Tot Ion:1
 Ion Rati
 114 100
 63 30.
 88 19.

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 Supervised By :Mahesh Dadoda 06/10/2022

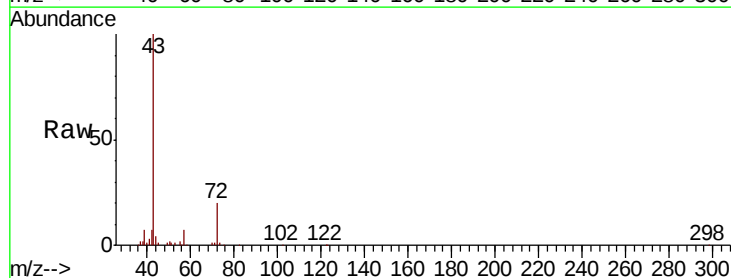


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

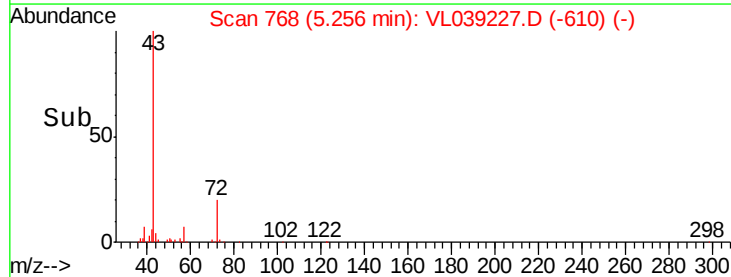
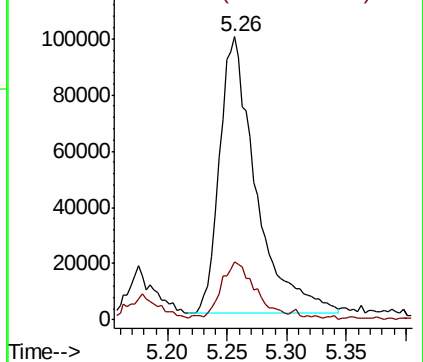


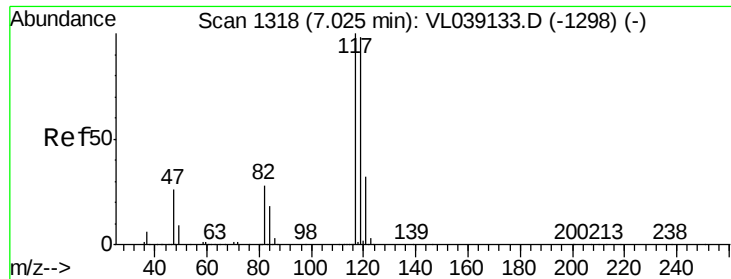
#34
 2-Butanone
 Concen: 2.827 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL039227.D
 Acq: 8 Jun 2022 2:52

Tgt Ion: 43 Resp: 210329
 Ion Ratio Lower Upper
 43 100
 72 22.0 18.2 27.2



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.054 ppbv m

RT: 7.04 Instrument:

Delta R.T. MSVOA_L

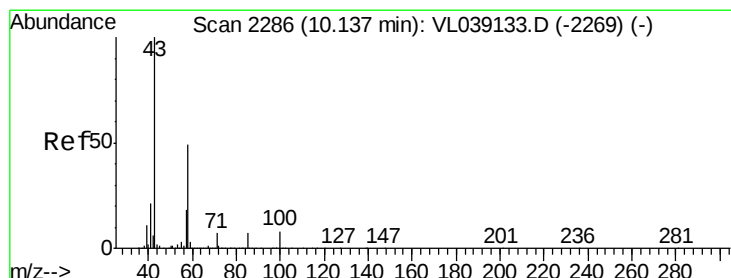
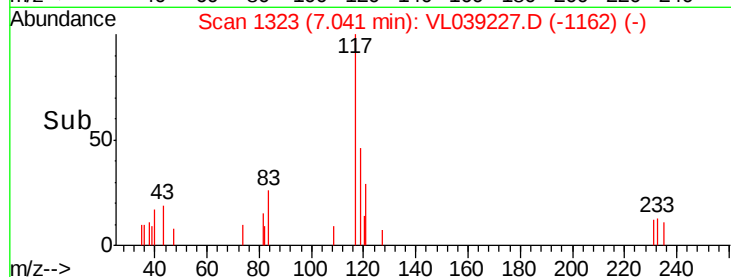
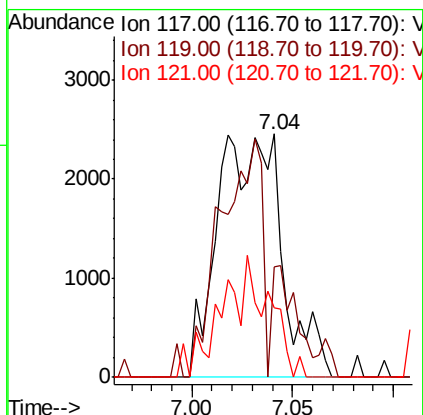
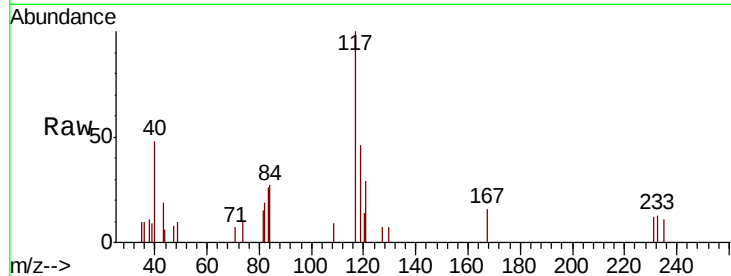
Lab File: ClientSampleId:

Acq: 8 Jun 2022 2:52 SV1

Tot Ion:1
Ion Rati
117 100
119 45.
121 28.

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Supervised By :Mahesh Dadoda 06/10/2022



#51

2-Hexanone

Concen: 1.329 ppbv m

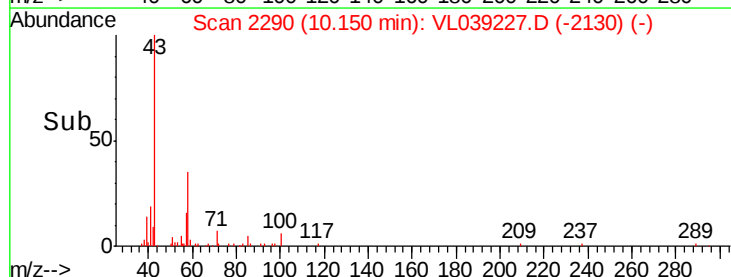
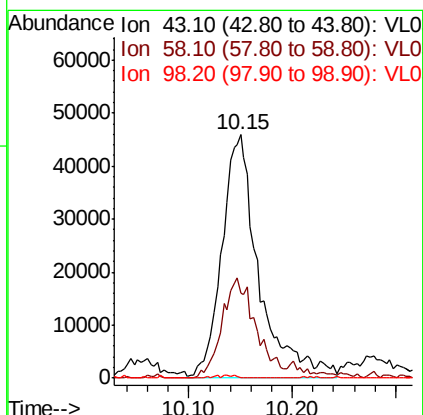
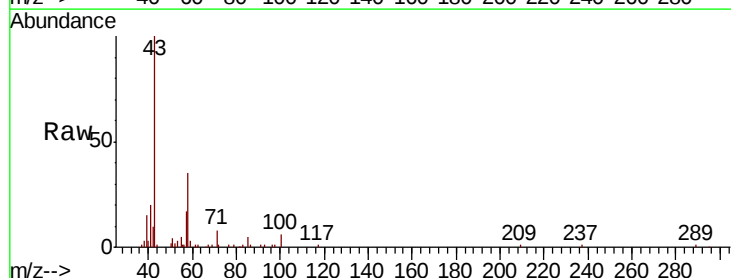
RT: 10.15 min Scan# 2290

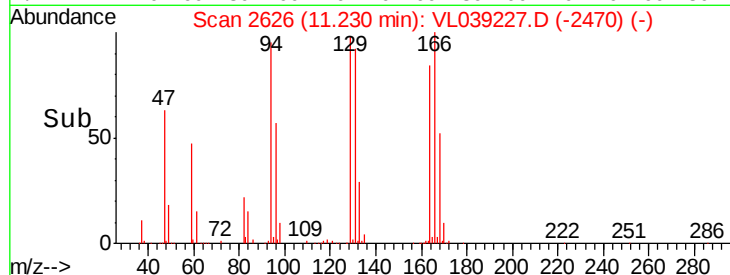
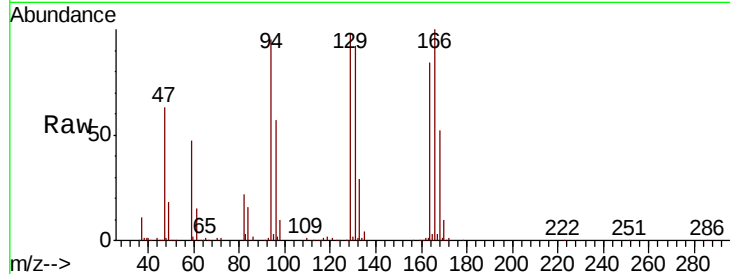
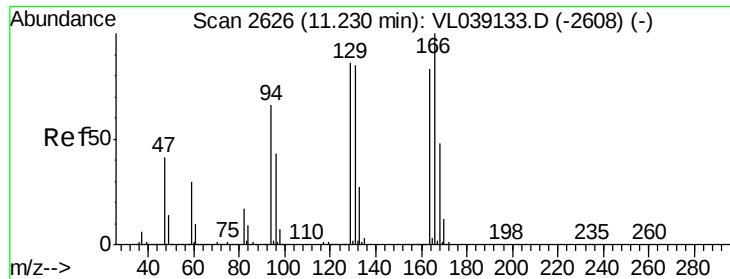
Delta R.T. 0.01 min

Lab File: VL039227.D

Acq: 8 Jun 2022 2:52

Tgt Ion: 43 Resp: 115175
Ion Ratio Lower Upper
43 100
58 40.9 40.0 60.0
98 0.7 0.1 0.1#



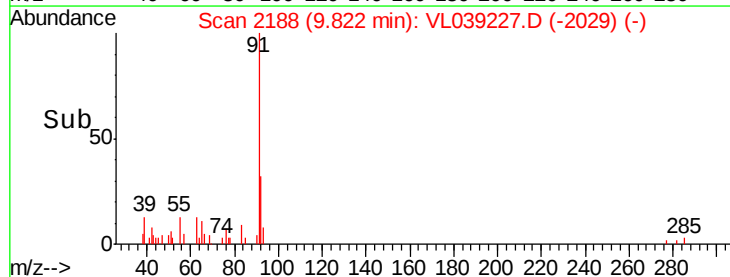
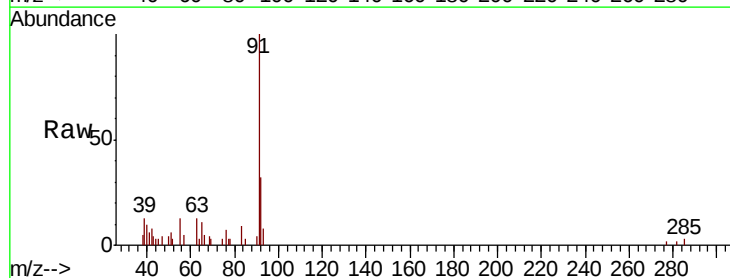
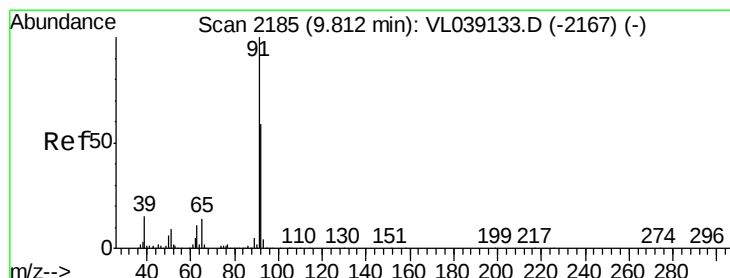
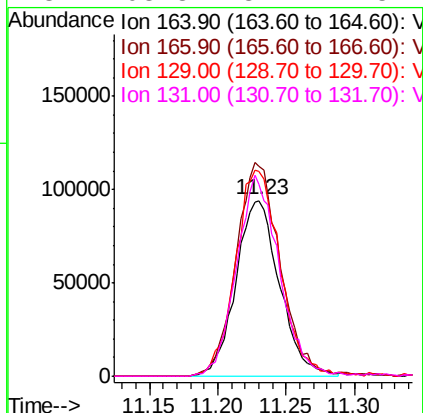


#52
Tetrachloroethene
Concen: 4.809 ppbv
RT: 11.23
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Jun 2022 2:52

Tot Ion: 1
Ion Ratio
164 100
166 119.
129 116.
131 108.8 82.1 123.1

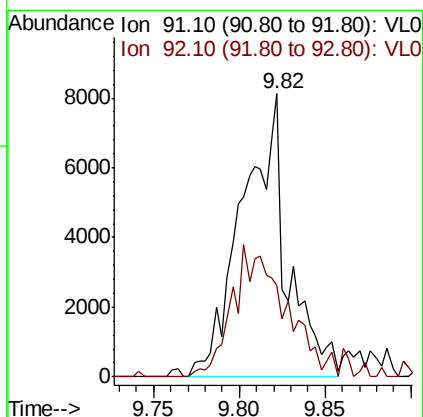
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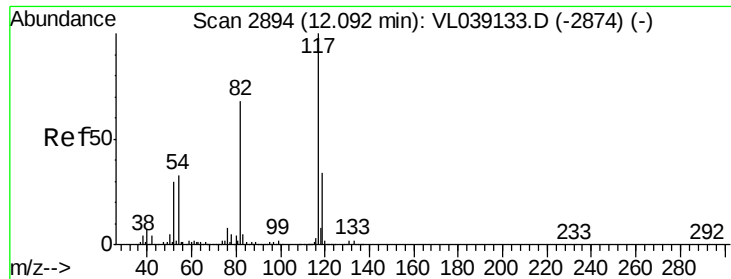
Reviewed By : Semsettin Yesilyurt 06/10/2022
Supervised By : Mahesh Dadoda 06/10/2022



#53
Toluene
Concen: 0.117 ppbv m
RT: 9.82 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VL039227.D
Acq: 8 Jun 2022 2:52

Tgt Ion: 91 Resp: 14953
Ion Ratio Lower Upper
91 100
92 56.2 48.1 72.1



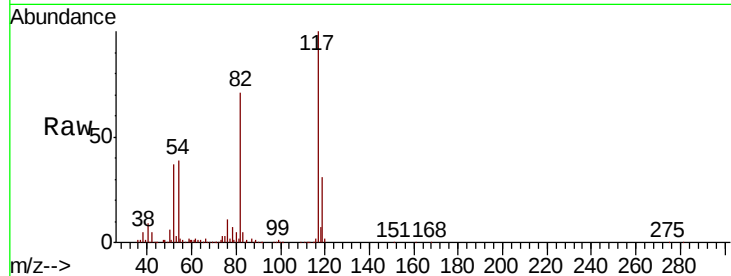


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Jun 2022 2:52

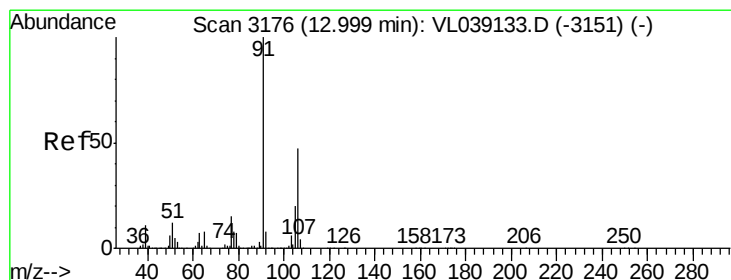
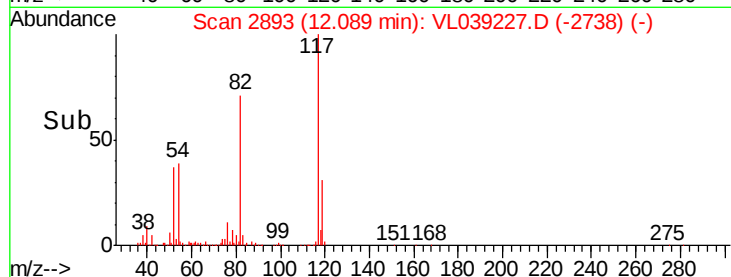
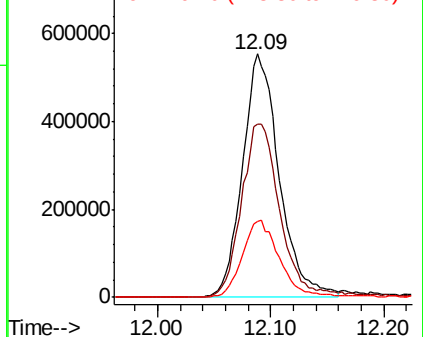
Tot Ion: 1
Ion Ratio
117 100
82 77.
119 33.

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Supervised By :Mahesh Dadoda 06/10/2022

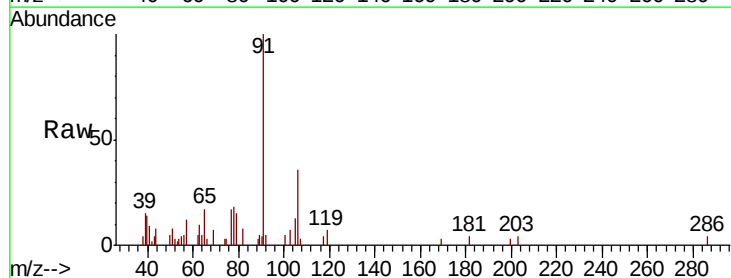


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

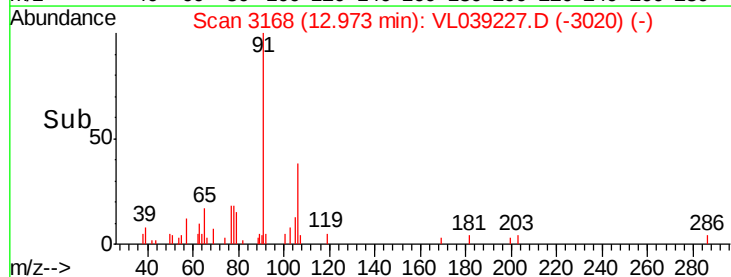
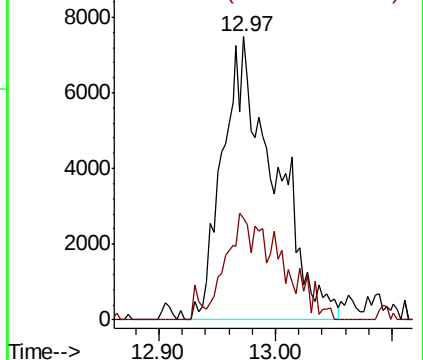


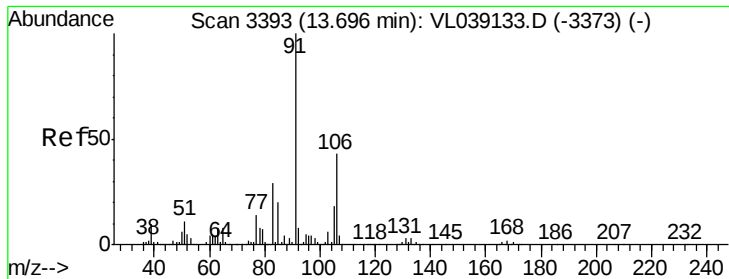
#59
m/p-Xylene
Concen: 0.152 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.03 min
Lab File: VL039227.D
Acq: 8 Jun 2022 2:52

Tgt Ion: 91 Resp: 22981
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V



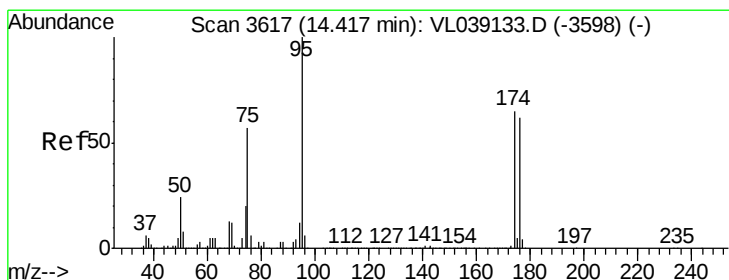
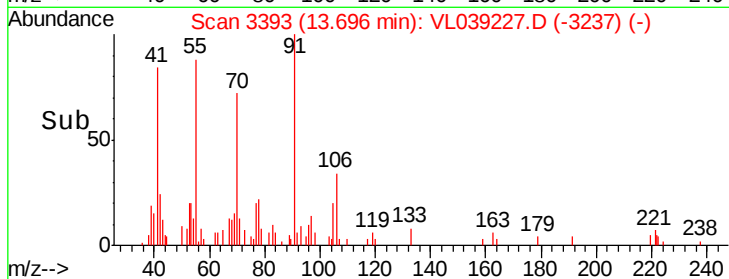
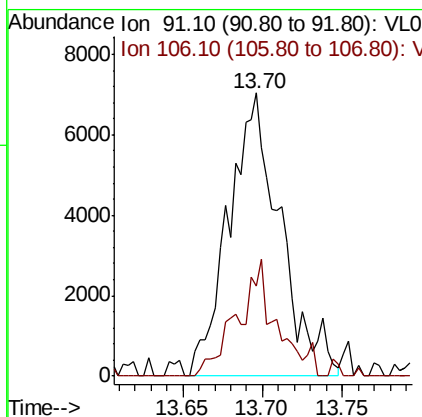
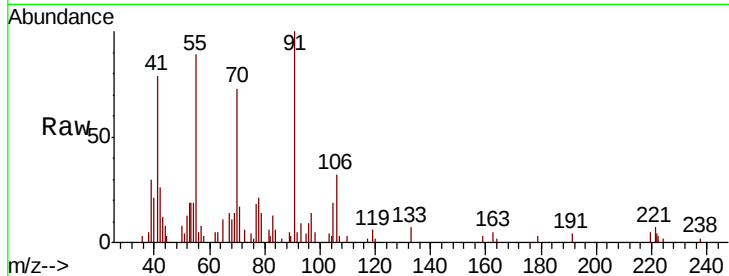


#60
o-Xylene
Concen: 0.111 ppbv m
RT: 13.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 8 Jun 2022 2:52

Tot Ion:
Ion Ratio
91 100
106 31.

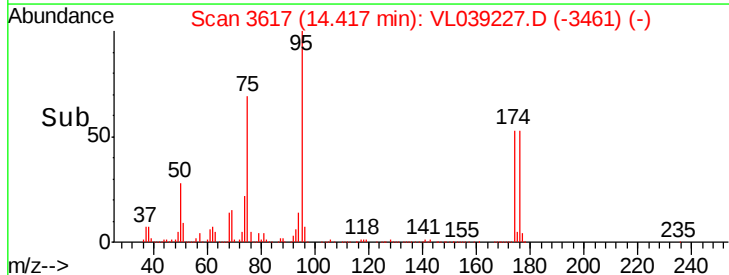
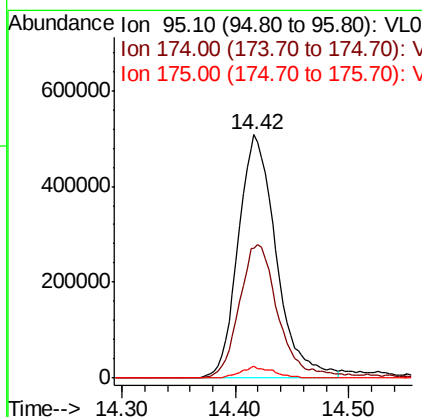
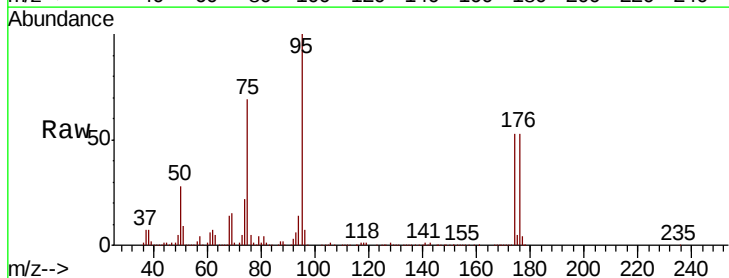
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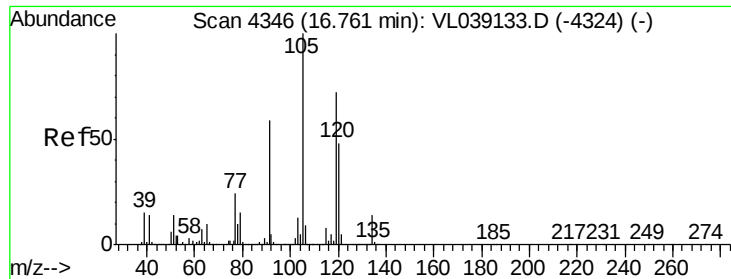
Reviewed By :Semsettin Yesilyurt 06/10/2022
Supervised By :Mahesh Dadoda 06/10/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 11.527 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. 0.00 min
Lab File: VL039227.D
Acq: 8 Jun 2022 2:52

Tgt Ion: 95 Resp: 1190997
Ion Ratio Lower Upper
95 100
174 57.7 53.8 80.8
175 4.3 4.1 6.1





#74

1,2,4-Trimethylbenzene

Concen: 0.308 ppbv m

RT: 16.76

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 8 Jun 2022 2:52

Tot Ion:1

Ion Rati

105 100

120 40.

91 15.

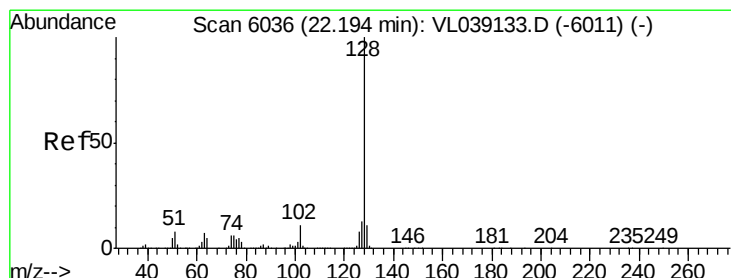
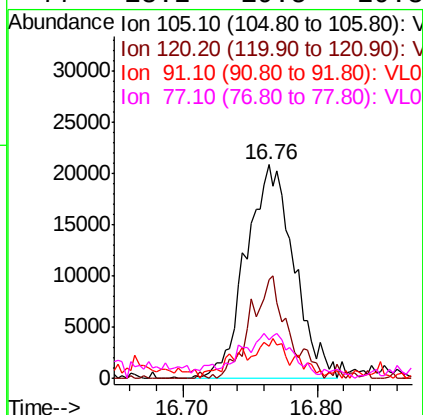
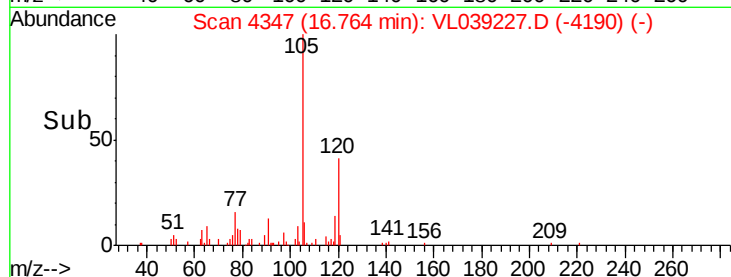
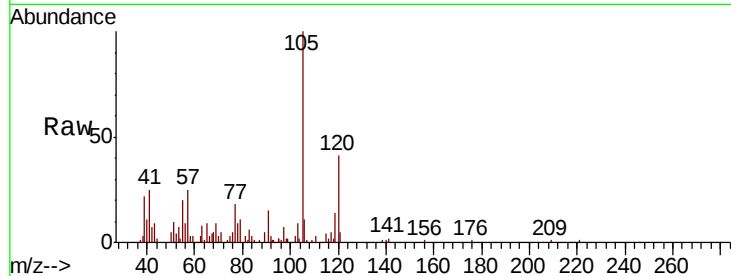
77 18.2 19.5 29.3#

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Reviewed By :Semsettin Yesilyurt 06/10/2022

Supervised By :Mahesh Dadoda 06/10/2022



#79

Naphthalene

Concen: 0.258 ppbv m

RT: 22.20 min Scan# 6037

Delta R.T. 0.00 min

Lab File: VL039227.D

Acq: 8 Jun 2022 2:52

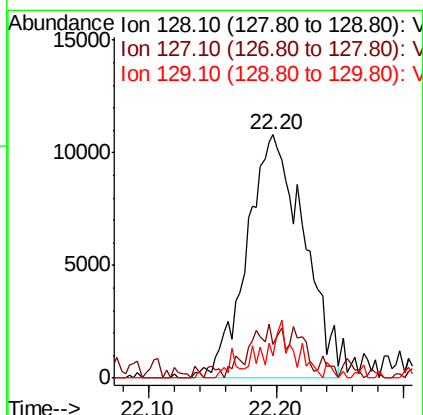
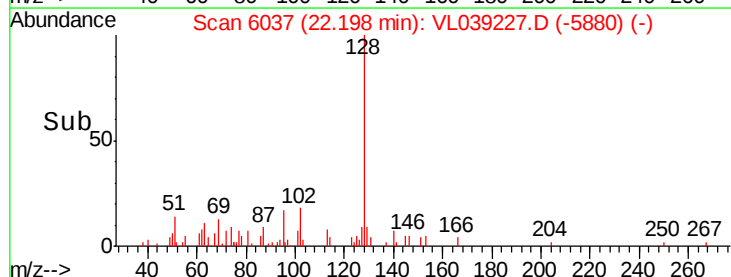
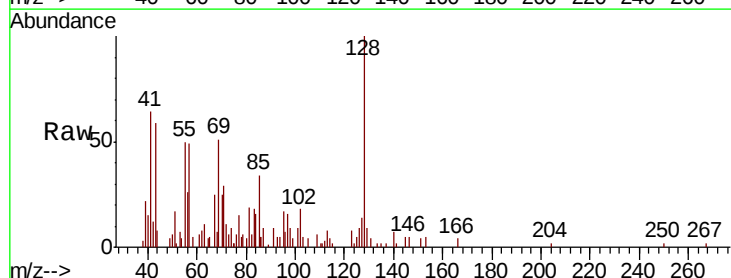
Tgt Ion:128 Resp: 33329

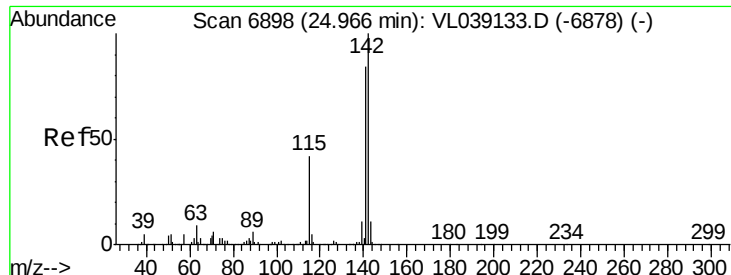
Ion Ratio Lower Upper

128 100

127 13.7 10.4 15.6

129 9.0 9.0 13.6#





#80
 Naphthalene, 2-methyl-
 Concen: 0.174 ppbv
 RT: 24.98
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 8 Jun 2022 2:52

Tot Ion:1
 Ion Rati
 142 100
 141 68.
 115 34.

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

