

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050522\
 Data File : VL038977.D
 Acq On : 5 May 2022 18:01
 Operator : SY/AP
 Sample : N2698-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022
 Supervised By :Mahesh Dadoda 05/09/2022

Quant Time: May 06 08:29:59 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu May 05 07:41:27 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1178121	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3078972	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2620968	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2016977	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	56655	0.307	ppbv	90
3) Chlorodifluoromethane	2.99	51	58241m	0.398	ppbv	
4) Chloromethane	3.14	50	33297	0.455	ppbv	96
9) Propene	3.02	41	199306m	3.122	ppbv	
11) Trichlorofluoromethane	3.95	101	32510	0.205	ppbv	93
13) Ethanol	3.60	45	622307	124.825	ppbv	88
15) Acetone	3.84	43	1553621	13.980	ppbv	99
20) Methylene Chloride	4.34	84	809548	19.328	ppbv	94
26) Hexane	5.68	57	1196672	10.125	ppbv #	37
34) 2-Butanone	5.25	43	31587	0.201	ppbv #	90
35) Carbon Tetrachloride	7.02	117	10853m	0.053	ppbv	
36) Benzene	6.88	78	38764	0.147	ppbv #	92
52) Tetrachloroethene	11.21	164	16269m	0.173	ppbv	
53) Toluene	9.80	91	98851	0.335	ppbv	99
58) Ethyl Benzene	12.70	91	1947219	5.162	ppbv	99
59) m/p-Xylene	12.95	91	6423695	19.949	ppbv	92
60) o-Xylene	13.68	91	2193885	7.239	ppbv	99

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

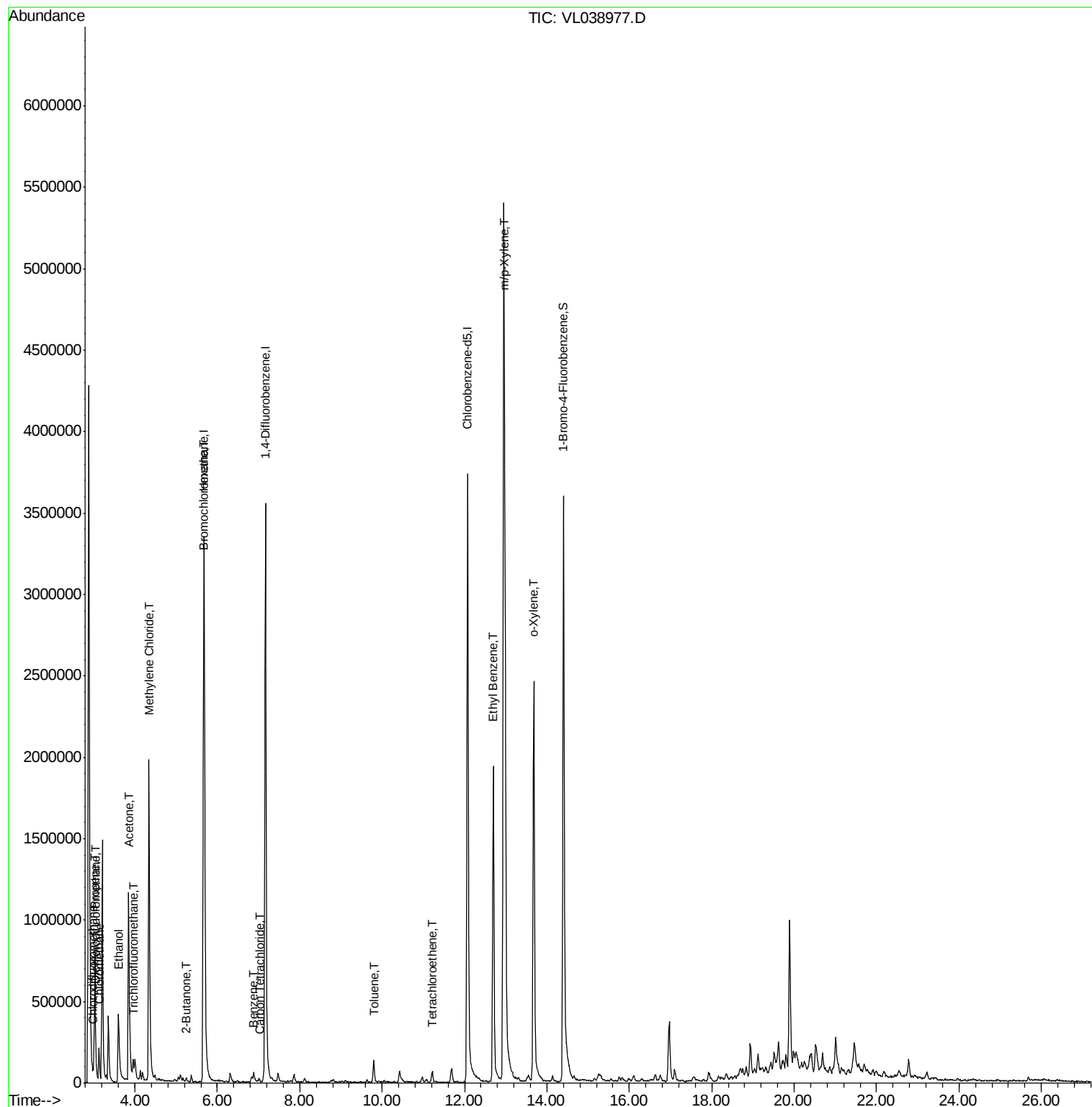
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050522\
Data File : VL038977.D
Acq On : 5 May 2022 18:01
Operator : SY/AP
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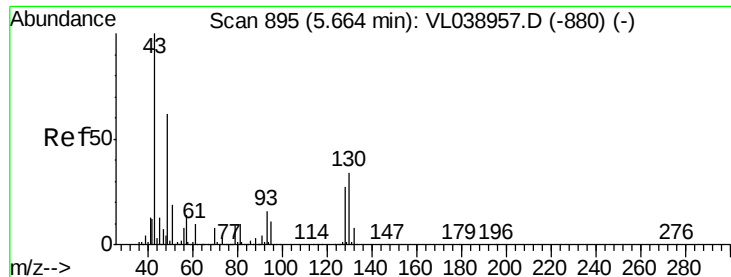
Instrument :
MSVOA_L
ClientSampleId :
IA2

Quant Time: May 06 08:29:59 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522\
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 18:01

Tot Ion:

Ion Ratio

49 100

128 48.

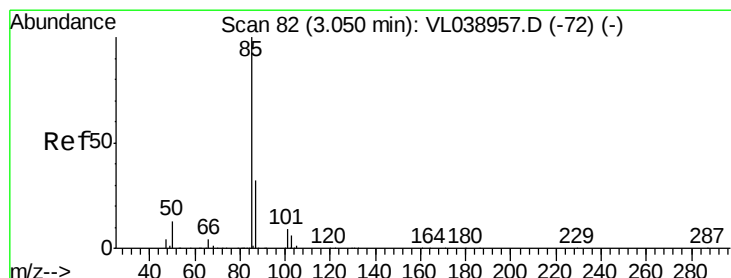
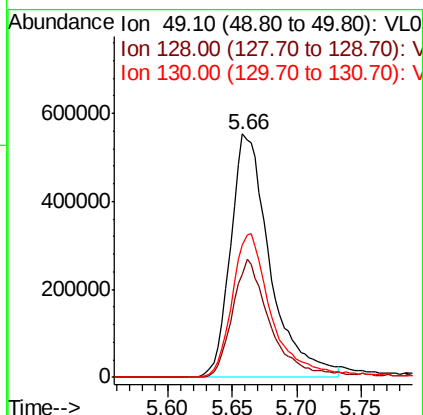
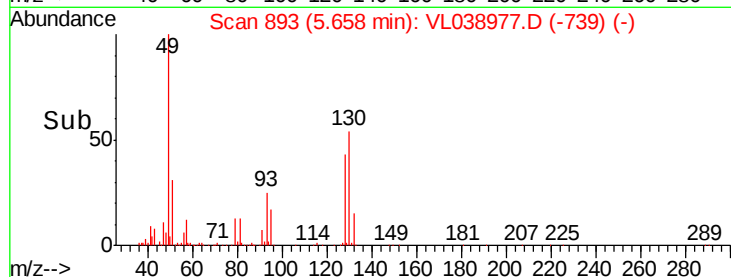
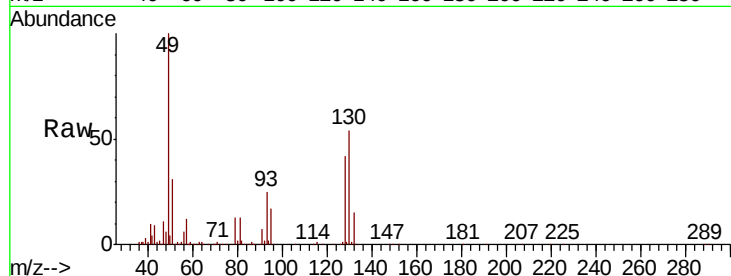
130 60.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#2

Dichlorodifluoromethane

Concen: 0.307 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL038977.D

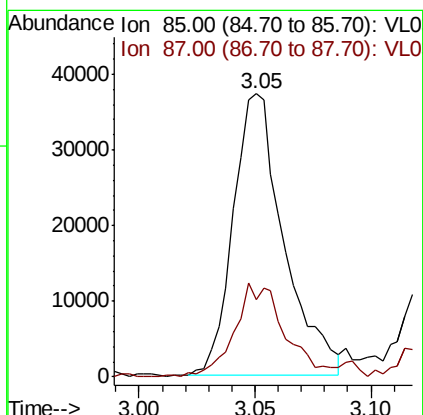
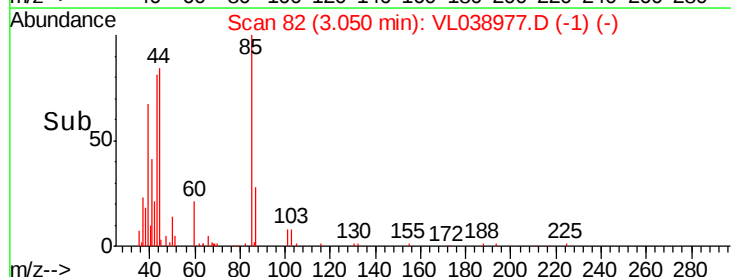
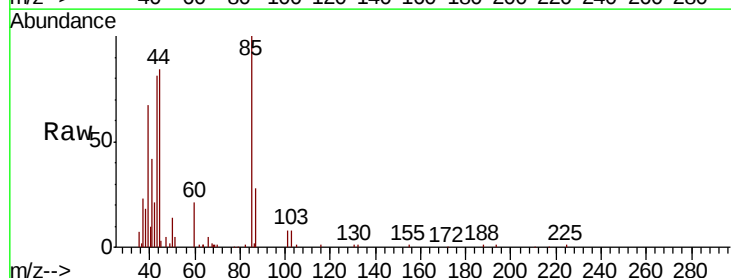
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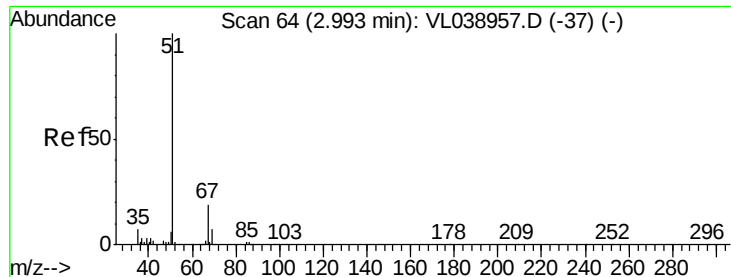
Tgt Ion: 85 Resp: 56655

Ion Ratio Lower Upper

85 100

87 26.3 25.7 38.5



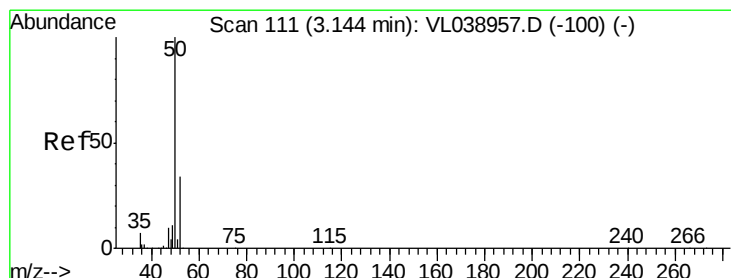
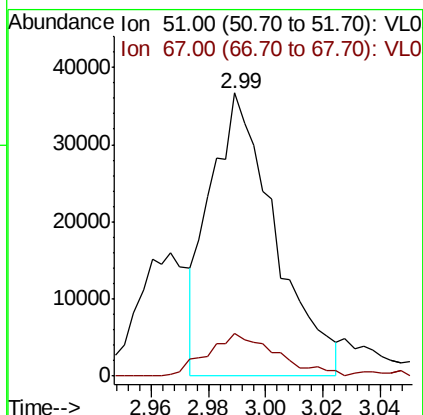
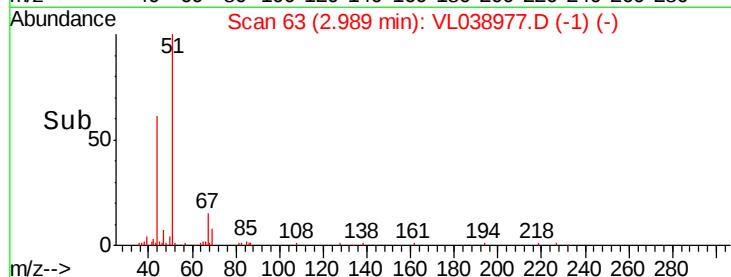
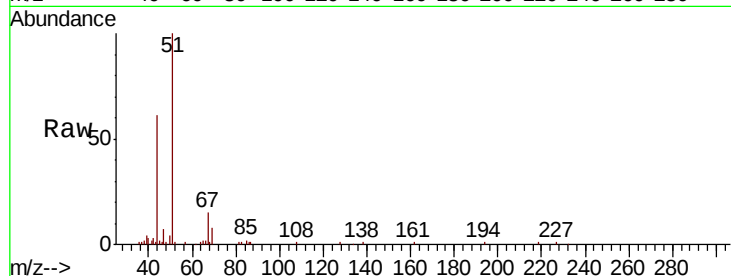


#3
Chlorodifluoromethane
Concen: 0.398 ppbv m
RT: 2.99
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 18:01

Tot Ion:
Ion Ratio
51 100
67 1.

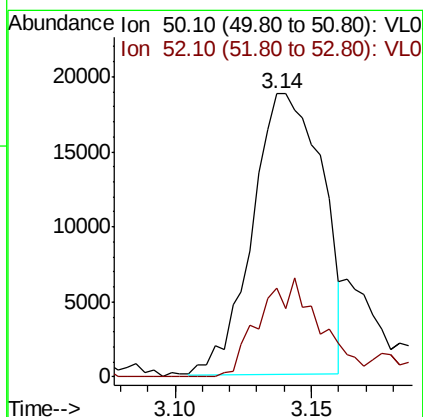
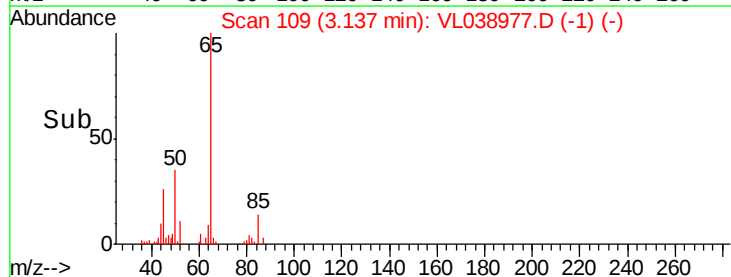
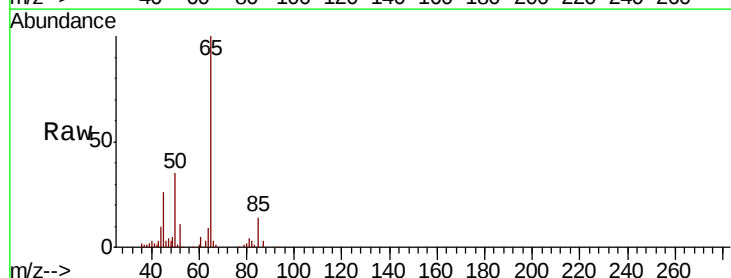
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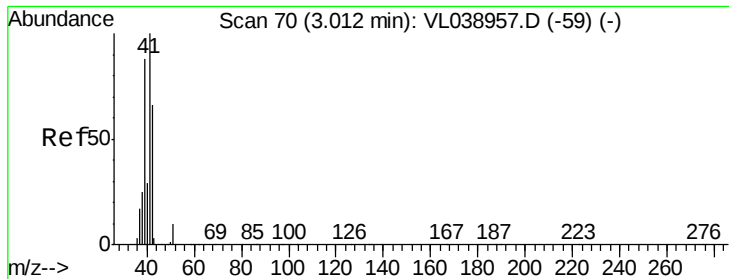
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#4
Chloromethane
Concen: 0.455 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL038977.D
Acq: 5 May 2022 18:01

Tgt Ion: 50 Resp: 33297
Ion Ratio Lower Upper
50 100
52 31.7 27.3 40.9





#9

Propene

Concen: 3.122 ppbv m

RT: 3.02 Instrument :

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 18:01

Tot Ion:

Ion Ratio

41 100

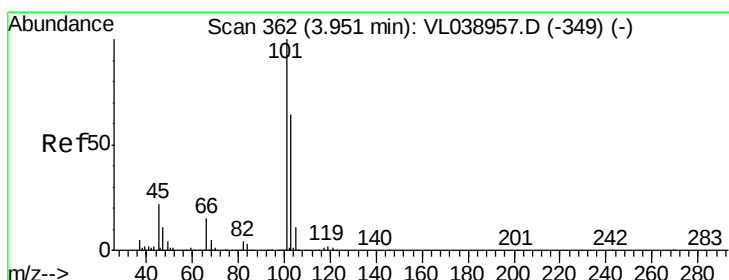
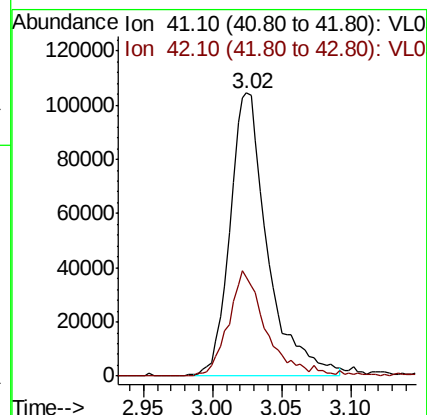
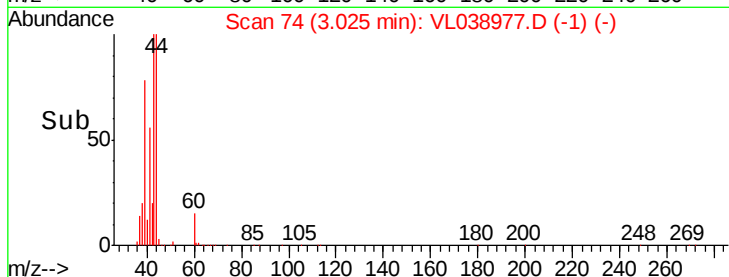
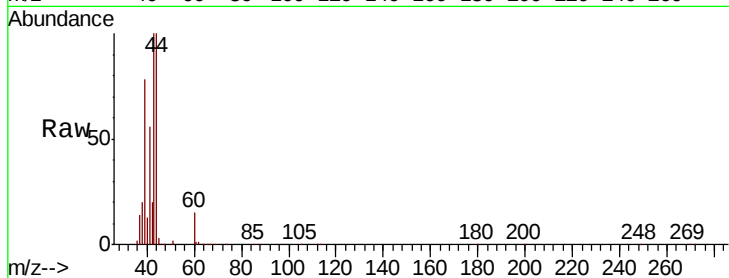
42 186.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2022

Supervised By :Mahesh Dadoda 05/09/2022



#11

Trichlorofluoromethane

Concen: 0.205 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL038977.D

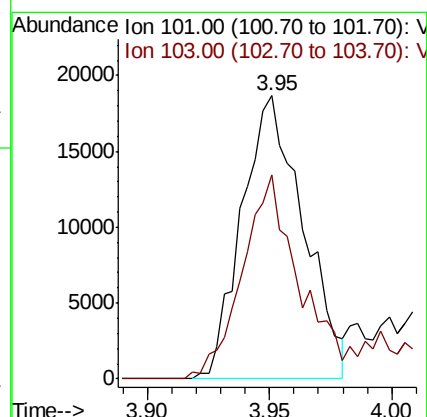
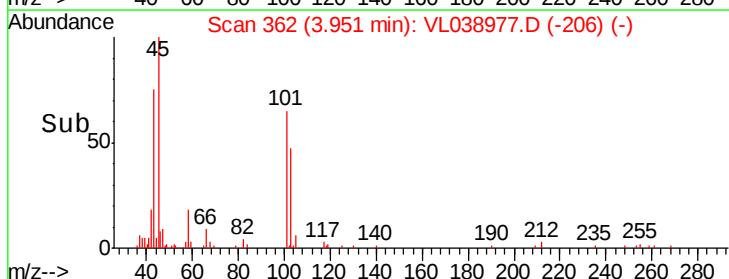
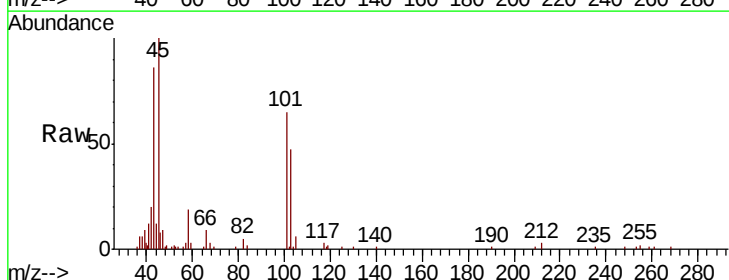
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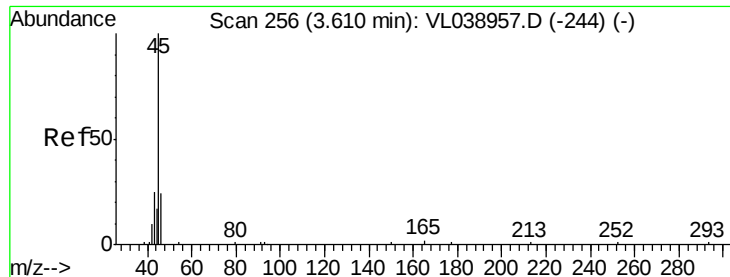
Tgt Ion:101 Resp: 32510

Ion Ratio Lower Upper

101 100

103 69.7 51.5 77.3



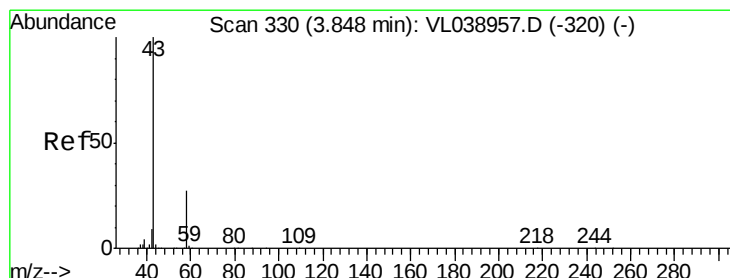
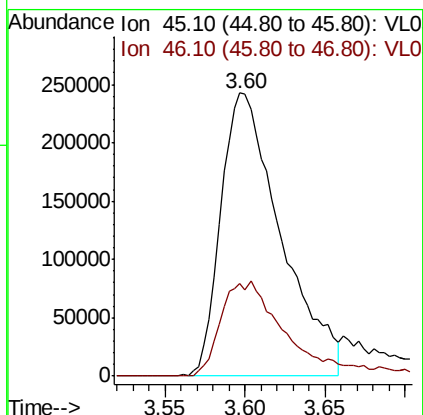
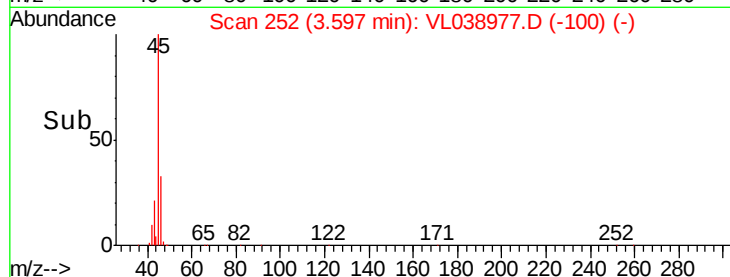
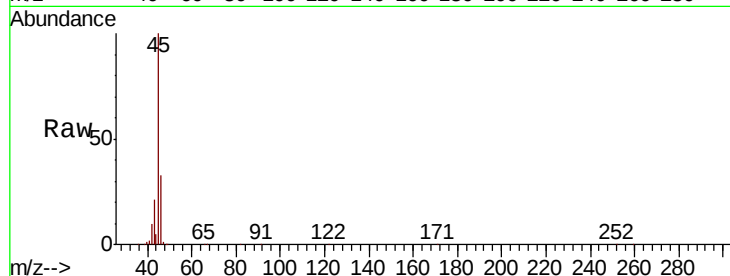


#13
Ethanol
Concen: 124.825 ppbv
RT: 3.60
Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 5 May 2022 18:01

Tot Ion:
Ion Ratio
45 100
46 37.

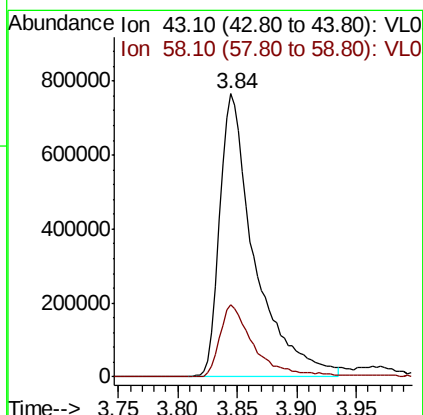
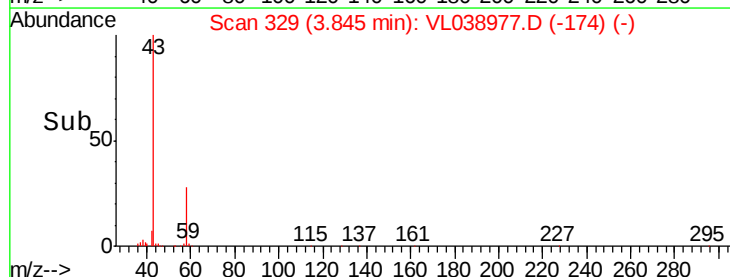
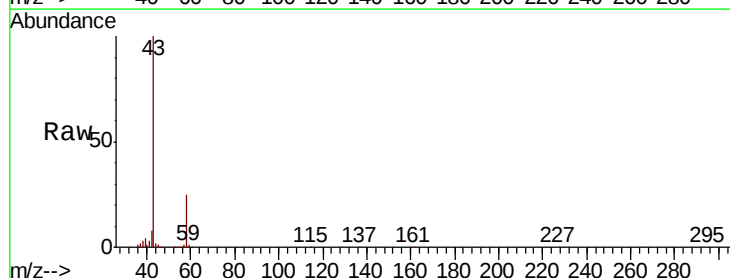
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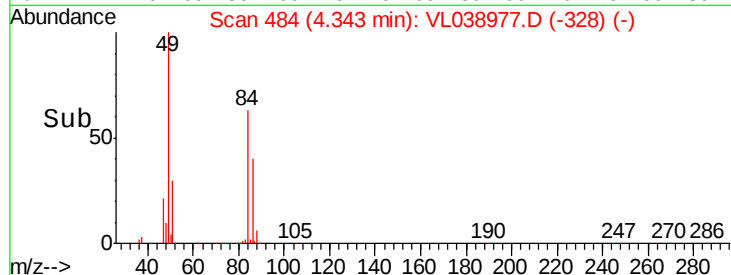
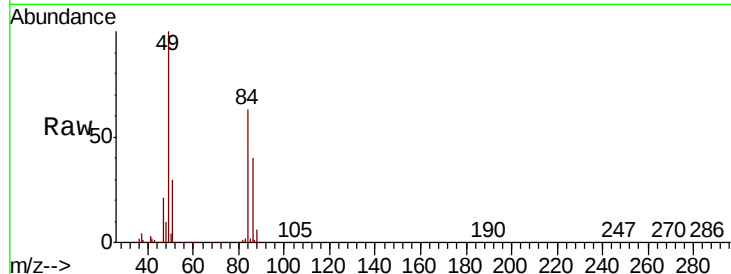
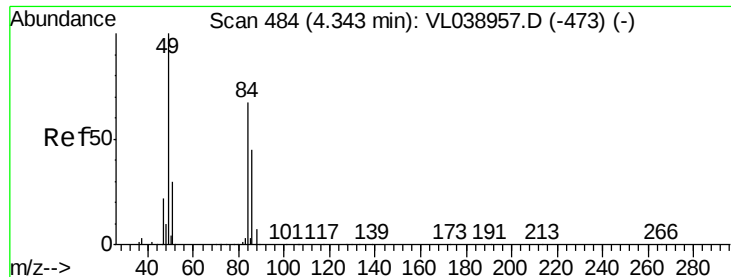
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#15
Acetone
Concen: 13.980 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.00 min
Lab File: VL038977.D
Acq: 5 May 2022 18:01

Tgt Ion: 43 Resp: 1553621
Ion Ratio Lower Upper
43 100
58 26.2 21.3 31.9



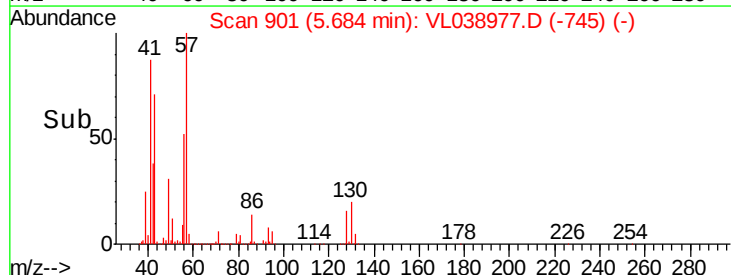
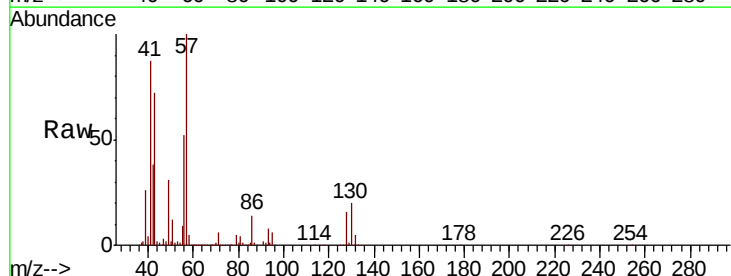
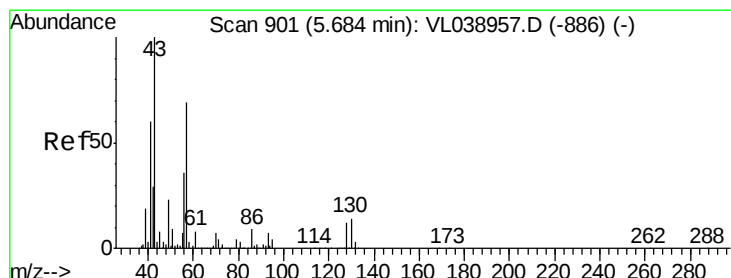
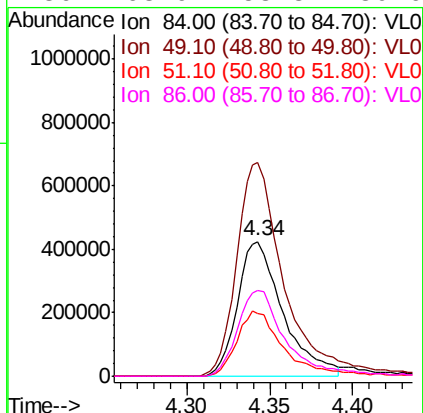


#20
Methvlene Chloride
Concen: 19.328 ppbv
RT: 4.34
Instrument : MSVOA_L
Delta R.T. :
Lab File: ClientSampleId :
Acq: 5 May 2022 18:01

Tot Ion:
Ion Ratio
84 100
49 158.
51 46.
86 63.9 53.8 80.6

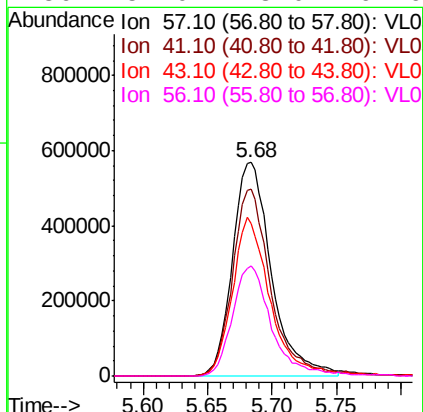
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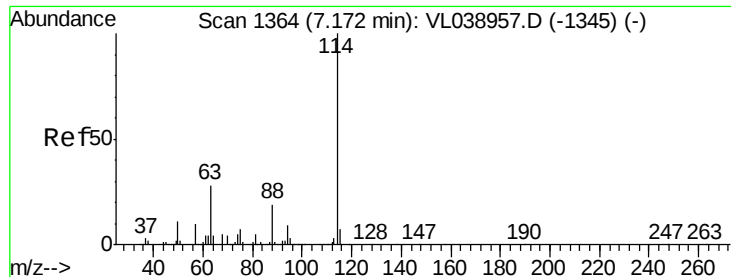
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#26
Hexane
Concen: 10.125 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL038977.D
Acq: 5 May 2022 18:01

Tgt Ion: 57 Resp: 1196672
Ion Ratio Lower Upper
57 100
41 87.0 75.2 112.8
43 72.8 190.8 286.2#
56 52.0 43.0 64.6



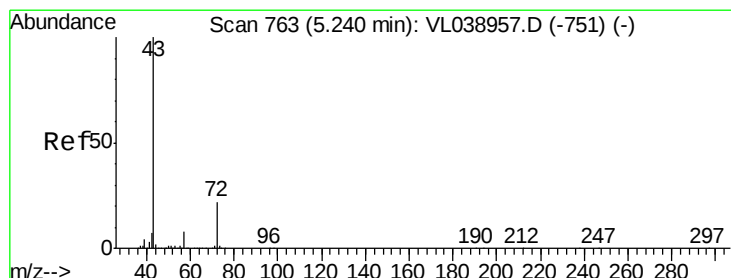
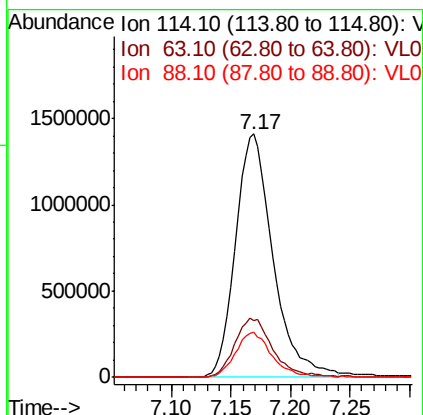
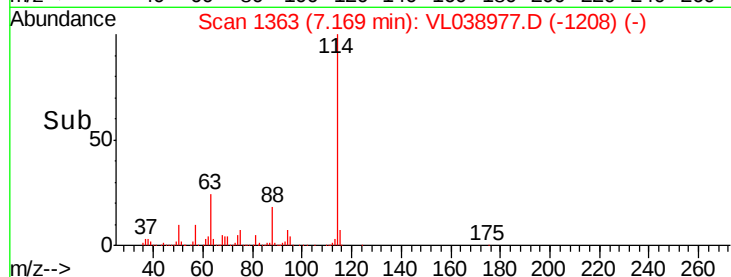
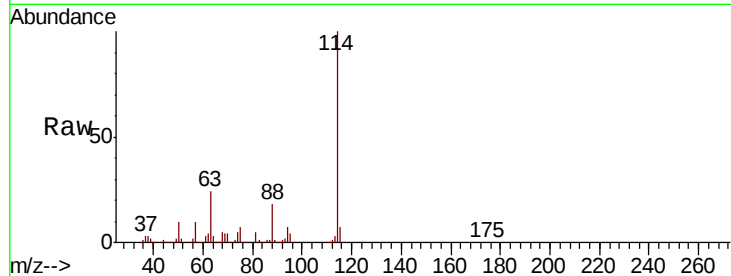


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 18:01

Tot Ion:1
 Ion Rati
 114 100
 63 25.
 88 18.

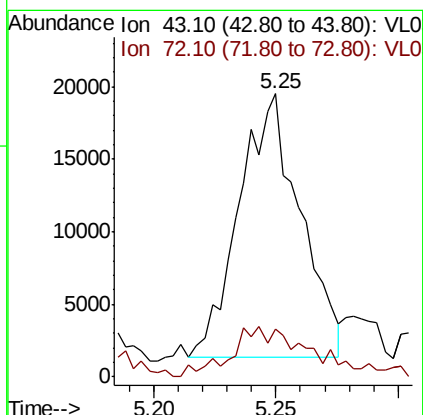
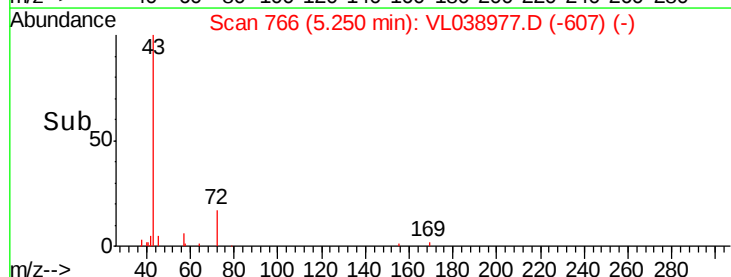
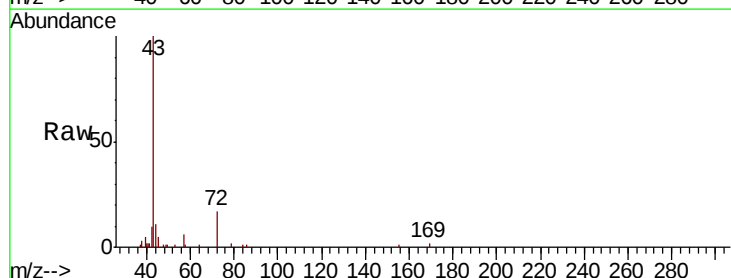
Manual Integrations
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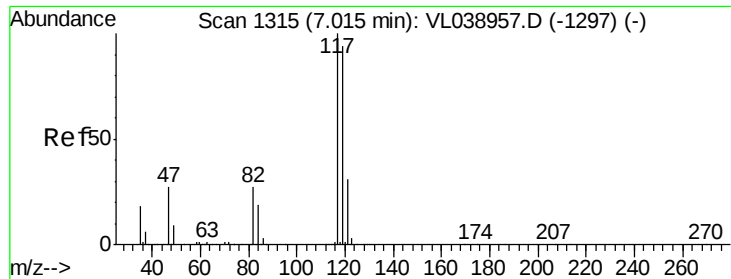
Reviewed By :Semsettin Yesilyurt 05/07/2022
 Supervised By :Mahesh Dadoda 05/09/2022



#34
 2-Butanone
 Concen: 0.201 ppbv
 RT: 5.25 min Scan# 766
 Delta R.T. 0.01 min
 Lab File: VL038977.D
 Acq: 5 May 2022 18:01

Tgt Ion: 43 Resp: 31587
 Ion Ratio Lower Upper
 43 100
 72 27.0 17.8 26.6#





#35

Carbon Tetrachloride

Concen: 0.053 ppbv m

RT: 7.02 Instrument:

Delta R.T. MSVOA_L

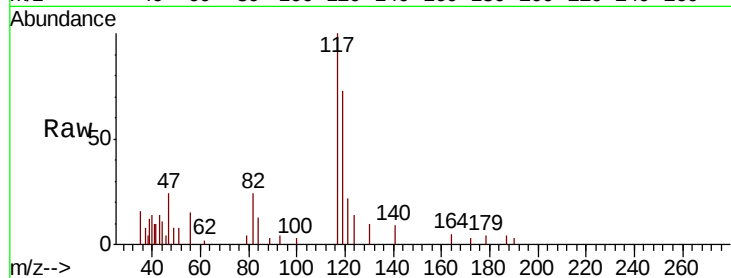
Lab File: ClientSampleId:

Acq: 5 May 2022 18:01

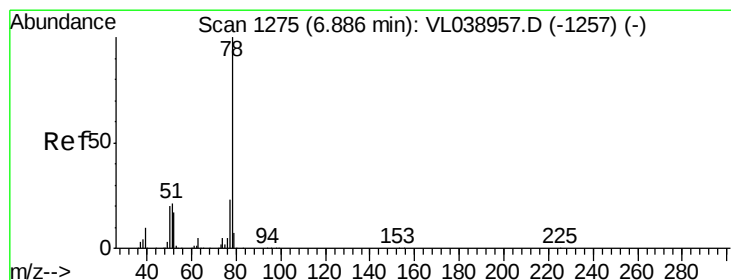
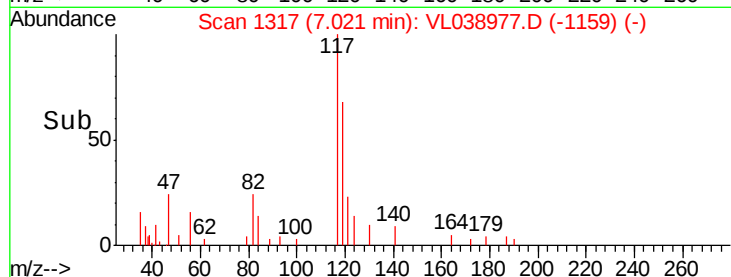
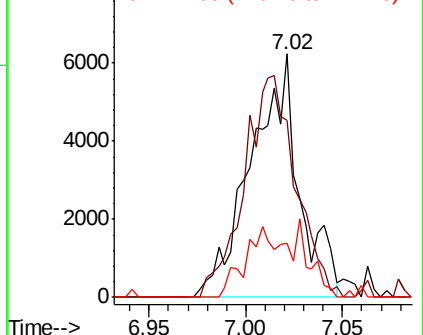
Tot Ion:1
Ion Rati
117 100
119 72.
121 22.

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Supervised By :Mahesh Dadoda 05/09/2022



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: 0.147 ppbv

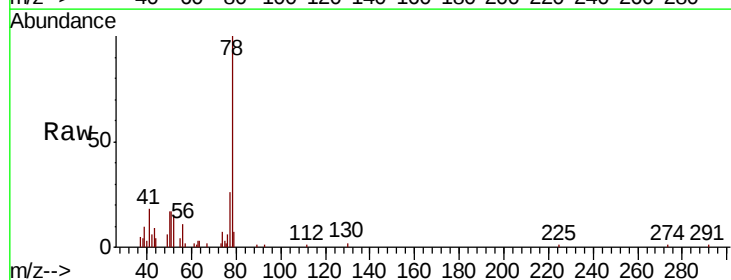
RT: 6.88 min Scan# 1274

Delta R.T. -0.00 min

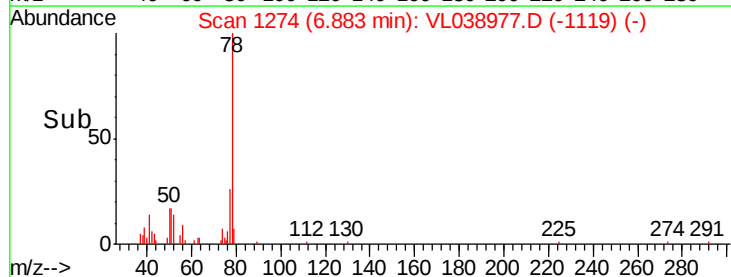
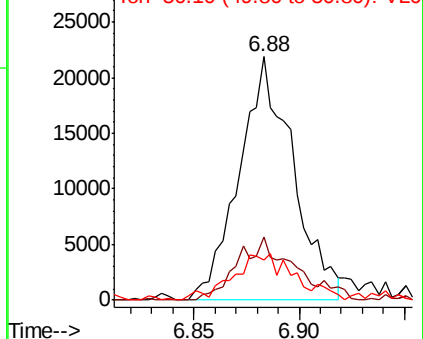
Lab File: VL038977.D

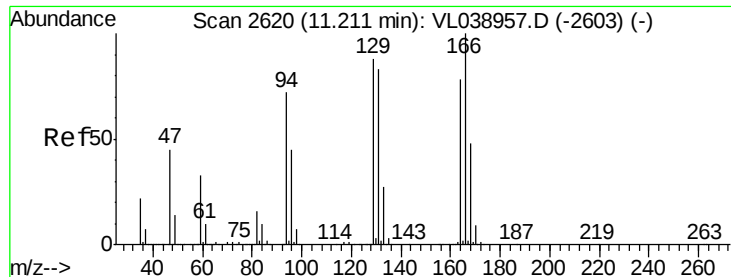
Acq: 5 May 2022 18:01

Tgt Ion: 78 Resp: 38764
Ion Ratio Lower Upper
78 100
77 25.8 18.6 28.0
50 14.7 15.6 23.4#



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





#52

Tetrachloroethene

Concen: 0.173 ppbv m

RT: 11.21

Delta R.T. MSVOA_L

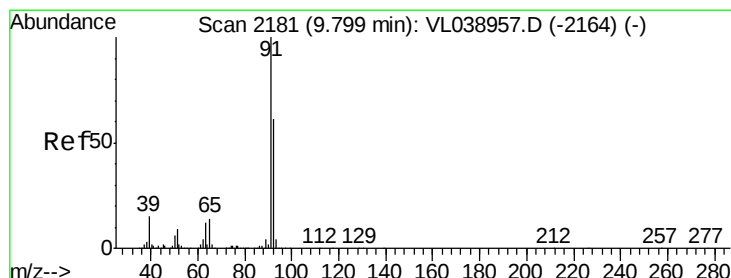
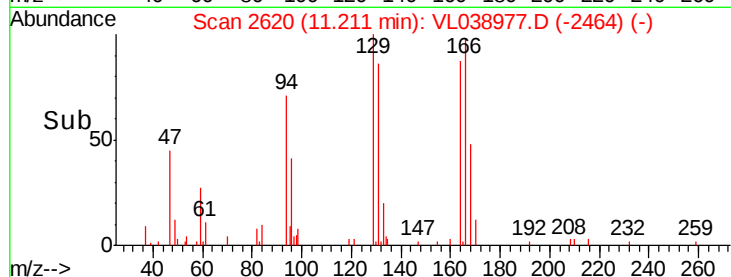
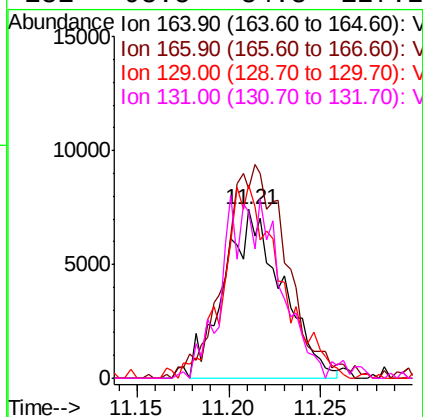
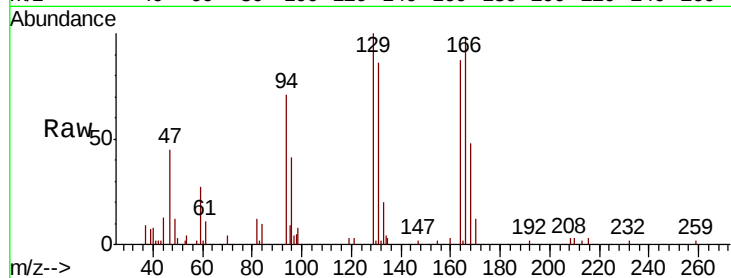
Lab File: ClientSampleId :

Acq: 5 May 2022 18:01

Tot Ion:1
Ion Rati
164 100
166 112.
129 114.
131 98.5 84.8 127.2

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Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#53

Toluene

Concen: 0.335 ppbv

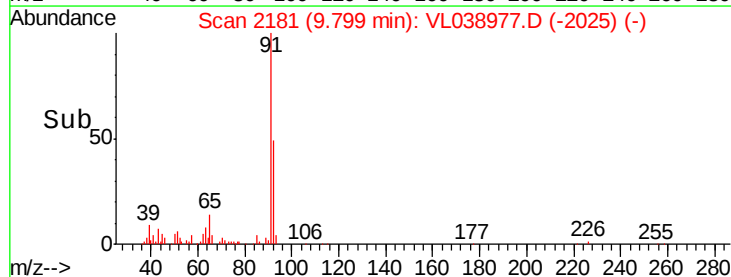
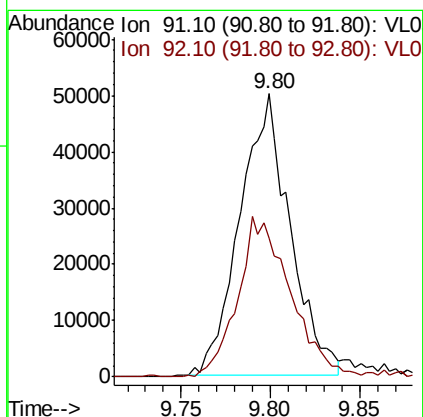
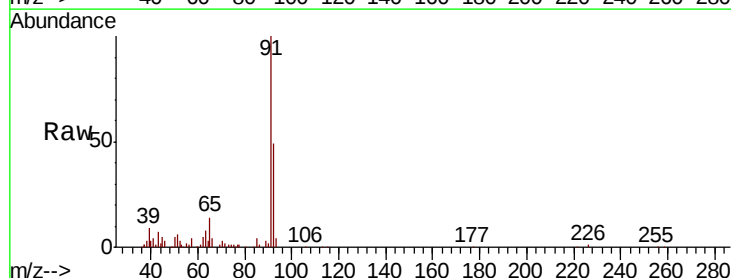
RT: 9.80 min Scan# 2181

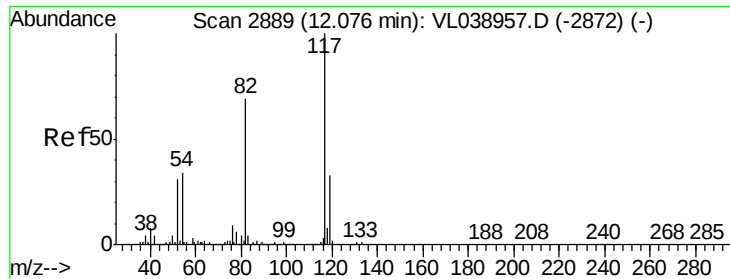
Delta R.T. 0.00 min

Lab File: VL038977.D

Acq: 5 May 2022 18:01

Tgt Ion: 91 Resp: 98851
Ion Ratio Lower Upper
91 100
92 59.4 48.2 72.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 5 May 2022 18:01

Tot Ion:1

Ion Rati

117 100

82 70.

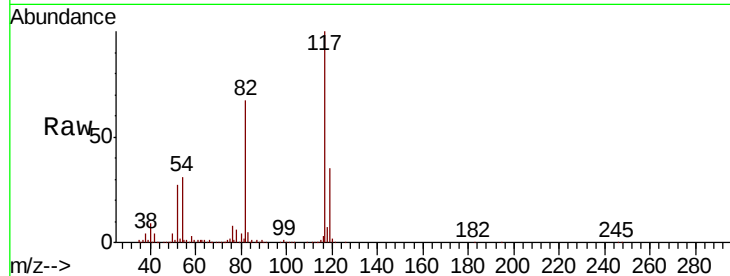
119 34.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/07/2022

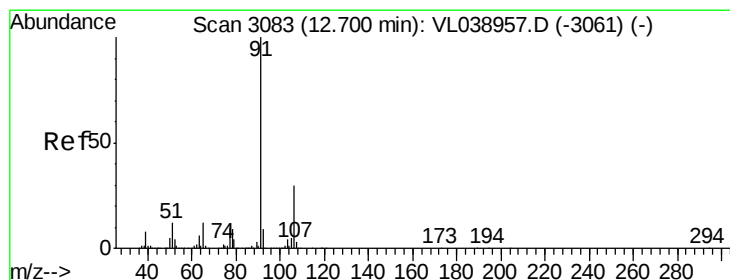
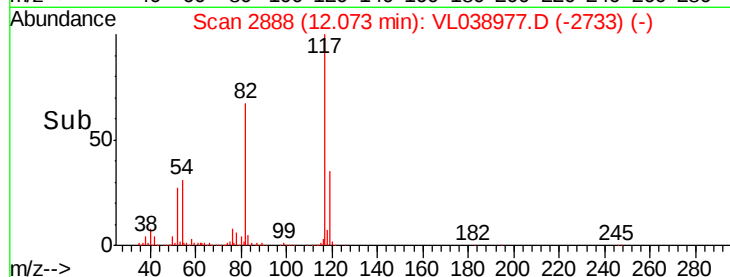
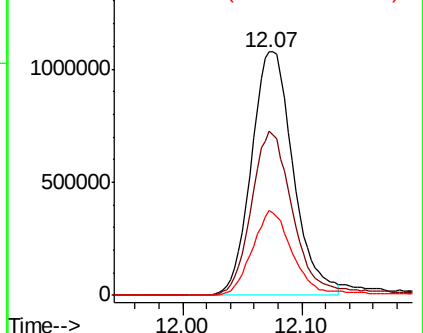
Supervised By :Mahesh Dadoda 05/09/2022



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



#58

Ethyl Benzene

Concen: 5.162 ppbv

RT: 12.70 min Scan# 3082

Delta R.T. -0.00 min

Lab File: VL038977.D

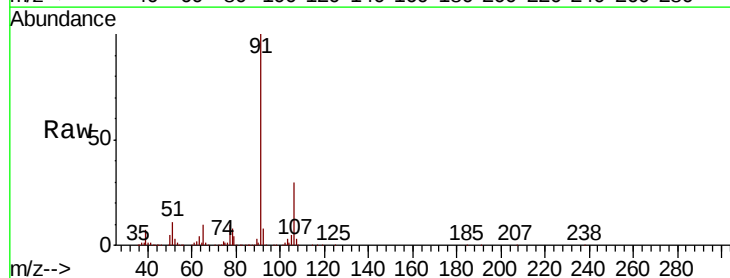
Acq: 5 May 2022 18:01

Tgt Ion: 91 Resp: 1947219

Ion Ratio Lower Upper

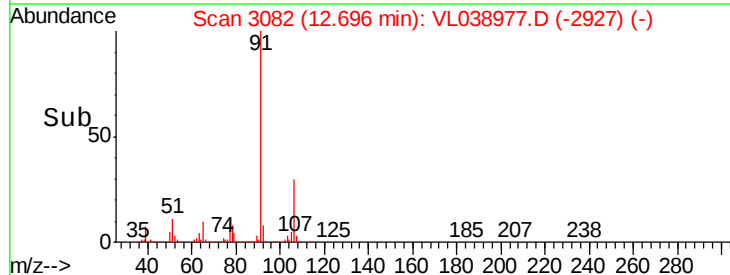
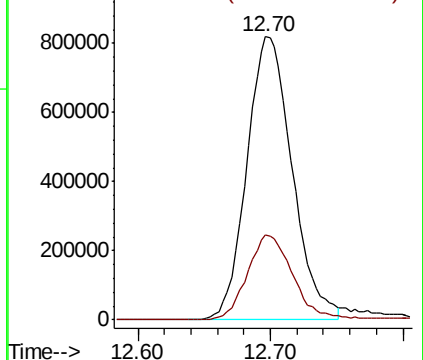
91 100

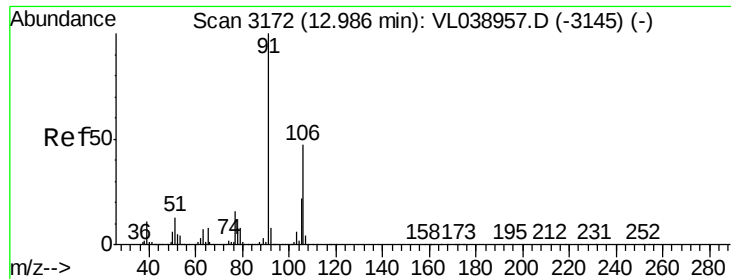
106 29.9 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



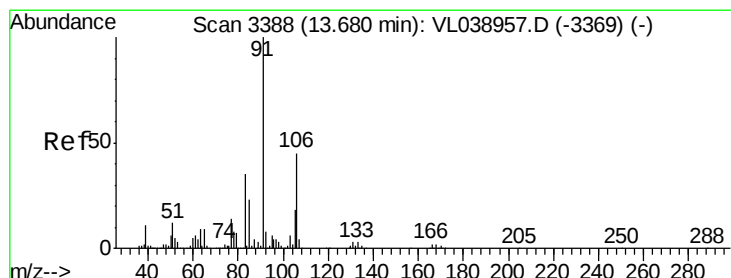
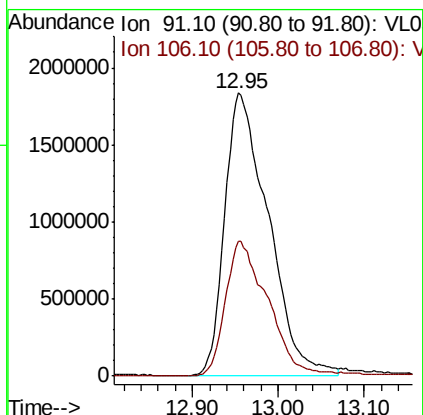
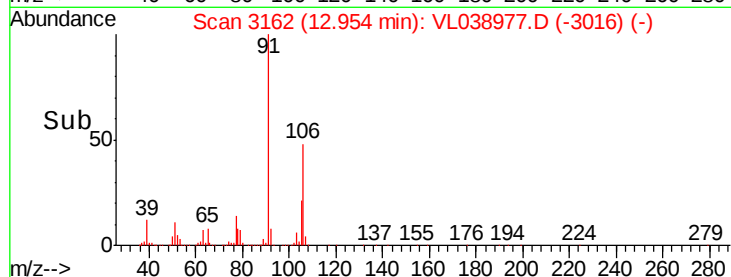
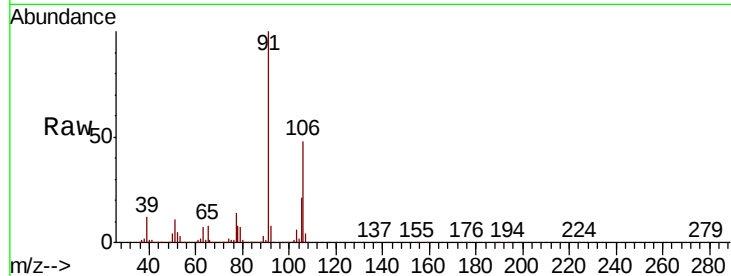


#59
m/p-Xylene
Concen: 19.949 ppbv
RT: 12.95
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 5 May 2022 18:01

Tot Ion:
Ion Ratio
91 100
106 48.

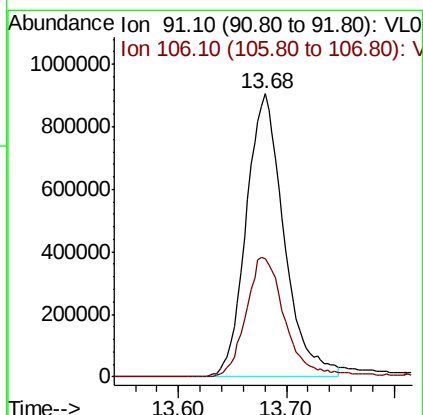
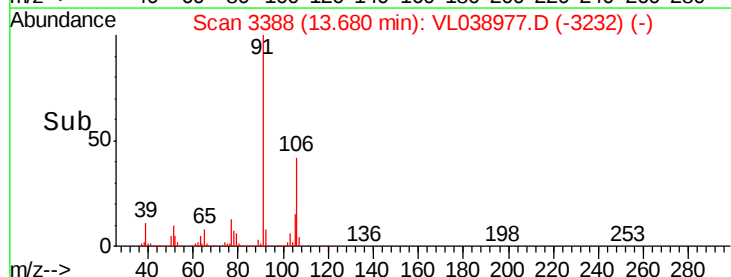
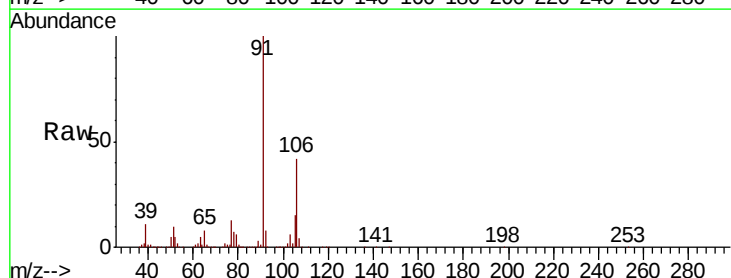
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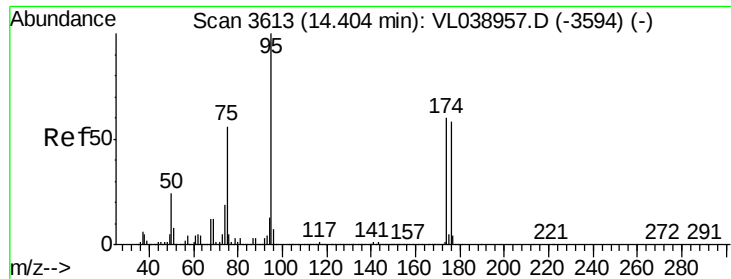
Reviewed By :Semsettin Yesilyurt 05/07/2022
Supervised By :Mahesh Dadoda 05/09/2022



#60
o-Xylene
Concen: 7.239 ppbv
RT: 13.68 min Scan# 3388
Delta R.T.: 0.00 min
Lab File: VL038977.D
Acq: 5 May 2022 18:01

Tgt Ion: 91 Resp: 2193885
Ion Ratio Lower Upper
91 100
106 45.1 22.2 66.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.717 ppbv
 RT: 14.40
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 5 May 2022 18:01

Tot Ion:
 Ion Rati
 95 100
 174 67.
 175 4.

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2022
 Supervised By :Mahesh Dadoda 05/09/2022

