

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
 Data File : VL038308.D
 Acq On : 27 Jan 2022 22:33
 Operator : SY/AP
 Sample : N1300-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-20

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/29/2022
 Supervised By : Amit Patel 02/02/2022

Quant Time: Jan 28 15:23:02 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	793441	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	1947764	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1659901	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1269989	10.08	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	66146	0.392	ppbv	100
4) Chloromethane	3.13	50	20599	0.379	ppbv	94
9) Propene	3.01	41	66669	1.297	ppbv	88
10) Heptane	8.11	43	18925	0.143	ppbv	98
11) Trichlorofluoromethane	3.94	101	27587m	0.210	ppbv	
13) Ethanol	3.60	45	5666173	1026.496	ppbv	98
15) Acetone	3.85	43	336639m	4.813	ppbv	
19) Isopropyl Alcohol	3.97	45	310916	7.106	ppbv	99
20) Methylene Chloride	4.34	84	62398	1.534	ppbv	97
26) Hexane	5.68	57	75666	0.831	ppbv #	51
29) Chloroform	5.74	83	76424	0.514	ppbv	100
34) 2-Butanone	5.24	43	31504m	0.495	ppbv	
35) Carbon Tetrachloride	7.01	117	10335m	0.076	ppbv	
36) Benzene	6.88	78	56332	0.327	ppbv #	96
38) Trichloroethene	7.83	130	10816m	0.169	ppbv	
44) 2,2,4-Trimethylpentane	7.86	57	51224m	0.169	ppbv	
53) Toluene	9.79	91	89002	0.467	ppbv	99
59) m/p-Xylene	12.94	91	50502m	0.243	ppbv	
60) o-Xylene	13.67	91	20972m	0.108	ppbv	

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

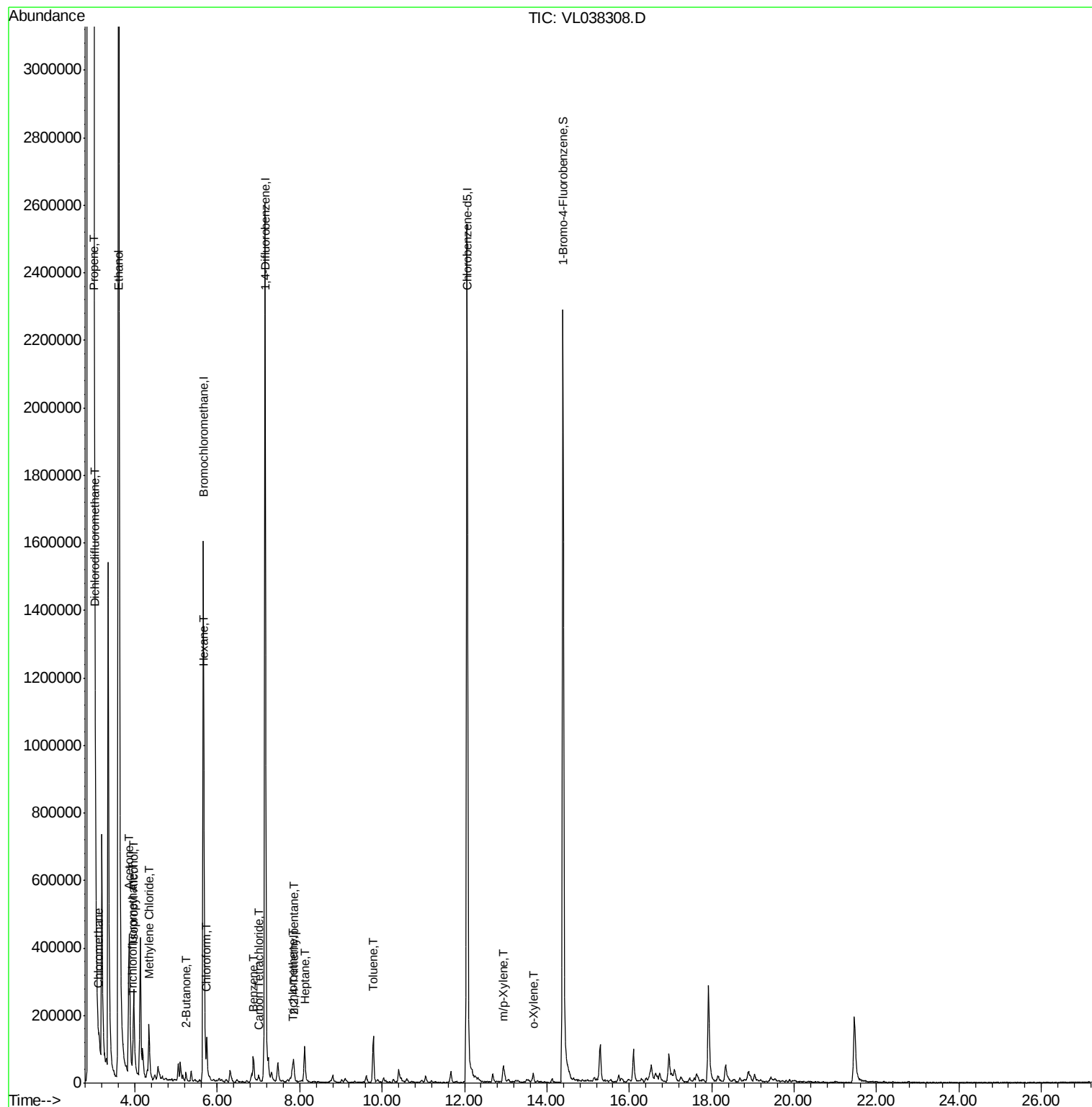
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL012722\
Data File : VL038308.D
Acq On : 27 Jan 2022 22:33
Operator : SY/AP
Sample : N1300-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

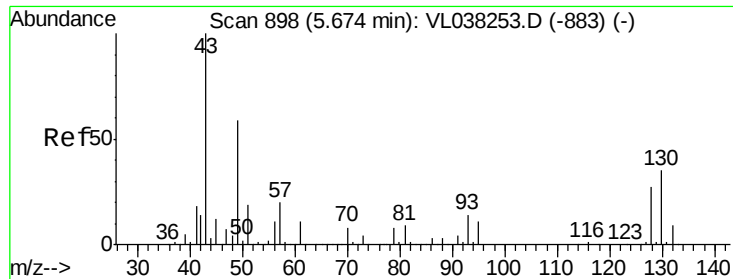
Instrument :
MSVOA_L
ClientSampleId :
IA-20

Quant Time: Jan 28 15:23:02 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
Response via : Initial Calibration

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Supervised By :Amit Patel 02/02/2022





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jan 2022 22:33

Tgt Ion:

Ion Ratio

49 100

128 44.

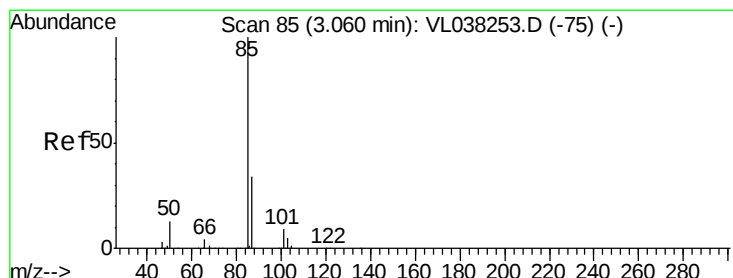
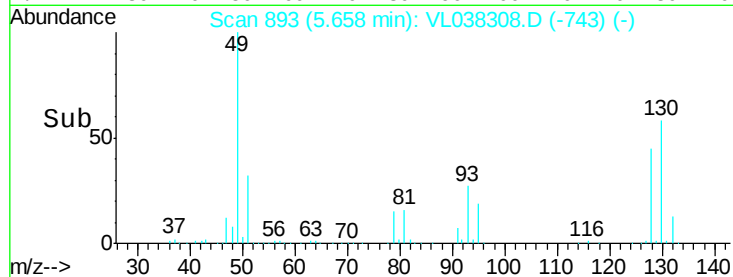
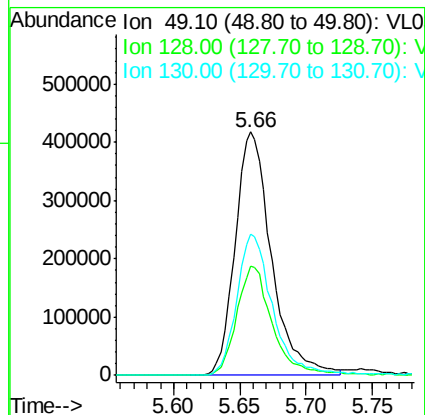
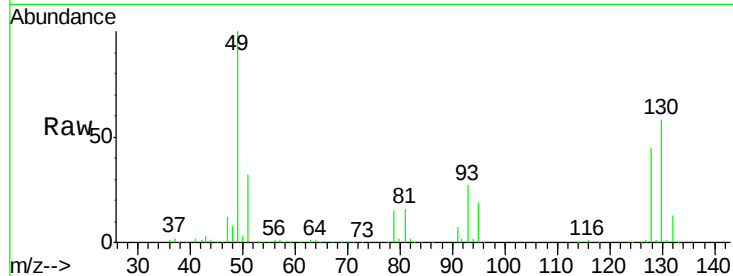
130 58.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/29/2022

Supervised By :Amit Patel 02/02/2022



#2

Dichlorodifluoromethane

Concen: 0.392 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.02 min

Lab File: VL038308.D

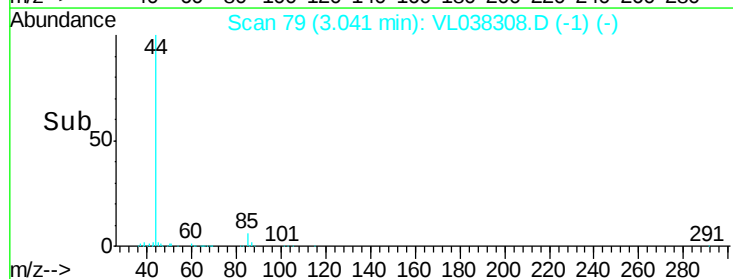
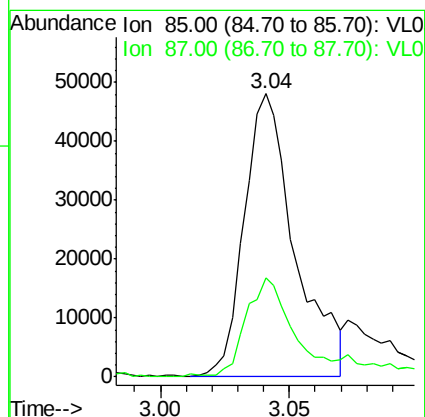
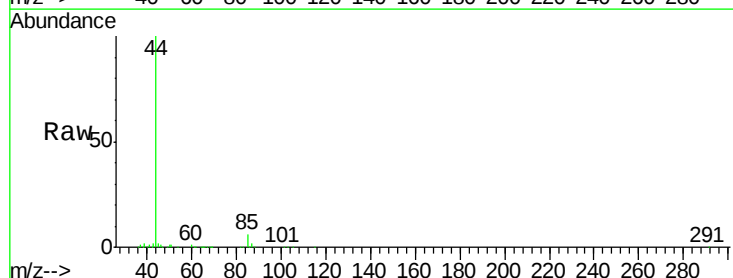
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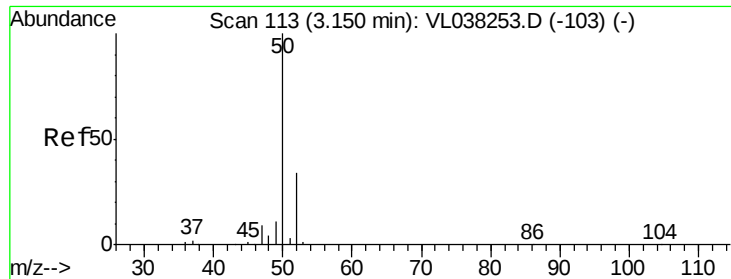
Tgt Ion: 85 Resp: 66146

Ion Ratio Lower Upper

85 100

87 33.9 27.0 40.6





#4

Chloromethane

Concen: 0.379 ppbv

RT: 3.13 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 27 Jan 2022 22:33

Tgt Ion:

Ion Ratio

50 100

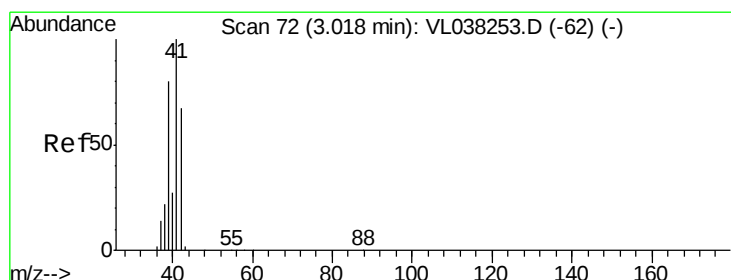
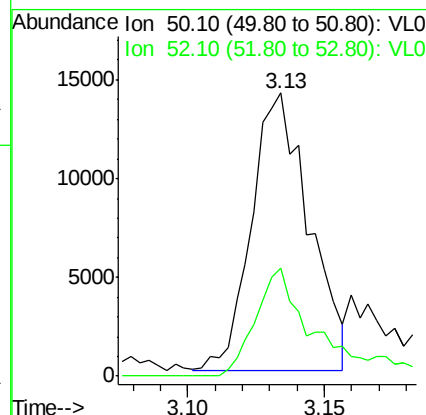
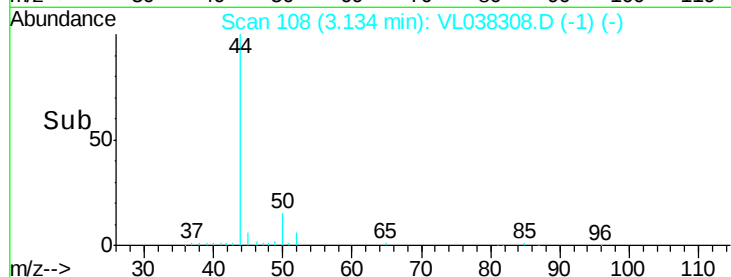
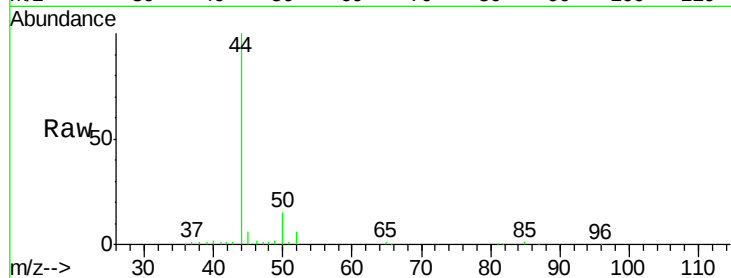
52 37.

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/29/2022

Supervised By :Amit Patel 02/02/2022



#9

Propene

Concen: 1.297 ppbv

RT: 3.01 min Scan# 70

Delta R.T. -0.01 min

Lab File: VL038308.D

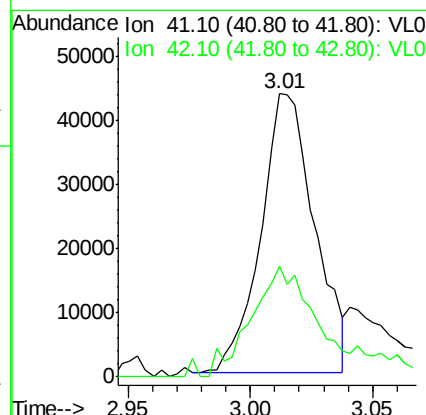
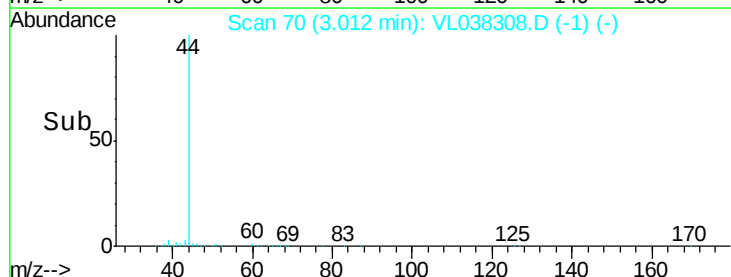
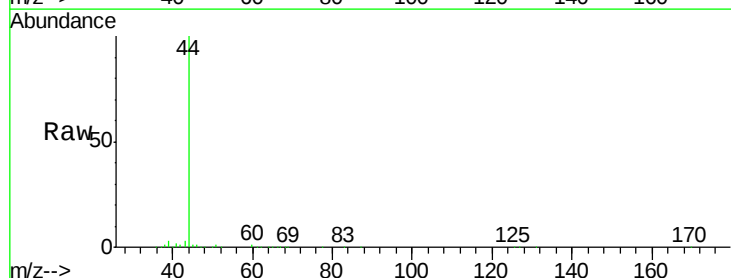
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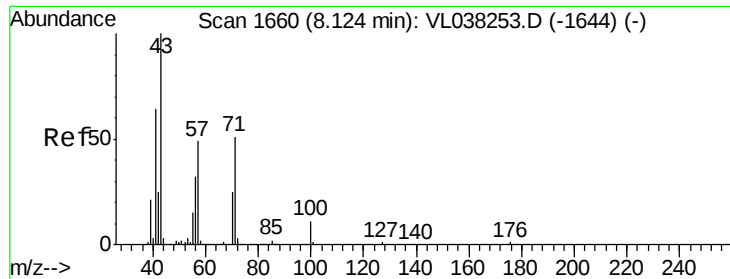
Tgt Ion: 41 Resp: 66669

Ion Ratio Lower Upper

41 100

42 59.2 54.9 82.3



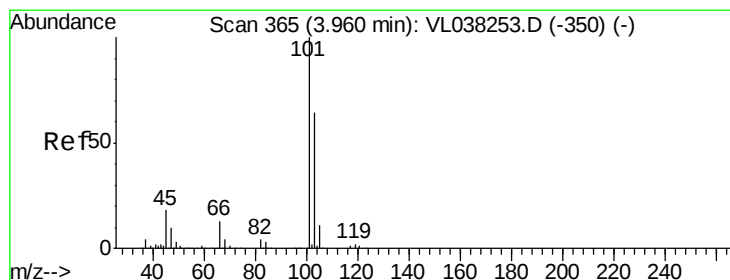
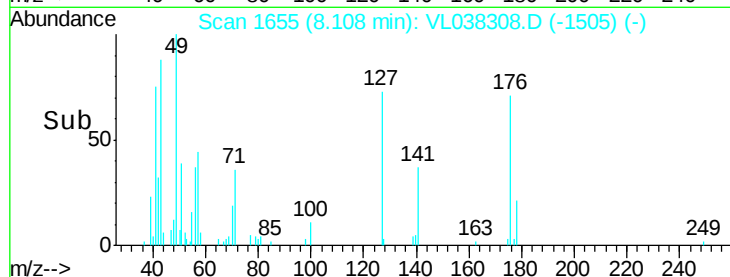
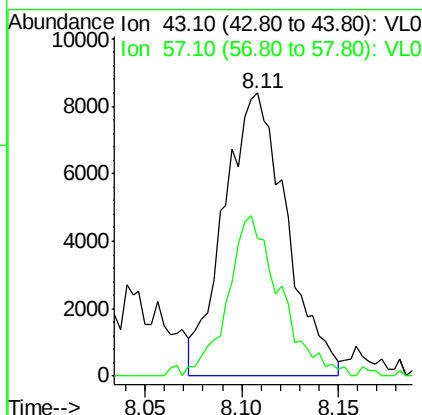
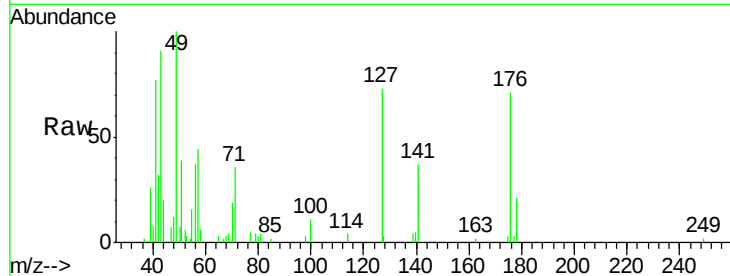


#10
 Heptane
 Concen: 0.143 ppbv
 RT: 8.11
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Jan 2022 22:33

Tgt Ion:
 Ion Ratio
 43 100
 57 48.

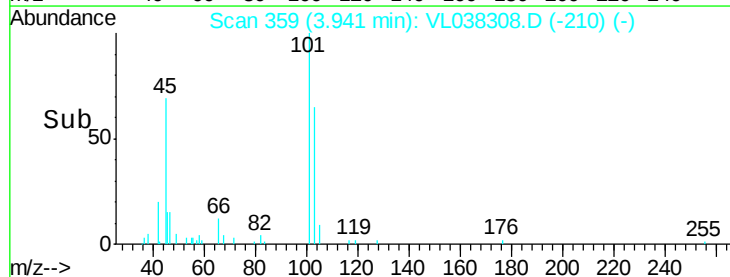
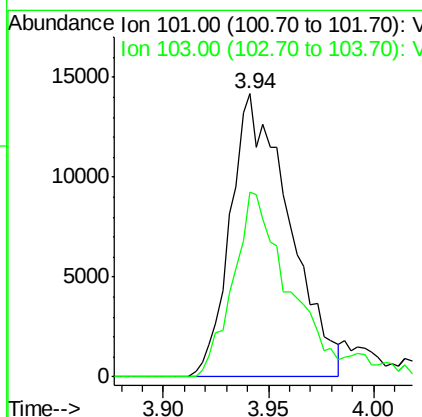
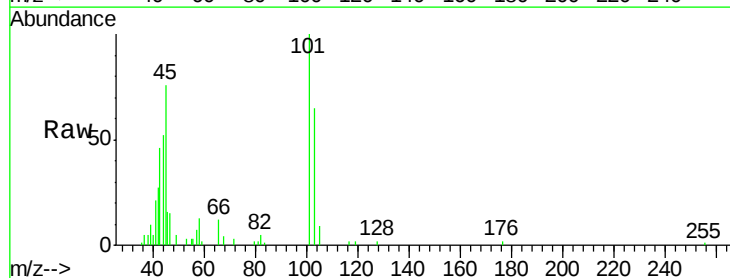
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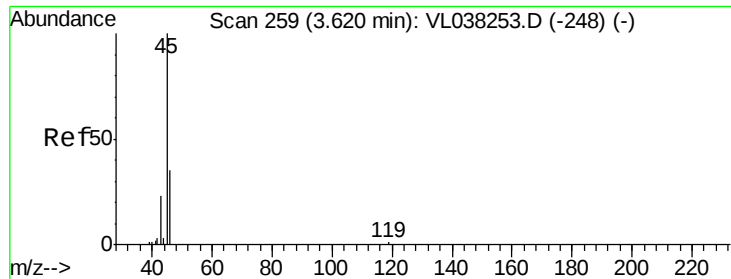
Reviewed By :Semsettin Yesilyurt 01/29/2022
 Supervised By :Amit Patel 02/02/2022



#11
 Trichlorofluoromethane
 Concen: 0.210 ppbv m
 RT: 3.94 min Scan# 359
 Delta R.T. -0.02 min
 Lab File: VL038308.D
 Acq: 27 Jan 2022 22:33

Tgt Ion:101 Resp: 27587
 Ion Ratio Lower Upper
 101 100
 103 65.2 51.2 76.8



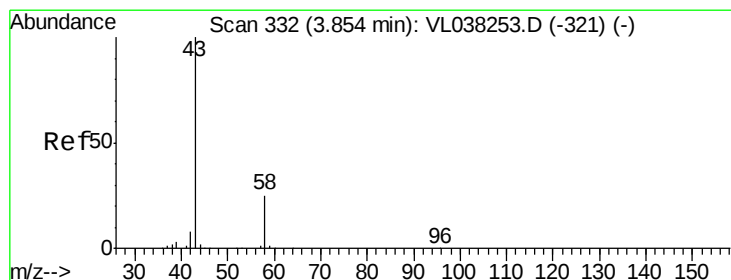
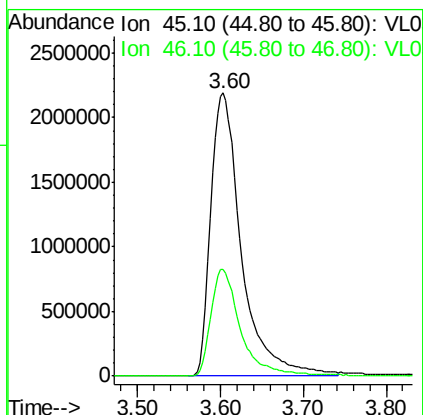
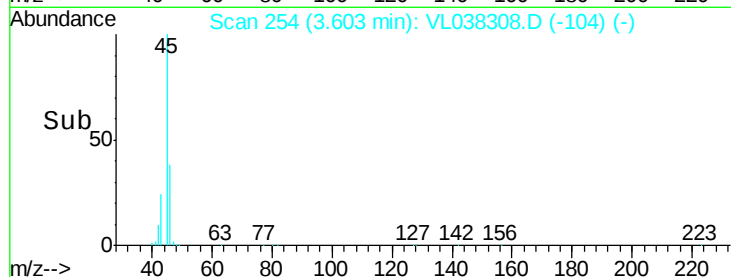
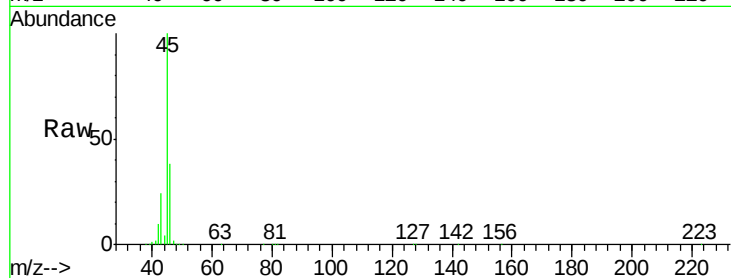


#13
Ethanol
Concen: 1026.496 ppbv
RT: 3.60
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jan 2022 22:33

Tgt Ion:
Ion Ratio
45 100
46 37.

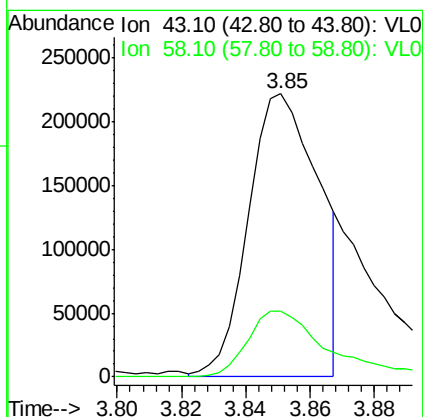
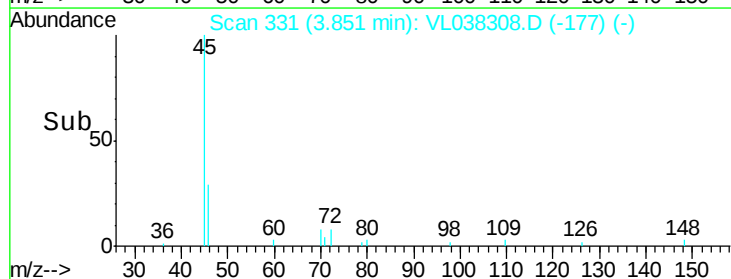
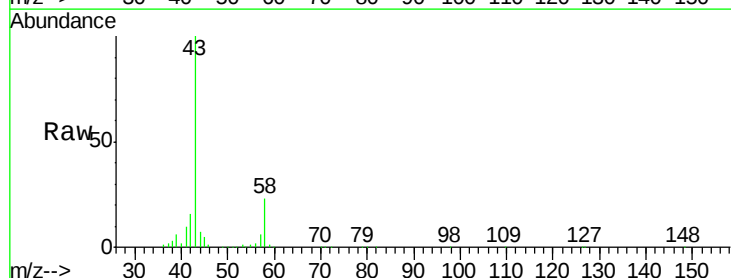
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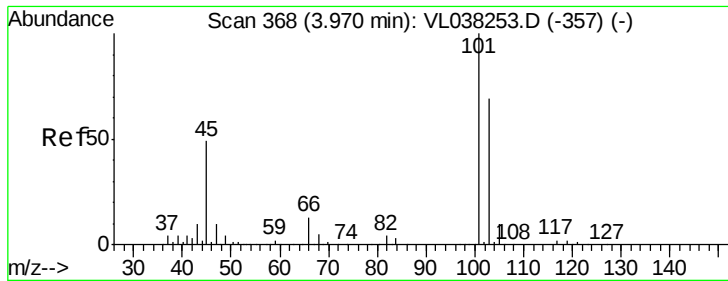
Reviewed By :Semsettin Yesilyurt 01/29/2022
Supervised By :Amit Patel 02/02/2022



#15
Acetone
Concen: 4.813 ppbv m
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL038308.D
Acq: 27 Jan 2022 22:33

Tgt Ion: 43 Resp: 336639
Ion Ratio Lower Upper
43 100
58 27.4 21.5 32.3



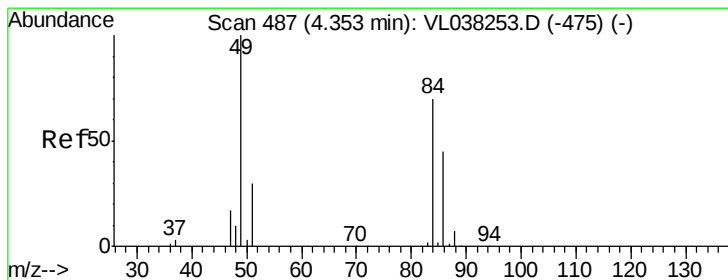
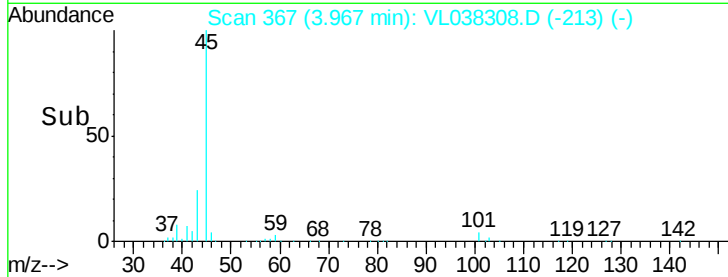
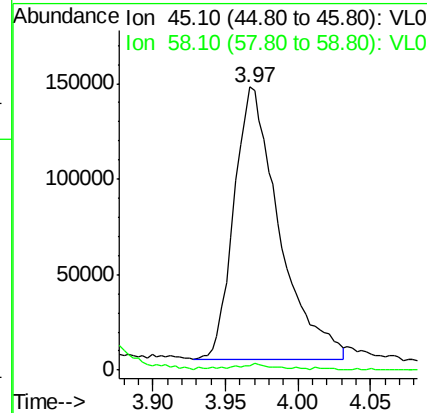
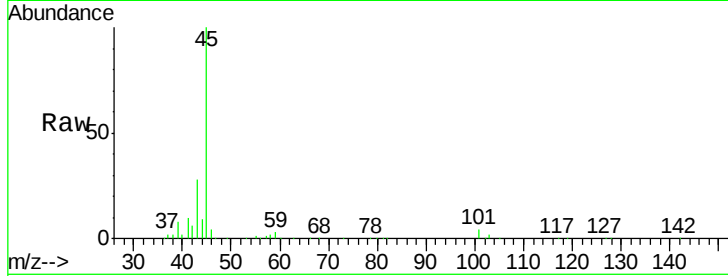


#19
Isopropyl Alcohol
Concen: 7.106 ppbv
RT: 3.97 min
Delta R.T.: MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jan 2022 22:33

Tgt Ion:
Ion Ratio
45 100
58 2.

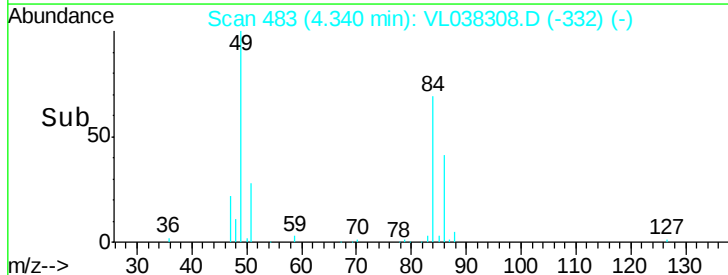
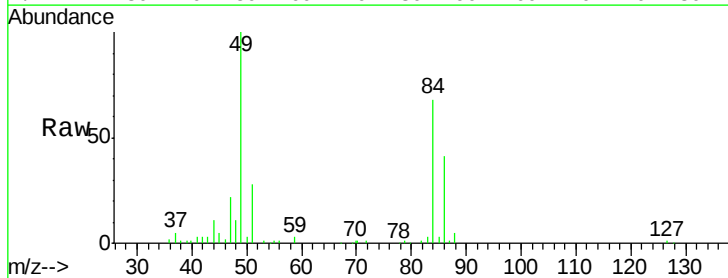
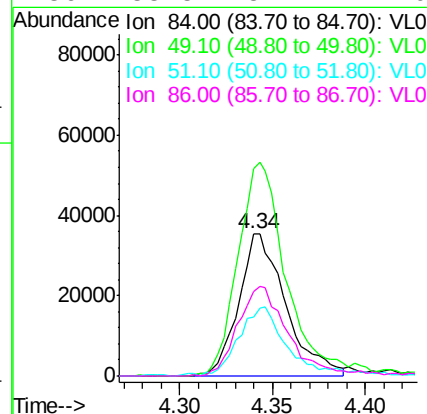
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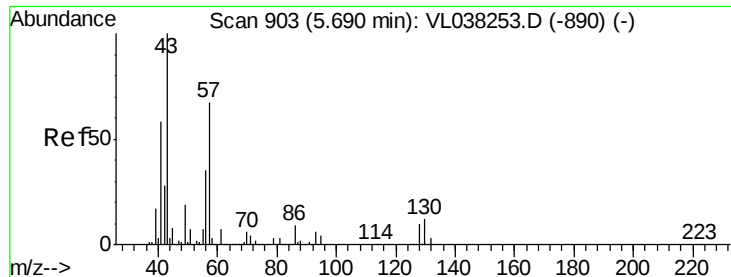
Reviewed By :Semsettin Yesilyurt 01/29/2022
Supervised By :Amit Patel 02/02/2022



#20
Methylene Chloride
Concen: 1.534 ppbv
RT: 4.34 min Scan# 483
Delta R.T.: -0.01 min
Lab File: VL038308.D
Acq: 27 Jan 2022 22:33

Tgt Ion: 84 Resp: 62398
Ion Ratio Lower Upper
84 100
49 144.3 115.0 172.6
51 40.0 35.0 52.6
86 58.5 51.4 77.0



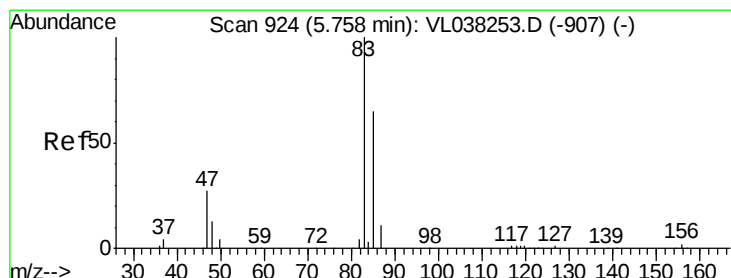
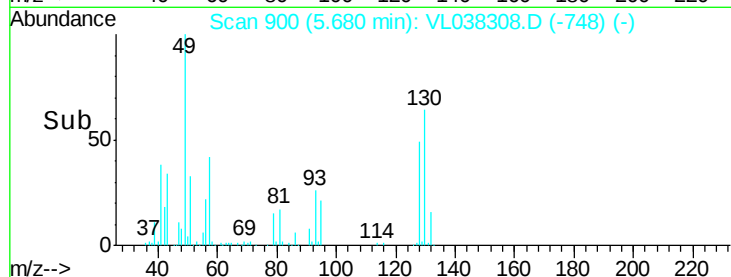
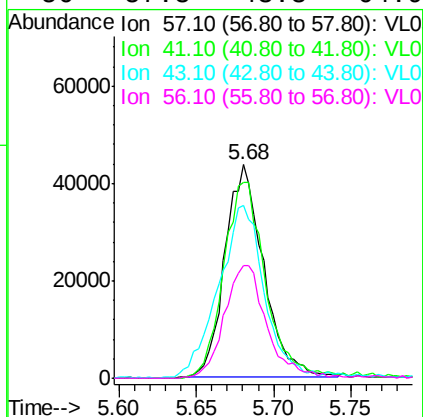
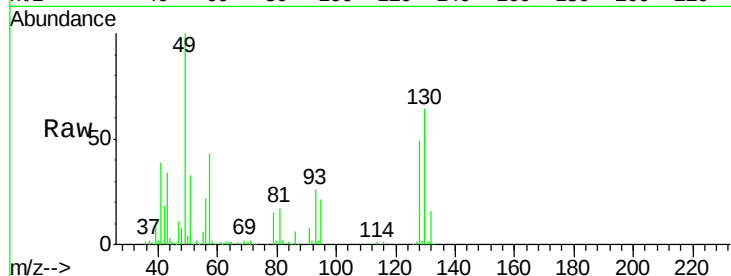


#26
Hexane
Concen: 0.831 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jan 2022 22:33

Tgt Ion: 57.10 (56.80 to 57.80): VL0
Ion Ratio: 100
57 100
41 100.
43 98.
56 57.8 43.3 64.9

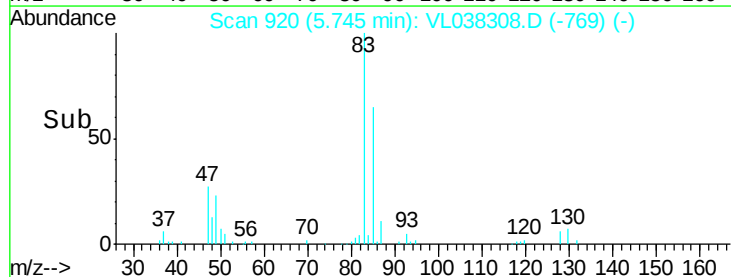
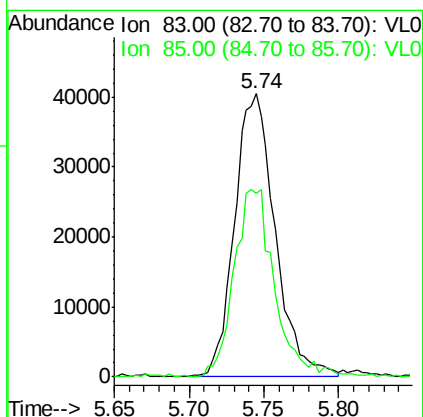
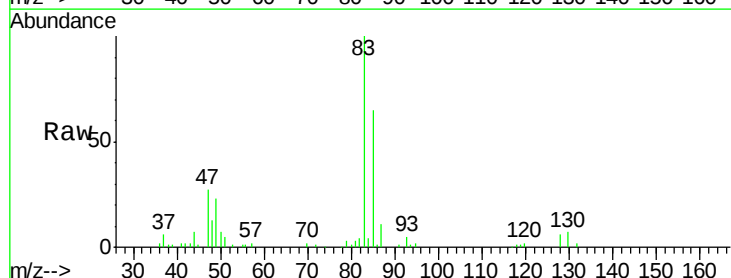
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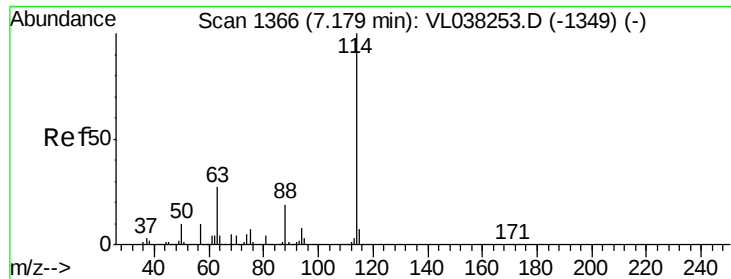
Reviewed By :Semsettin Yesilyurt 01/29/2022
Supervised By :Amit Patel 02/02/2022



#29
Chloroform
Concen: 0.514 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.01 min
Lab File: VL038308.D
Acq: 27 Jan 2022 22:33

Tgt Ion: 83 Resp: 76424
Ion Ratio Lower Upper
83 100
85 64.9 51.9 77.9



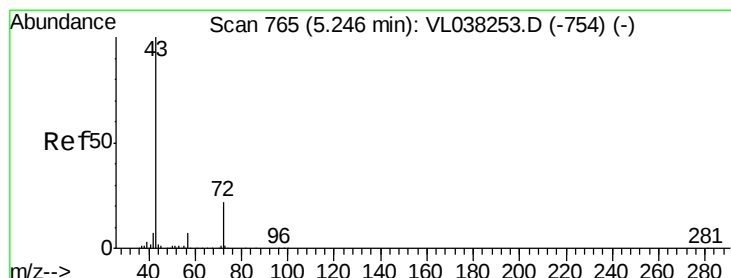
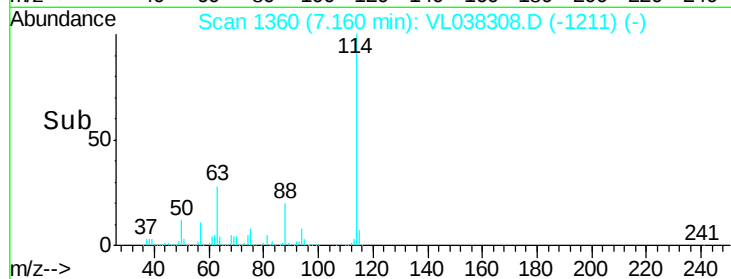
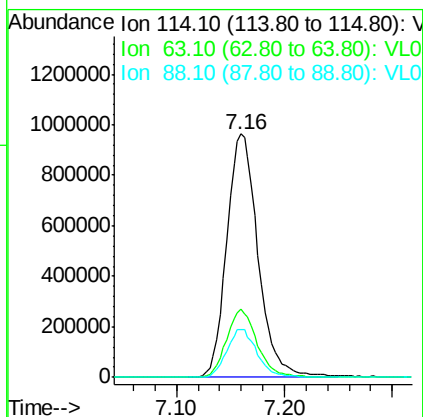
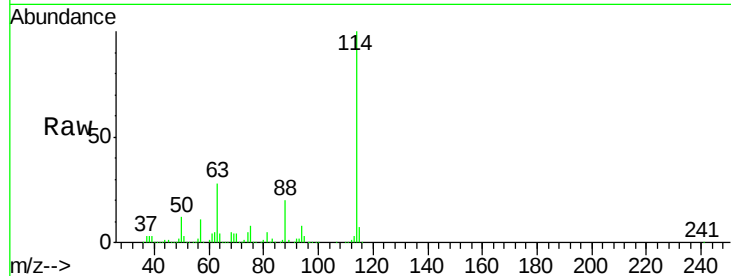


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 27 Jan 2022 22:33

Tgt Ion: 1
 Ion Ratio
 114 100
 63 27.
 88 19.

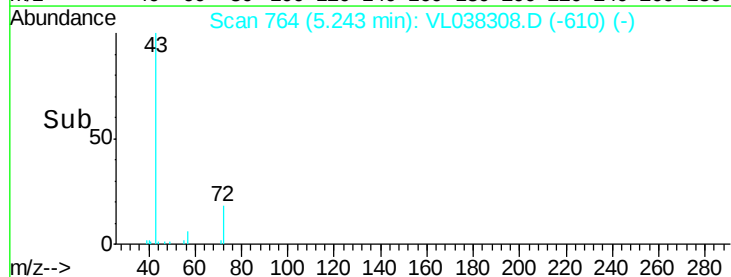
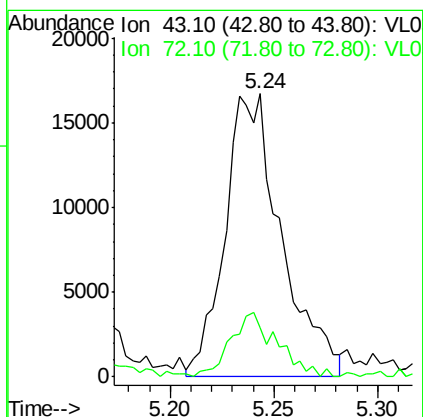
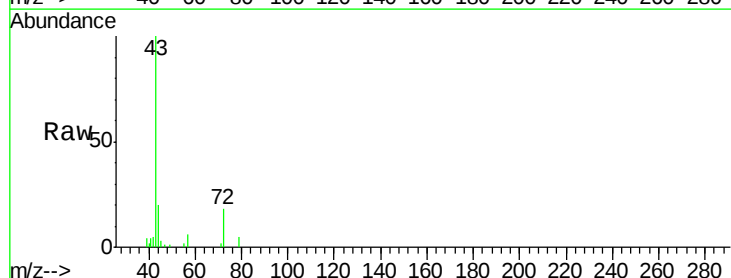
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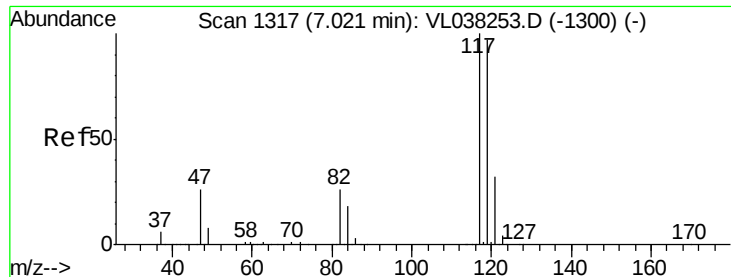
Reviewed By : Semsettin Yesilyurt 01/29/2022
 Supervised By : Amit Patel 02/02/2022



#34
 2-Butanone
 Concen: 0.495 ppbv m
 RT: 5.24 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VL038308.D
 Acq: 27 Jan 2022 22:33

Tgt Ion: 43 Resp: 31504
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.1 27.1#





#35

Carbon Tetrachloride

Concen: 0.076 ppbv m

RT: 7.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampled:

Acq: 27 Jan 2022 22:33

Tgt Ion:1

Ion Rati

117 100

119 119.

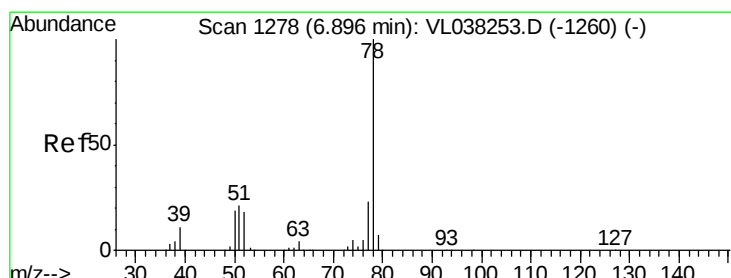
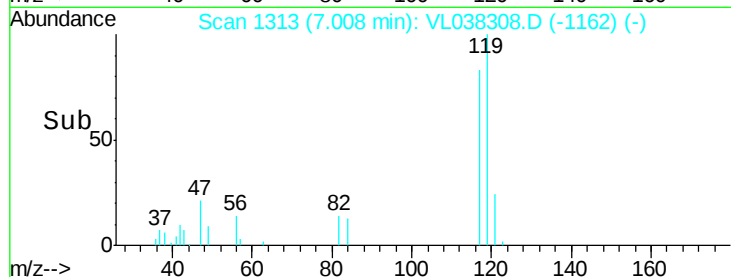
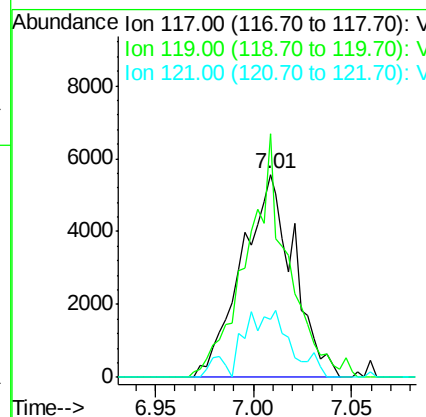
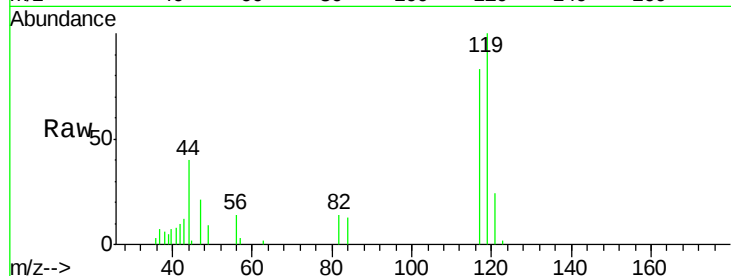
121 28.

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Reviewed By :Semsettin Yesilyurt 01/29/2022

Supervised By :Amit Patel 02/02/2022



#36

Benzene

Concen: 0.327 ppbv

RT: 6.88 min Scan# 1273

Delta R.T. -0.02 min

Lab File: VL038308.D

Acq: 27 Jan 2022 22:33

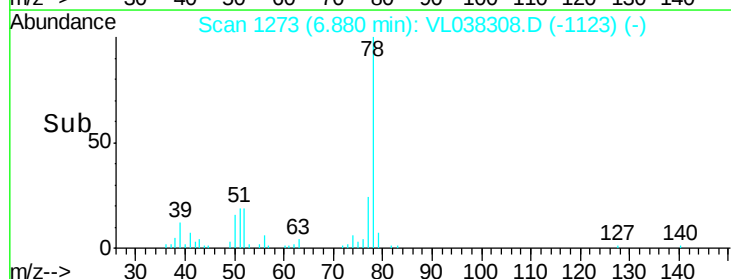
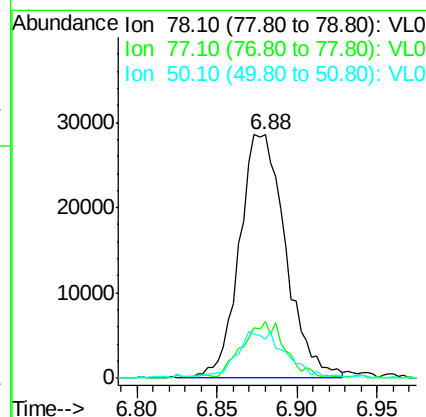
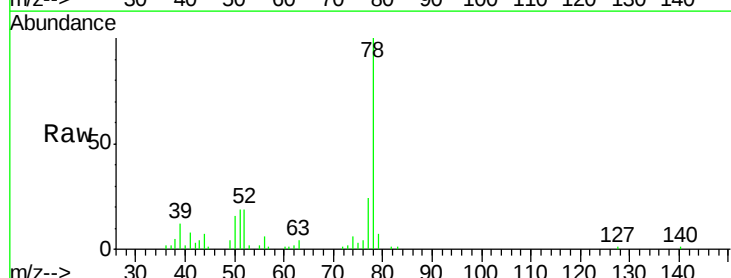
Tgt Ion: 78 Resp: 56332

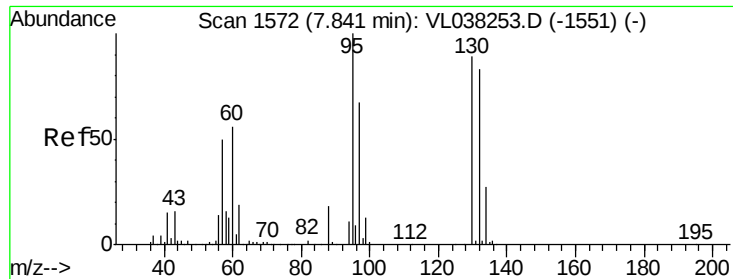
Ion Ratio Lower Upper

78 100

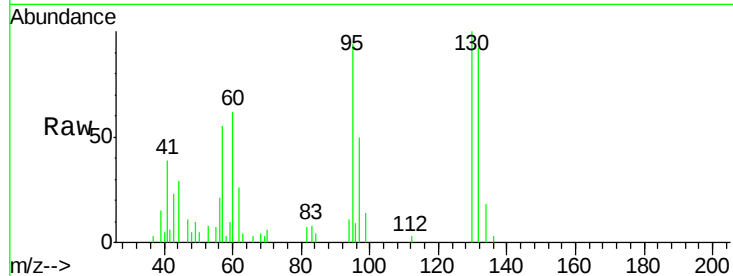
77 23.0 18.2 27.2

50 14.9 15.1 22.7#





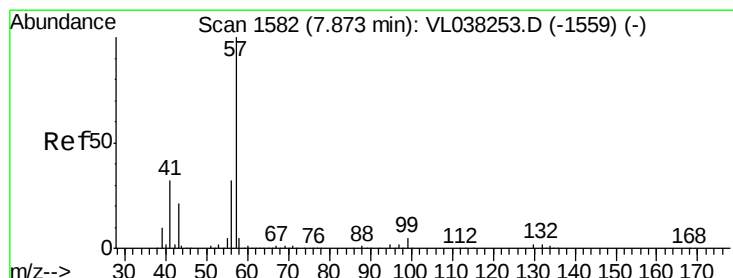
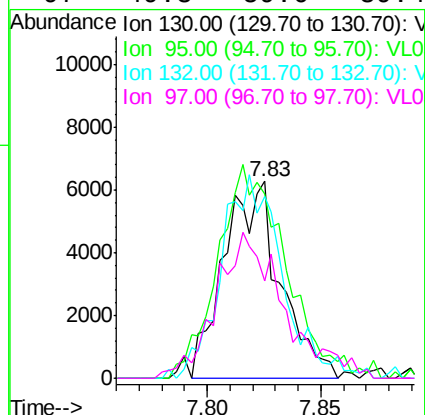
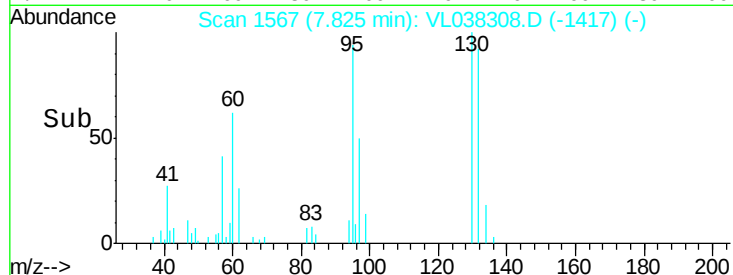
#38
 Trichloroethene
 Concen: 0.169 ppbv m
 RT: 7.83
 Instrument: MSVOA_L
 Delta R.T.
 Lab File: ClientSampleId :
 Acq: 27 Jan 2022 22:33



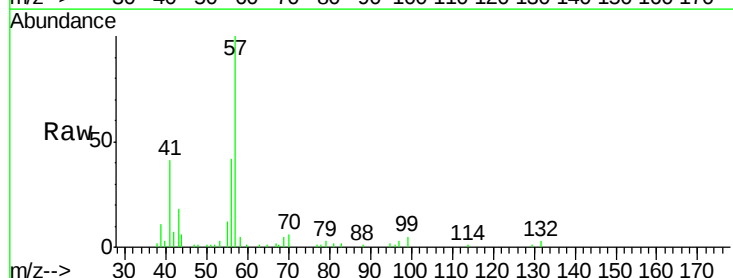
Tgt Ion: 130.00 (129.70 to 130.70): V
 Ion Ratio
 130 100
 95 93.
 132 92.
 97 49.8 59.6 89.4#

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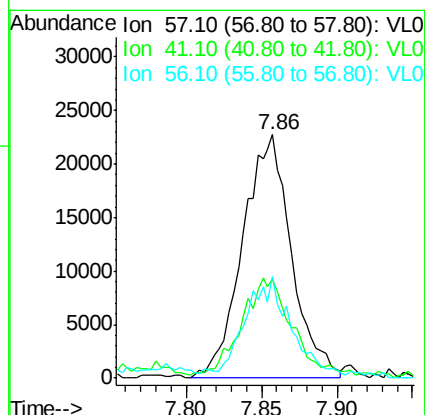
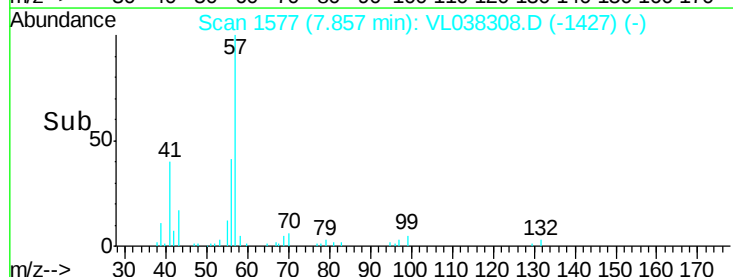
Reviewed By :Semsettin Yesilyurt 01/29/2022
 Supervised By :Amit Patel 02/02/2022

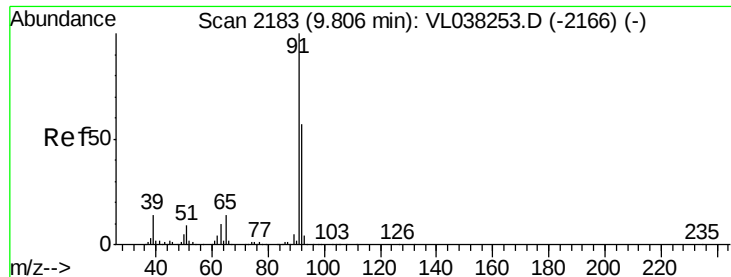


#44
 2,2,4-Trimethylpentane
 Concen: 0.169 ppbv m
 RT: 7.86 min Scan# 1577
 Delta R.T. -0.02 min
 Lab File: VL038308.D
 Acq: 27 Jan 2022 22:33



Tgt Ion: 57 Resp: 51224
 Ion Ratio Lower Upper
 57 100
 41 43.8 26.3 39.5#
 56 0.0 25.2 37.8#



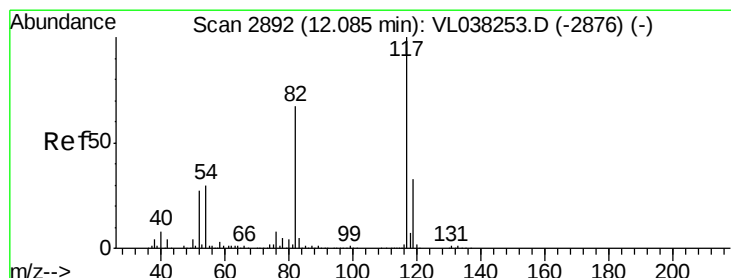
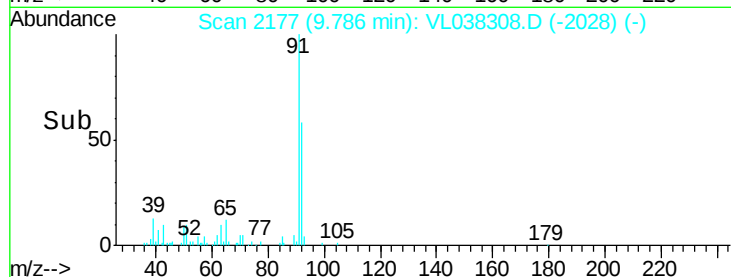
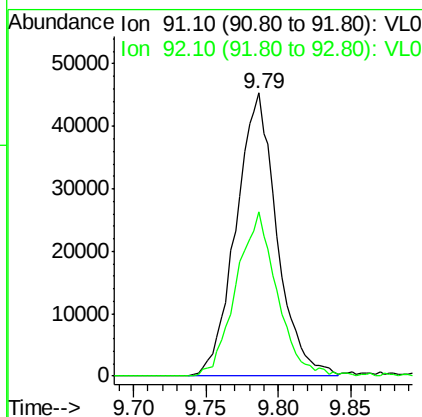
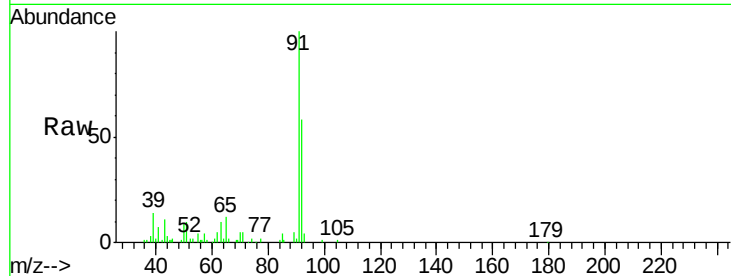


#53
Toluene
Concen: 0.467 ppbv
RT: 9.79
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Jan 2022 22:33

Tgt Ion:
Ion Ratio
91 100
92 58.

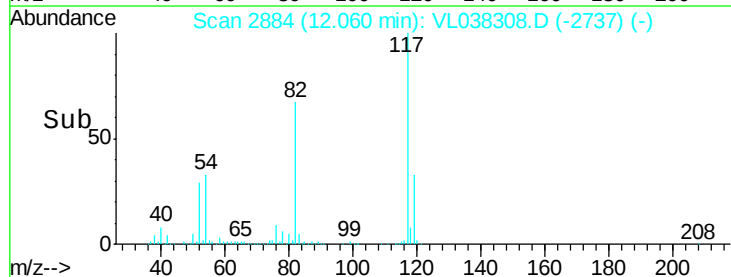
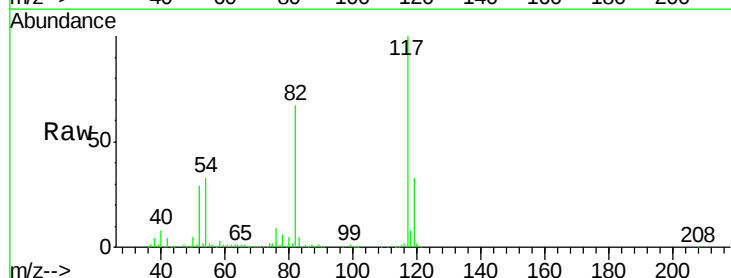
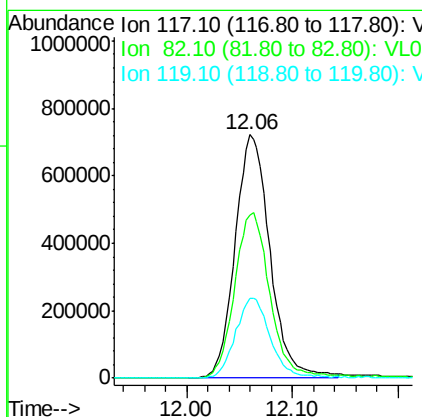
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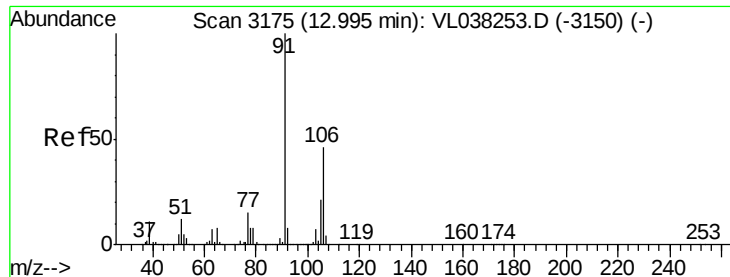
Reviewed By :Semsettin Yesilyurt 01/29/2022
Supervised By :Amit Patel 02/02/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.03 min
Lab File: VL038308.D
Acq: 27 Jan 2022 22:33

Tgt Ion:117 Resp: 1659901
Ion Ratio Lower Upper
117 100
82 70.3 54.4 81.6
119 33.3 45.9 68.9#



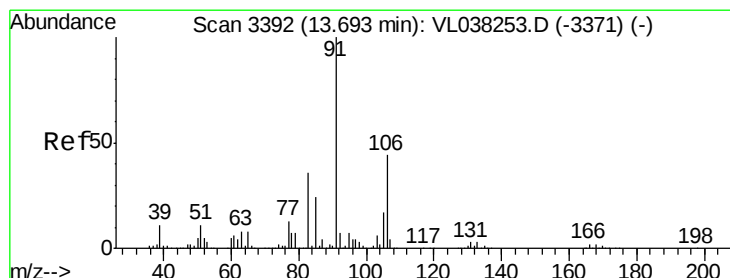
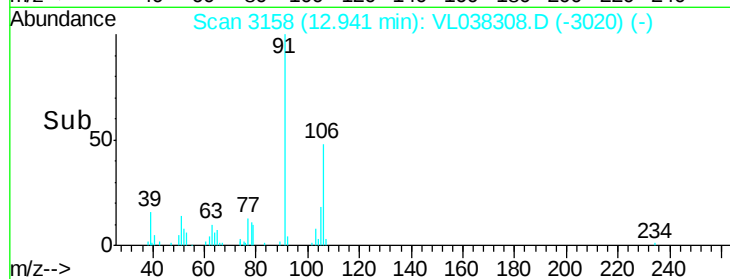
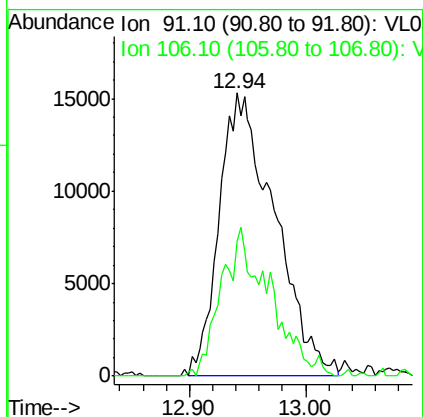
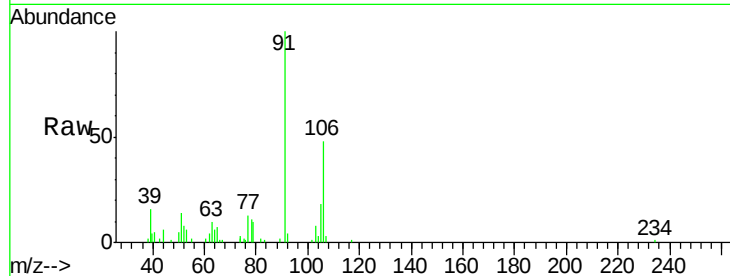


#59
m/p-Xylene
Concen: 0.243 ppbv m
RT: 12.94
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Jan 2022 22:33

Tgt Ion:
Ion Ratio
91 100
106 0.

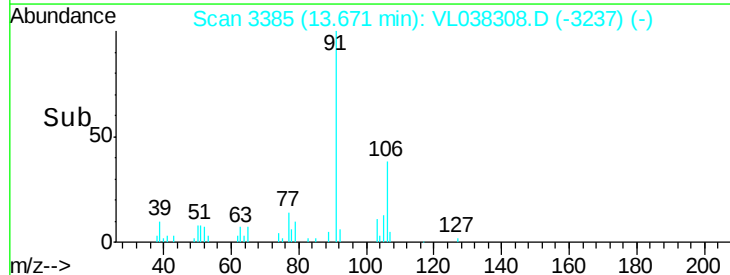
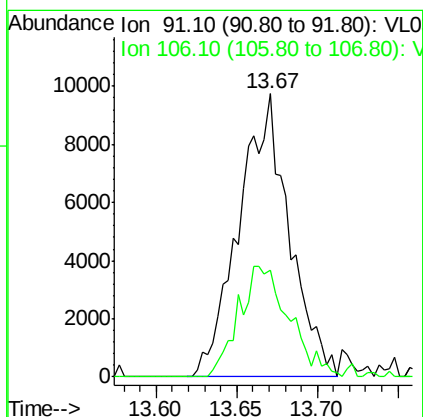
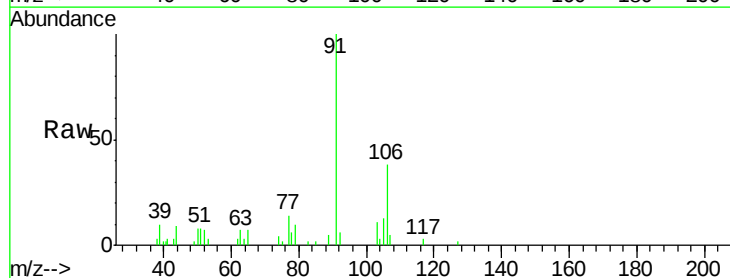
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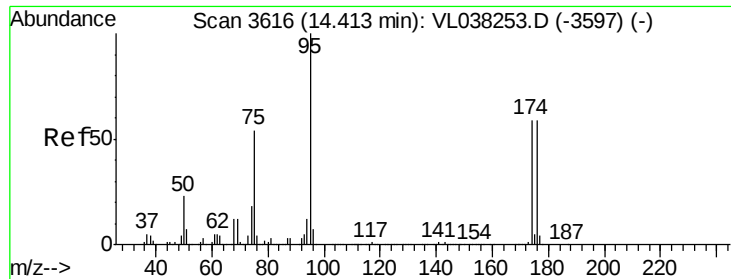
Reviewed By :Semsettin Yesilyurt 01/29/2022
Supervised By :Amit Patel 02/02/2022



#60
o-Xylene
Concen: 0.108 ppbv m
RT: 13.67 min Scan# 3385
Delta R.T. -0.02 min
Lab File: VL038308.D
Acq: 27 Jan 2022 22:33

Tgt Ion: 91 Resp: 20972
Ion Ratio Lower Upper
91 100
106 39.8 22.2 66.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.080 ppbv
 RT: 14.39
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 27 Jan 2022 22:33

Tgt Ion:
 Ion Rati
 95 100
 174 58.
 175 4.

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Reviewed By :Semsettin Yesilyurt 01/29/2022
 Supervised By :Amit Patel 02/02/2022

