

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020322\
 Data File : VL038333.D
 Acq On : 3 Feb 2022 14:18
 Operator : SY/AP
 Sample : N1379-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/04/2022
 Supervised By : Mahesh Dadoda 02/04/2022

Quant Time: Feb 04 09:12:27 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422A

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:

QLast Update : Mon Jan 24 14:12:48 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	827870	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2143247	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	1869378	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1478639	10.42	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	82236	0.467	ppbv	88
3) Chlorodifluoromethane	2.98	51	42723m	0.259	ppbv	
4) Chloromethane	3.13	50	25752m	0.454	ppbv	
9) Propene	3.02	41	103772	1.934	ppbv	87
10) Heptane	8.11	43	34315	0.249	ppbv	92
11) Trichlorofluoromethane	3.95	101	35317m	0.257	ppbv	
13) Ethanol	3.59	45	240484	41.755	ppbv	93
15) Acetone	3.85	43	226270	3.100	ppbv #	81
19) Isopropyl Alcohol	3.96	45	180534	3.954	ppbv	99
20) Methylene Chloride	4.34	84	24843m	0.585	ppbv	
26) Hexane	5.68	57	60279	0.634	ppbv #	74
30) Cyclohexane	7.12	84	10372m	0.125	ppbv	
34) 2-Butanone	5.24	43	49861	0.711	ppbv #	90
35) Carbon Tetrachloride	7.01	117	9398m	0.062	ppbv	
36) Benzene	6.88	78	131666m	0.695	ppbv	
44) 2,2,4-Trimethylpentane	7.86	57	113145	0.339	ppbv #	85
53) Toluene	9.79	91	236052	1.125	ppbv	98
58) Ethyl Benzene	12.69	91	55116	0.201	ppbv	97
59) m/p-Xylene	12.95	91	167036m	0.713	ppbv	
60) o-Xylene	13.67	91	59991m	0.275	ppbv	
61) Styrene	13.51	104	8824m	0.087	ppbv	
74) 1,2,4-Trimethylbenzene	16.74	105	51361m	0.238	ppbv	

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

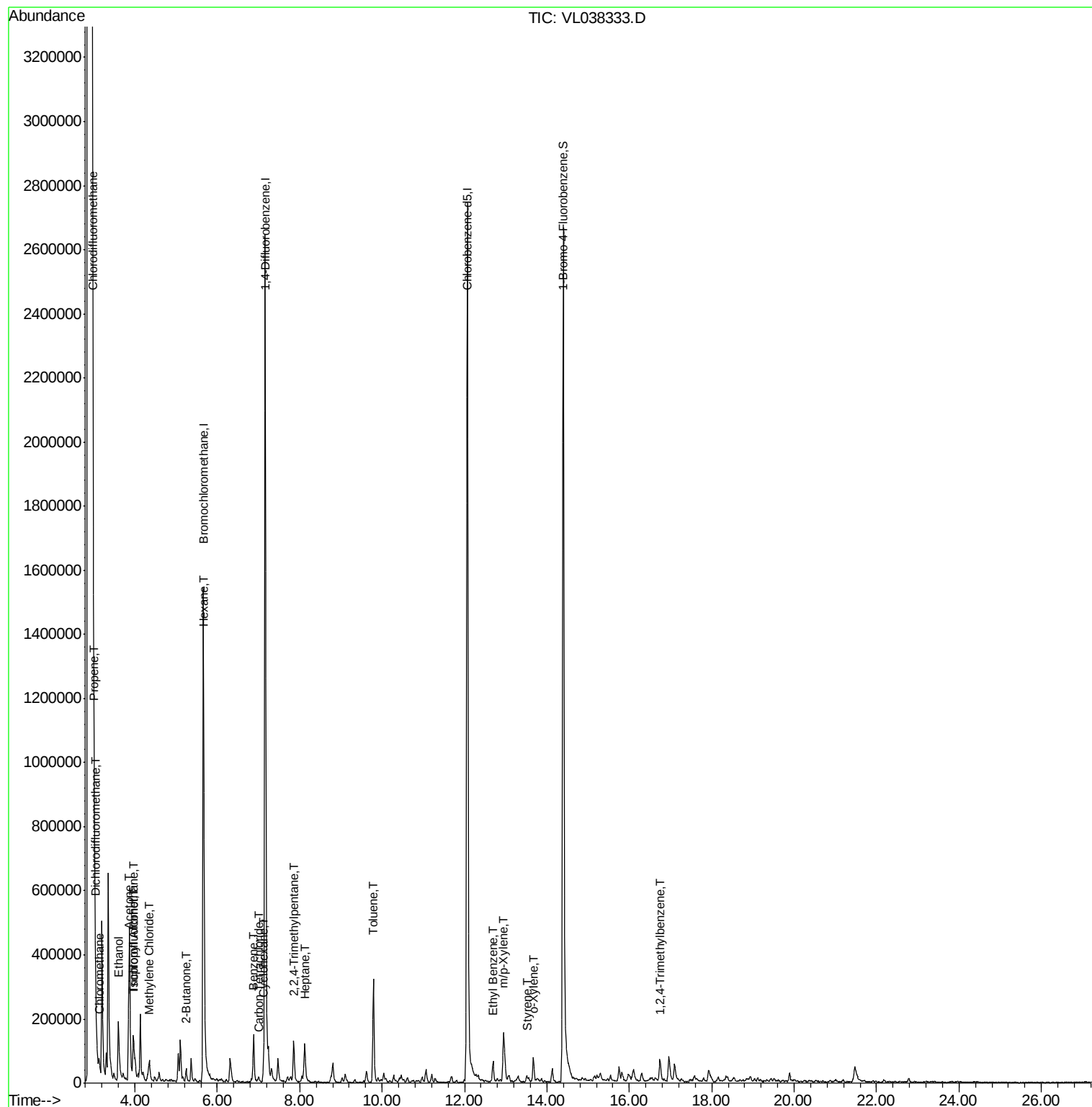
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL020322\
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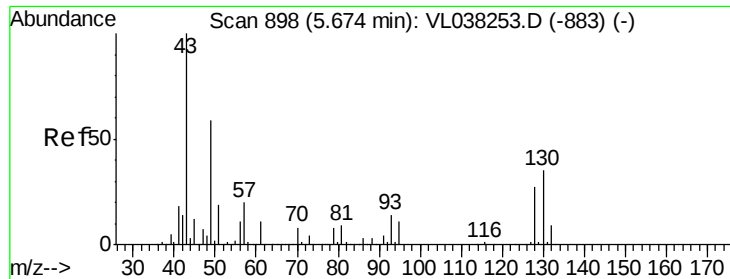
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Feb 04 09:12:27 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL012422
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Mon Jan 24 14:12:48 2022
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Supervised By :Mahesh Dadoda 02/04/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: OA1

Acq: 3 Feb 2022 14:18

Tgt Ion:

Ion Ratio

49 100

128 47.

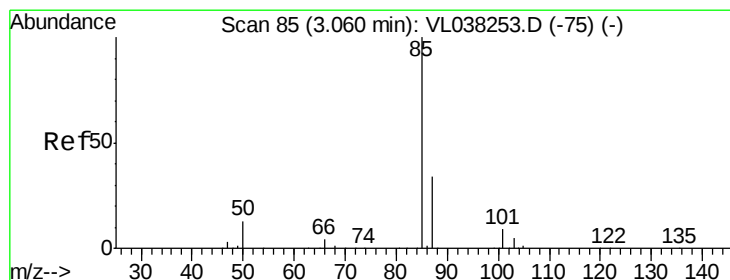
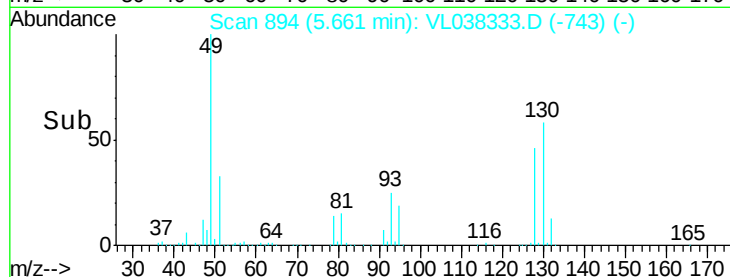
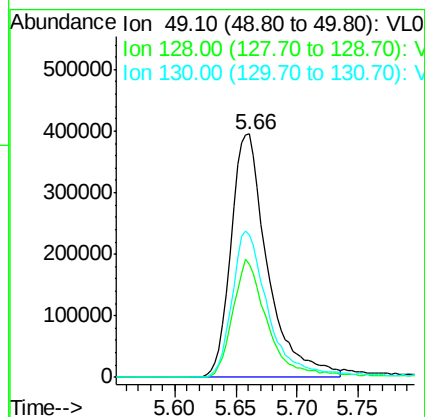
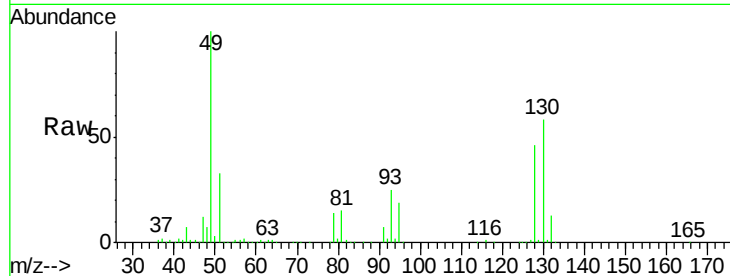
130 60.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/04/2022

Supervised By :Mahesh Dadoda 02/04/2022



#2

Dichlorodifluoromethane

Concen: 0.467 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL038333.D

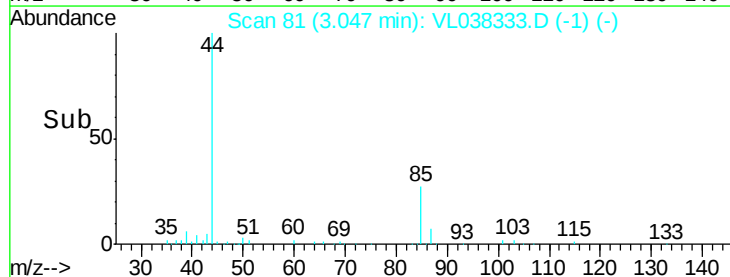
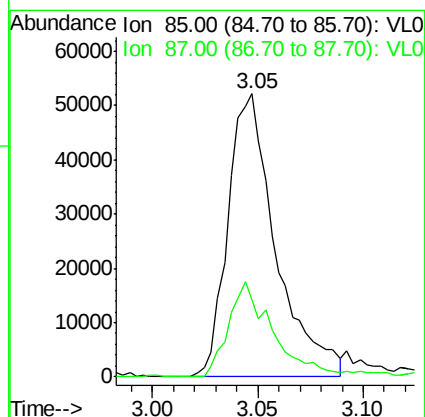
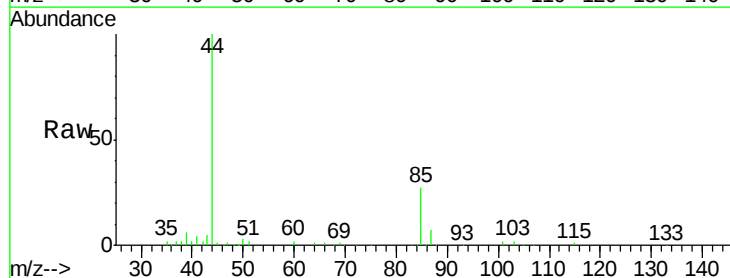
Acq: 3 Feb 2022 14:18

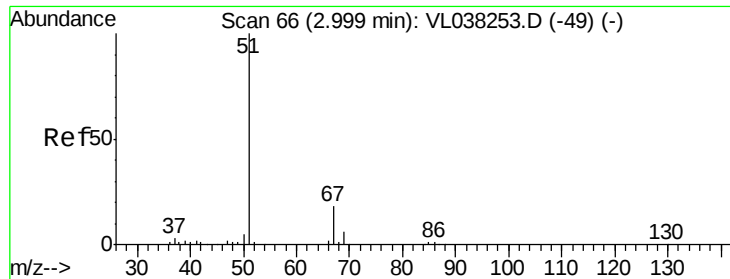
Tgt Ion: 85 Resp: 82236

Ion Ratio Lower Upper

85 100

87 27.1 27.0 40.6





#3

Chlorodifluoromethane

Concen: 0.259 ppbv m

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Feb 2022 14:18

Tgt Ion:

Ion Ratio

51 100

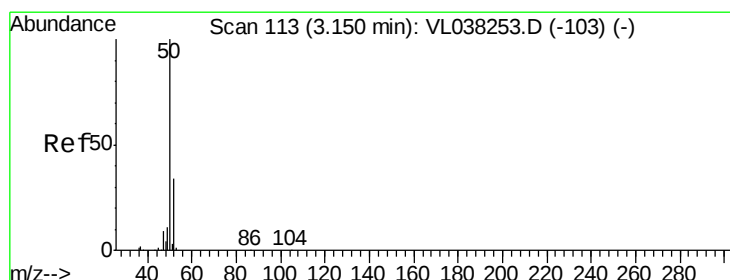
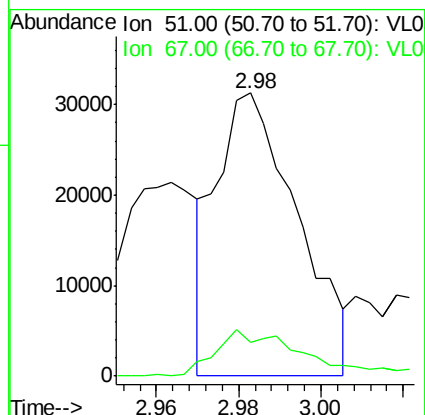
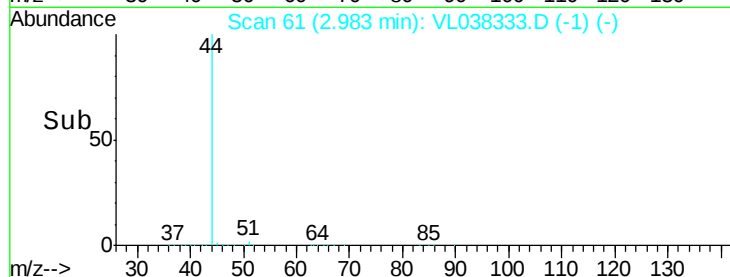
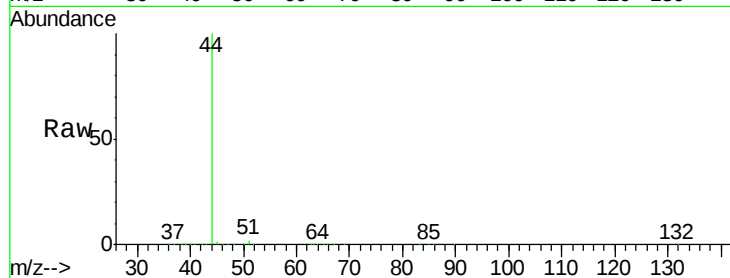
67 19.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/04/2022

Supervised By :Mahesh Dadoda 02/04/2022



#4

Chloromethane

Concen: 0.454 ppbv m

RT: 3.13 min Scan# 108

Delta R.T. -0.02 min

Lab File: VL038333.D

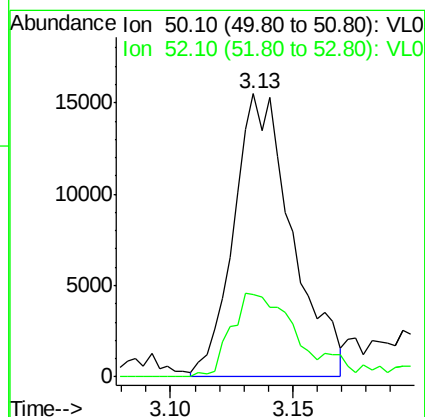
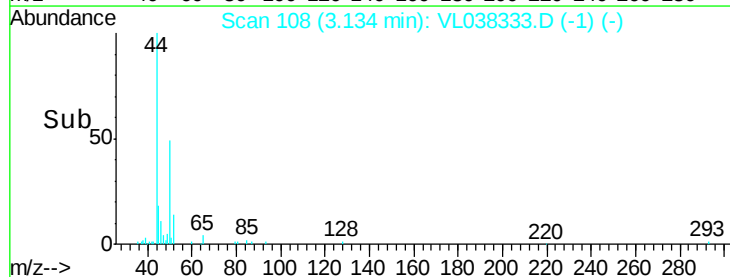
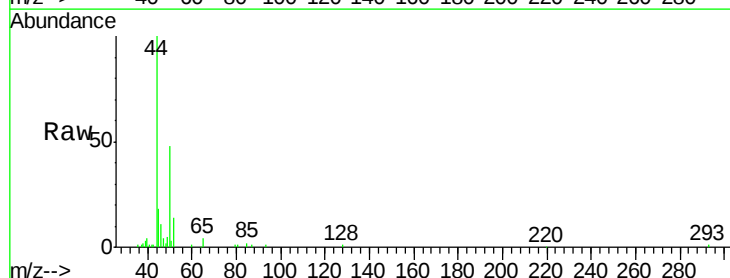
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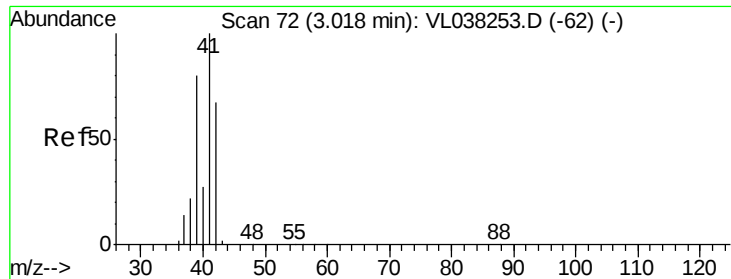
Tgt Ion: 50 Resp: 25752

Ion Ratio Lower Upper

50 100

52 29.3 27.1 40.7



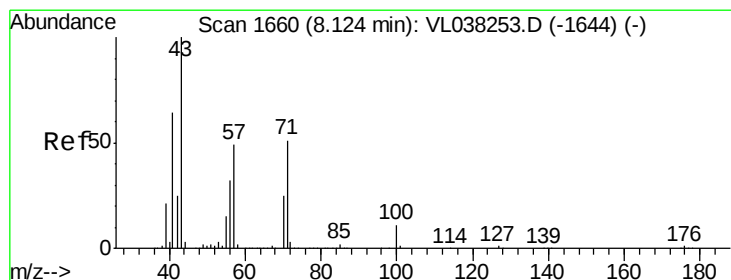
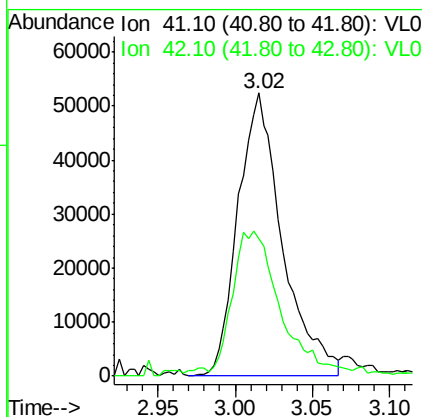
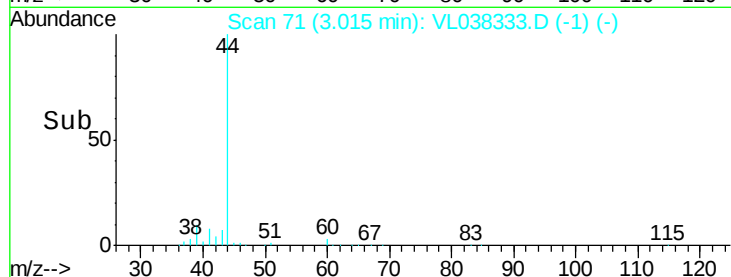
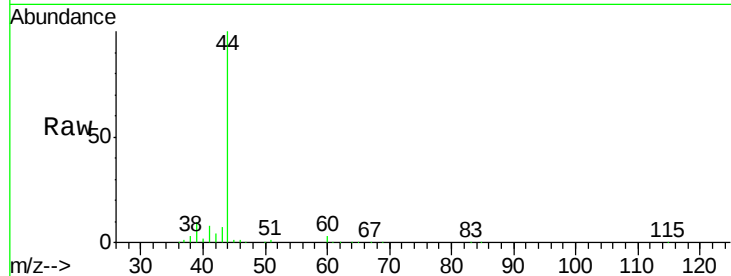


#9
 Propene
 Concen: 1.934 ppbv
 RT: 3.02
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Feb 2022 14:18

Tgt Ion:
 Ion Ratio
 41 100
 42 58.

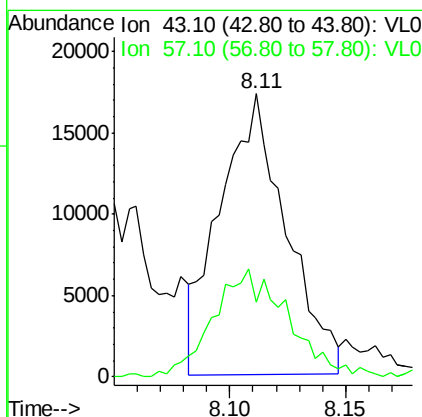
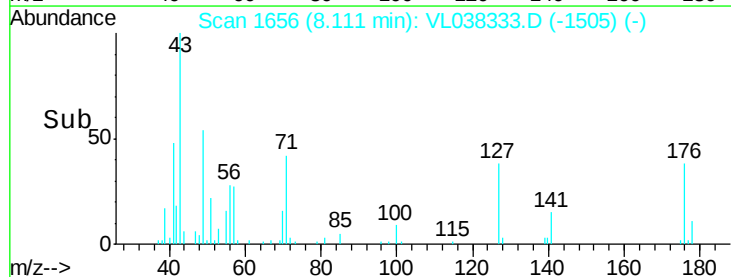
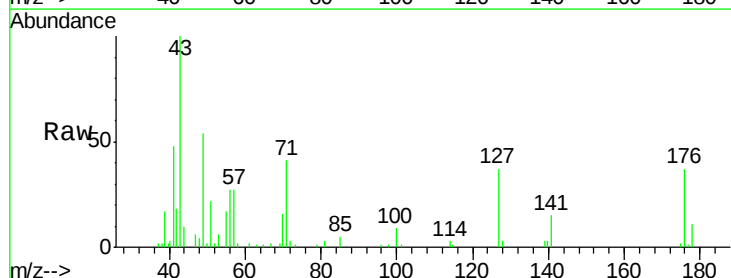
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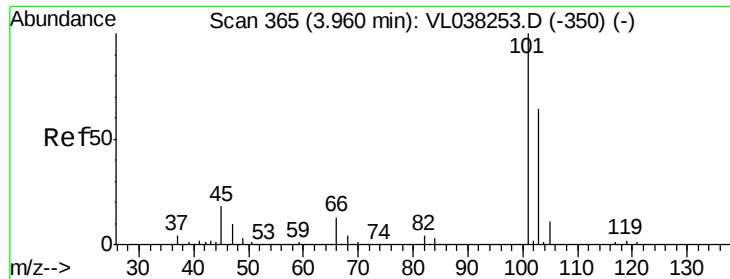
Reviewed By :Semsettin Yesilyurt 02/04/2022
 Supervised By :Mahesh Dadoda 02/04/2022



#10
 Heptane
 Concen: 0.249 ppbv
 RT: 8.11 min Scan# 1656
 Delta R.T. -0.01 min
 Lab File: VL038333.D
 Acq: 3 Feb 2022 14:18

Tgt Ion: 43 Resp: 34315
 Ion Ratio Lower Upper
 43 100
 57 43.8 39.5 59.3



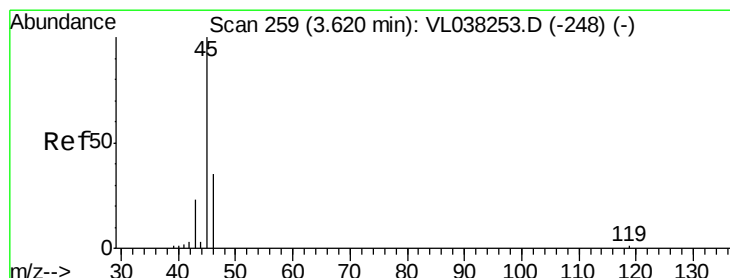
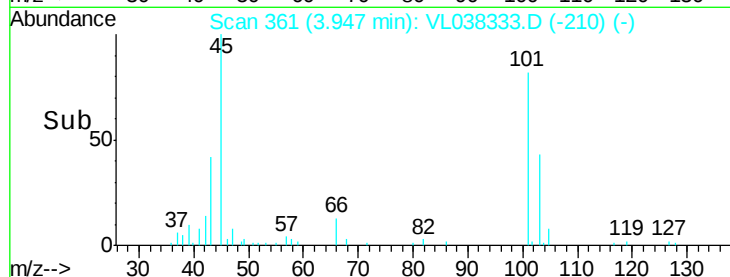
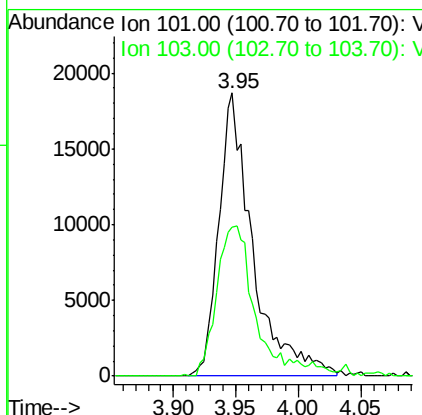
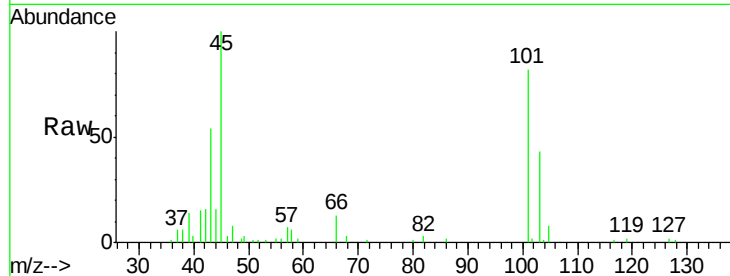


#11
 Trichlorofluoromethane
 Concen: 0.257 ppbv m
 RT: 3.95
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 3 Feb 2022 14:18

Tgt Ion: 101
 Ion Ratio: 100
 103 52.

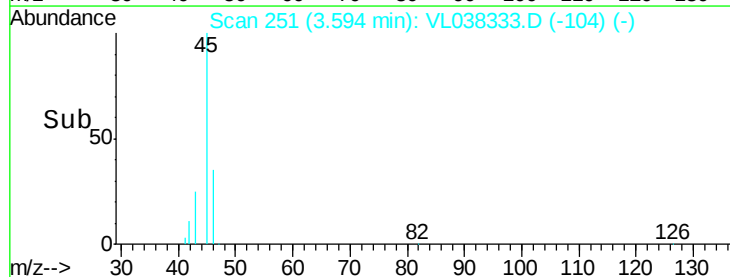
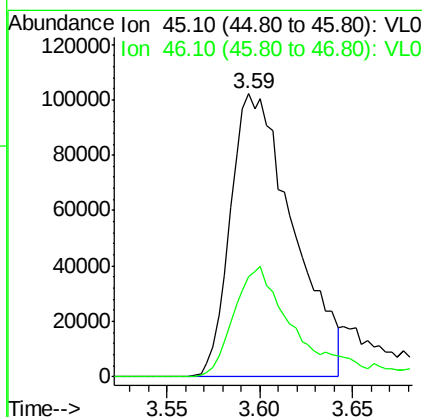
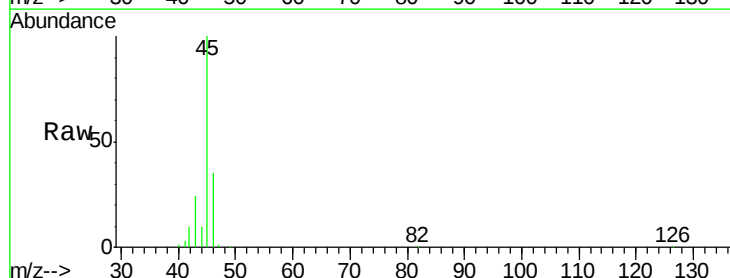
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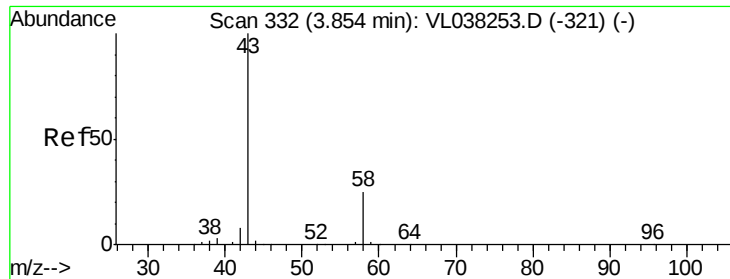
Reviewed By : Semsettin Yesilyurt 02/04/2022
 Supervised By : Mahesh Dadoda 02/04/2022



#13
 Ethanol
 Concen: 41.755 ppbv
 RT: 3.59 min Scan# 251
 Delta R.T. -0.03 min
 Lab File: VL038333.D
 Acq: 3 Feb 2022 14:18

Tgt Ion: 45 Resp: 240484
 Ion Ratio Lower Upper
 45 100
 46 42.5 15.4 61.6





#15

Acetone

Concen: 3.100 ppbv

RT: 3.85

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 3 Feb 2022 14:18

Tgt Ion:

Ion Ratio

43 100

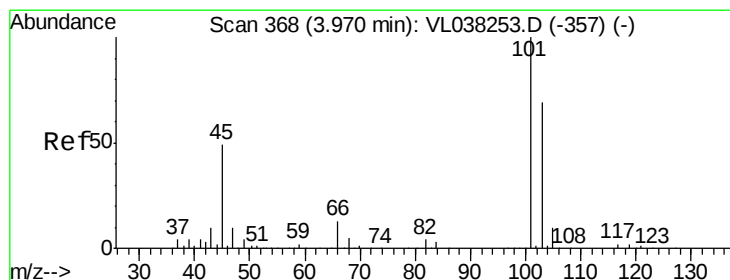
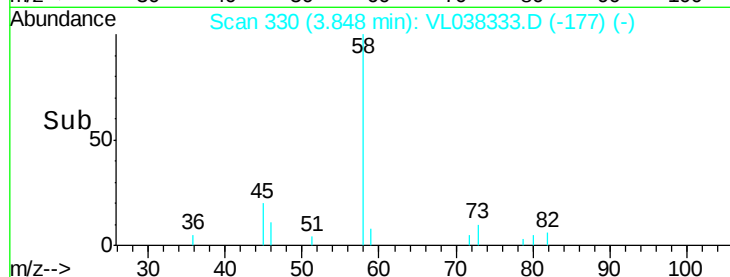
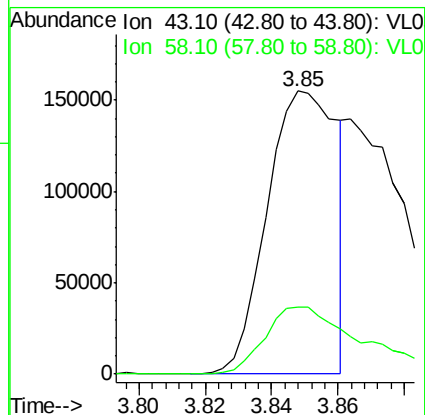
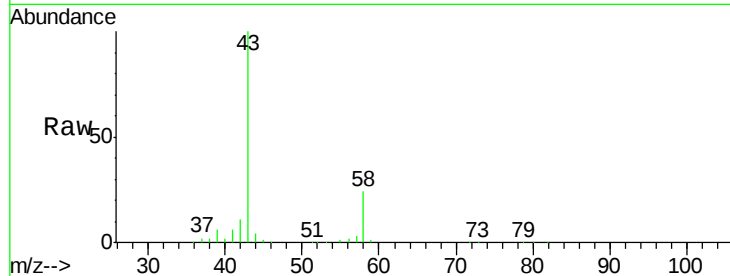
58 36.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2022

Supervised By :Mahesh Dadoda 02/04/2022



#19

Isopropyl Alcohol

Concen: 3.954 ppbv

RT: 3.96 min Scan# 366

Delta R.T. -0.01 min

Lab File: VL038333.D

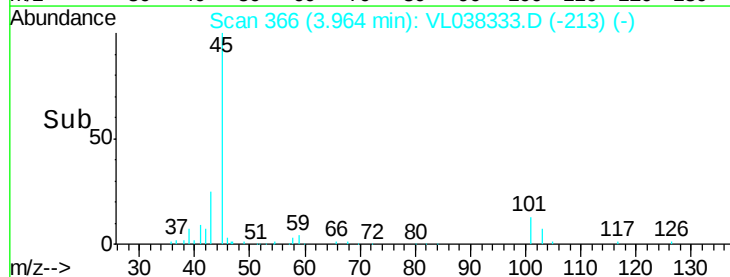
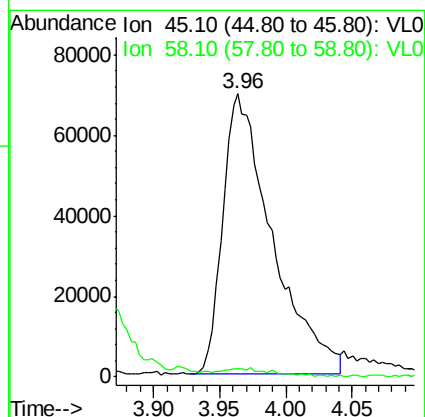
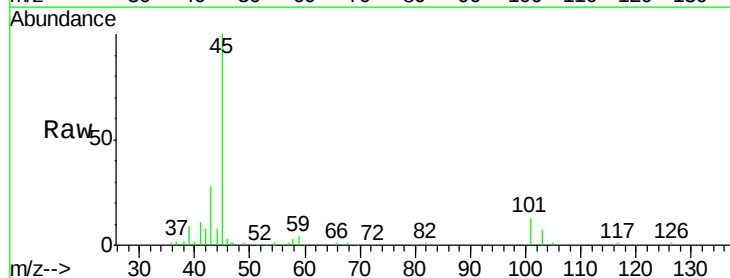
Acq: 3 Feb 2022 14:18

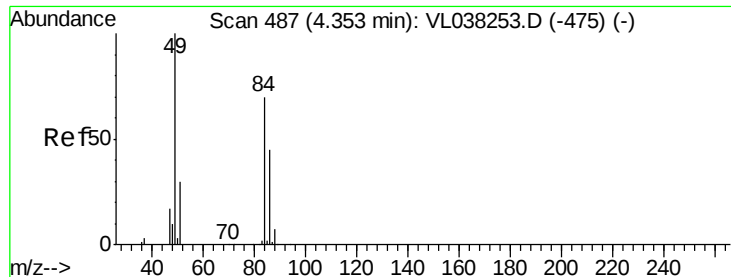
Tgt Ion: 45 Resp: 180534

Ion Ratio Lower Upper

45 100

58 2.7 2.3 3.5



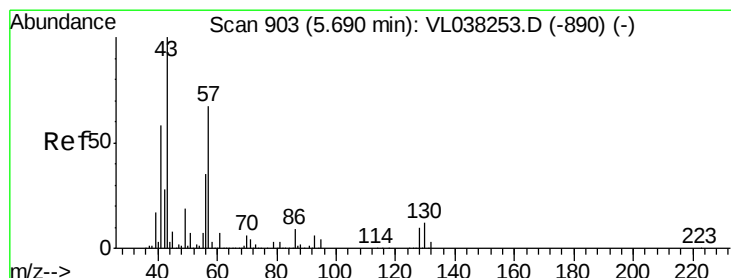
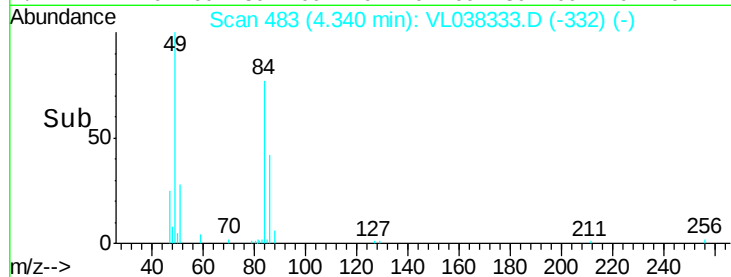
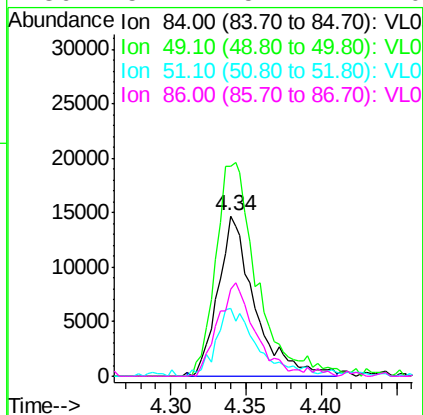
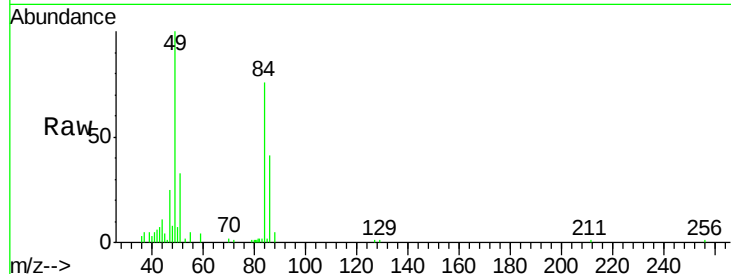


#20
Methylene Chloride
Concen: 0.585 ppbv m
RT: 4.34 Instrument : MSVOA_1
Delta R.T. :
Lab File: ClientSampleId :
Acq: 3 Feb 2022 14:18

Tgt Ion: 84
Ion Ratio: 100
84 100
49 130.
51 42.
86 54.2 51.4 77.0

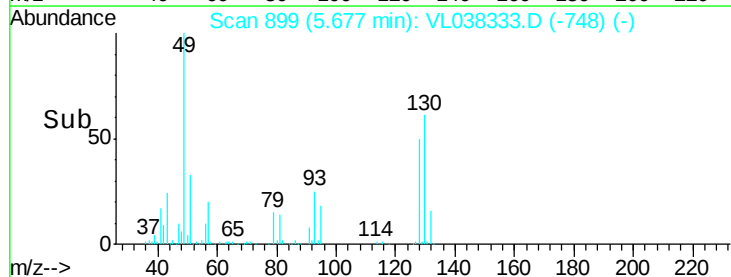
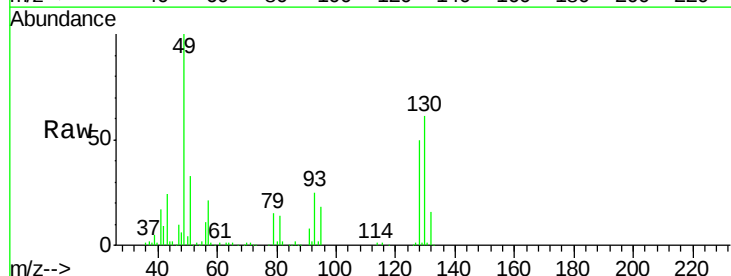
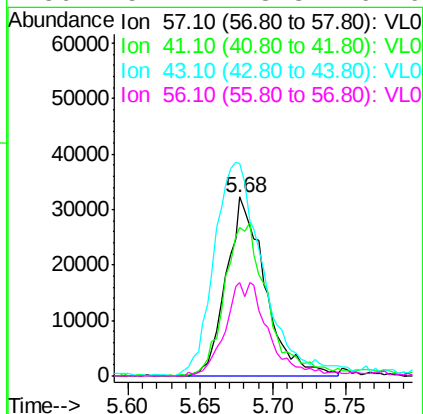
Manual Integrations
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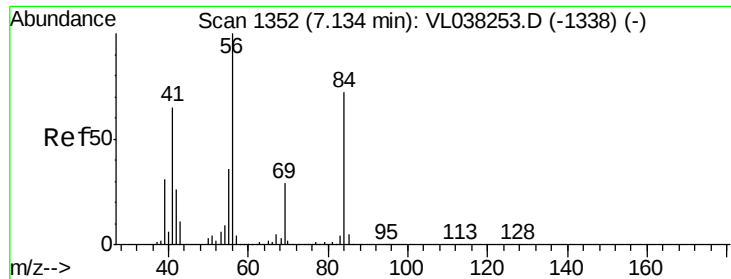
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#26
Hexane
Concen: 0.634 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.01 min
Lab File: VL038333.D
Acq: 3 Feb 2022 14:18

Tgt Ion: 57 Resp: 60279
Ion Ratio Lower Upper
57 100
41 94.8 72.8 109.2
43 156.4 177.0 265.6#
56 57.4 43.3 64.9



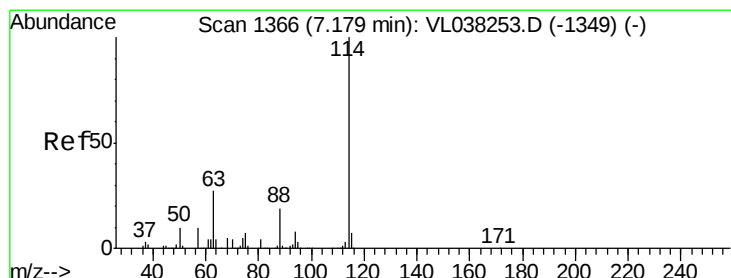
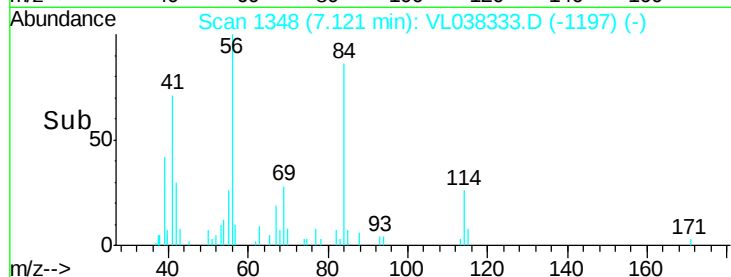
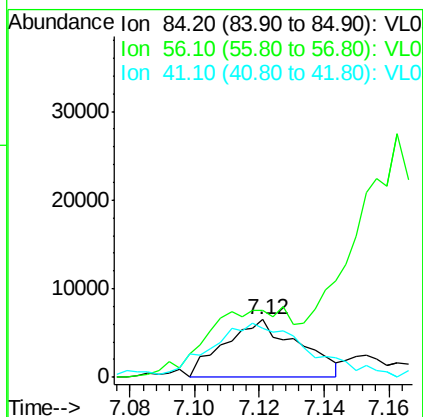
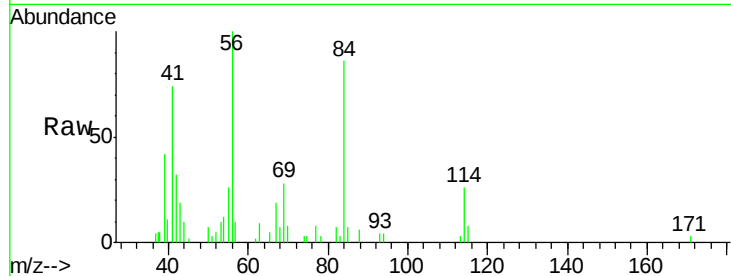


#30
Cyclohexane
Concen: 0.125 ppbv m
RT: 7.12
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Feb 2022 14:18

Tgt Ion:
Ion Ratio
84 100
56 0.
41 135.

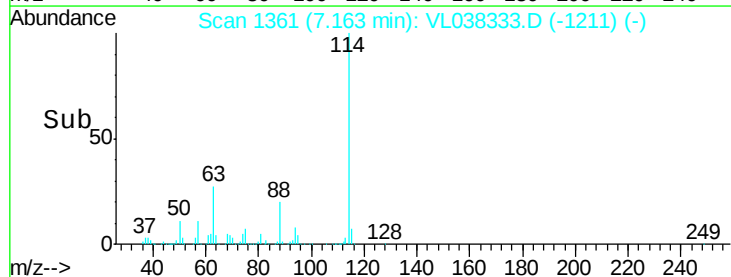
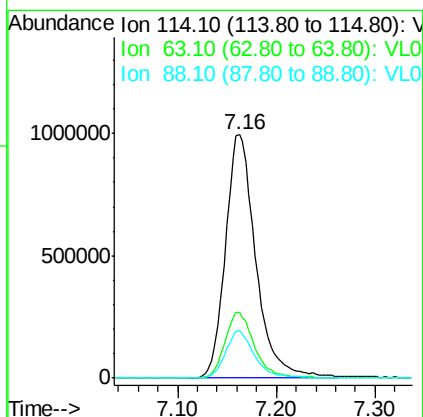
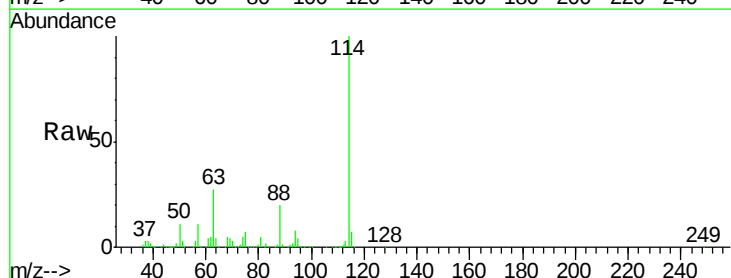
Manual Integrations
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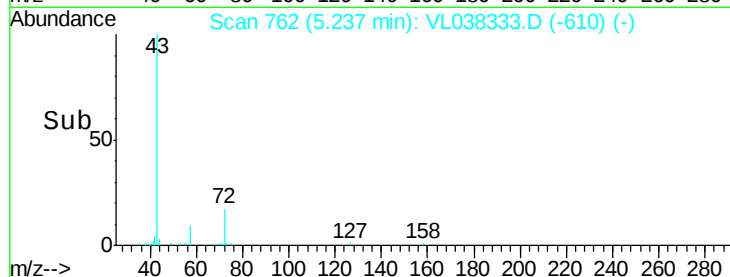
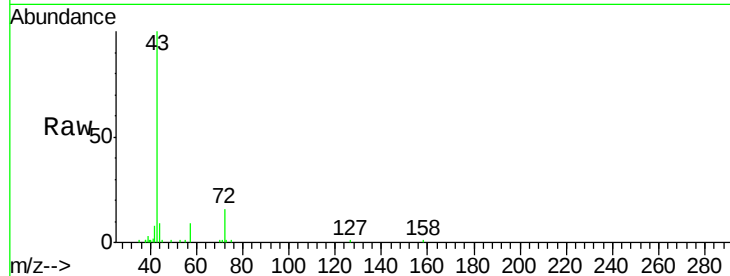
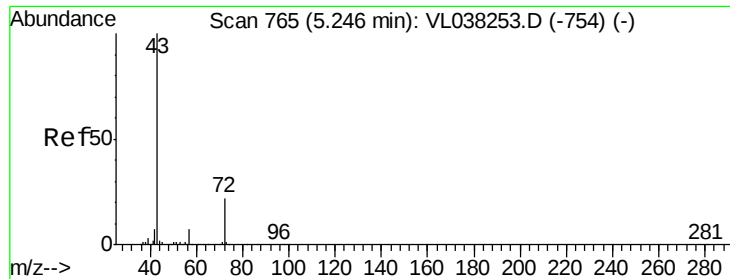
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. -0.02 min
Lab File: VL038333.D
Acq: 3 Feb 2022 14:18

Tgt Ion:114 Resp: 2143247
Ion Ratio Lower Upper
114 100
63 26.8 22.0 33.0
88 18.7 15.0 22.6



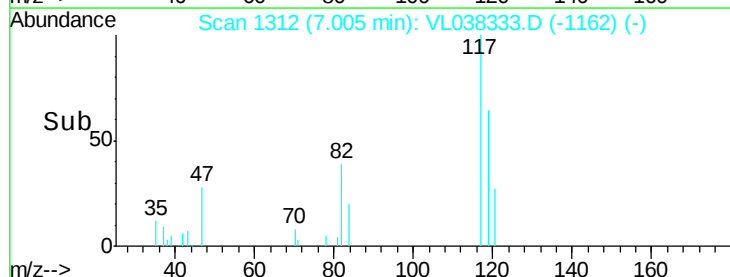
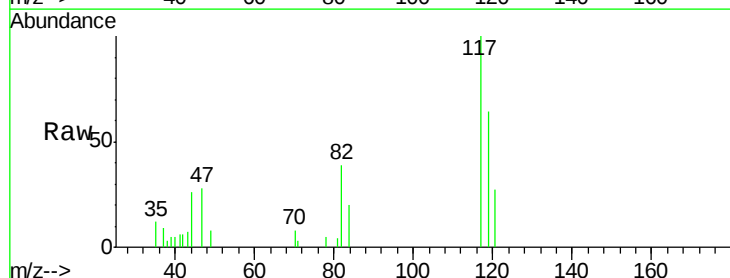
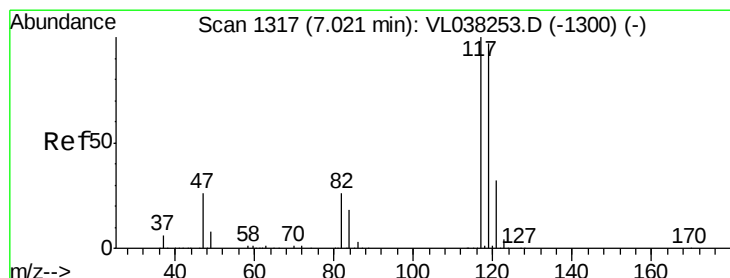
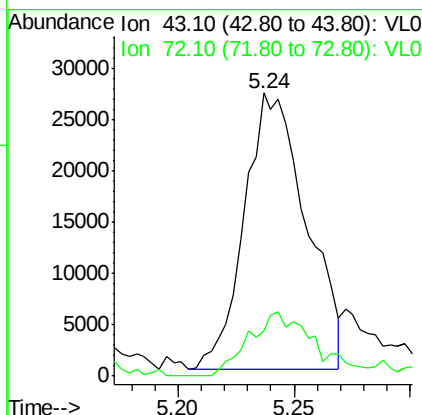


#34
2-Butanone
Concen: 0.711 ppbv
RT: 5.24
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Feb 2022 14:18

Tgt Ion:
Ion Ratio
43 100
72 27.

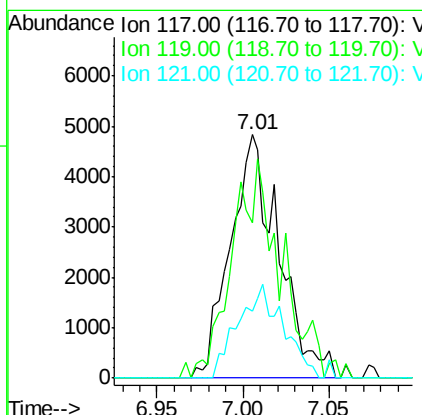
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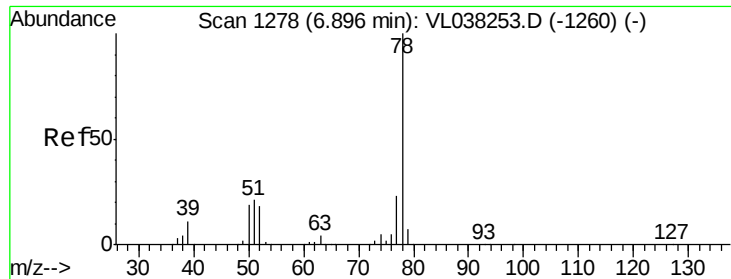
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#35
Carbon Tetrachloride
Concen: 0.062 ppbv m
RT: 7.01 min Scan# 1312
Delta R.T. -0.02 min
Lab File: VL038333.D
Acq: 3 Feb 2022 14:18

Tgt Ion:117 Resp: 9398
Ion Ratio Lower Upper
117 100
119 63.6 77.9 116.9#
121 27.5 25.4 38.2



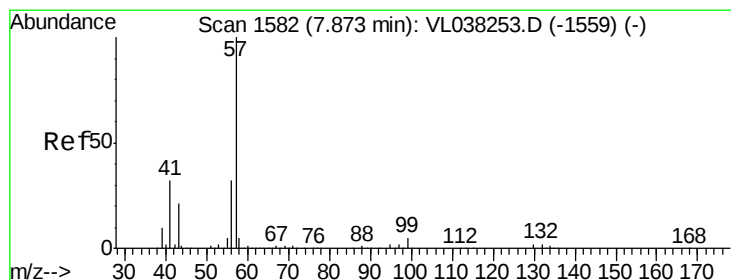
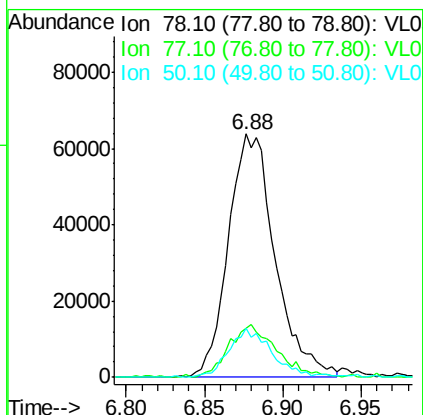
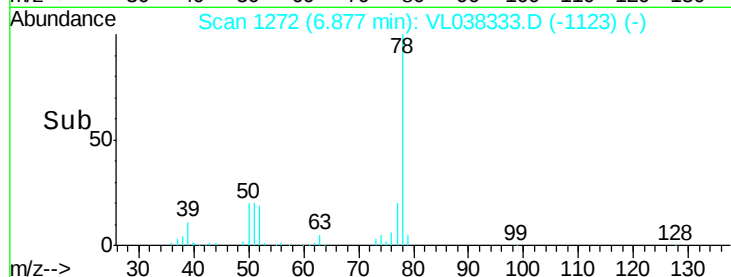
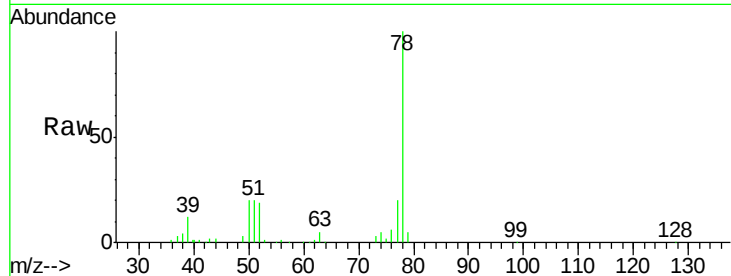


#36
Benzene
Concen: 0.695 ppbv m
RT: 6.88
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 3 Feb 2022 14:18

Tgt Ion:
Ion Ratio
78 100
77 20.
50 20.

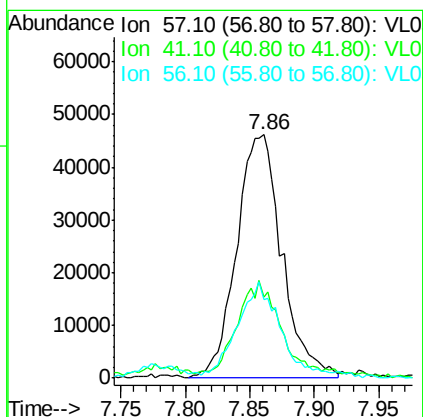
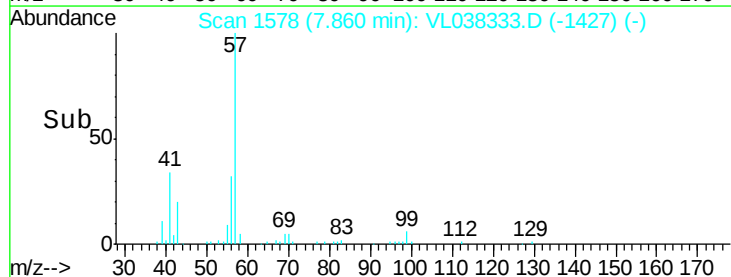
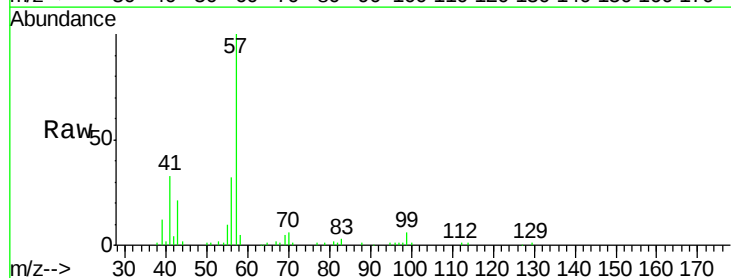
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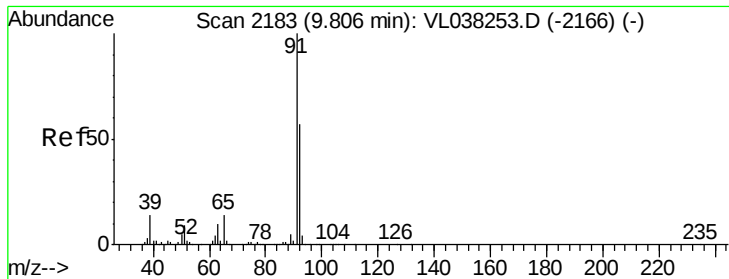
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#44
2,2,4-Trimethylpentane
Concen: 0.339 ppbv
RT: 7.86 min Scan# 1578
Delta R.T. -0.01 min
Lab File: VL038333.D
Acq: 3 Feb 2022 14:18

Tgt Ion: 57 Resp: 113145
Ion Ratio Lower Upper
57 100
41 41.7 26.3 39.5#
56 39.1 25.2 37.8#



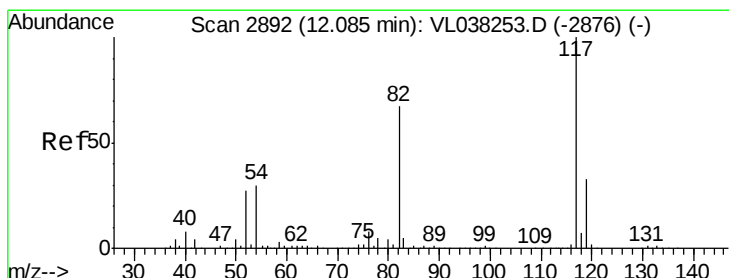
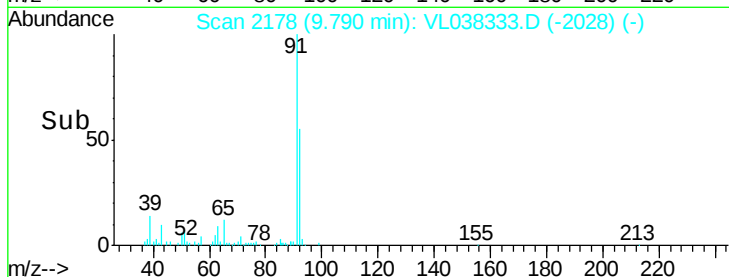
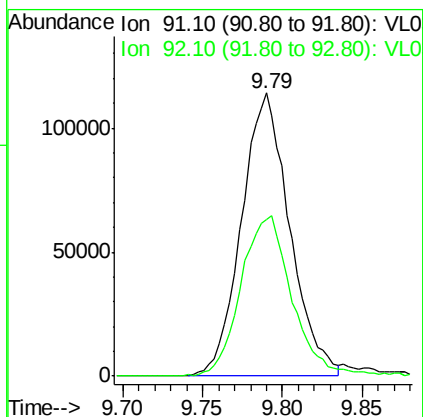
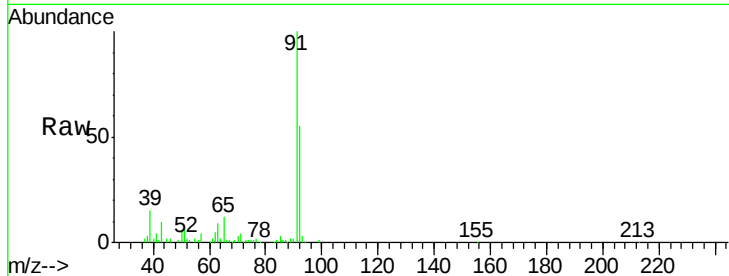


#53
Toluene
Concen: 1.125 ppbv
RT: 9.79
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Feb 2022 14:18

Tgt Ion:
Ion Ratio
91 100
92 60.

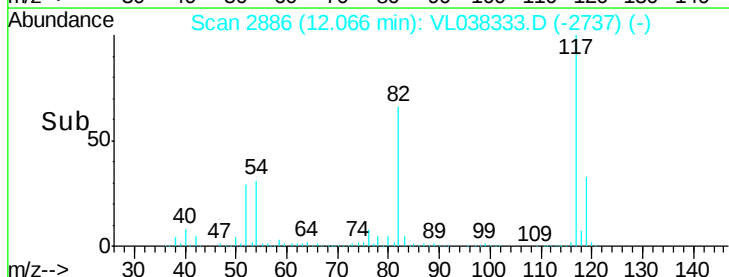
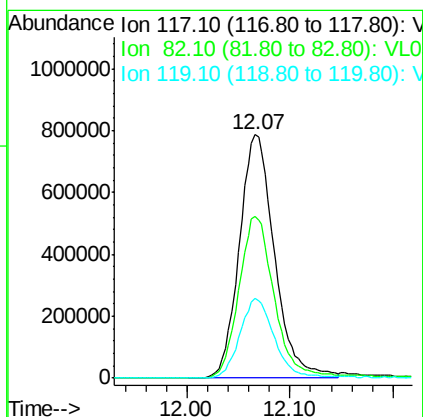
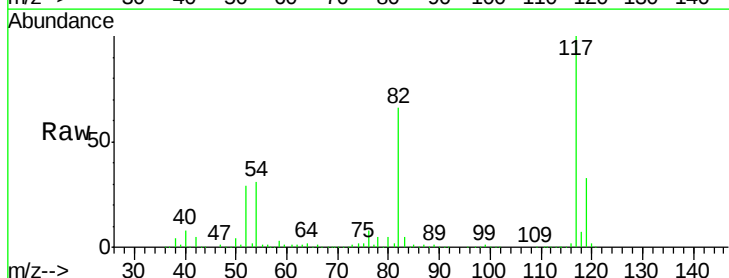
Manual Integrations
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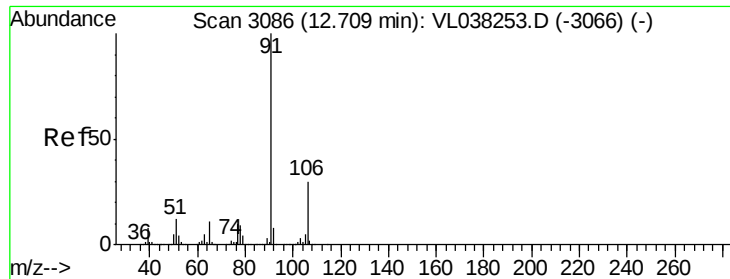
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.02 min
Lab File: VL038333.D
Acq: 3 Feb 2022 14:18

Tgt Ion:117 Resp: 1869378
Ion Ratio Lower Upper
117 100
82 68.8 54.4 81.6
119 32.6 45.9 68.9#





#58

Ethyl Benzene

Concen: 0.201 ppbv

RT: 12.69

Delta R.T. MSVOA_L

Lab File:

Acq: 3 Feb 2022 14:18

ClientSampleId :

OA1

Tgt Ion:

Ion Ratio

91 100

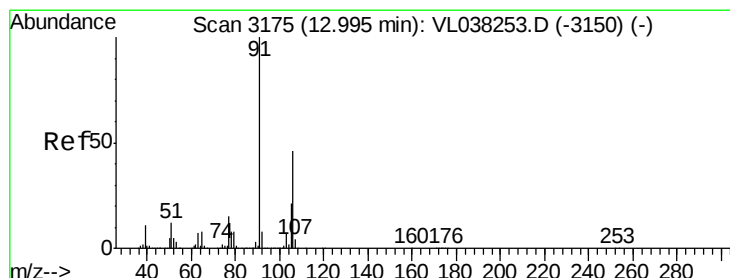
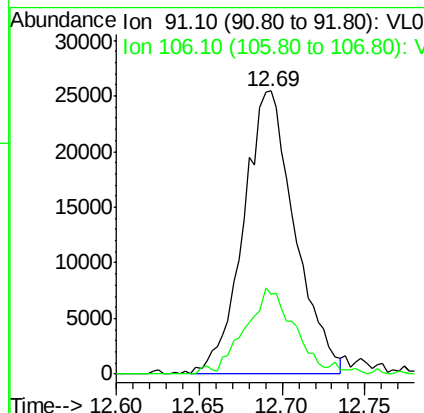
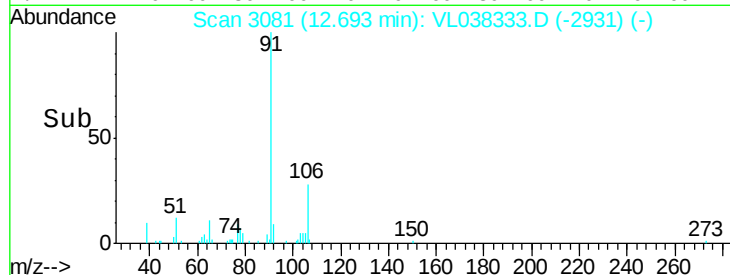
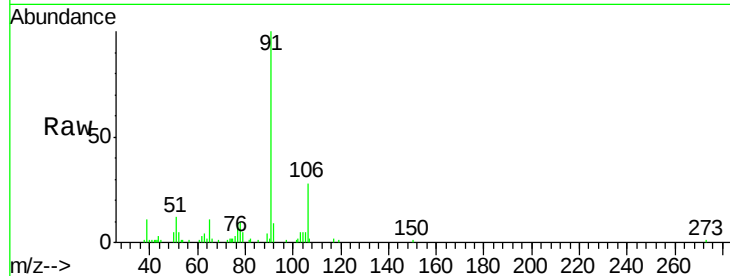
106 28.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/04/2022

Supervised By :Mahesh Dadoda 02/04/2022



#59

m/p-Xylene

Concen: 0.713 ppbv m

RT: 12.95 min Scan# 3160

Delta R.T. -0.05 min

Lab File: VL038333.D

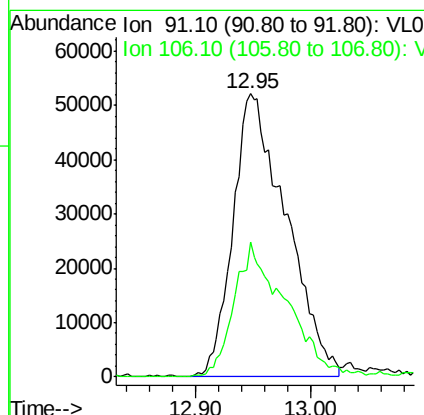
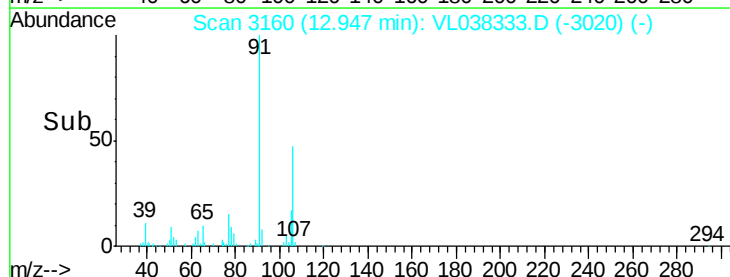
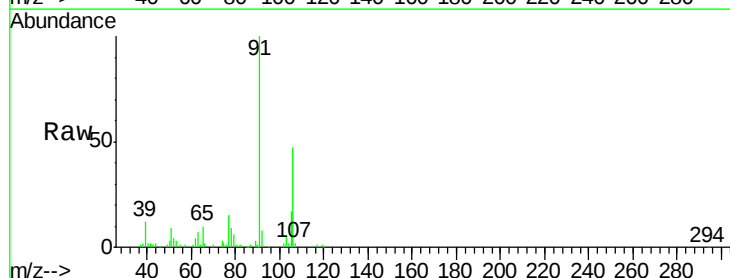
Acq: 3 Feb 2022 14:18

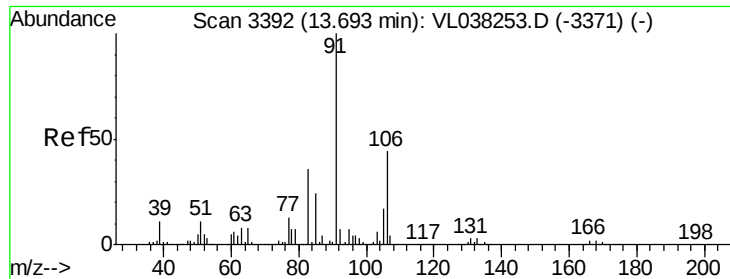
Tgt Ion: 91 Resp: 167036

Ion Ratio Lower Upper

91 100

106 0.0 34.8 52.2#



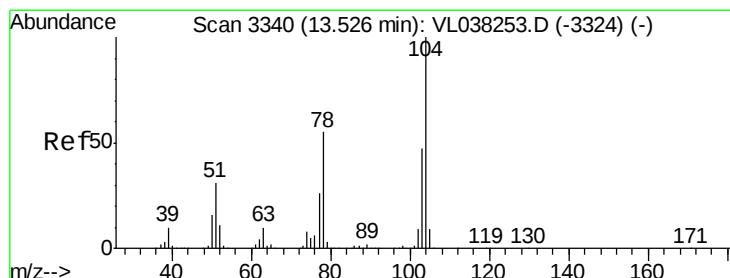
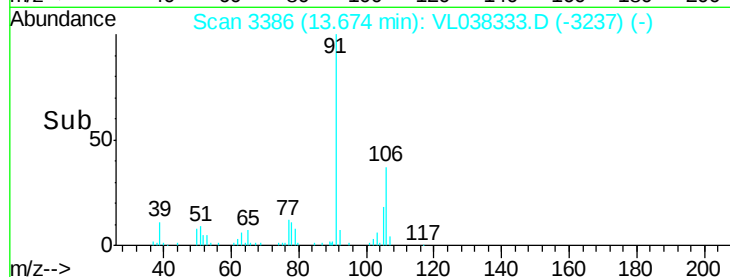
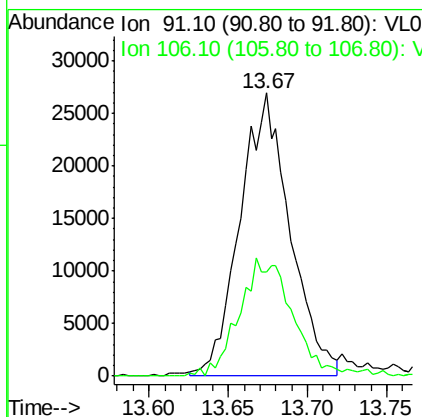
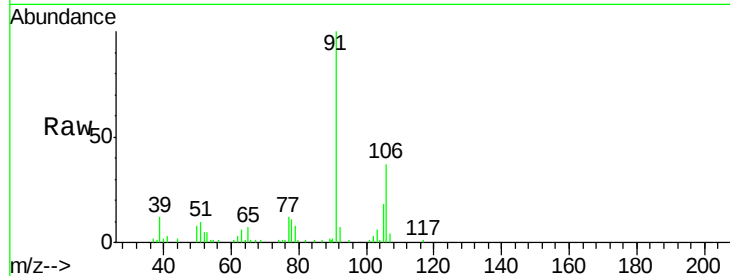


#60
o-Xylene
Concen: 0.275 ppbv m
RT: 13.67
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 3 Feb 2022 14:18

Tgt Ion:
Ion Ratio
91 100
106 0.

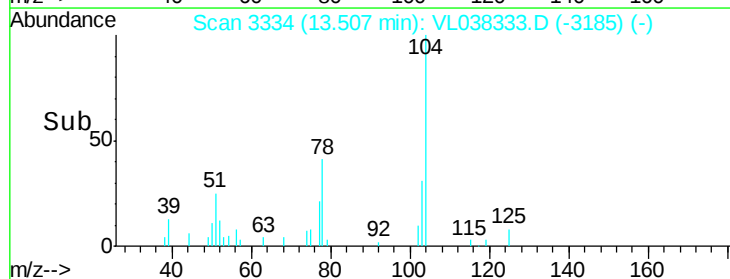
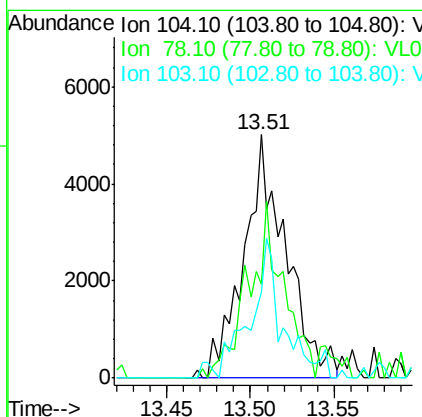
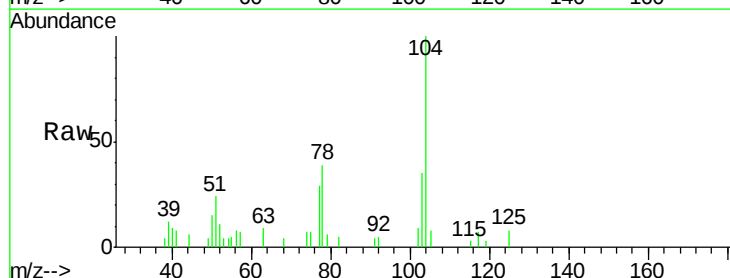
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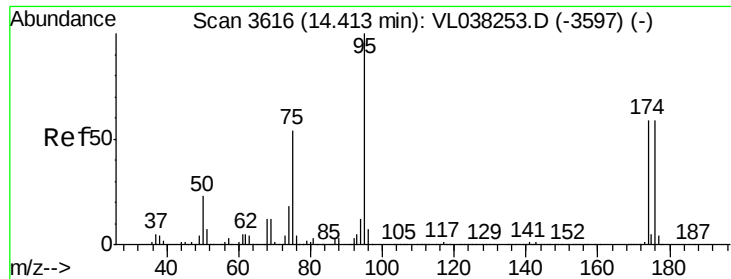
Reviewed By :Semsettin Yesilyurt 02/04/2022
Supervised By :Mahesh Dadoda 02/04/2022



#61
Styrene
Concen: 0.087 ppbv m
RT: 13.51 min Scan# 3334
Delta R.T. -0.02 min
Lab File: VL038333.D
Acq: 3 Feb 2022 14:18

Tgt Ion:104 Resp: 8824
Ion Ratio Lower Upper
104 100
78 66.6 44.2 66.4#
103 47.8 38.2 57.4



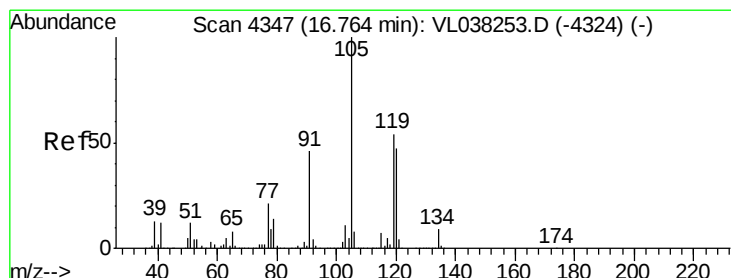
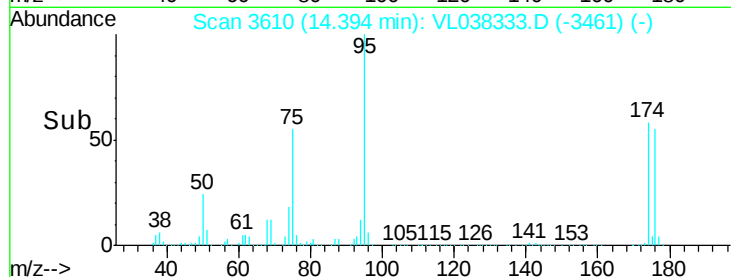
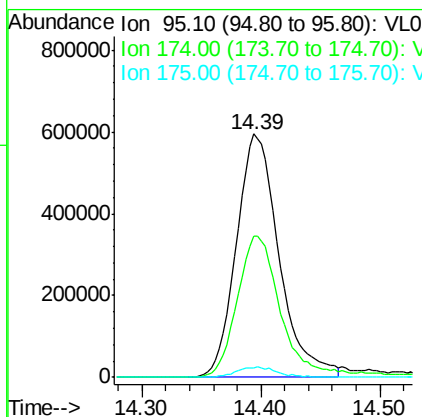
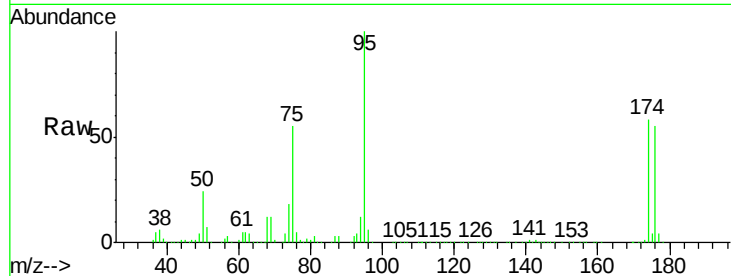


#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.421 ppbv
 RT: 14.39 min
 Delta R.T.: 0.02 min
 Lab File: VL038253.D
 Acq: 3 Feb 2022 14:18

Tgt Ion: 95
 Ion Ratio: 100
 174 61.1
 175 4.1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/04/2022
 Supervised By : Mahesh Dadoda 02/04/2022



#74
 1,2,4-Trimethylbenzene
 Concen: 0.238 ppbv m
 RT: 16.74 min Scan# 4340
 Delta R.T.: -0.02 min
 Lab File: VL038333.D
 Acq: 3 Feb 2022 14:18

Tgt Ion: 105 Resp: 51361
 Ion Ratio Lower Upper
 105 100
 120 38.3 37.2 55.8
 91 13.9 36.6 55.0#
 77 17.8 16.9 25.3

