

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL039007.D
 Acq On : 10 May 2022 4:20
 Operator : SY/AP
 Sample : N2696-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV4

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2022
 Supervised By :Mahesh Dadoda 05/11/2022

Quant Time: May 11 11:23:55 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1062398	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2983085	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	2524247	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1742125	8.71	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	87.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	34134	0.205	ppbv	98
4) Chloromethane	3.13	50	105221	1.594	ppbv	95
9) Propene	3.00	41	3641218	63.248	ppbv	94
11) Trichlorofluoromethane	3.94	101	24869m	0.174	ppbv	
13) Ethanol	3.59	45	184986	45.404	ppbv	86
15) Acetone	3.83	43	1905932	19.018	ppbv	94
17) tert-Butyl alcohol	4.28	59	191992	2.493	ppbv	100
19) Isopropyl Alcohol	3.95	45	69998m	1.469	ppbv	
20) Methylene Chloride	4.33	84	58606	1.552	ppbv #	89
26) Hexane	5.67	57	35468m	0.333	ppbv	
27) Carbon Disulfide	4.53	76	221212	2.185	ppbv	99
30) Cyclohexane	7.11	84	41268	0.462	ppbv	89
32) 1,1,1-Trichloroethane	6.49	97	54579	0.317	ppbv	97
34) 2-Butanone	5.23	43	115021	0.756	ppbv #	89
36) Benzene	6.86	78	33553m	0.131	ppbv	
41) Tetrahydrofuran	6.04	42	52322m	0.512	ppbv	
52) Tetrachloroethene	11.19	164	12426m	0.136	ppbv	

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

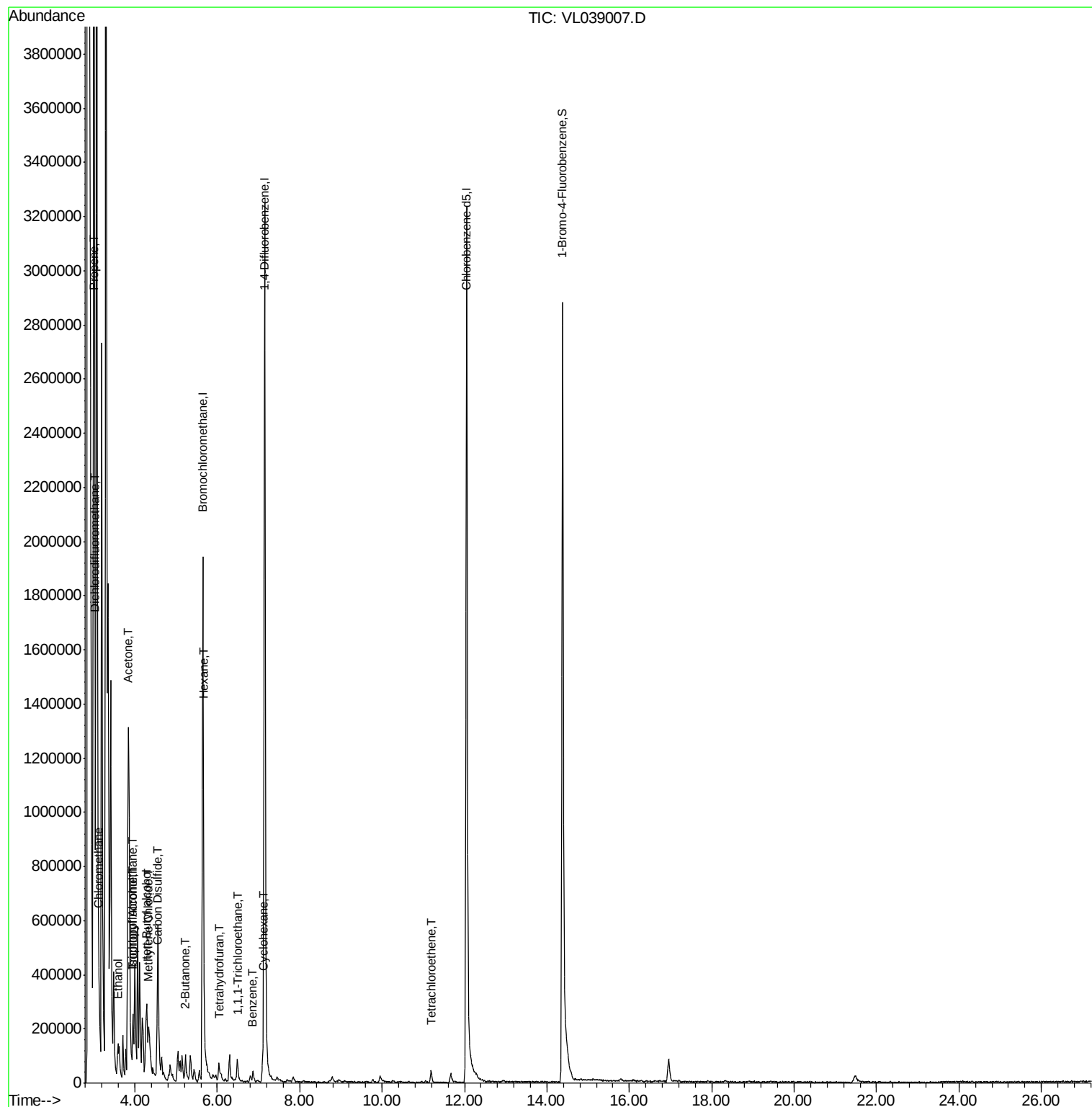
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050922\
Data File : VL039007.D
Acq On : 10 May 2022 4:20
Operator : SY/AP
Sample : N2696-04
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

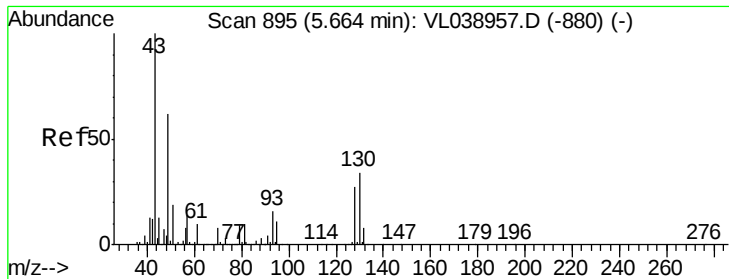
Instrument :
MSVOA_L
ClientSampleId :
SV4

Quant Time: May 11 11:23:55 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050522
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Manual Integrations
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Supervised By :Mahesh Dadoda 05/11/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: SV4

Acq: 10 May 2022 4:20

Tot Ion:

Ion Ratio

49 100

128 51.

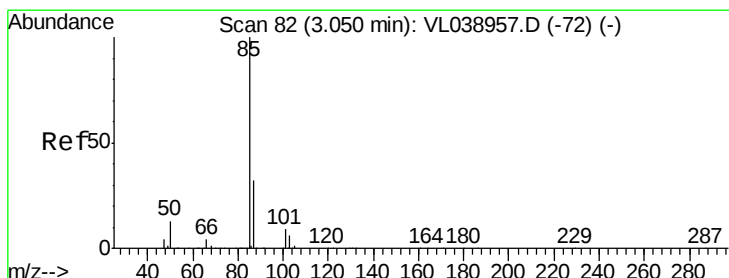
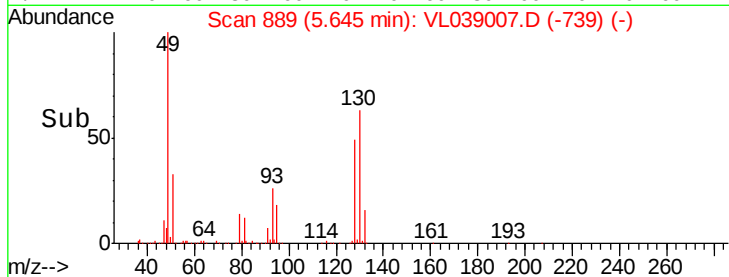
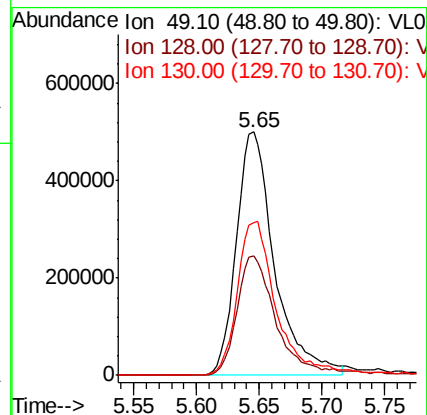
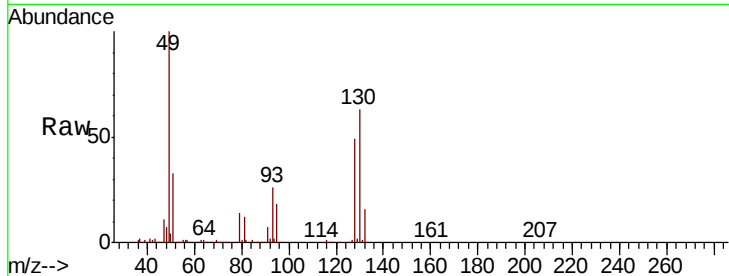
130 66.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/10/2022

Supervised By :Mahesh Dadoda 05/11/2022



#2

Dichlorodifluoromethane

Concen: 0.205 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL039007.D

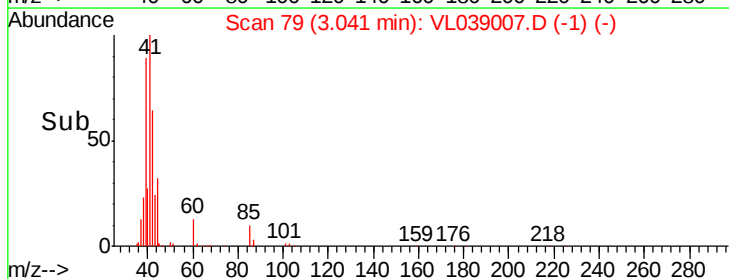
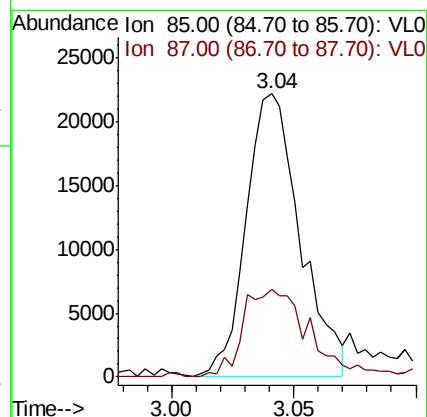
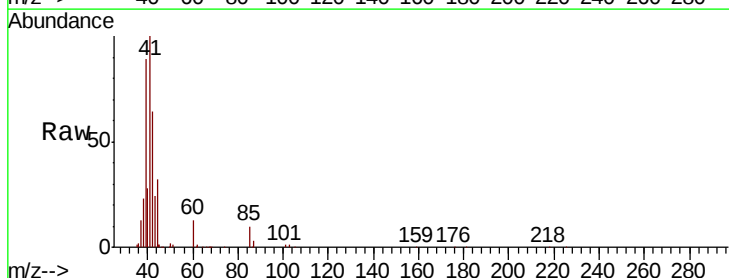
Acq: 10 May 2022 4:20

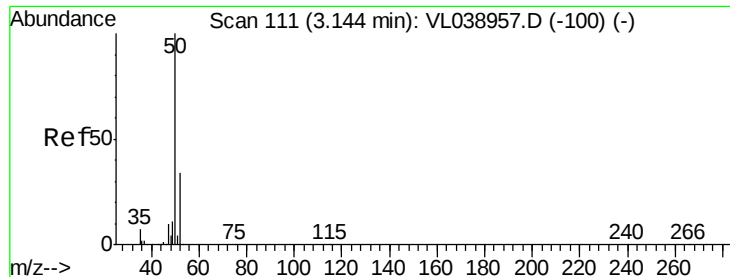
Tgt Ion: 85 Resp: 34134

Ion Ratio Lower Upper

85 100

87 30.9 25.7 38.5





#4

Chloromethane

Concen: 1.594 ppbv

RT: 3.13

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 4:20

Tot Ion:

Ion Ratio

50 100

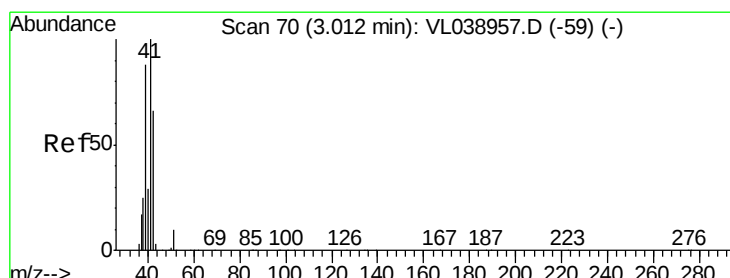
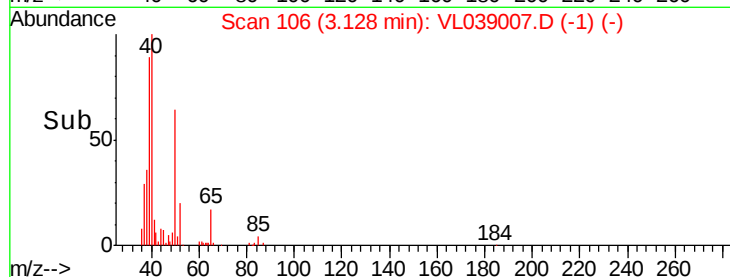
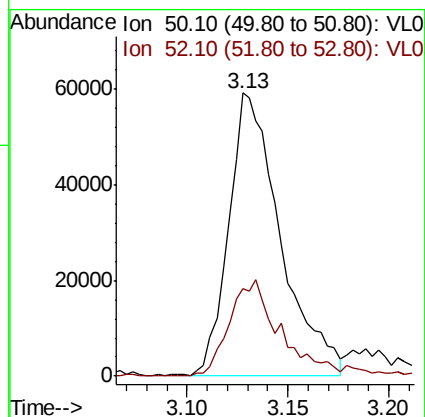
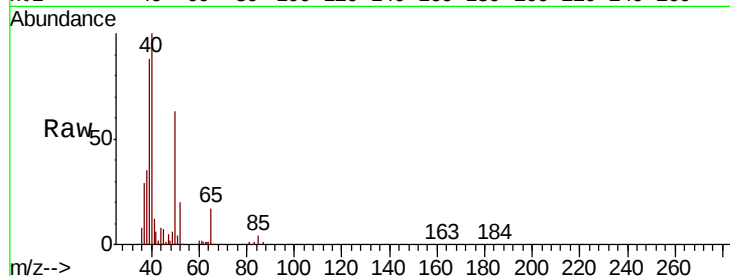
52 31.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/10/2022

Supervised By :Mahesh Dadoda 05/11/2022



#9

Propene

Concen: 63.248 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL039007.D

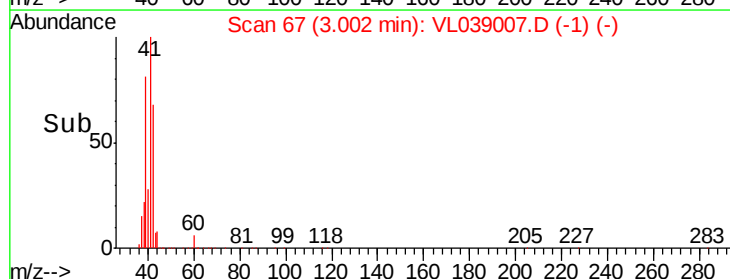
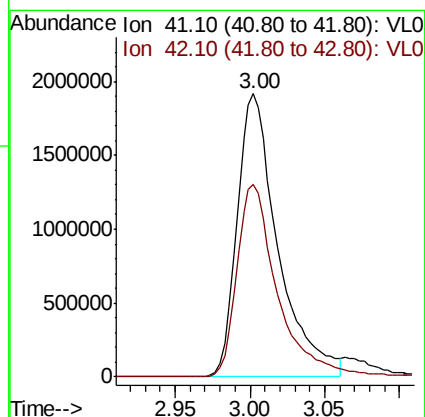
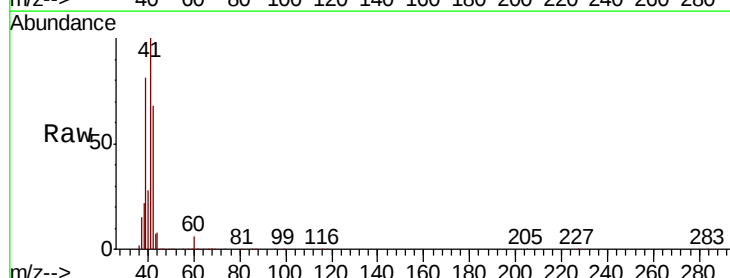
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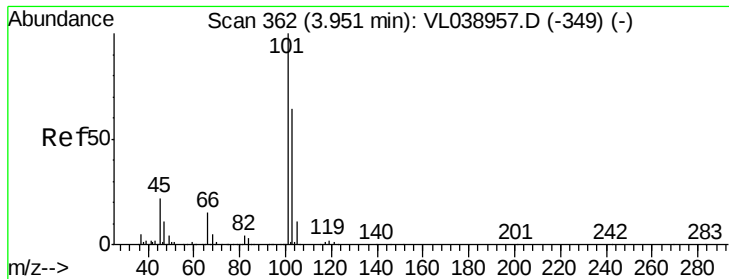
Tgt Ion: 41 Resp: 3641218

Ion Ratio Lower Upper

41 100

42 68.0 58.3 87.5



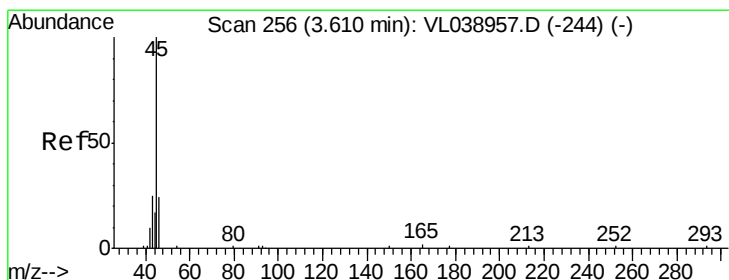
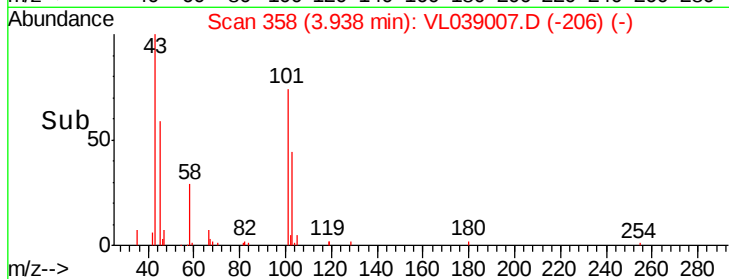
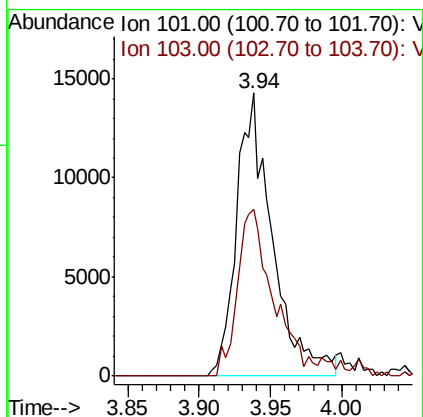
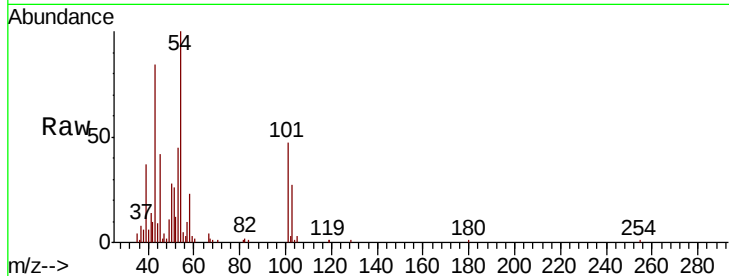


#11
 Trichlorofluoromethane
 Concen: 0.174 ppbv m
 RT: 3.94
 Instrument: MSVOA_L
 Delta R.T.
 Lab File: ClientSampleId :
 SV4
 Acq: 10 May 2022 4:20

Tot Ion:1
 Ion Rati
 101 100
 103 58.

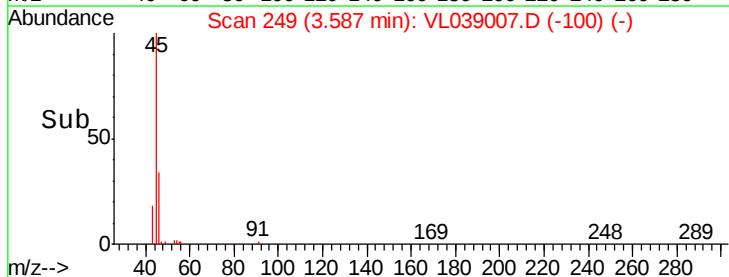
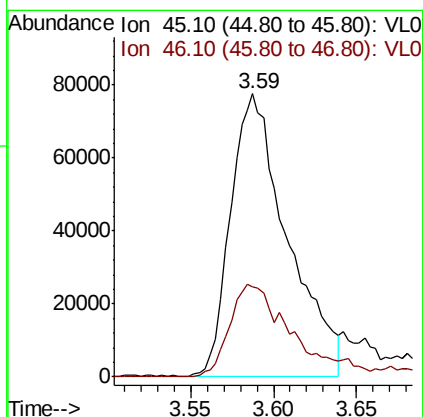
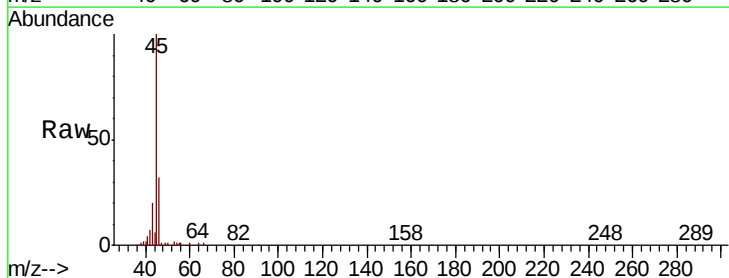
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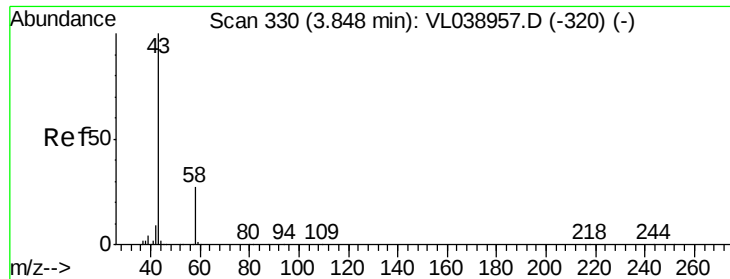
Reviewed By :Semsettin Yesilyurt 05/10/2022
 Supervised By :Mahesh Dadoda 05/11/2022



#13
 Ethanol
 Concen: 45.404 ppbv
 RT: 3.59 min Scan# 249
 Delta R.T. -0.02 min
 Lab File: VL039007.D
 Acq: 10 May 2022 4:20

Tgt Ion: 45 Resp: 184986
 Ion Ratio Lower Upper
 45 100
 46 35.7 18.0 72.2





#15

Acetone

Concen: 19.018 ppbv

RT: 3.83

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 4:20

Tot Ion:

Ion Ratio

43 100

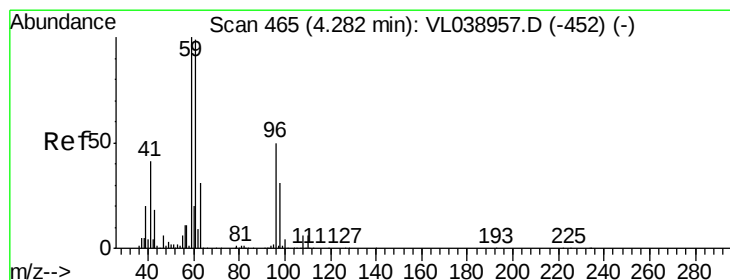
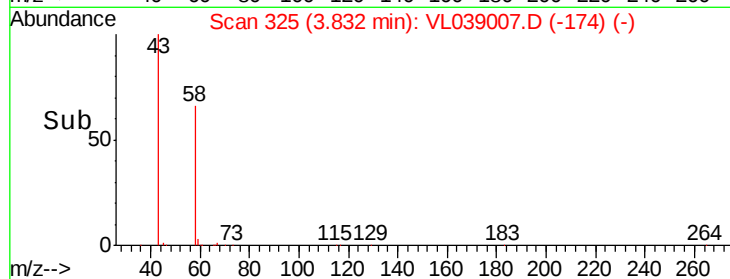
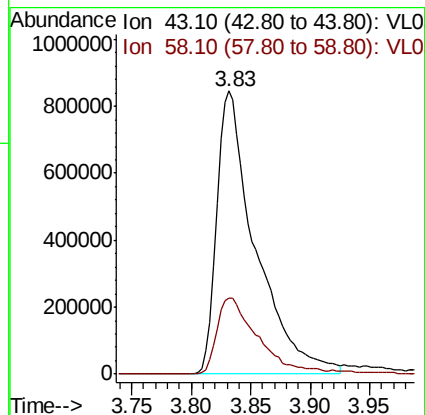
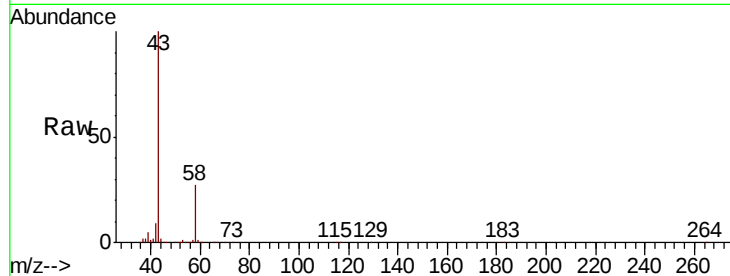
58 29.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/10/2022

Supervised By :Mahesh Dadoda 05/11/2022



#17

tert-Butyl alcohol

Concen: 2.493 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.00 min

Lab File: VL039007.D

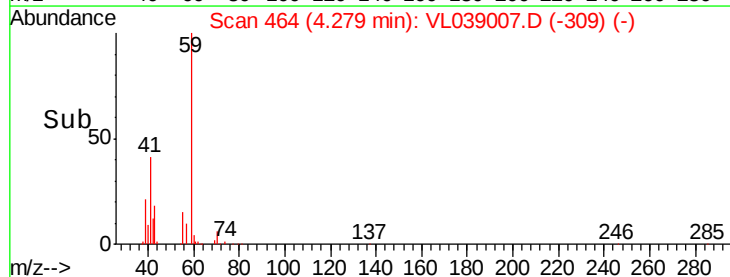
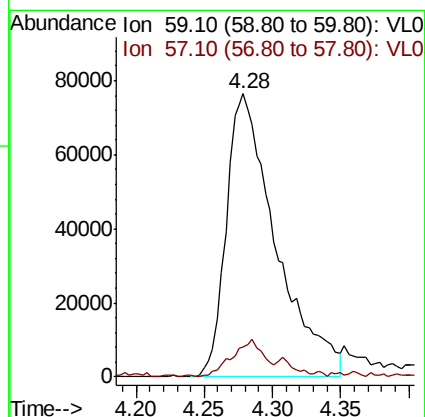
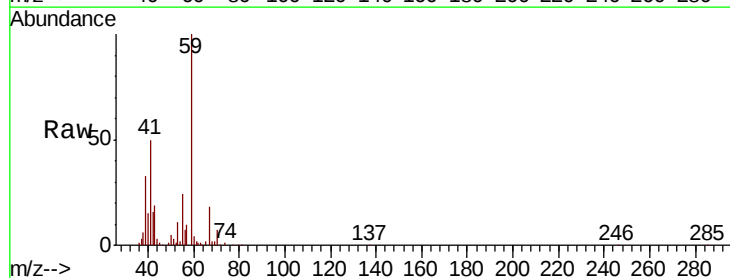
Acq: 10 May 2022 4:20

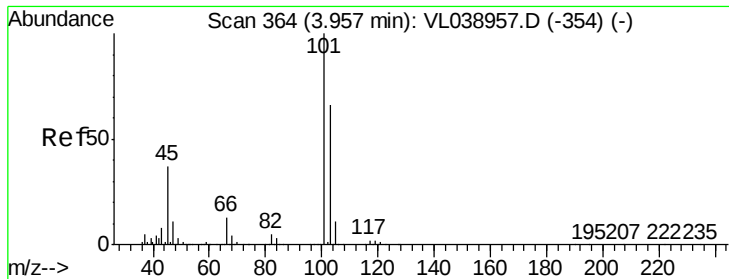
Tgt Ion: 59 Resp: 191992

Ion Ratio Lower Upper

59 100

57 11.6 9.2 13.8





#19

Isopropyl Alcohol

Concen: 1.469 ppbv m

RT: 3.95 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 4:20

Tot Ion:

Ion Ratio

45 100

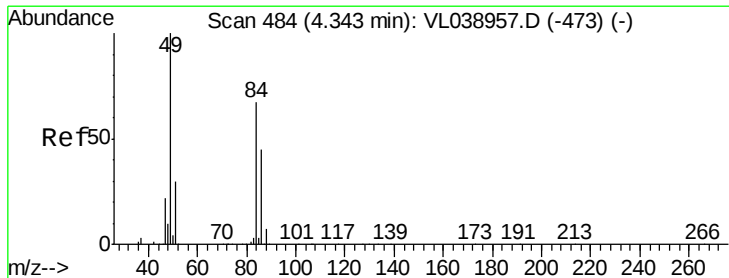
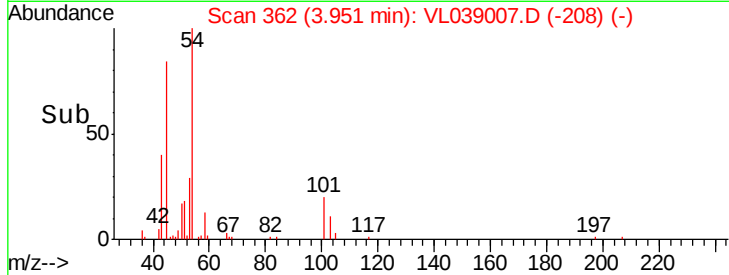
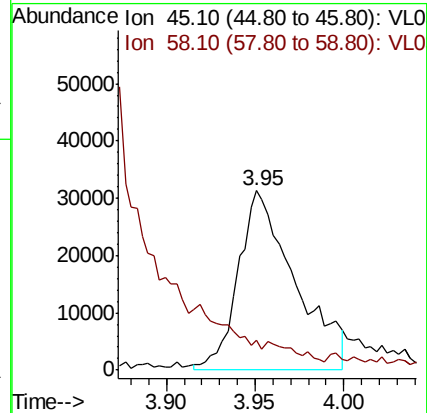
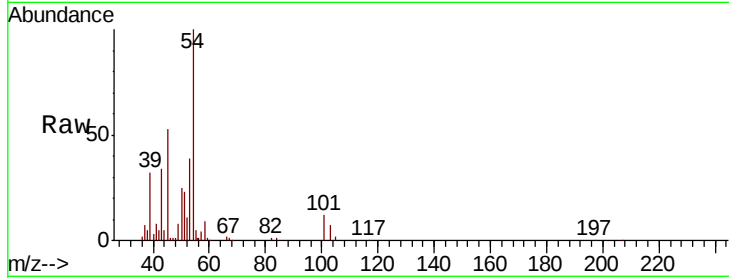
58 0.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2022

Supervised By :Mahesh Dadoda 05/11/2022



#20

Methylene Chloride

Concen: 1.552 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL039007.D

Acq: 10 May 2022 4:20

Tgt Ion: 84 Resp: 58606

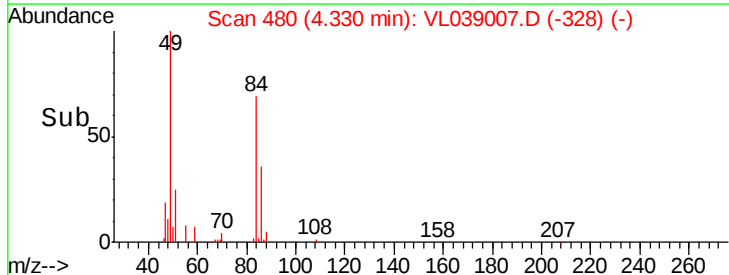
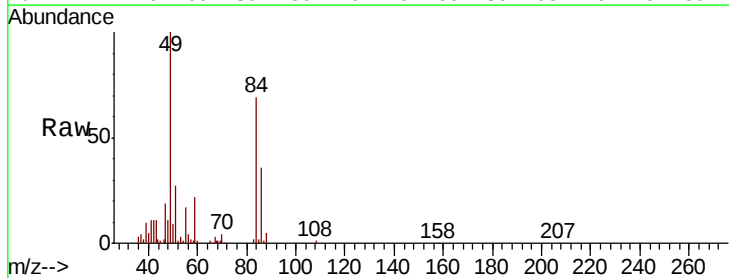
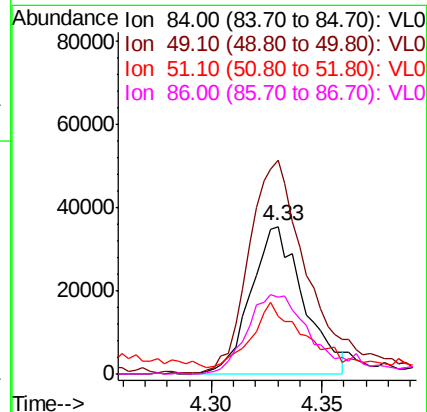
Ion Ratio Lower Upper

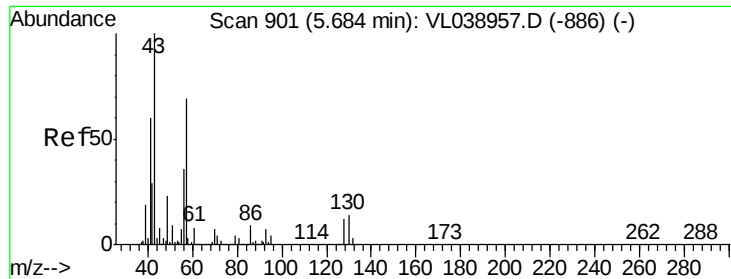
84 100

49 144.0 119.9 179.9

51 30.7 35.7 53.5#

86 52.1 53.8 80.6#



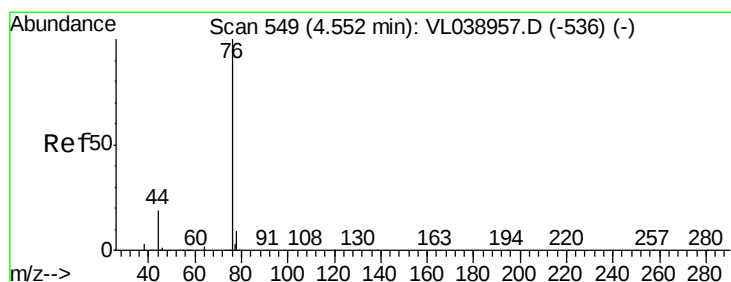
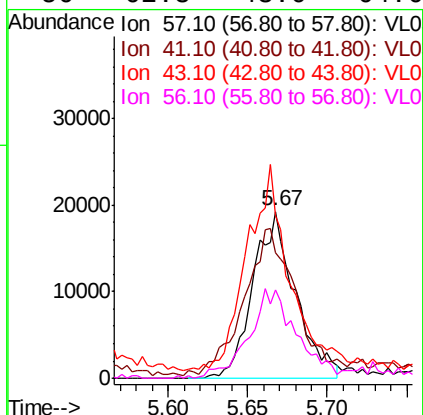
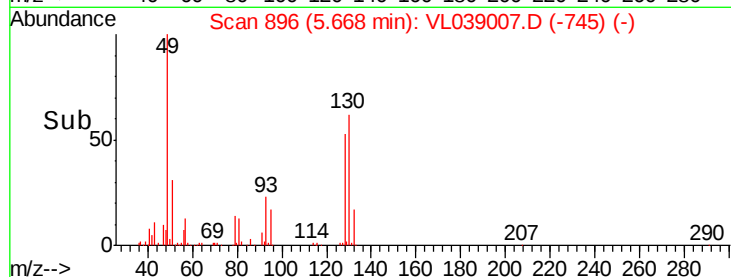
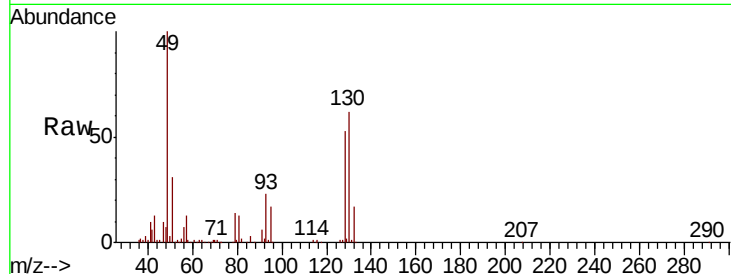


#26
Hexane
Concen: 0.333 ppbv m
RT: 5.67
Instrument : MSVOA_L
Delta R.T. :
Lab File: ClientSampleId :
SV4
Acq: 10 May 2022 4:20

Tot Ion:
Ion Ratio
57 100
41 119.
43 129.
56 62.8 43.0 64.6

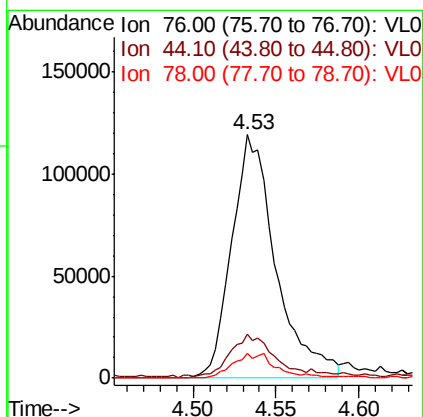
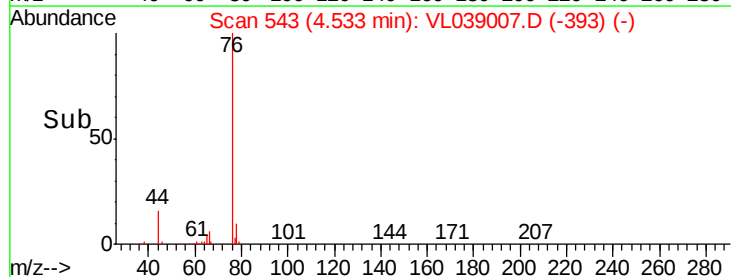
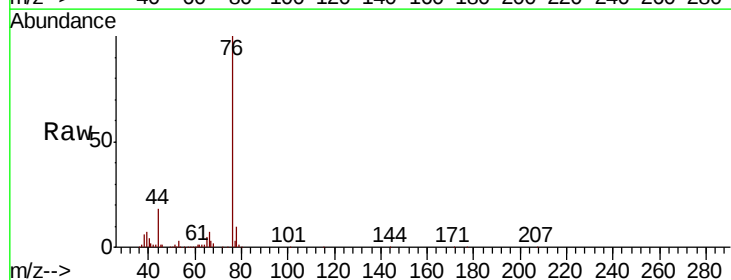
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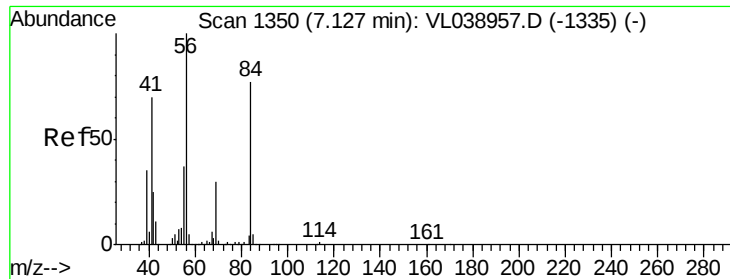
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#27
Carbon Disulfide
Concen: 2.185 ppbv
RT: 4.53 min Scan# 543
Delta R.T. -0.02 min
Lab File: VL039007.D
Acq: 10 May 2022 4:20

Tgt Ion: 76 Resp: 221212
Ion Ratio Lower Upper
76 100
44 19.4 15.3 22.9
78 10.8 8.2 12.2



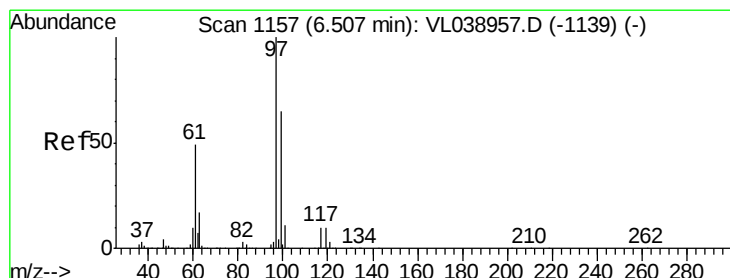
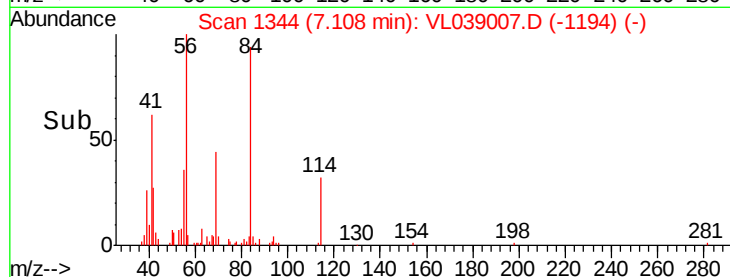
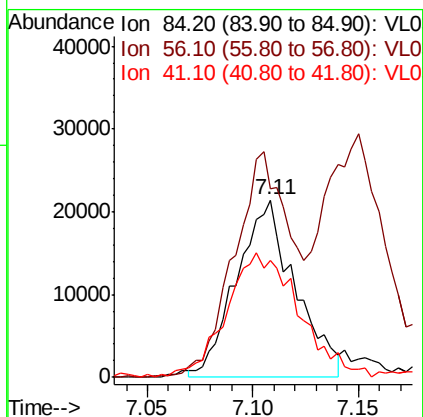
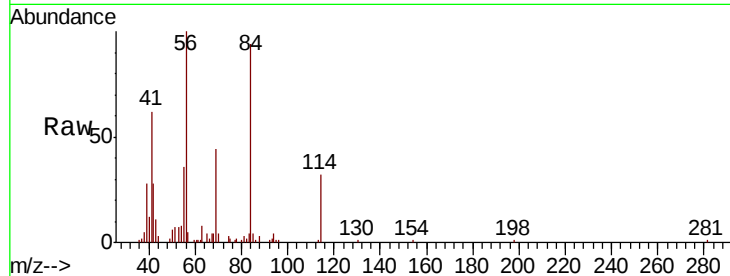


#30
Cvclohexane
Concen: 0.462 ppbv
RT: 7.11
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV4
Acq: 10 May 2022 4:20

Tot Ion:
Ion Ratio
84 100
56 123.
41 88.

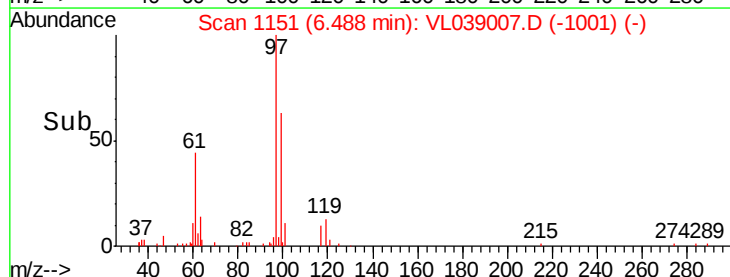
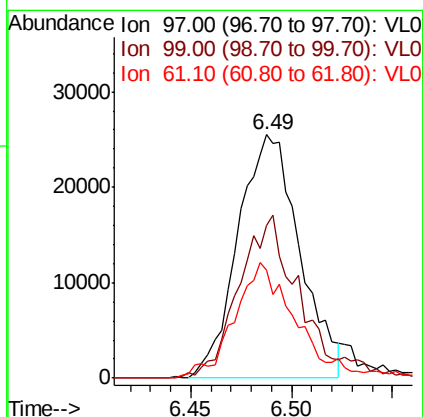
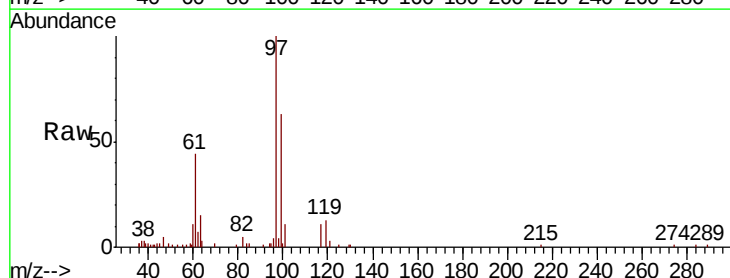
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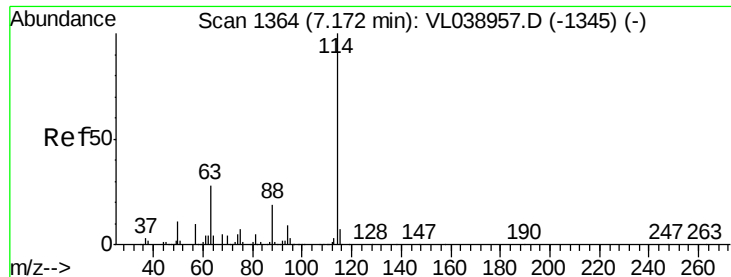
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#32
1,1,1-Trichloroethane
Concen: 0.317 ppbv
RT: 6.49 min Scan# 1151
Delta R.T. -0.02 min
Lab File: VL039007.D
Acq: 10 May 2022 4:20

Tgt Ion: 97 Resp: 54579
Ion Ratio Lower Upper
97 100
99 66.7 51.9 77.9
61 47.8 40.9 61.3



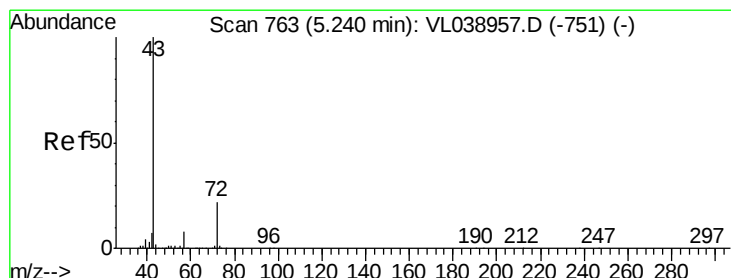
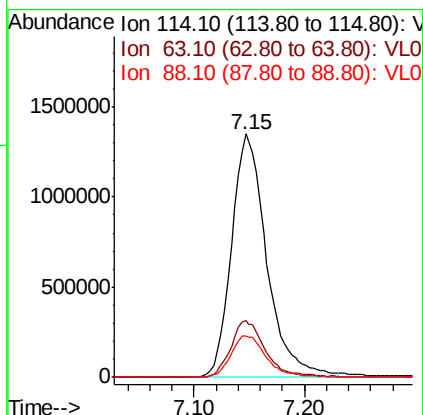
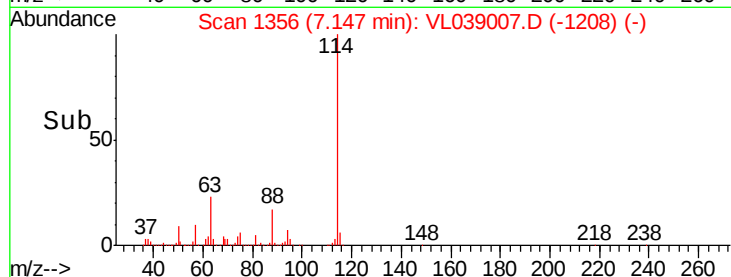
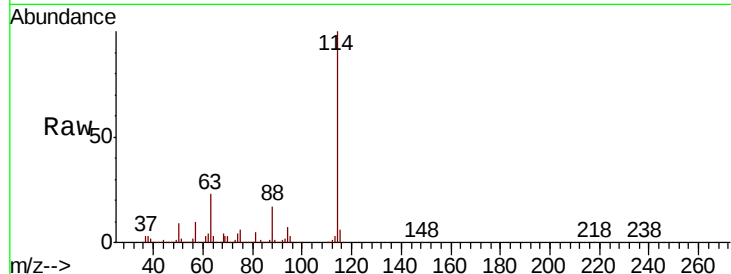


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 May 2022 4:20

Tot Ion: 1
 Ion Ratio
 114 100
 63 23.
 88 17.

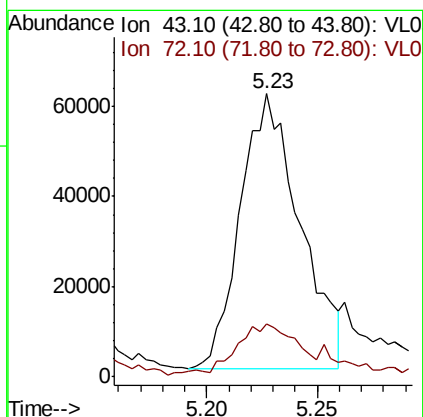
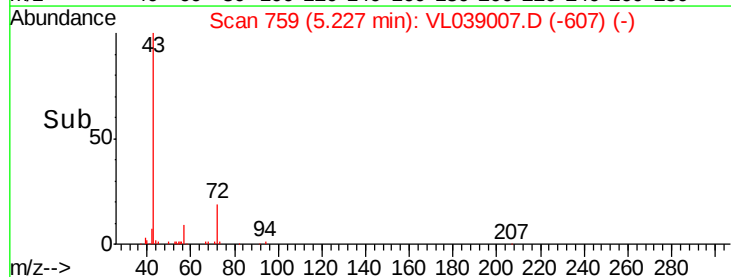
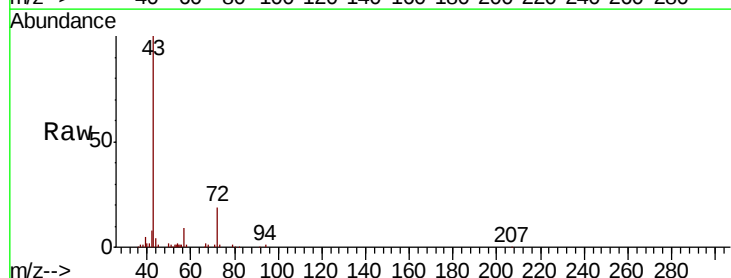
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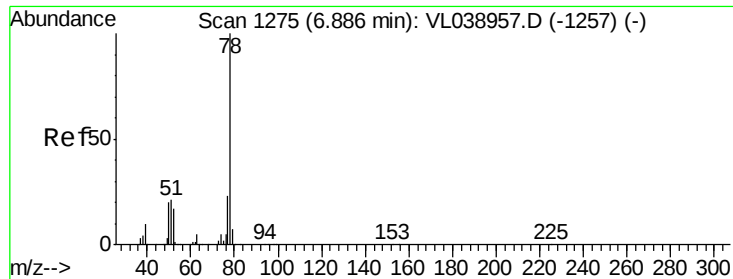
Reviewed By : Semsettin Yesilyurt 05/10/2022
 Supervised By : Mahesh Dadoda 05/11/2022



#34
 2-Butanone
 Concen: 0.756 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T.: -0.01 min
 Lab File: VL039007.D
 Acq: 10 May 2022 4:20

Tgt Ion: 43 Resp: 115021
 Ion Ratio Lower Upper
 43 100
 72 27.6 17.8 26.6#



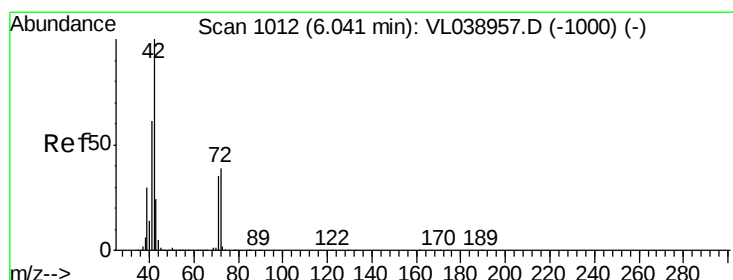
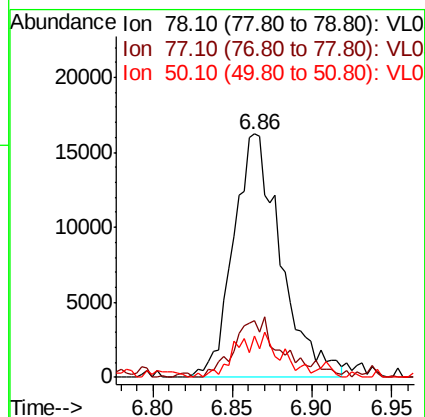
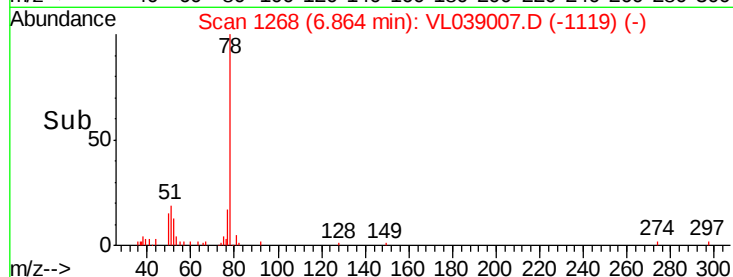
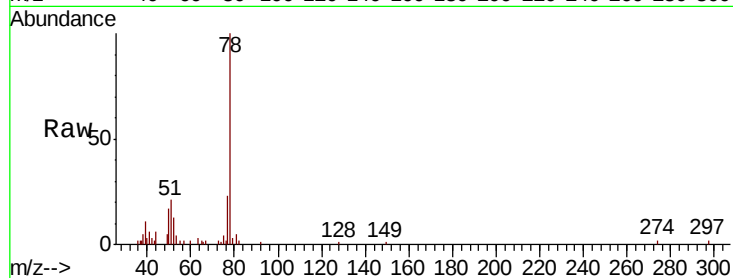


#36
Benzene
Concen: 0.131 ppbv m
RT: 6.86
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
SV4
Acq: 10 May 2022 4:20

Tot Ion:
Ion Ratio
78 100
77 23.
50 16.

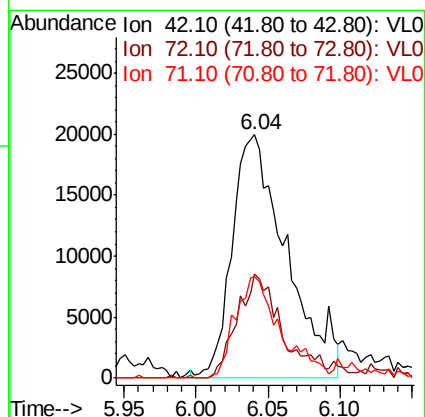
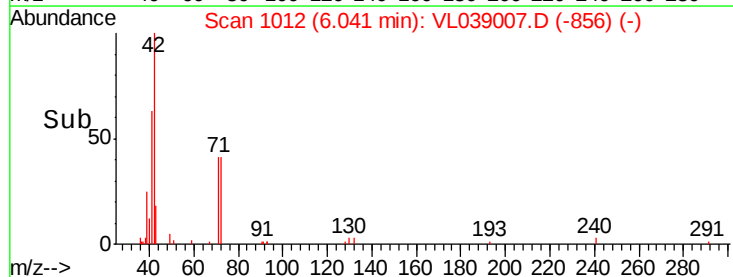
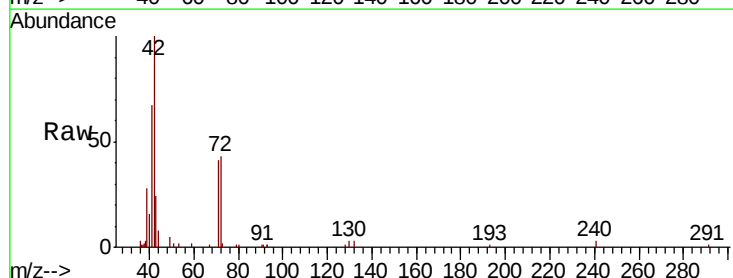
Manual Integrations
APPROVED

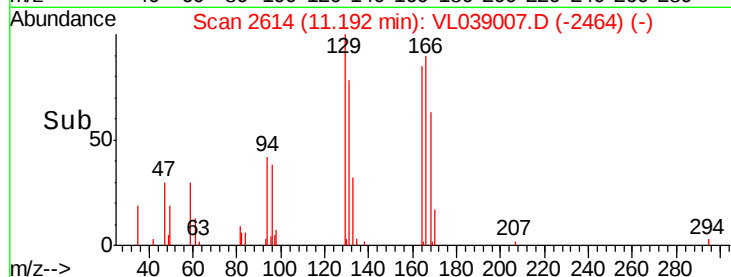
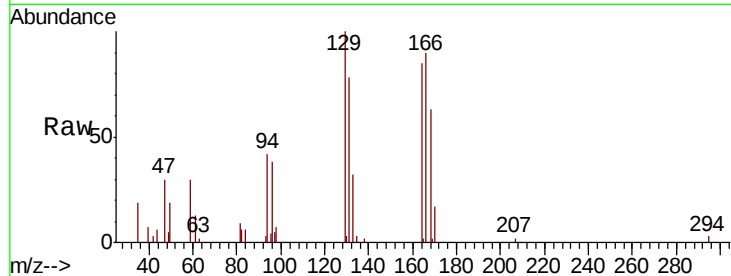
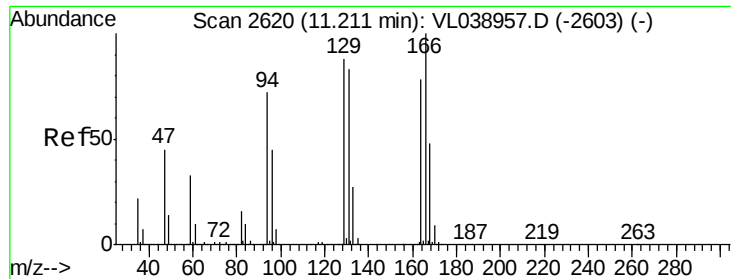
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#41
Tetrahydrofuran
Concen: 0.512 ppbv m
RT: 6.04 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VL039007.D
Acq: 10 May 2022 4:20

Tgt Ion: 42 Resp: 52322
Ion Ratio Lower Upper
42 100
72 38.8 31.8 47.6
71 34.5 30.6 45.8





#52

Tetrachloroethene

Concen: 0.136 ppbv m

RT: 11.19

Delta R.T. MSVOA_L

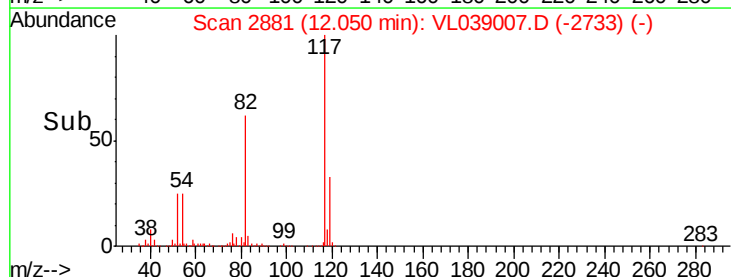
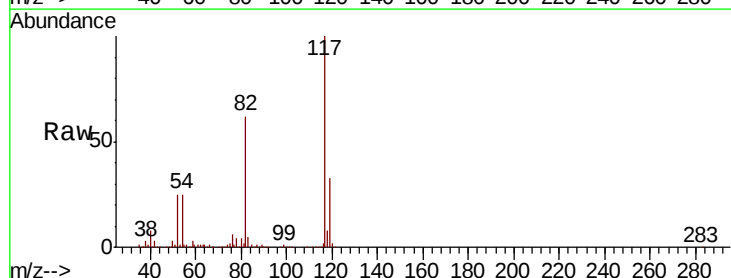
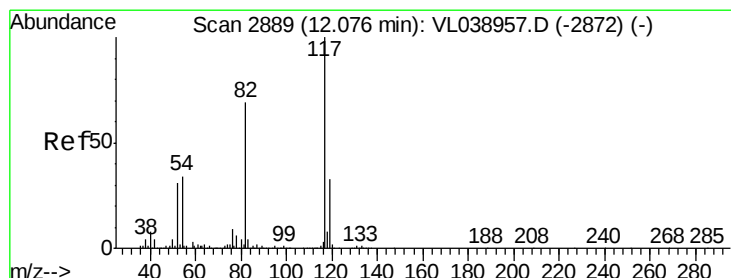
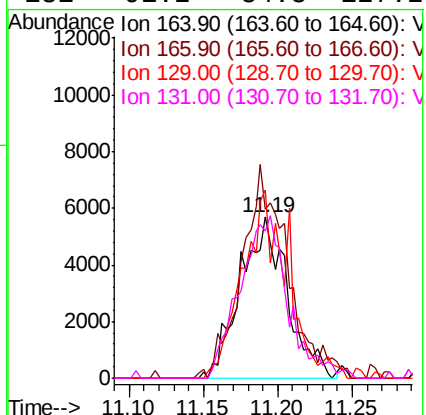
Lab File: ClientSampleId :

Acq: 10 May 2022 4:20

Tot Ion:1
Ion Rati
164 100
166 104.
129 117.
131 91.2 84.8 127.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

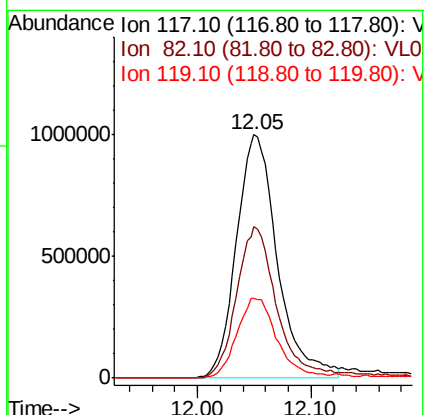
RT: 12.05 min Scan# 2881

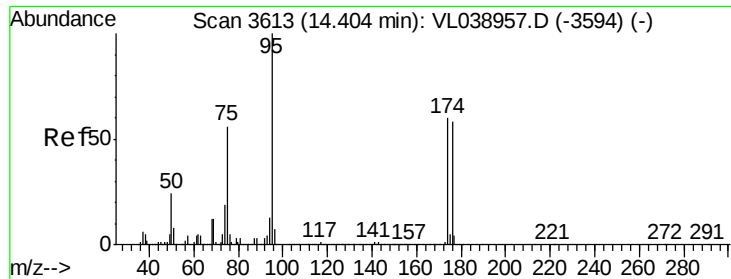
Delta R.T. -0.03 min

Lab File: VL039007.D

Acq: 10 May 2022 4:20

Tgt Ion:117 Resp: 2524247
Ion Ratio Lower Upper
117 100
82 64.4 57.0 85.6
119 34.3 27.2 40.8





#68

1-Bromo-4-Fluorobenzene

Concen: 8.715 ppbv

RT: 14.38

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 4:20

Tot Ion:

Ion Ratio

95 100

174 71.

175 5.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2022

Supervised By :Mahesh Dadoda 05/11/2022

