

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050922\
 Data File : VL039002.D
 Acq On : 10 May 2022 1:01
 Operator : SY/AP
 Sample : N2696-01 5X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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

Quant Time: May 10 07:54:08 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522A
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1043811	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	3149368	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	1501358	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3568224m	30.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	300.10%#

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.13	50	7384m	0.114	ppbv	
9) Propene	3.00	41	757078	13.385	ppbv	90
10) Heptane	8.12	43	18829995	135.693	ppbv	87
13) Ethanol	3.59	45	49675m	12.410	ppbv	
15) Acetone	3.84	43	233554	2.372	ppbv #	71
17) tert-Butyl alcohol	4.28	59	105075m	1.388	ppbv	
19) Isopropyl Alcohol	3.96	45	38556m	0.824	ppbv	
20) Methylene Chloride	4.33	84	60047	1.618	ppbv #	95
26) Hexane	5.67	57	2204522	21.053	ppbv #	36
27) Carbon Disulfide	4.53	76	38503m	0.387	ppbv	
30) Cyclohexane	7.11	84	337633	3.851	ppbv #	77
32) 1,1,1-Trichloroethane	6.48	97	47016	0.278	ppbv	98
34) 2-Butanone	5.23	43	140567m	0.875	ppbv	
36) Benzene	6.86	78	145302	0.539	ppbv #	89
41) Tetrahydrofuran	6.05	42	70351m	0.651	ppbv	
52) Tetrachloroethene	11.21	164	174600	1.813	ppbv	86
53) Toluene	9.78	91	722139	2.391	ppbv	98
58) Ethyl Benzene	12.72	91	458672	2.123	ppbv #	78
59) m/p-Xylene	12.97	91	1585931	8.598	ppbv	99
60) o-Xylene	13.71	91	846198	4.874	ppbv	98
62) Isopropylbenzene	14.67	105	99719m	0.393	ppbv	
67) sec-Butylbenzene	17.30	105	145269	0.457	ppbv	100
73) 1,3,5-Trimethylbenzene	16.02	105	132249m	0.743	ppbv	
74) 1,2,4-Trimethylbenzene	16.77	105	185805m	0.953	ppbv	

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

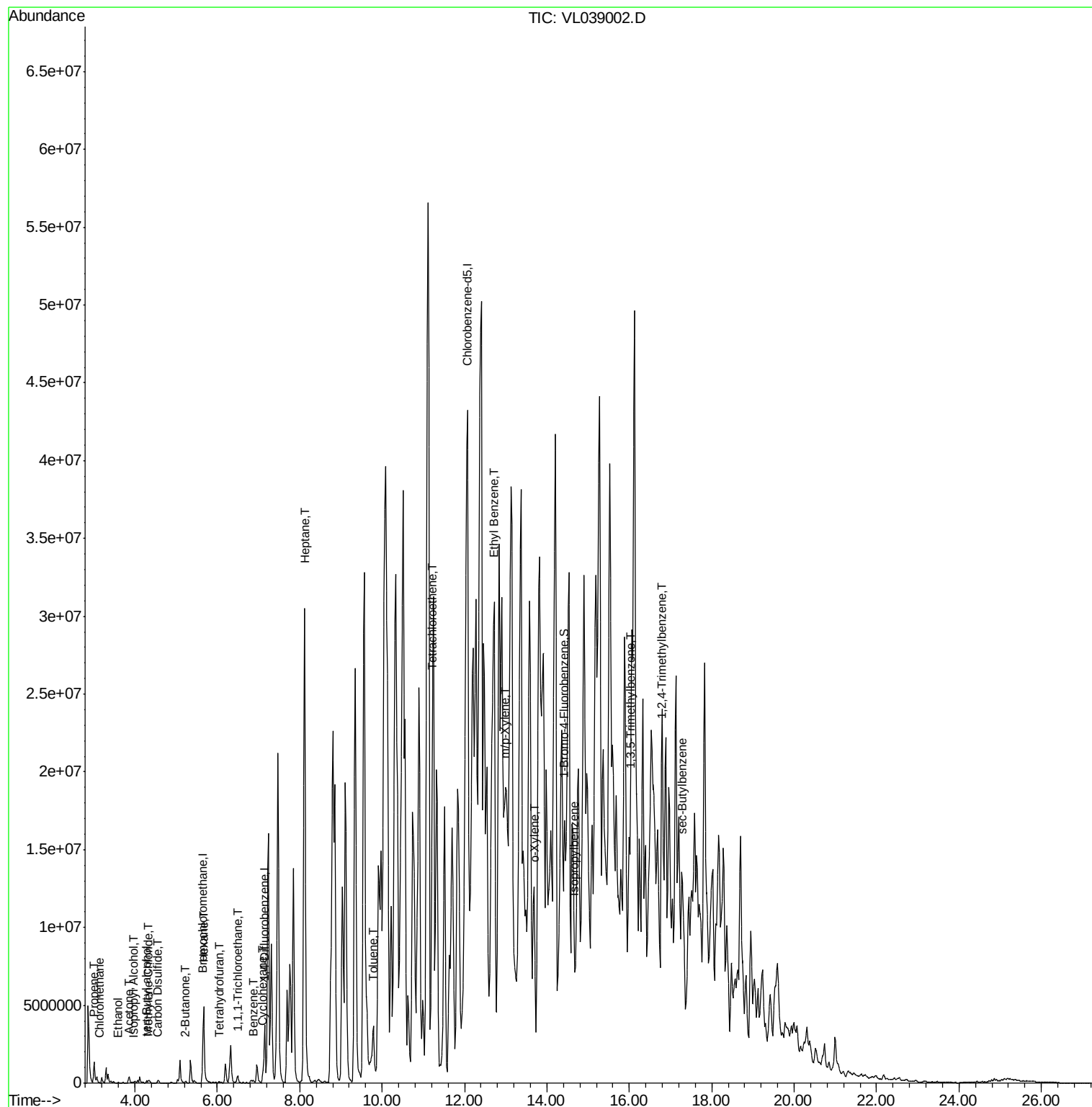
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL050922\
Data File : VL039002.D
Acq On : 10 May 2022 1:01
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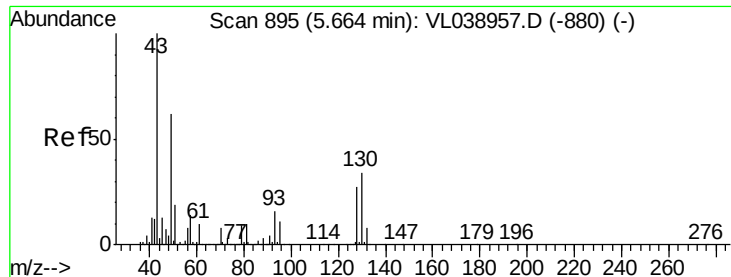
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: May 10 07:54:08 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
APPROVED

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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 10 May 2022 1:01 SV1

Tot Ion:

Ion Ratio

49 100

128 54.

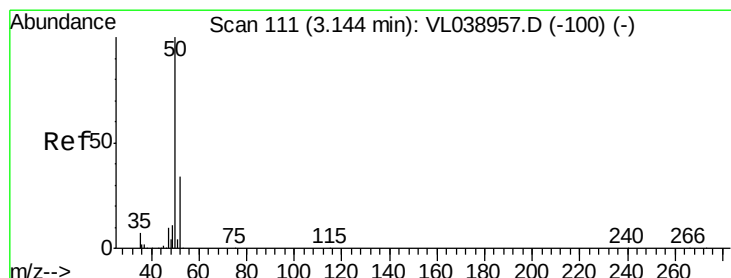
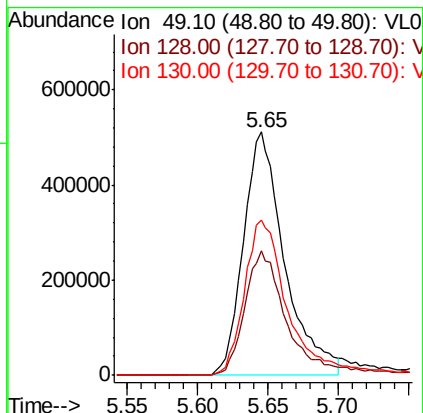
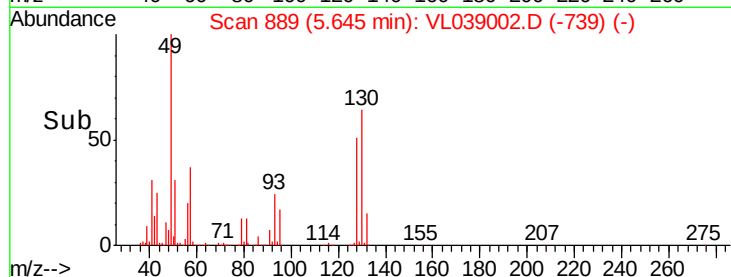
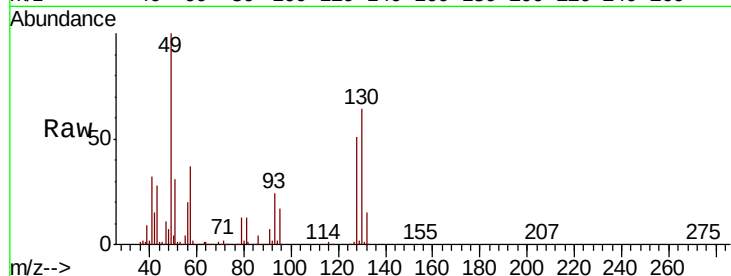
130 68.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/10/2022

Supervised By :Mahesh Dadoda 05/11/2022



#4

Chloromethane

Concen: 0.114 ppbv m

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL039002.D

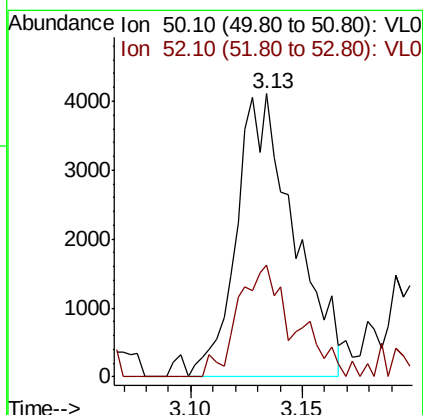
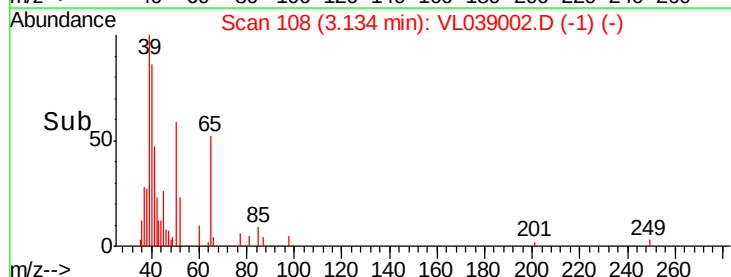
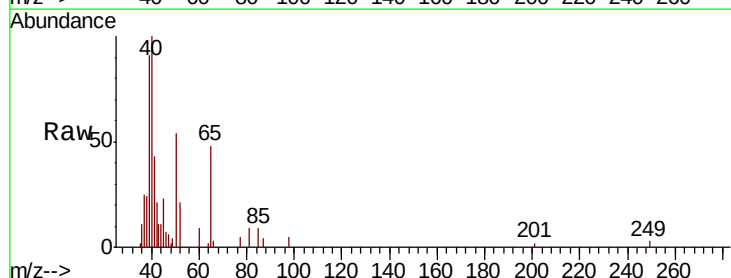
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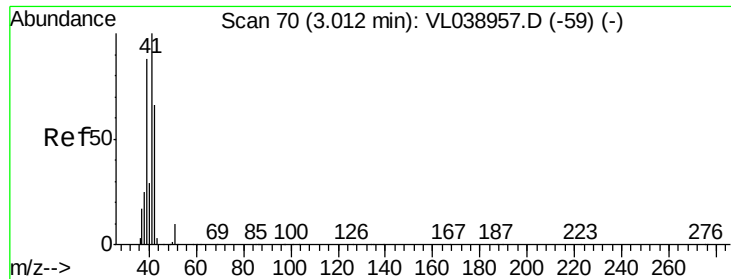
Tgt Ion: 50 Resp: 7384

Ion Ratio Lower Upper

50 100

52 39.4 27.3 40.9



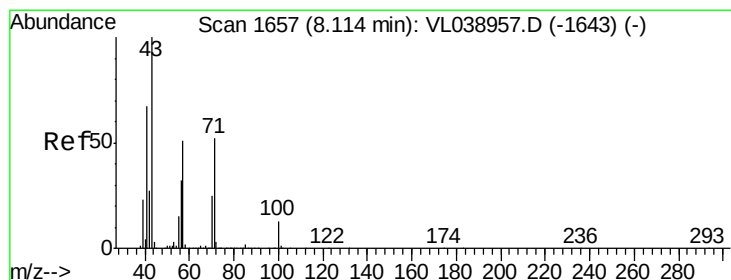
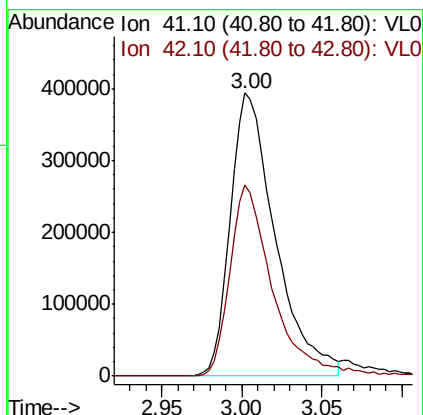
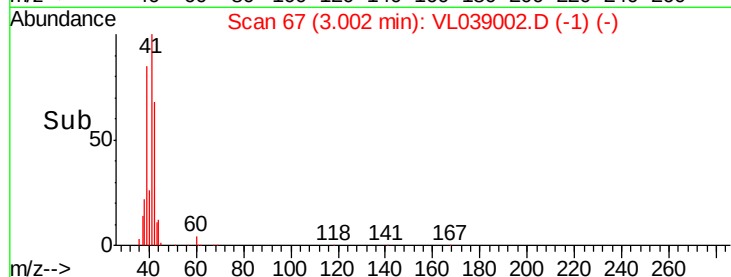
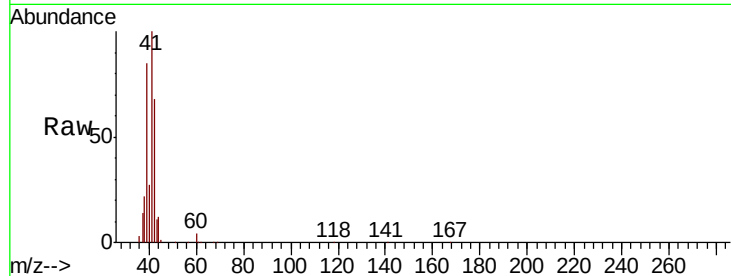


#9
 Propene
 Concen: 13.385 ppbv
 RT: 3.00
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 May 2022 1:01

Tot Ion:
 Ion Ratio
 41 100
 42 64.

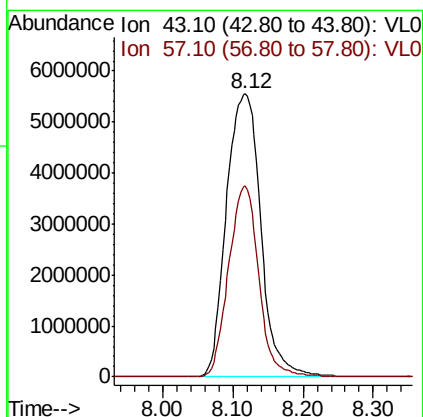
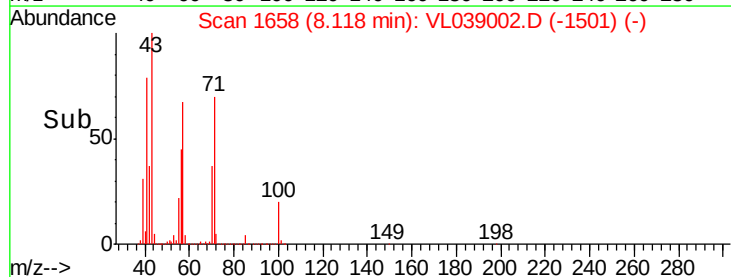
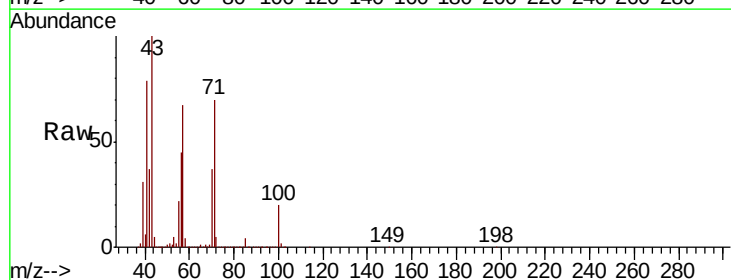
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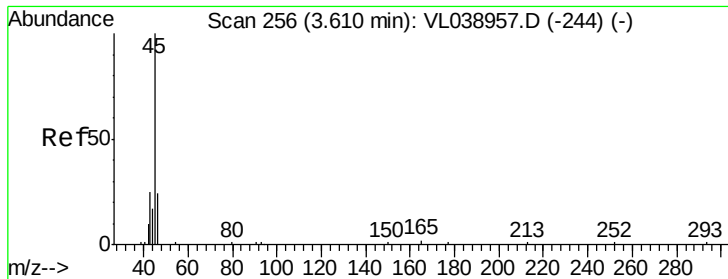
Reviewed By :Semsettin Yesilyurt 05/10/2022
 Supervised By :Mahesh Dadoda 05/11/2022



#10
 Heptane
 Concen: 135.693 ppbv
 RT: 8.12 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VL039002.D
 Acq: 10 May 2022 1:01

Tgt Ion: 43 Resp:18829995
 Ion Ratio Lower Upper
 43 100
 57 59.6 40.5 60.7



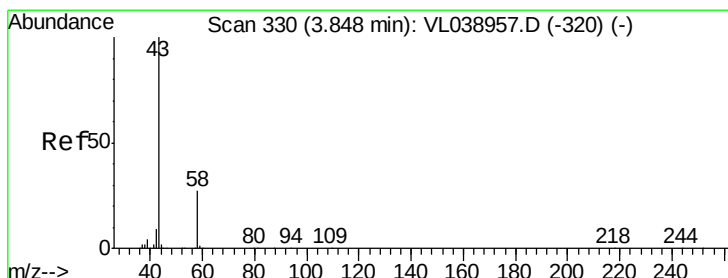
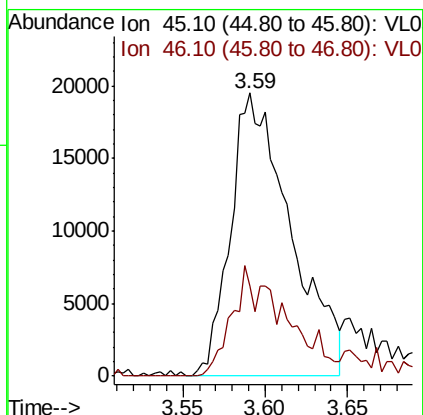
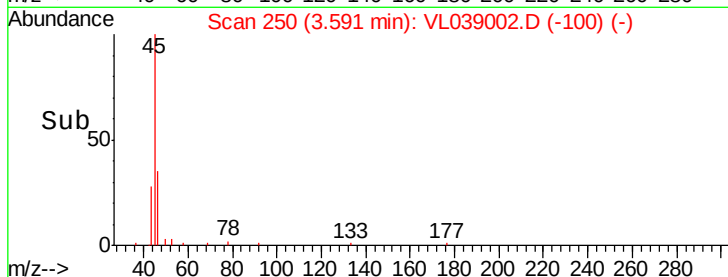
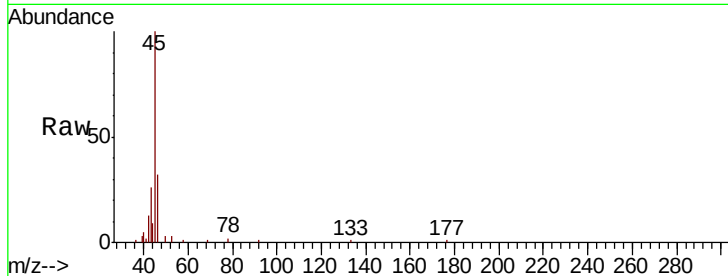


#13
Ethanol
Concen: 12.410 ppbv m
RT: 3.59
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
SV1
Acq: 10 May 2022 1:01

Tot Ion:
Ion Ratio
45 100
46 0.

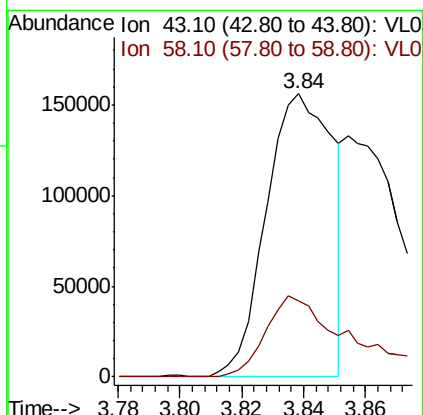
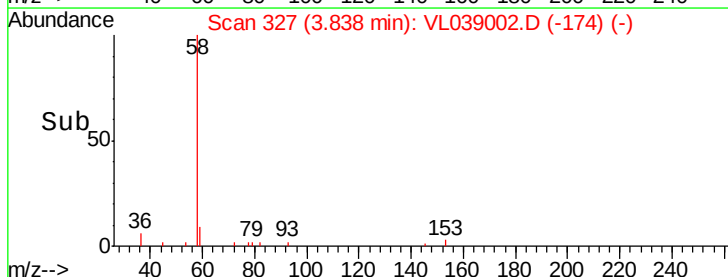
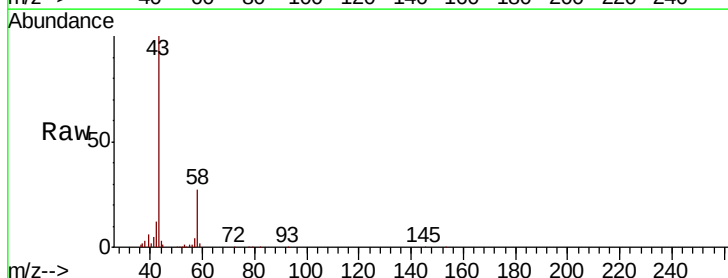
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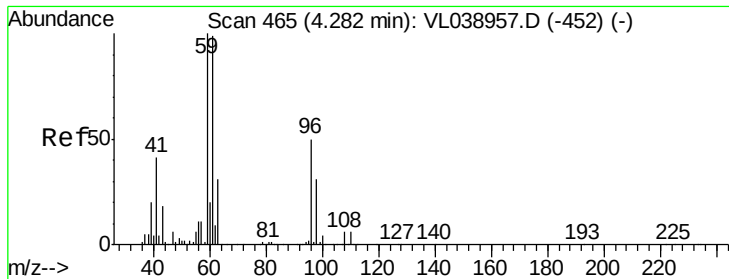
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#15
Acetone
Concen: 2.372 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL039002.D
Acq: 10 May 2022 1:01

Tgt Ion: 43 Resp: 233554
Ion Ratio Lower Upper
43 100
58 41.4 21.3 31.9#



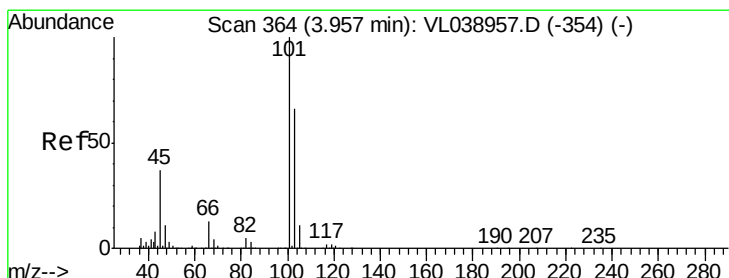
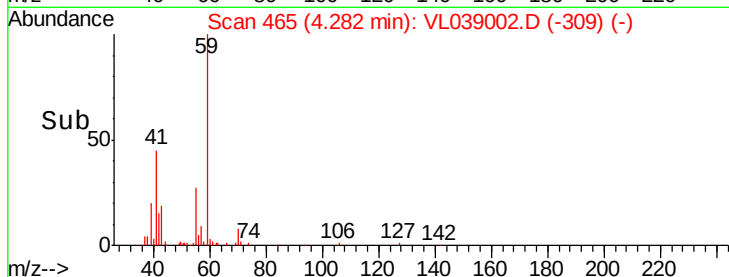
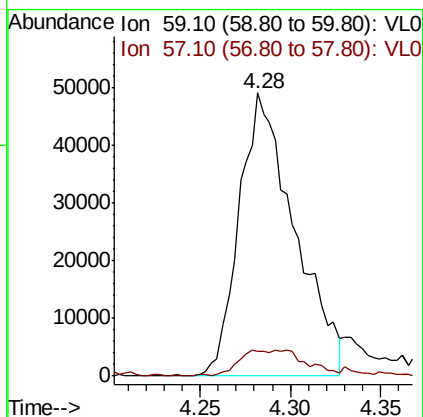
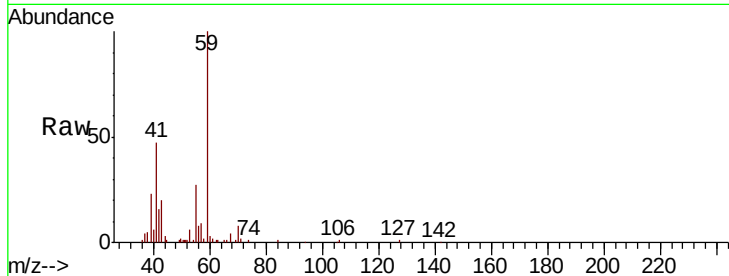


#17
 tert-Butyl alcohol
 Concen: 1.388 ppbv m
 RT: 4.28
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 SV1
 Acq: 10 May 2022 1:01

Tot Ion:
 Ion Ratio
 59 100
 57 12.

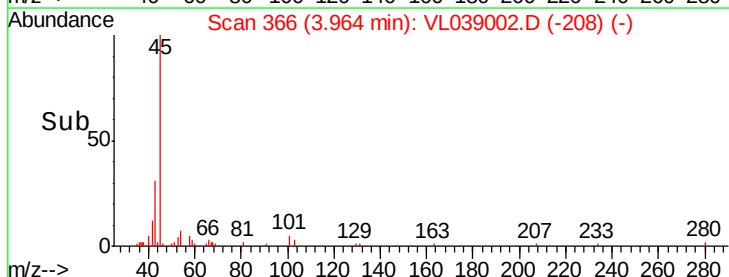
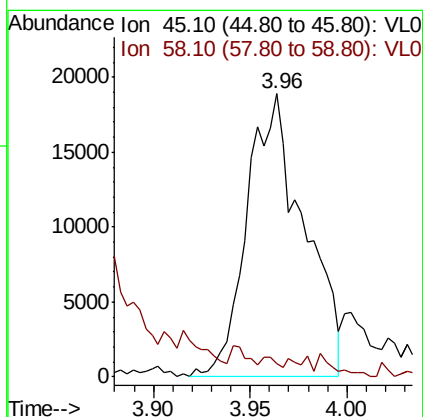
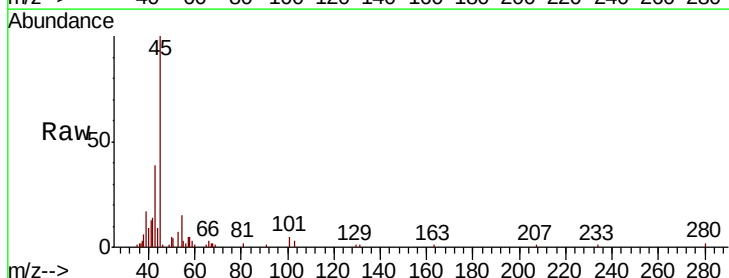
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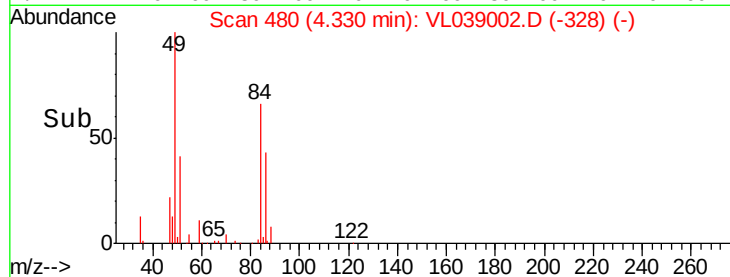
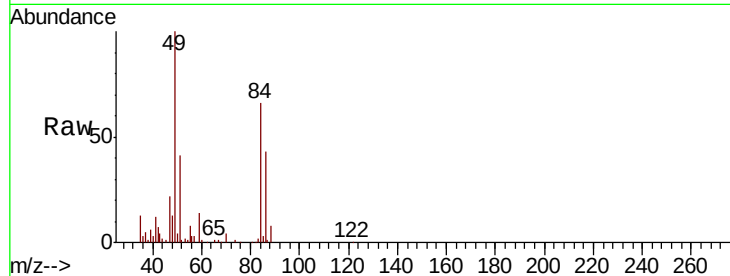
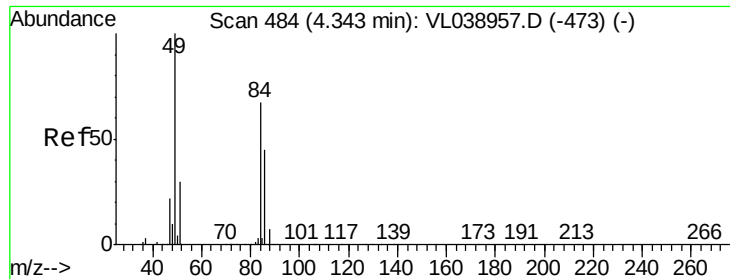
Reviewed By :Semsettin Yesilyurt 05/10/2022
 Supervised By :Mahesh Dadoda 05/11/2022



#19
 Isopropyl Alcohol
 Concen: 0.824 ppbv m
 RT: 3.96 min Scan# 366
 Delta R.T. 0.01 min
 Lab File: VL039002.D
 Acq: 10 May 2022 1:01

Tgt Ion: 45 Resp: 38556
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.4 2.2#



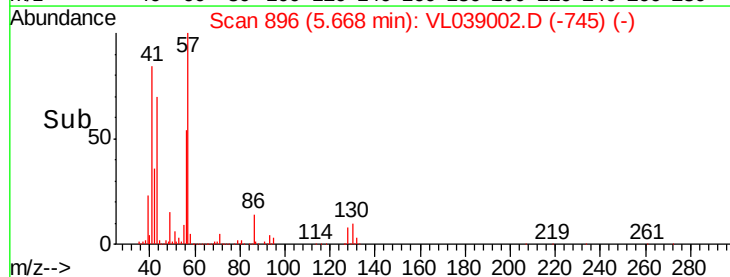
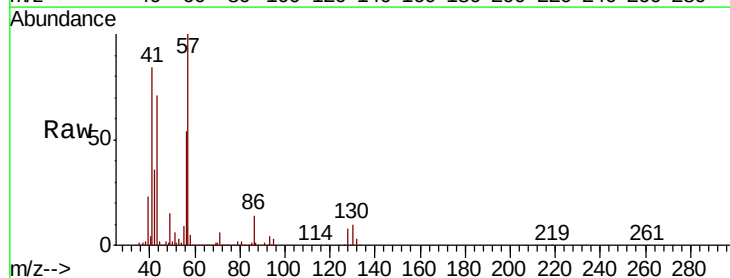
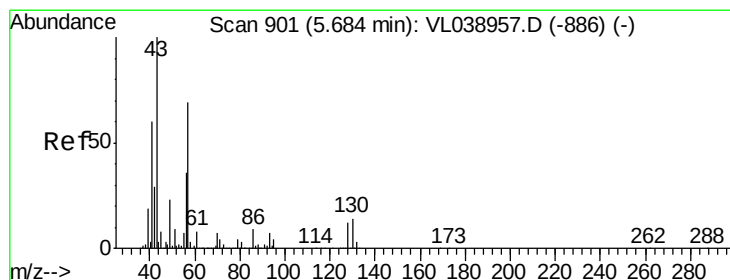
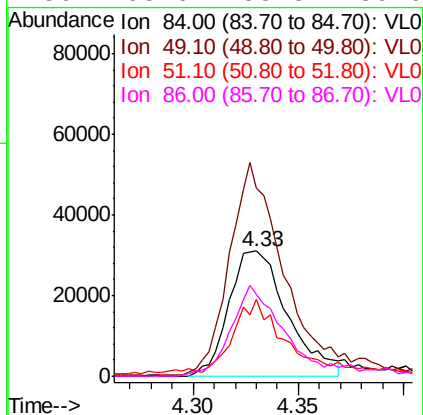


#20
Methylene Chloride
Concen: 1.618 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV1
Acq: 10 May 2022 1:01

Tot Ion:
Ion Ratio
84 100
49 147.
51 55.
86 63.6 53.8 80.6

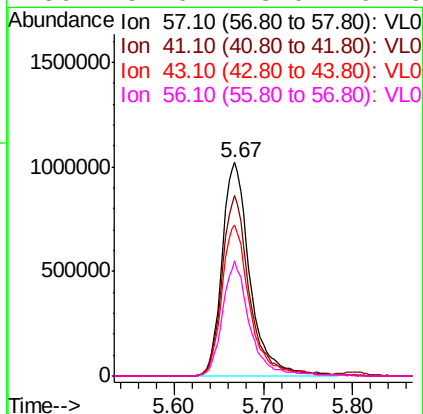
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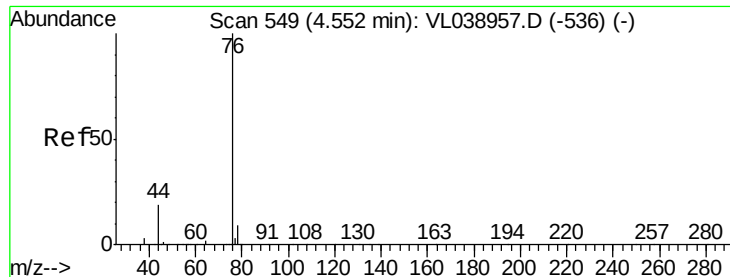
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#26
Hexane
Concen: 21.053 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL039002.D
Acq: 10 May 2022 1:01

Tgt Ion: 57 Resp: 2204522
Ion Ratio Lower Upper
57 100
41 83.8 75.2 112.8
43 71.5 190.8 286.2#
56 52.6 43.0 64.6



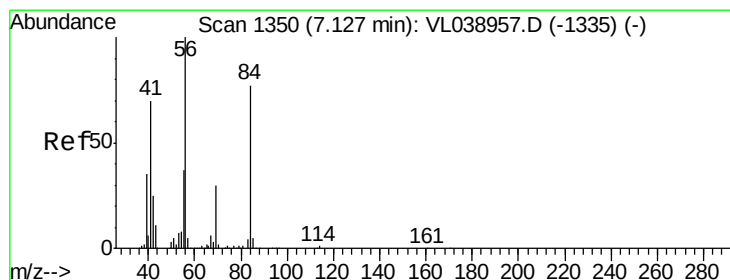
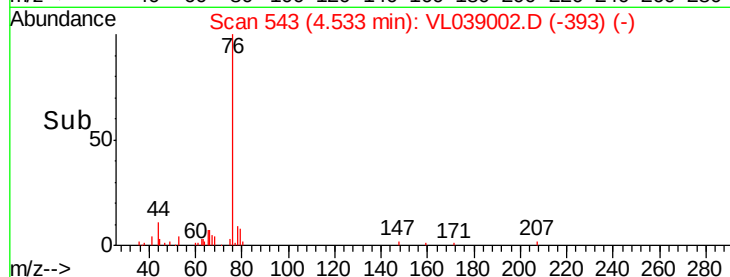
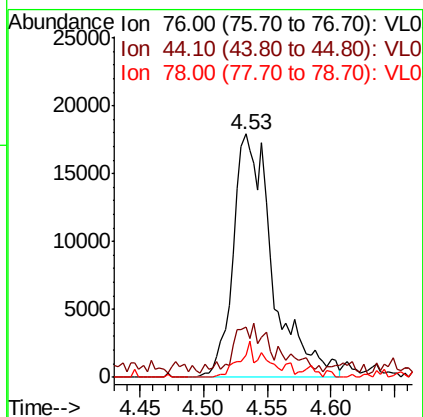
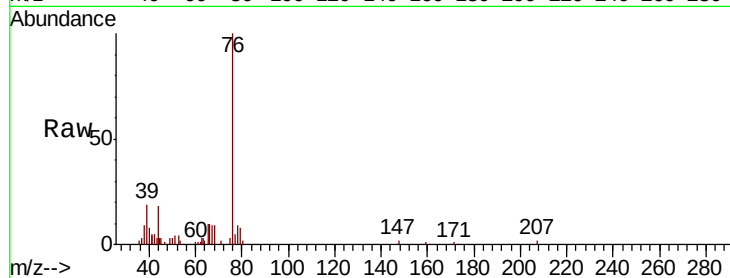


#27
Carbon Disulfide
Concen: 0.387 ppbv m
RT: 4.53
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV1
Acq: 10 May 2022 1:01

Tot Ion:
Ion Ratio
76 100
44 22.
78 12.

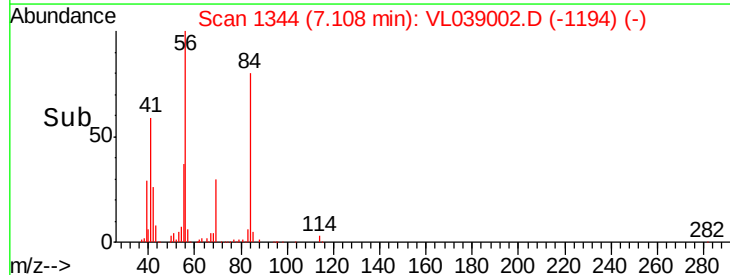
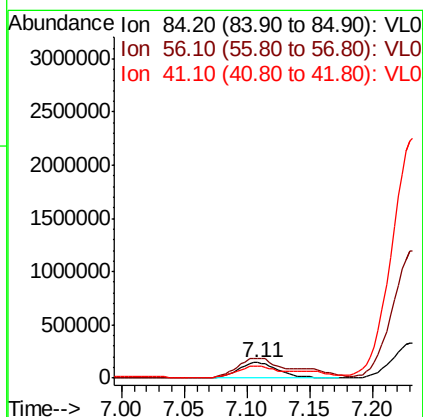
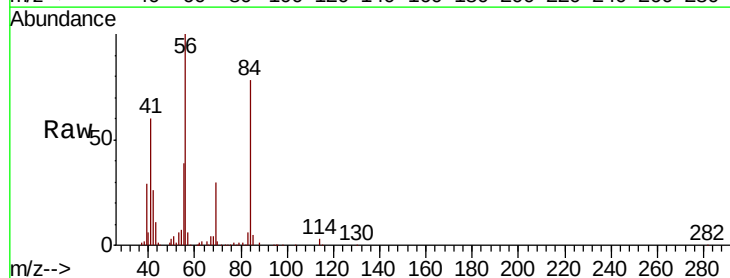
Manual Integrations
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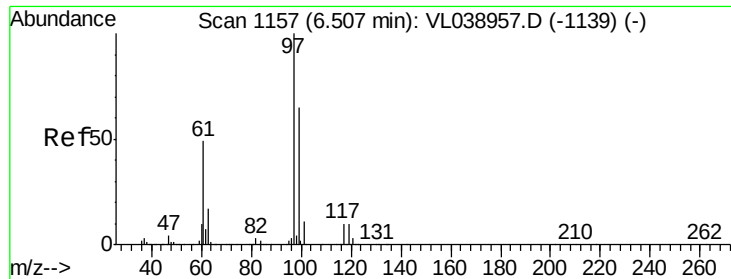
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#30
Cyclohexane
Concen: 3.851 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.02 min
Lab File: VL039002.D
Acq: 10 May 2022 1:01

Tgt Ion: 84 Resp: 337633
Ion Ratio Lower Upper
84 100
56 174.4 115.3 172.9#
41 109.8 72.0 108.0#



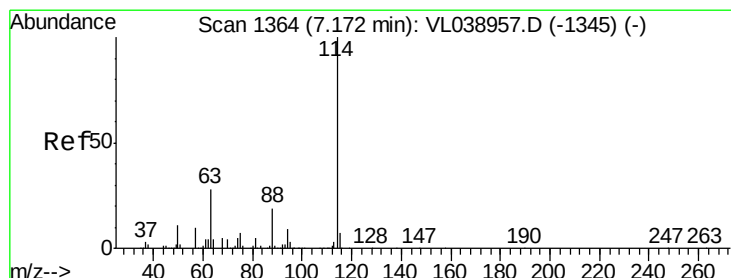
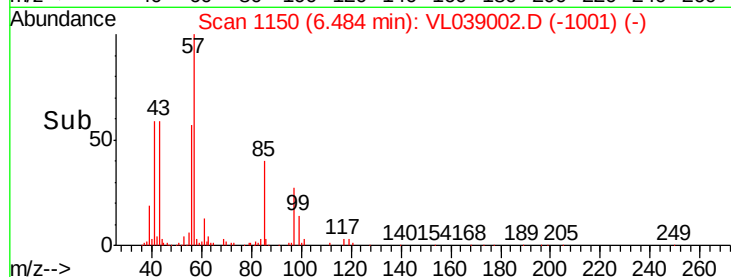
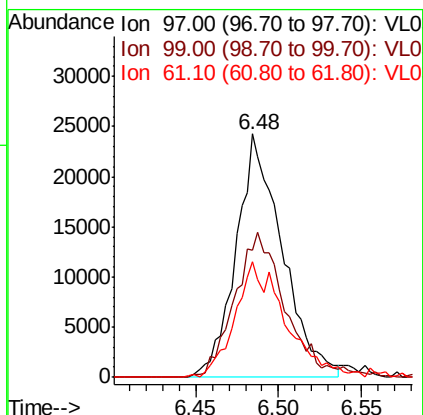
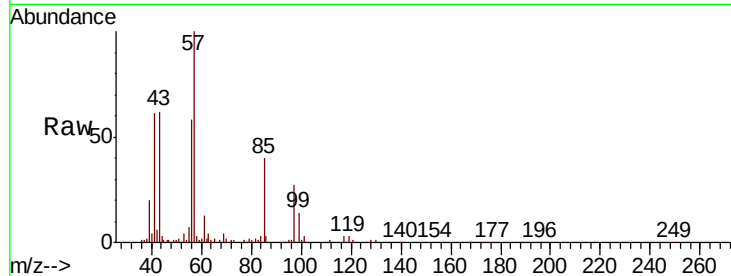


#32
 1,1,1-Trichloroethane
 Concen: 0.278 ppbv
 RT: 6.48
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 SV1
 Acq: 10 May 2022 1:01

Tot Ion:
 Ion Ratio
 97 100
 99 66.
 61 53.

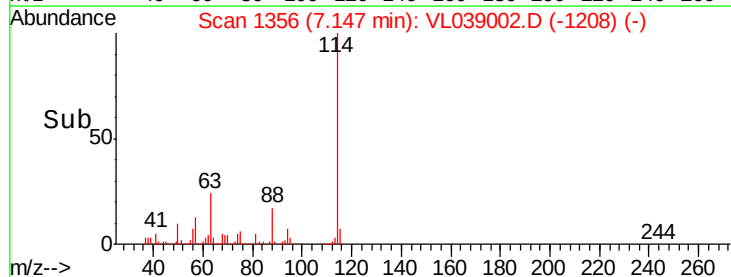
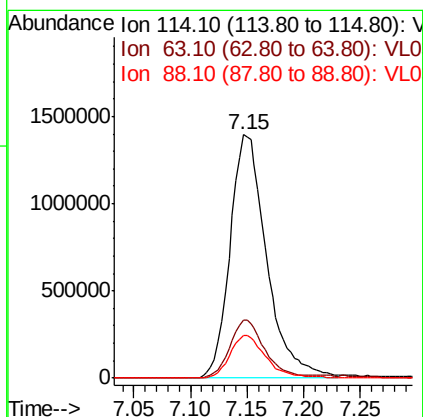
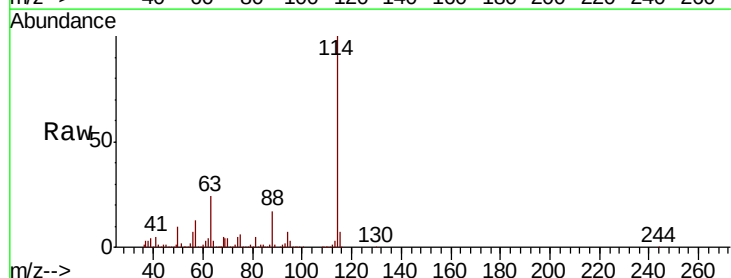
Manual Integrations
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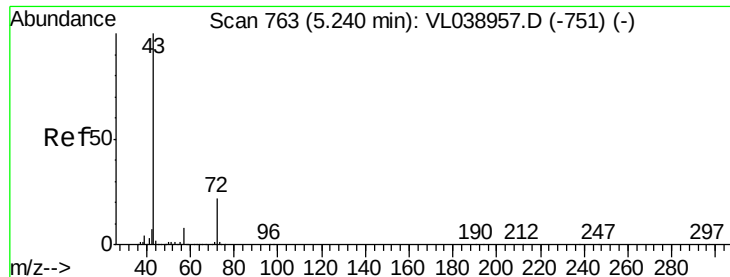
Reviewed By :Semsettin Yesilyurt 05/10/2022
 Supervised By :Mahesh Dadoda 05/11/2022



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.03 min
 Lab File: VL039002.D
 Acq: 10 May 2022 1:01

Tgt Ion:114 Resp: 3149368
 Ion Ratio Lower Upper
 114 100
 63 24.4 22.6 33.8
 88 17.5 15.4 23.0



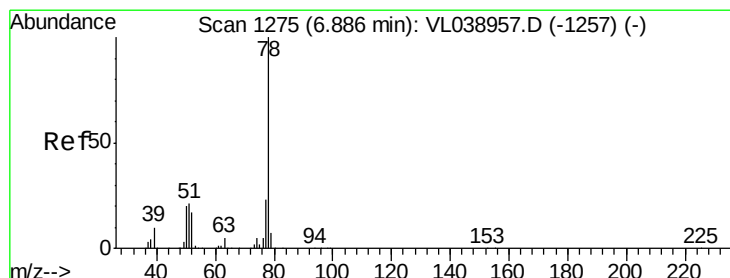
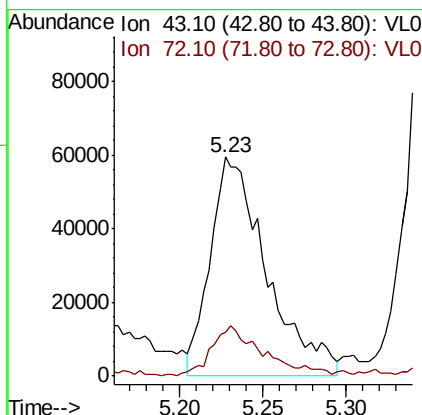
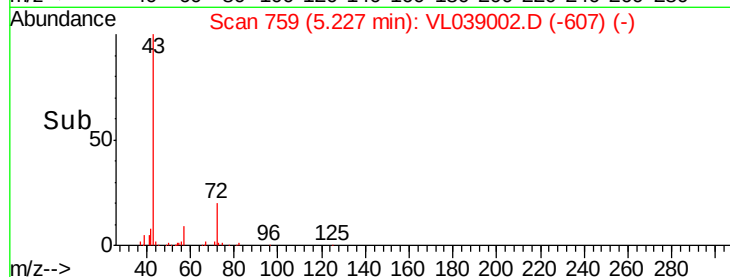
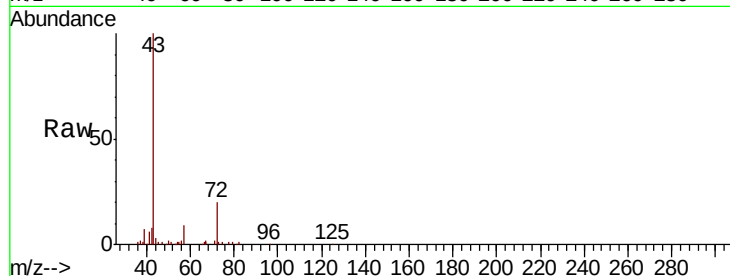


#34
2-Butanone
Concen: 0.875 ppbv m
RT: 5.23
Instrument : MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
SV1
Acq: 10 May 2022 1:01

Tot Ion:
Ion Ratio
43 100
72 22.

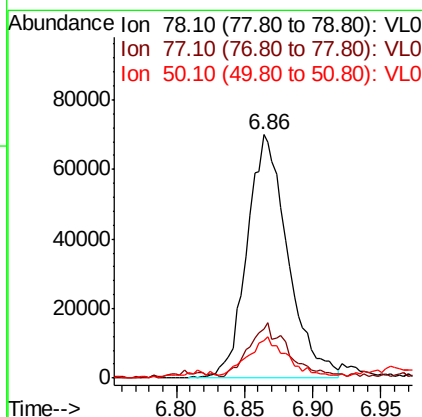
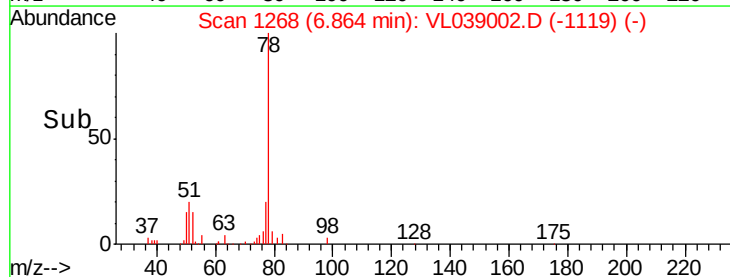
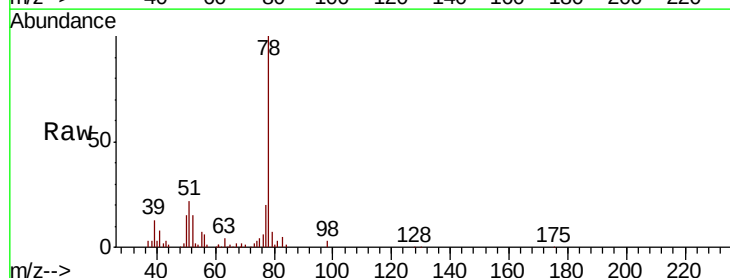
Manual Integrations
APPROVED

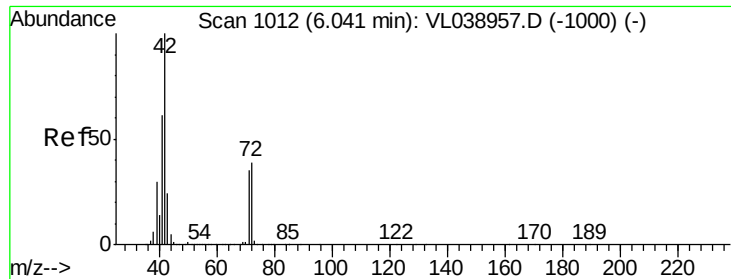
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#36
Benzene
Concen: 0.539 ppbv
RT: 6.86 min Scan# 1268
Delta R.T. -0.02 min
Lab File: VL039002.D
Acq: 10 May 2022 1:01

Tgt Ion: 78 Resp: 145302
Ion Ratio Lower Upper
78 100
77 18.6 18.6 28.0
50 13.9 15.6 23.4#





#41

Tetrahydrofuran

Concen: 0.651 ppbv m

RT: 6.05 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId :

Acq: 10 May 2022 1:01

Tot Ion:

Ion Ratio

42 100

72 36.

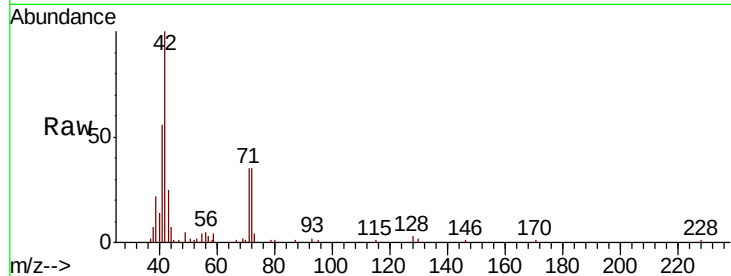
71 40.

Manual Integrations

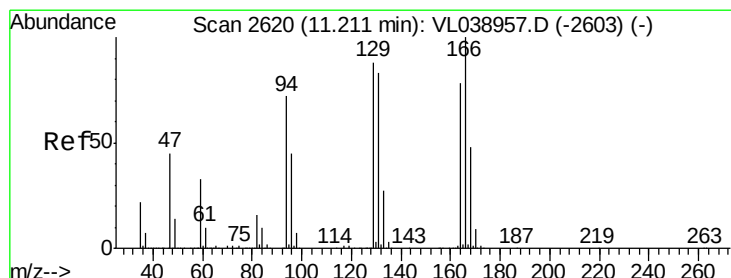
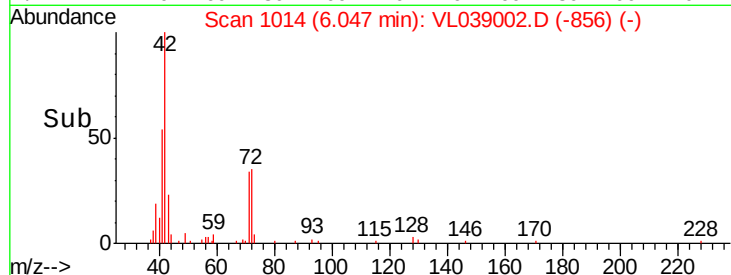
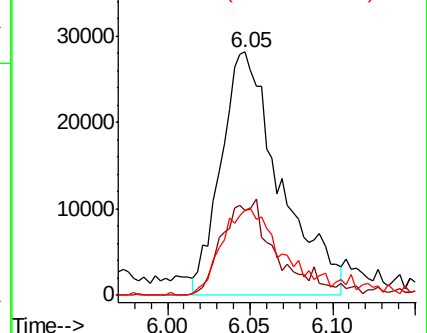
APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2022

Supervised By :Mahesh Dadoda 05/11/2022



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#52

Tetrachloroethene

Concen: 1.813 ppbv

RT: 11.21 min Scan# 2621

Delta R.T. 0.00 min

Lab File: VL039002.D

Acq: 10 May 2022 1:01

Tgt Ion:164 Resp: 174600

Ion Ratio Lower Upper

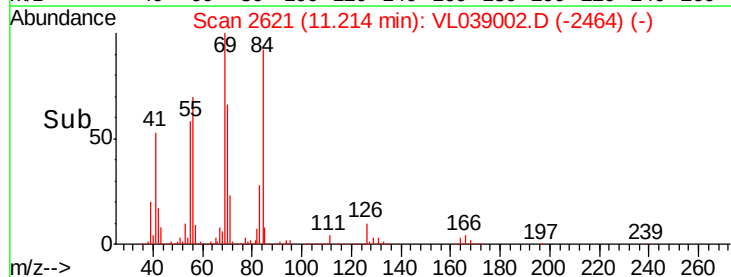
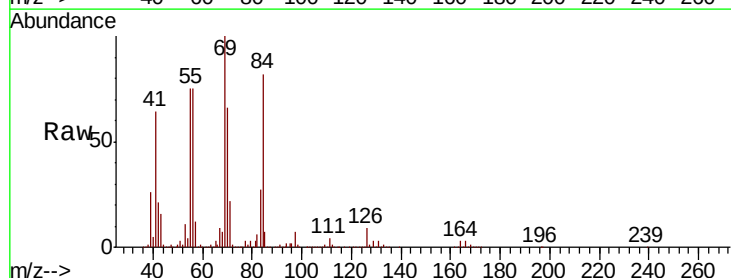
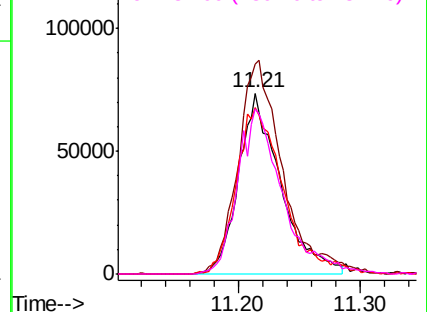
164 100

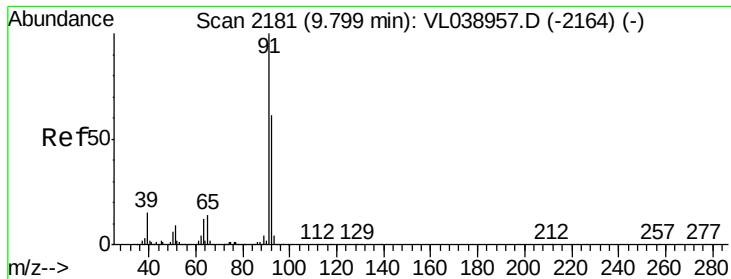
166 116.3 102.5 153.7

129 91.9 90.1 135.1

131 91.6 84.8 127.2

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V



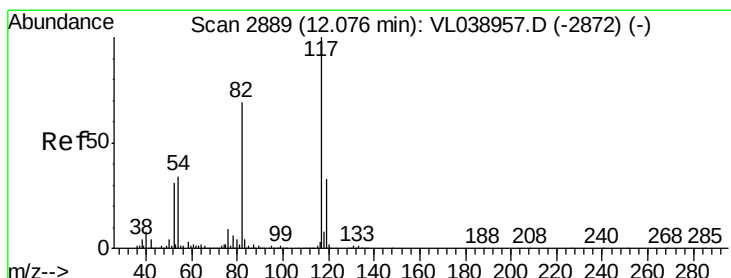
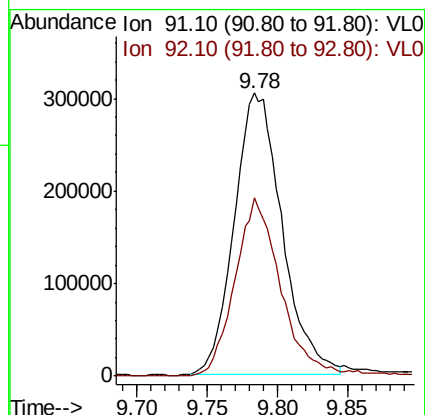
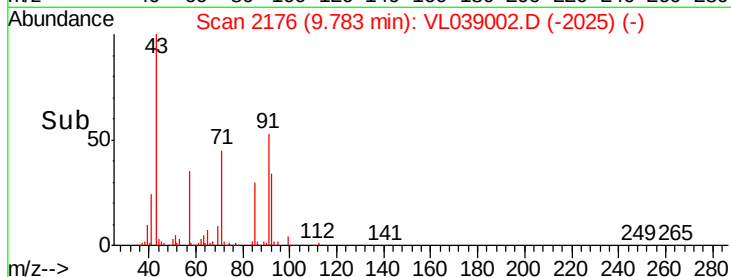
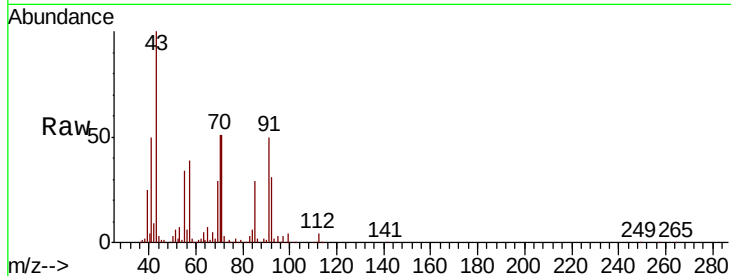


#53
Toluene
Concen: 2.391 ppbv
RT: 9.78
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
SV1
Acq: 10 May 2022 1:01

Tot Ion:
Ion Ratio
91 100
92 61.

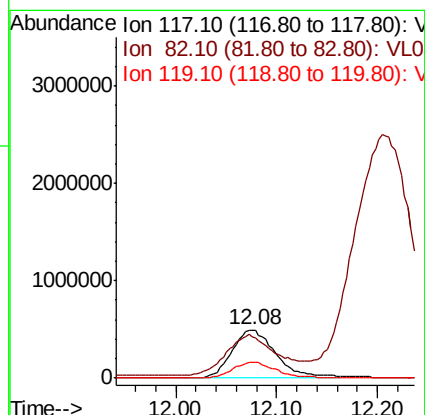
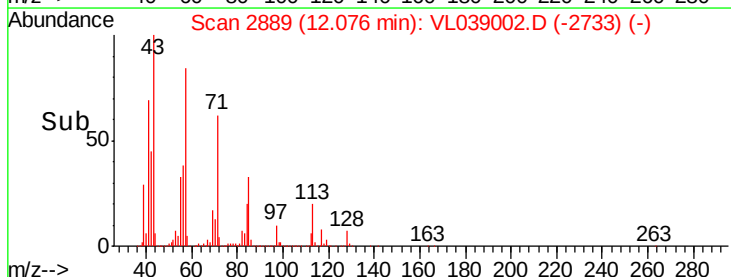
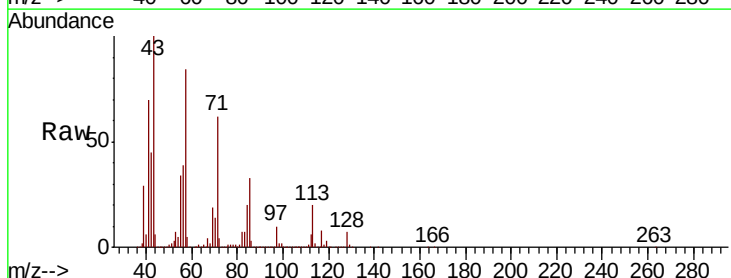
Manual Integrations
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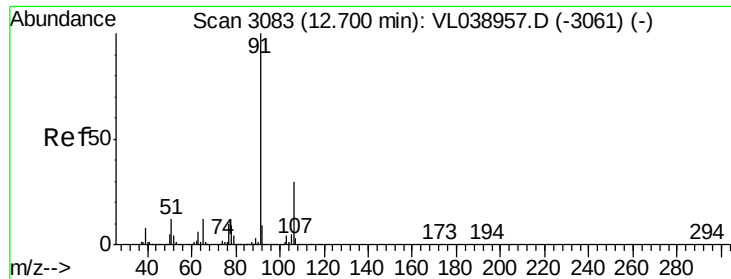
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL039002.D
Acq: 10 May 2022 1:01

Tgt Ion:117 Resp: 1501358
Ion Ratio Lower Upper
117 100
82 102.2 57.0 85.6#
119 34.1 27.2 40.8



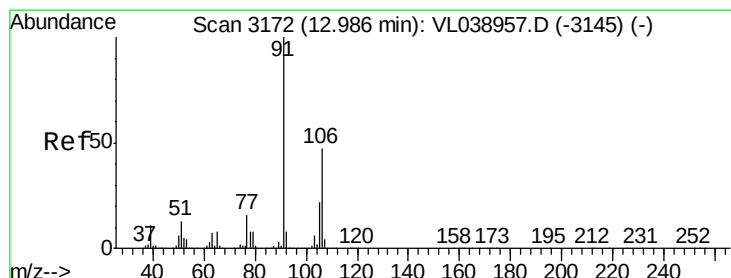
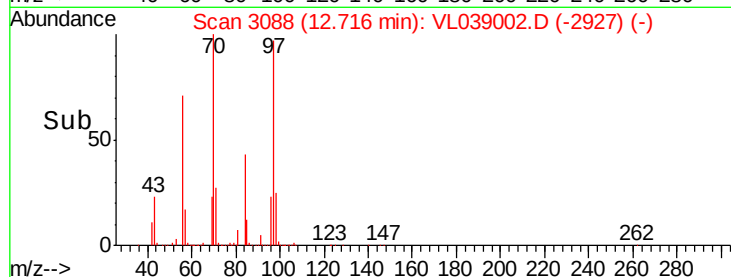
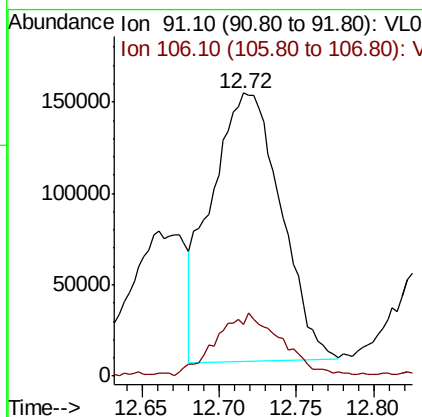
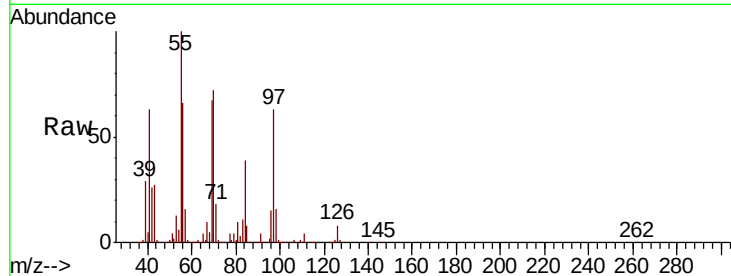


#58
Ethyl Benzene
Concen: 2.123 ppbv
RT: 12.72 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 10 May 2022 1:01

Tot Ion:
Ion Ratio
91 100
106 18.

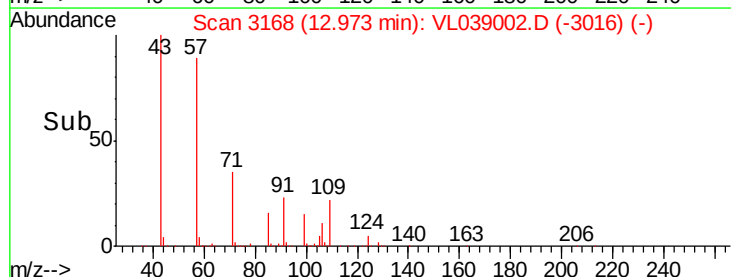
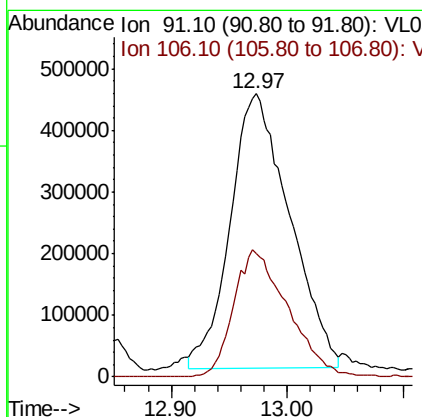
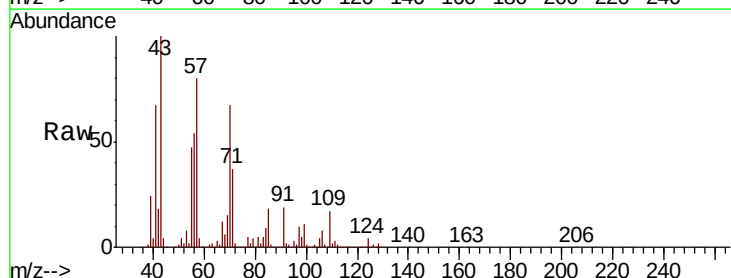
Manual Integrations
APPROVED

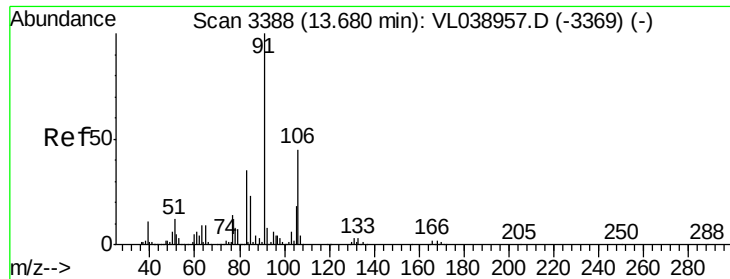
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#59
m/p-Xylene
Concen: 8.598 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL039002.D
Acq: 10 May 2022 1:01

Tgt Ion: 91 Resp: 1585931
Ion Ratio Lower Upper
91 100
106 42.4 34.6 52.0



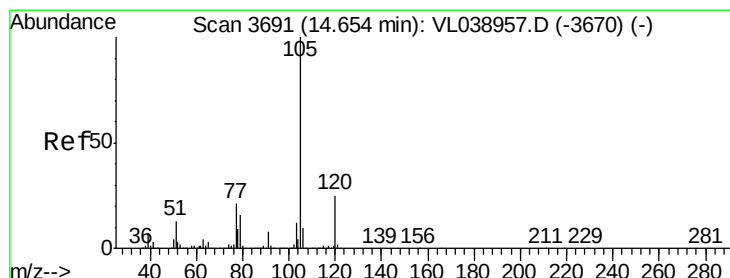
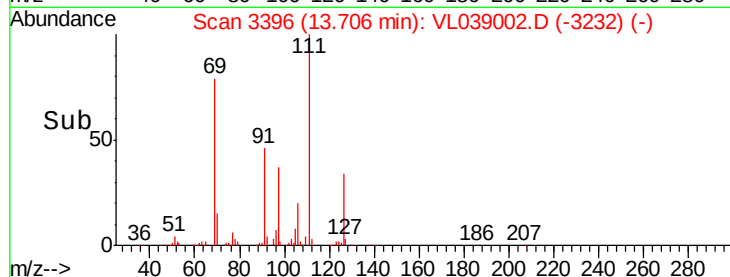
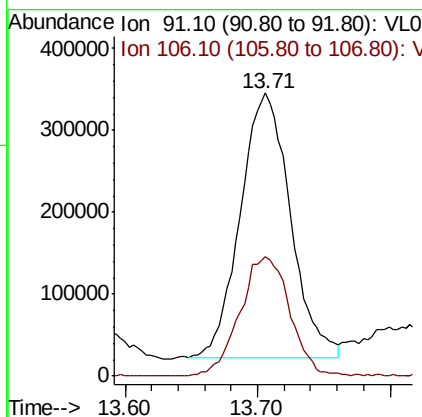
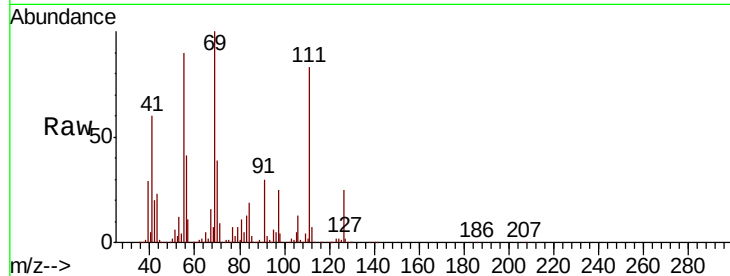


#60
o-Xylene
Concen: 4.874 ppbv
RT: 13.71
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SV1
Acq: 10 May 2022 1:01

Tot Ion:
Ion Ratio
91 100
106 45.

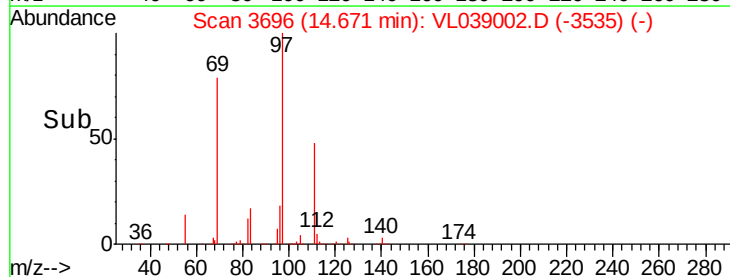
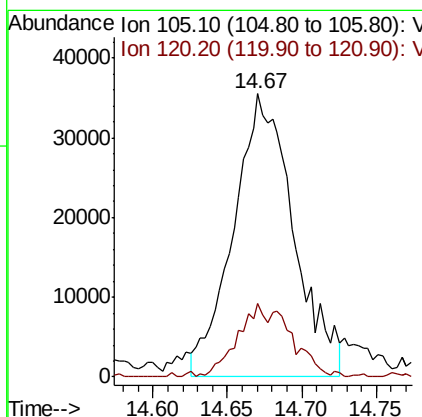
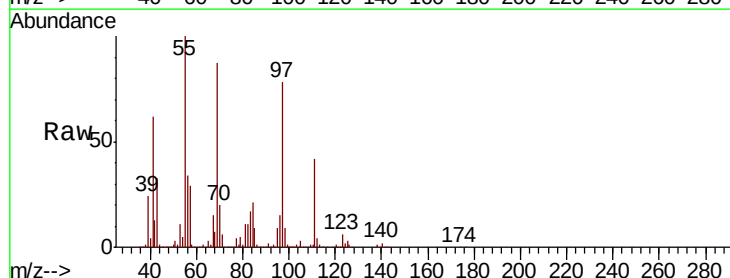
Manual Integrations
APPROVED

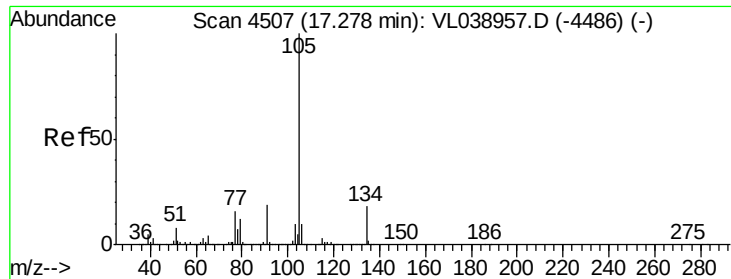
Reviewed By :Semsettin Yesilyurt 05/10/2022
Supervised By :Mahesh Dadoda 05/11/2022



#62
Isopropylbenzene
Concen: 0.393 ppbv m
RT: 14.67 min Scan# 3696
Delta R.T. 0.02 min
Lab File: VL039002.D
Acq: 10 May 2022 1:01

Tgt Ion:105 Resp: 99719
Ion Ratio Lower Upper
105 100
120 0.8 20.5 30.7#





#67

sec-Butylbenzene

Concen: 0.457 ppbv

RT: 17.30

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 10 May 2022 1:01

Tot Ion:1

Ion Ratio

105 100

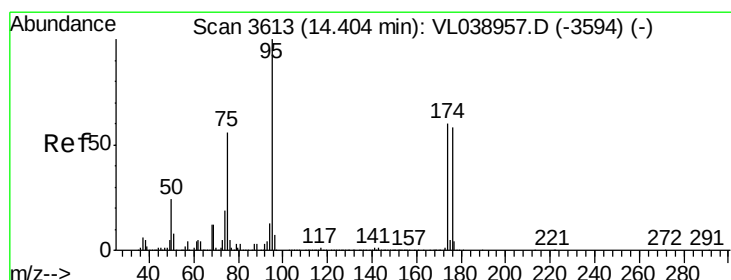
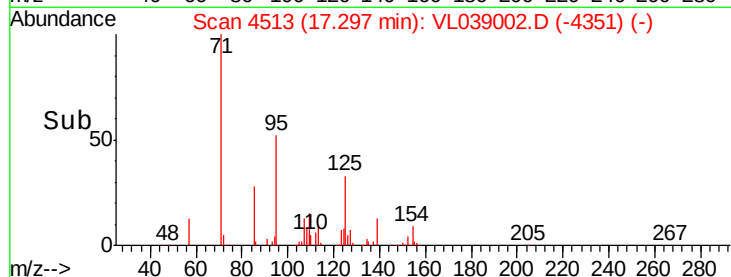
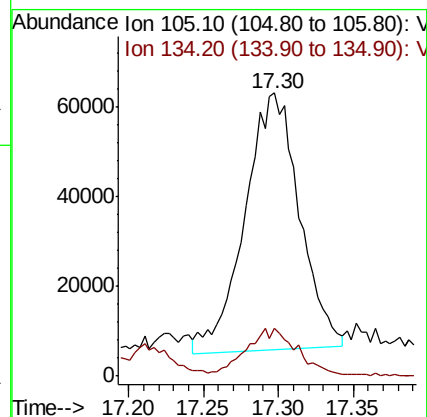
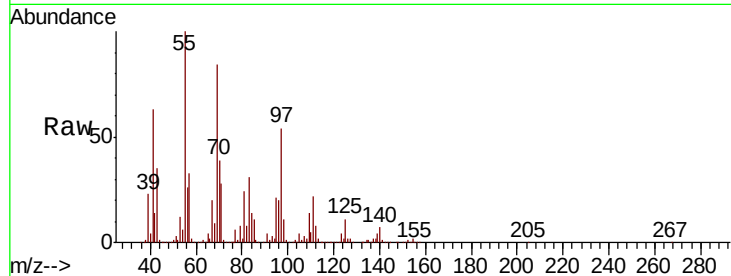
134 17.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/10/2022

Supervised By :Mahesh Dadoda 05/11/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 30.010 ppbv m

RT: 14.41 min Scan# 3616

Delta R.T. 0.01 min

Lab File: VL039002.D

Acq: 10 May 2022 1:01

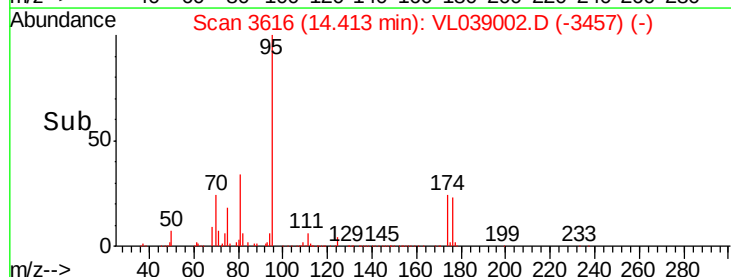
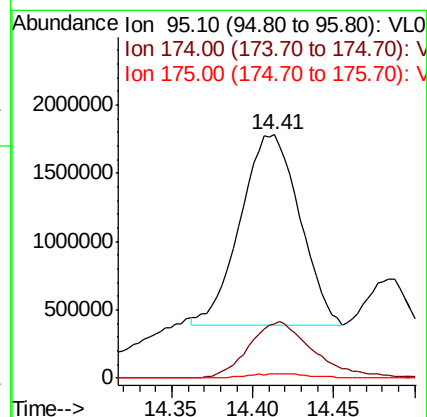
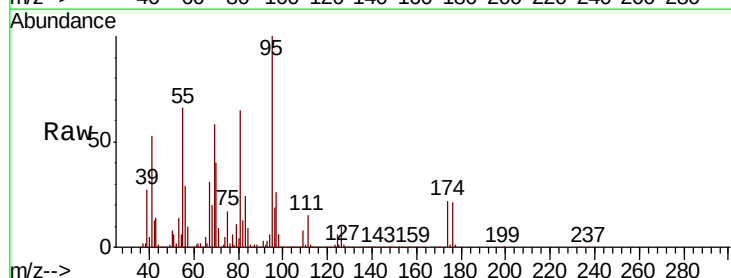
Tgt Ion: 95 Resp: 3568224

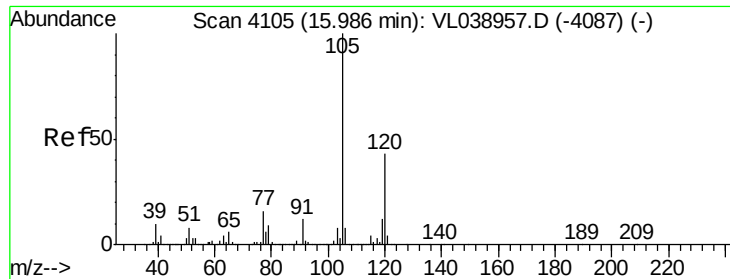
Ion Ratio Lower Upper

95 100

174 33.2 50.8 76.2#

175 2.5 3.8 5.6#



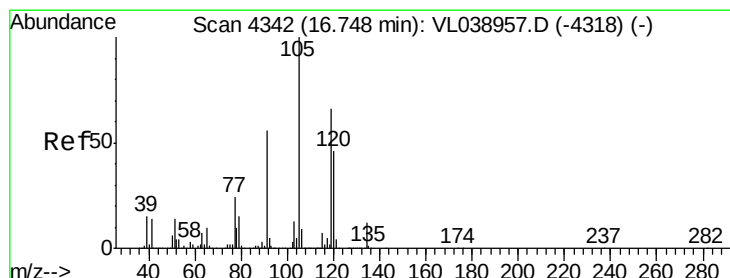
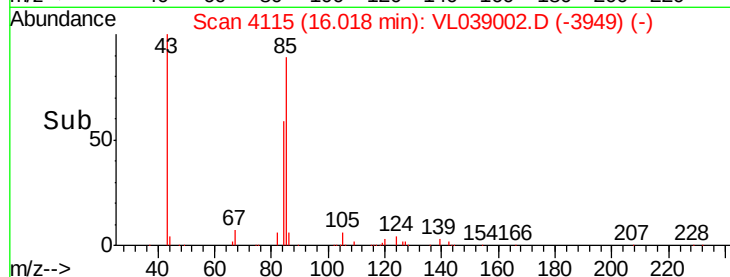
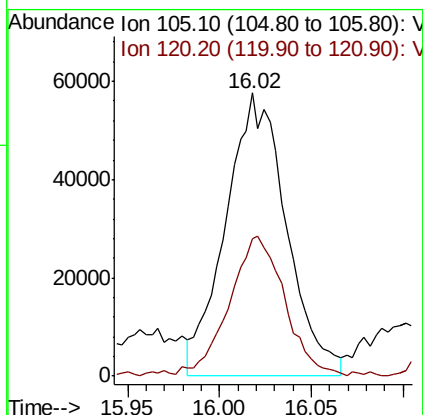
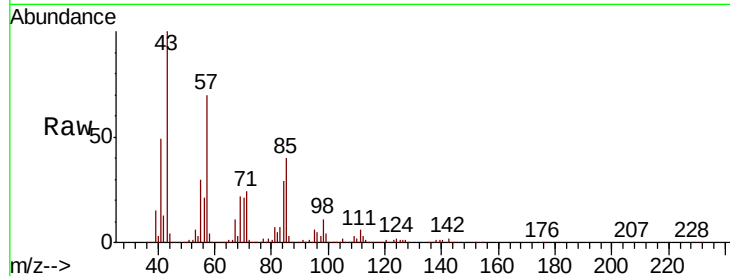


#73
 1,3,5-Trimethylbenzene
 Concen: 0.743 ppbv m
 RT: 16.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 10 May 2022 1:01

Tot Ion:1
 Ion Rati
 105 100
 120 48.

Manual Integrations
 APPROVED

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



#74
 1,2,4-Trimethylbenzene
 Concen: 0.953 ppbv m
 RT: 16.77 min Scan# 4349
 Delta R.T. 0.02 min
 Lab File: VL039002.D
 Acq: 10 May 2022 1:01

Tgt Ion:105 Resp: 185805
 Ion Ratio Lower Upper
 105 100
 120 43.0 36.9 55.3
 91 65.4 45.0 67.4
 77 113.6 19.2 28.8#

