

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
 Data File : VL038400.D
 Acq On : 22 Feb 2022 22:48
 Operator : SY/AP
 Sample : N1607-07DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MP-8DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/23/2022
 Supervised By : Mahesh Dadoda 02/25/2022

Quant Time: Feb 23 08:06:17 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222A

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

QLast Update : Tue Feb 22 19:45:51 2022

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	916065	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	2238120	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	2018864	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1628412	9.75	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Qvalue
10) Heptane	8.12	43	15359m	0.12	ppbv	
13) Ethanol	3.62	45	108554	20.37	ppbv	90
15) Acetone	3.86	43	411689	5.28	ppbv	99
19) Isopropyl Alcohol	3.98	45	231607	5.13	ppbv #	97
20) Methylene Chloride	4.36	84	10183m	0.26	ppbv	
26) Hexane	5.69	57	17820m	0.19	ppbv	
34) 2-Butanone	5.26	43	21377m	0.30	ppbv	
38) Trichloroethene	7.84	130	10002m	0.14	ppbv	
44) 2,2,4-Trimethylpentane	7.87	57	74726	0.22	ppbv #	79
53) Toluene	9.81	91	202987	0.95	ppbv	100
58) Ethyl Benzene	12.71	91	30942m	0.11	ppbv	
59) m/p-Xylene	12.97	91	50348m	0.21	ppbv	
60) o-Xylene	13.69	91	23205	0.10	ppbv	99
61) Styrene	13.53	104	163835	1.58	ppbv	97
74) 1,2,4-Trimethylbenzene	16.76	105	40753m	0.17	ppbv	

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

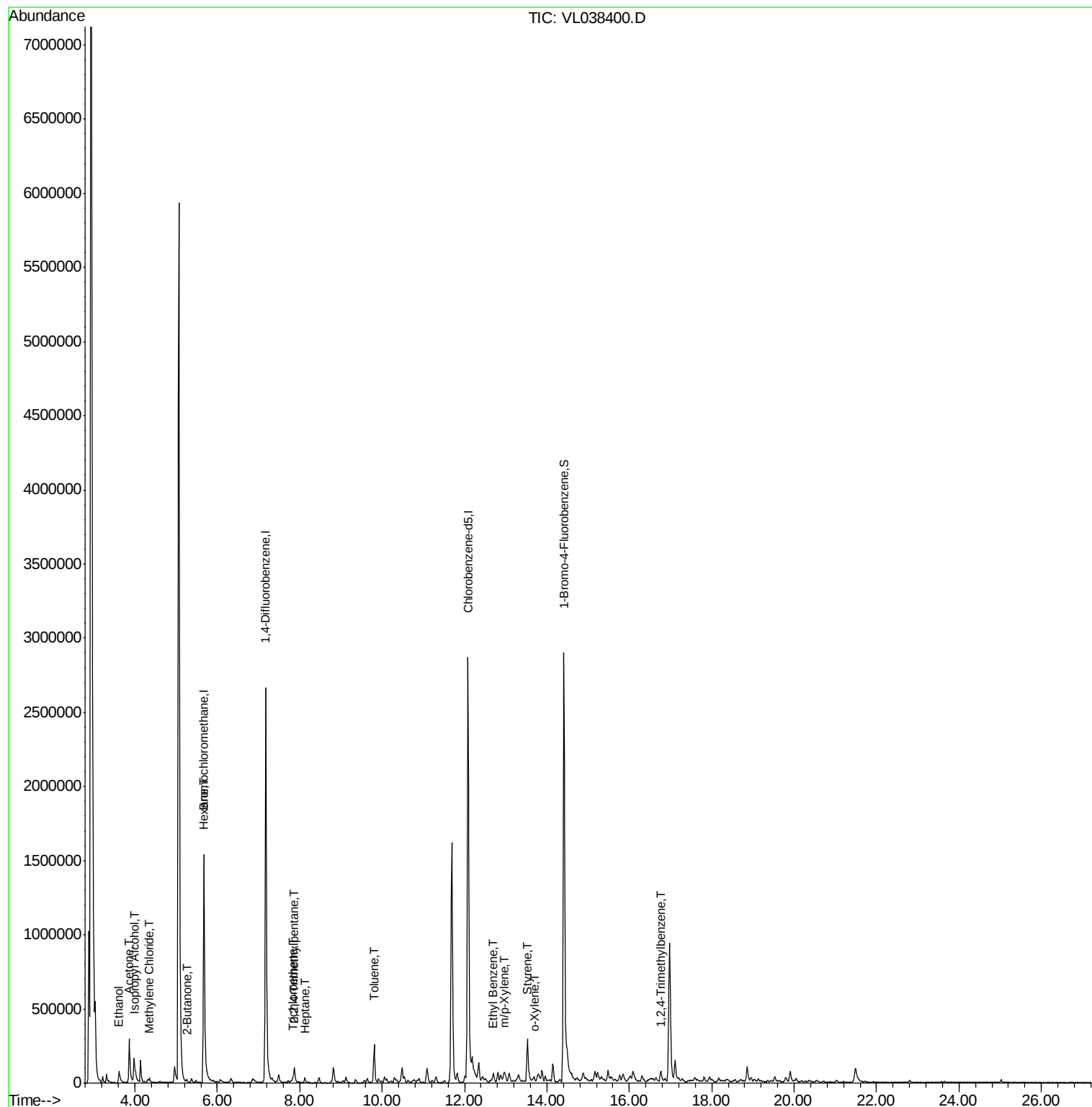
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
Data File : VL038400.D
Acq On : 22 Feb 2022 22:48
Operator : SY/AP
Sample : N1607-07DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

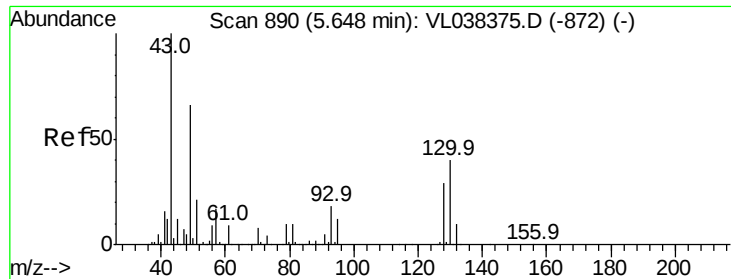
Instrument :
MSVOA_L
ClientSampleId :
MP-8DL

Quant Time: Feb 23 08:06:17 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL022222\
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument:
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Feb 2022 22:48 MP-8DL

Tgt Ion:

Ion Ratio

49 100

128 47.

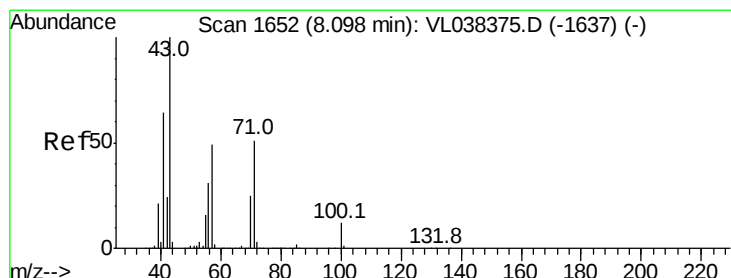
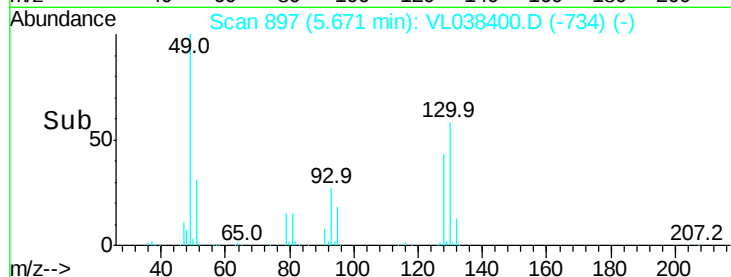
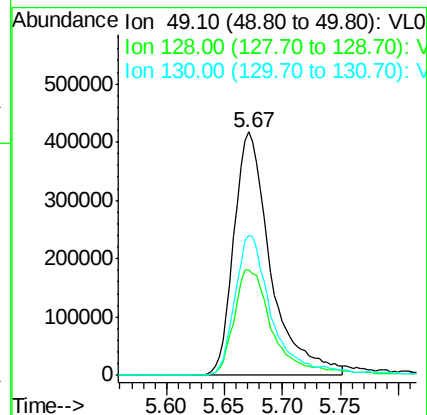
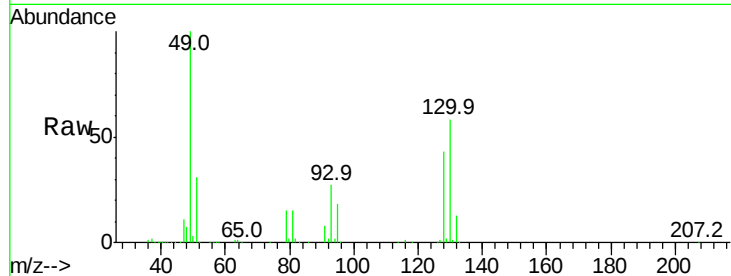
130 59.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022

Supervised By :Mahesh Dadoda 02/25/2022



#10

Heptane

Concen: 0.12 ppbv m

RT: 8.12 min Scan# 1658

Delta R.T. 0.02 min

Lab File: VL038400.D

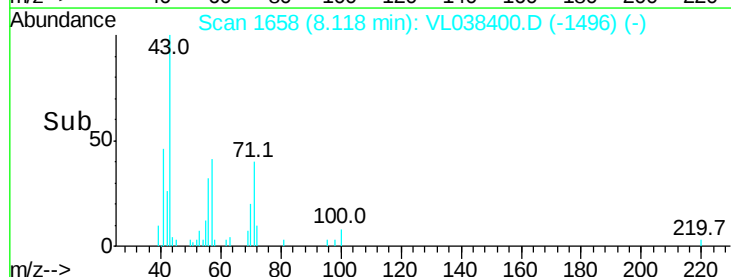
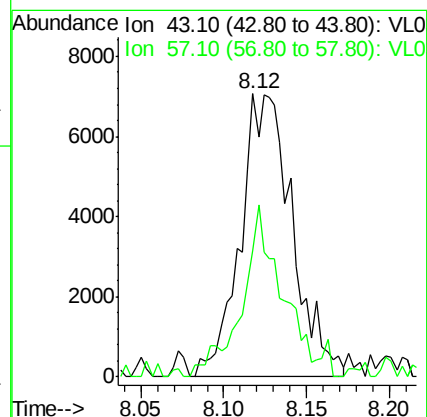
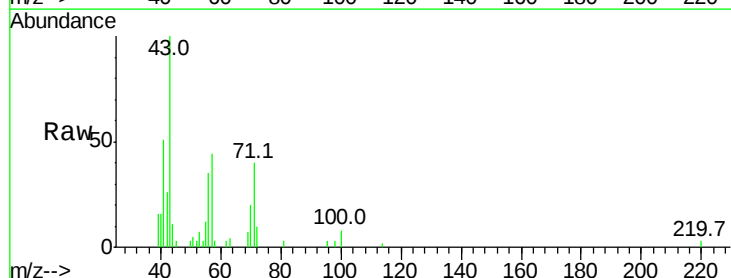
Acq: 22 Feb 2022 22:48

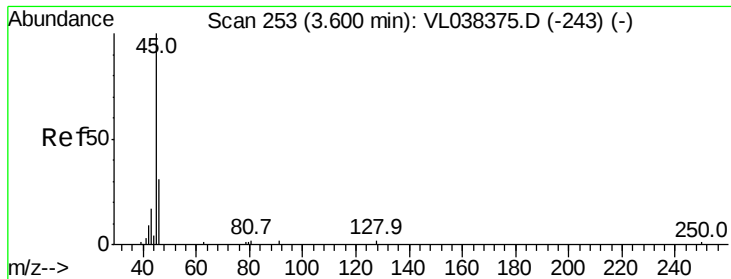
Tgt Ion: 43 Resp: 15359

Ion Ratio Lower Upper

43 100

57 48.5 39.8 59.8



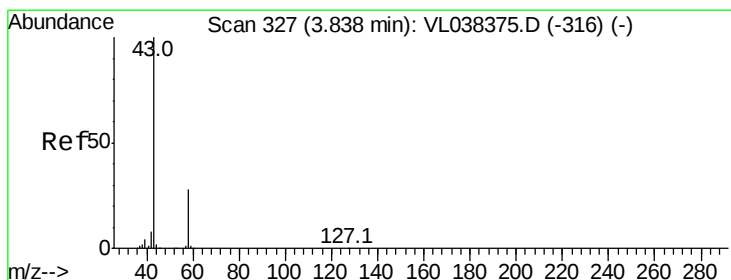
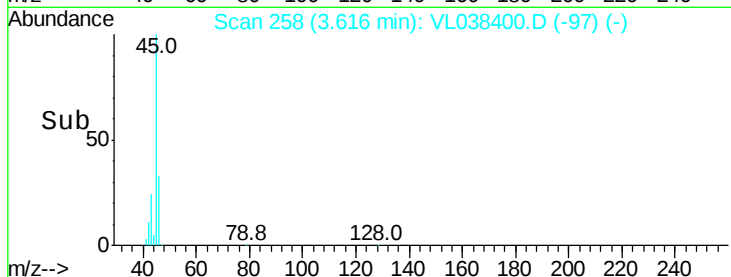
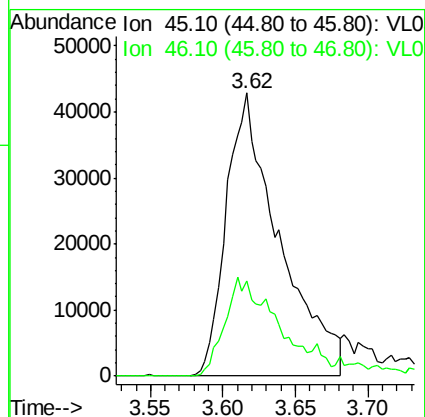
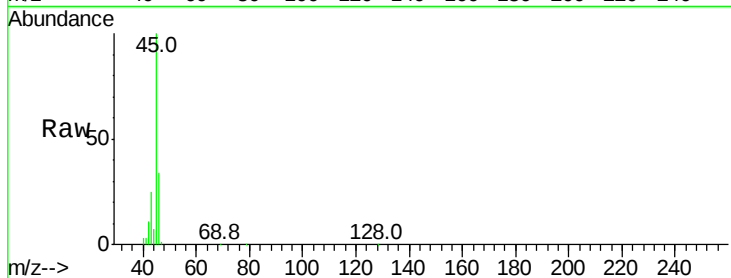


#13
Ethanol
Concen: 20.37 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Feb 2022 22:48

Tgt Ion:
Ion Ratio
45 100
46 39.

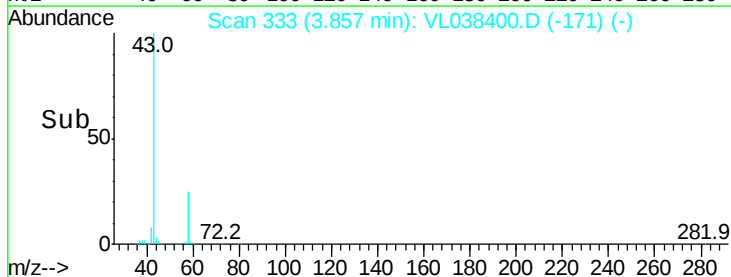
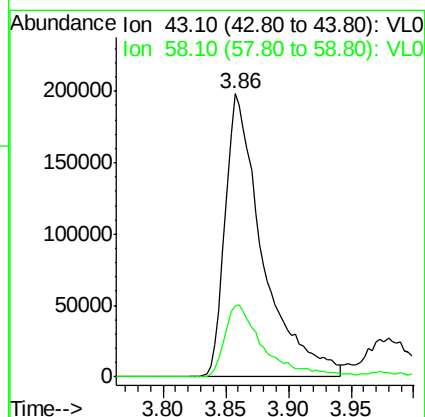
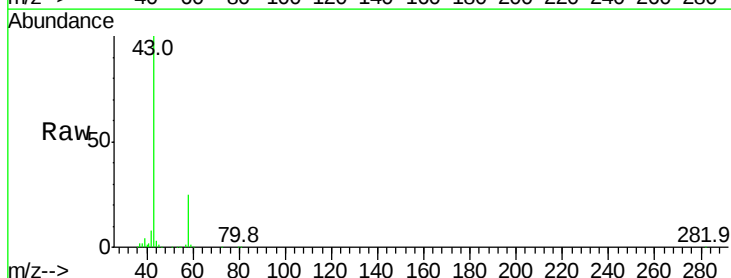
Manual Integrations
APPROVED

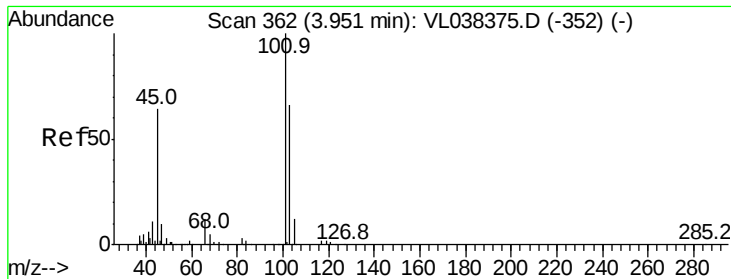
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#15
Acetone
Concen: 5.28 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL038400.D
Acq: 22 Feb 2022 22:48

Tgt Ion: 43 Resp: 411689
Ion Ratio Lower Upper
43 100
58 26.6 21.7 32.5





#19

Isopropyl Alcohol

Concen: 5.13 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 22 Feb 2022 22:48 MP-8DL

Tgt Ion:

Ion Ratio

45 100

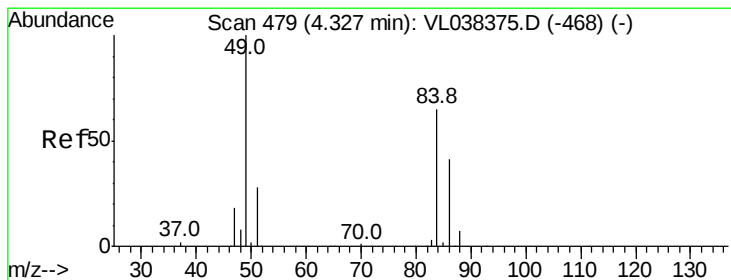
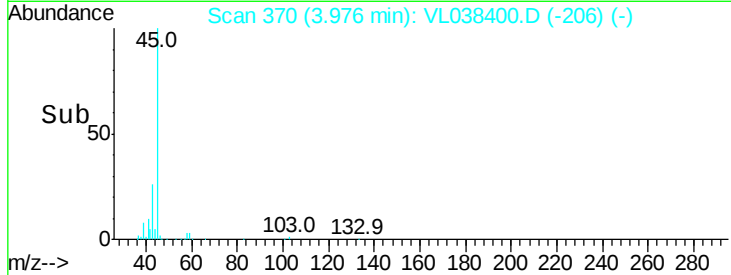
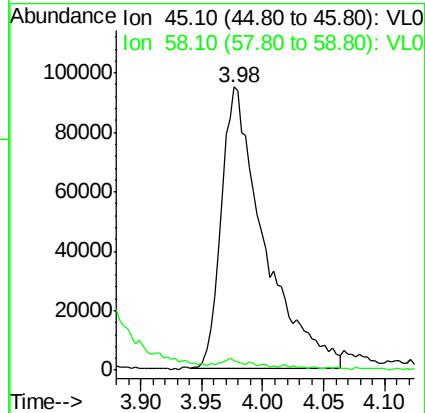
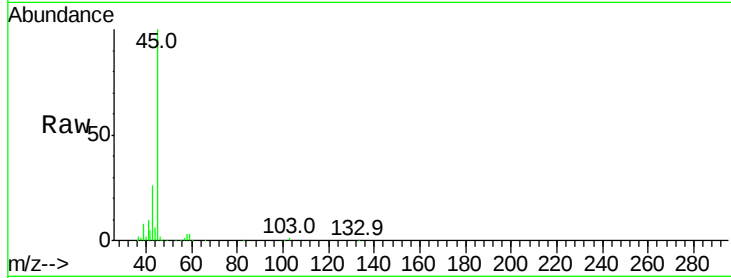
58 3.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022

Supervised By :Mahesh Dadoda 02/25/2022



#20

Methylene Chloride

Concen: 0.26 ppbv m

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL038400.D

Acq: 22 Feb 2022 22:48

Tgt Ion: 84 Resp: 10183

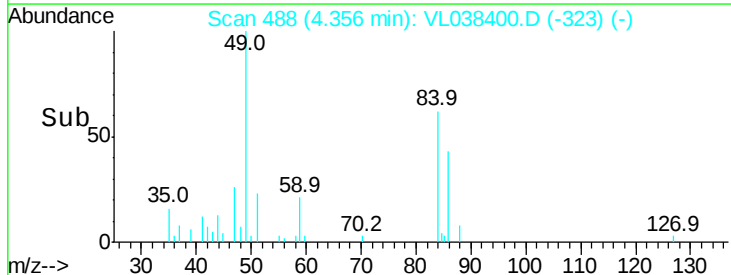
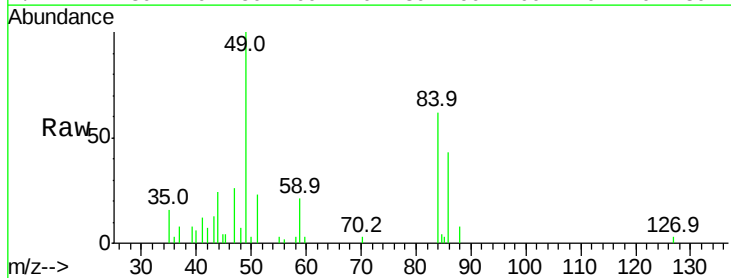
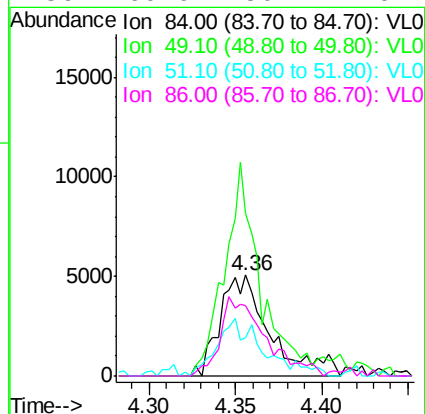
Ion Ratio Lower Upper

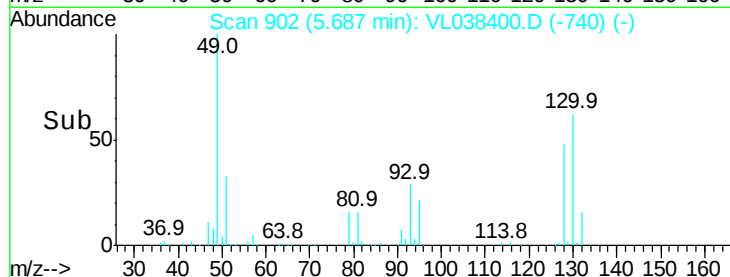
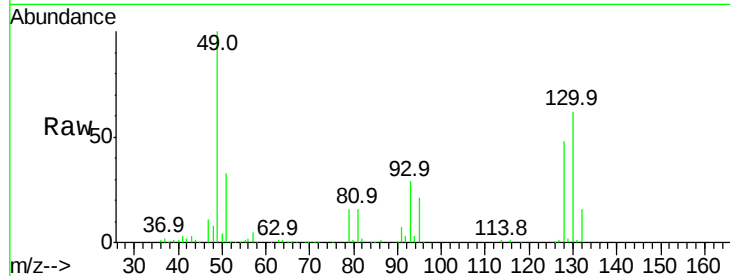
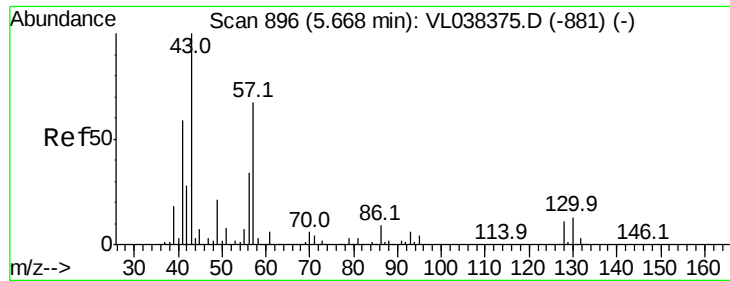
84 100

49 161.3 122.4 183.6

51 37.6 33.3 49.9

86 69.9 50.7 76.1



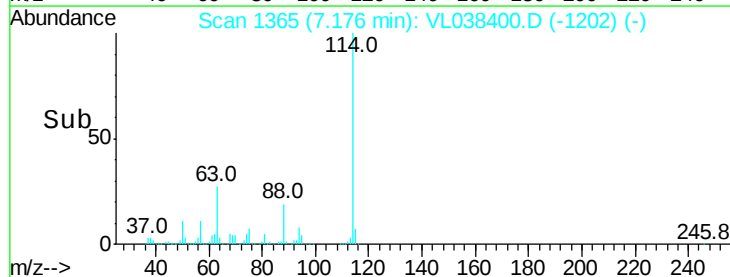
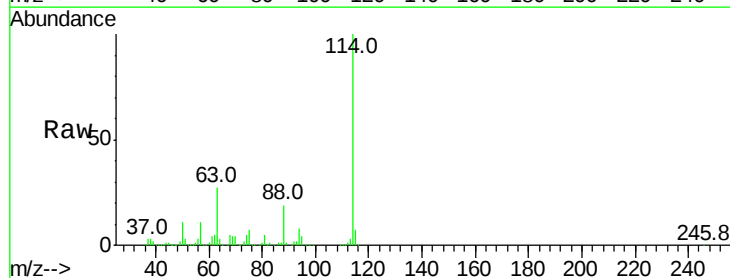
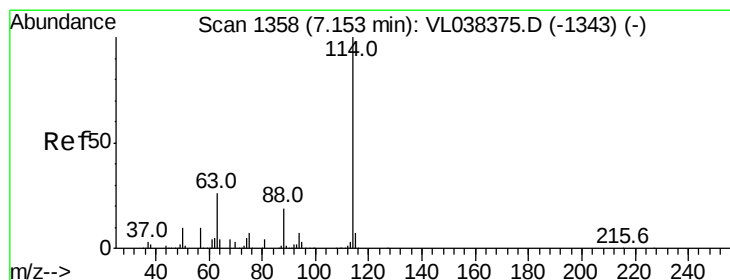
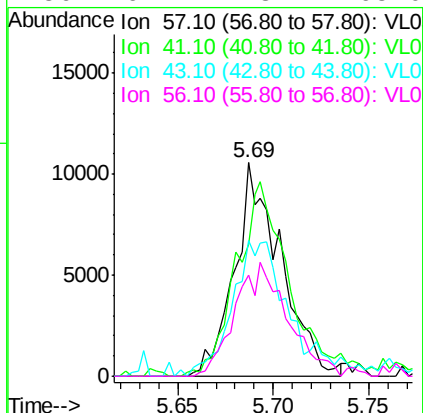


#26
Hexane
Concen: 0.19 ppbv m
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
MP-8DL
Acq: 22 Feb 2022 22:48

Tgt Ion:
Ion Ratio
57 100
41 105.
43 0.
56 62.1 43.4 65.0

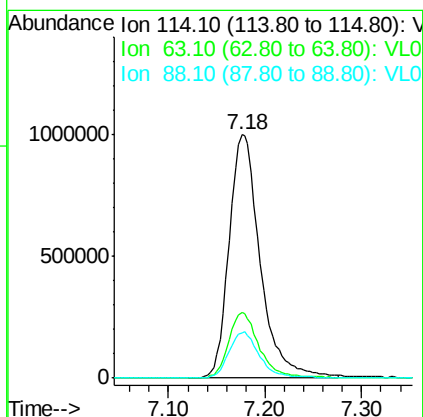
Manual Integrations
APPROVED

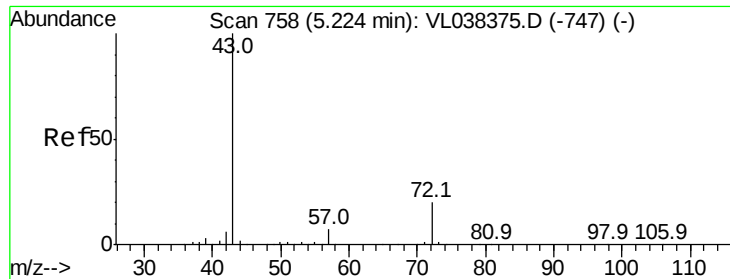
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.02 min
Lab File: VL038400.D
Acq: 22 Feb 2022 22:48

Tgt Ion:114 Resp: 2238120
Ion Ratio Lower Upper
114 100
63 26.8 22.2 33.2
88 19.0 15.2 22.8





#34

2-Butanone

Concen: 0.30 ppbv m

RT: 5.26 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: MP-8DL

Acq: 22 Feb 2022 22:48

Tgt Ion:

Ion Ratio

43 100

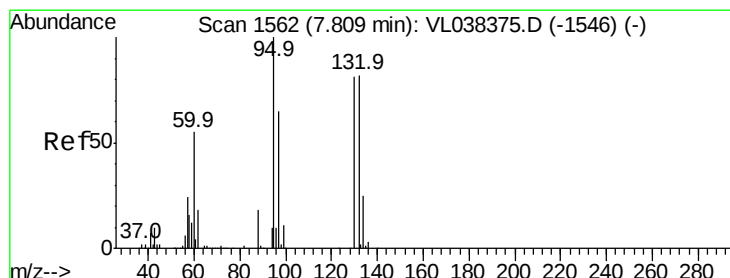
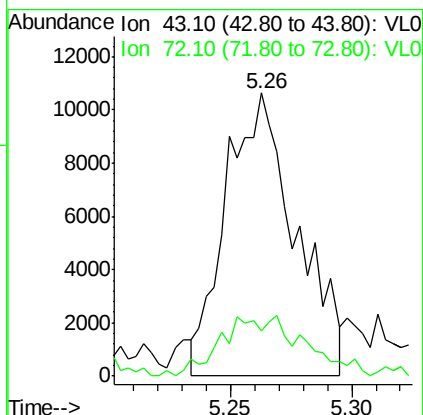
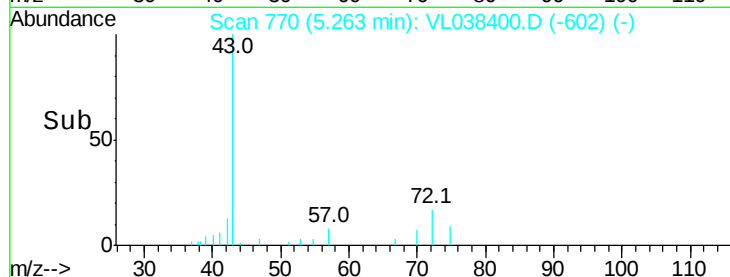
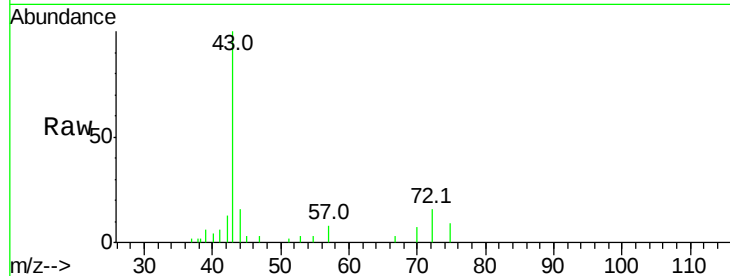
72 26.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022

Supervised By :Mahesh Dadoda 02/25/2022



#38

Trichloroethene

Concen: 0.14 ppbv m

RT: 7.84 min Scan# 1571

Delta R.T. 0.03 min

Lab File: VL038400.D

Acq: 22 Feb 2022 22:48

Tgt Ion:130 Resp: 10002

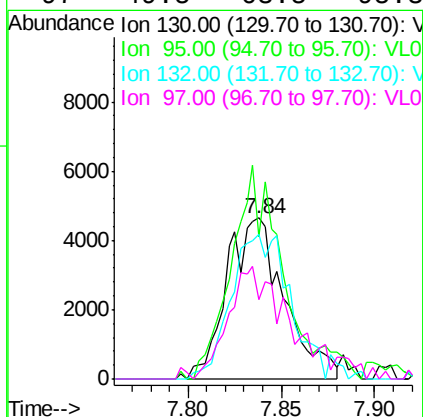
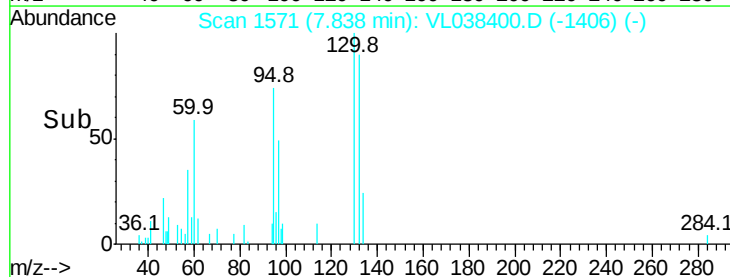
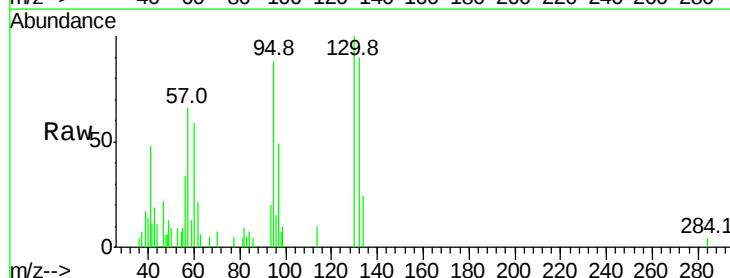
Ion Ratio Lower Upper

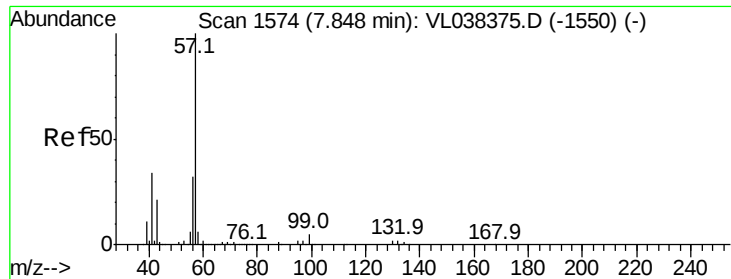
130 100

95 88.4 98.1 147.1#

132 89.8 80.3 120.5

97 49.5 63.5 95.3#



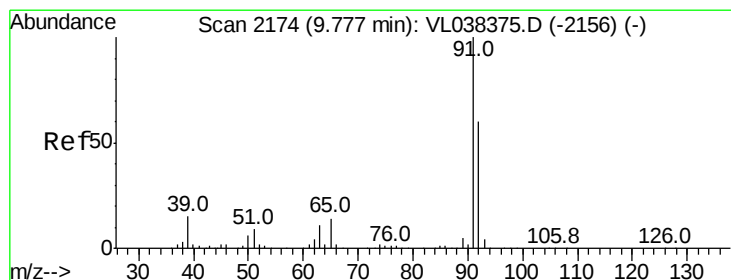
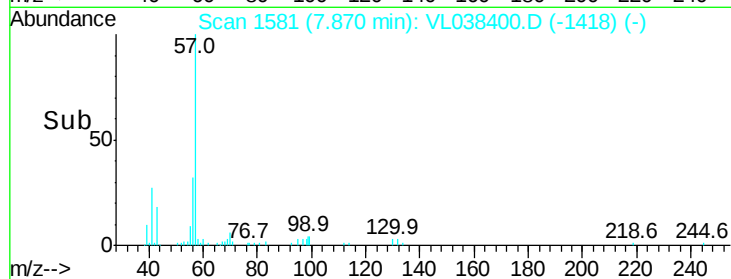
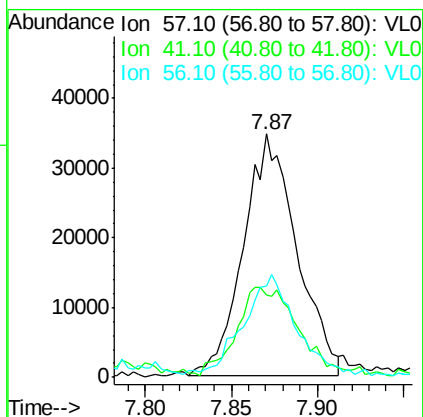
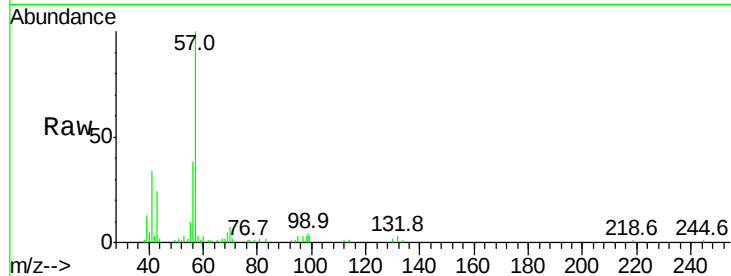


#44
 2,2,4-Trimethylpentane
 Concen: 0.22 ppbv
 RT: 7.87
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Feb 2022 22:48

Tgt Ion:
 Ion Ratio
 57 100
 41 44.
 56 43.

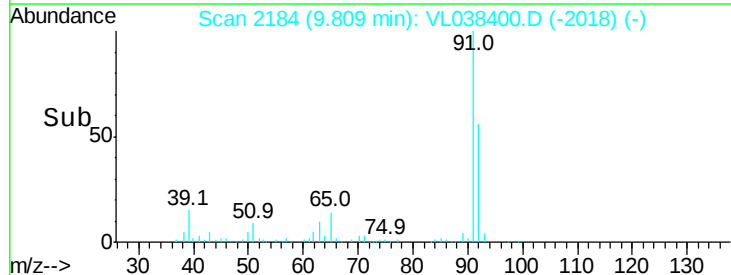
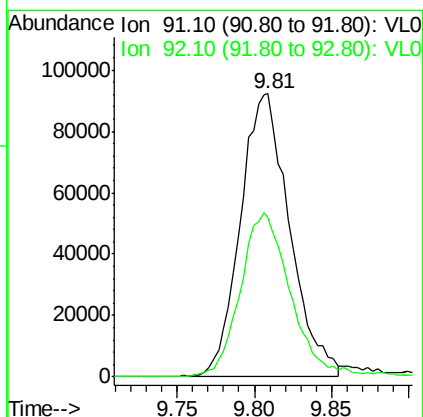
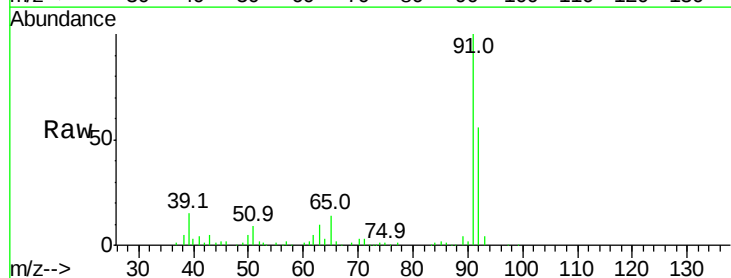
Manual Integrations
 APPROVED

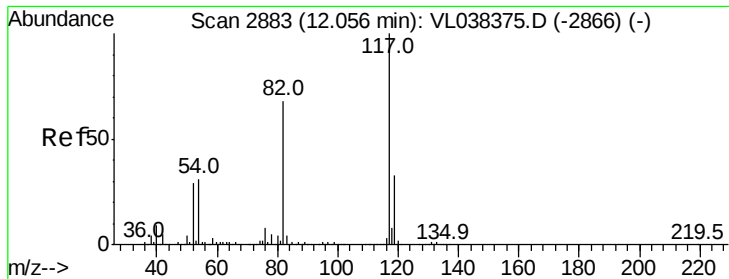
Reviewed By :Semsettin Yesilyurt 02/23/2022
 Supervised By :Mahesh Dadoda 02/25/2022



#53
 Toluene
 Concen: 0.95 ppbv
 RT: 9.81 min Scan# 2184
 Delta R.T. 0.03 min
 Lab File: VL038400.D
 Acq: 22 Feb 2022 22:48

Tgt Ion: 91 Resp: 202987
 Ion Ratio Lower Upper
 91 100
 92 60.5 48.2 72.4





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.08

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Feb 2022 22:48

Tgt Ion:1

Ion Rati

117 100

82 72.

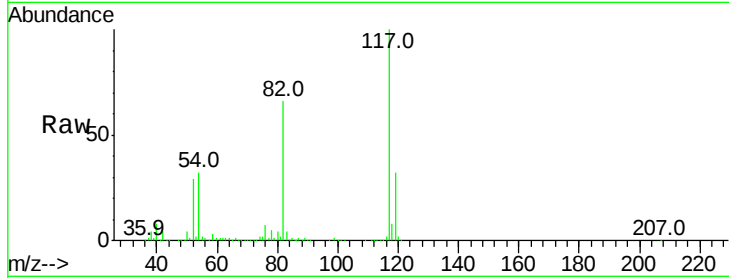
119 34.

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022

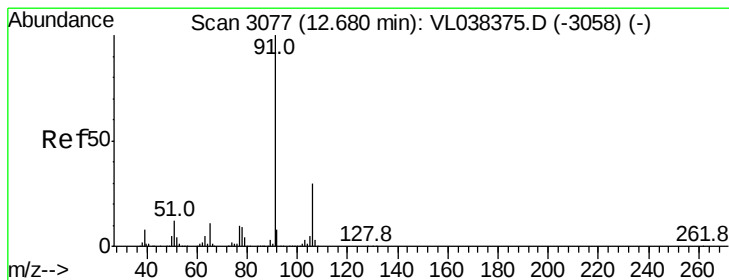
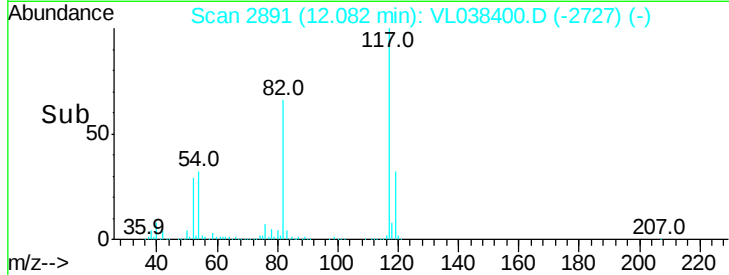
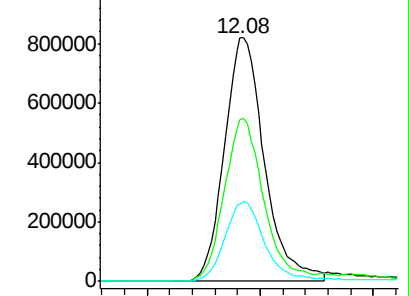
Supervised By :Mahesh Dadoda 02/25/2022



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 0.11 ppbv m

RT: 12.71 min Scan# 3086

Delta R.T. 0.03 min

Lab File: VL038400.D

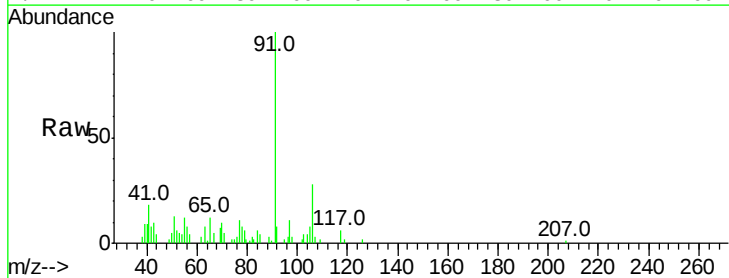
Acq: 22 Feb 2022 22:48

Tgt Ion: 91 Resp: 30942

Ion Ratio Lower Upper

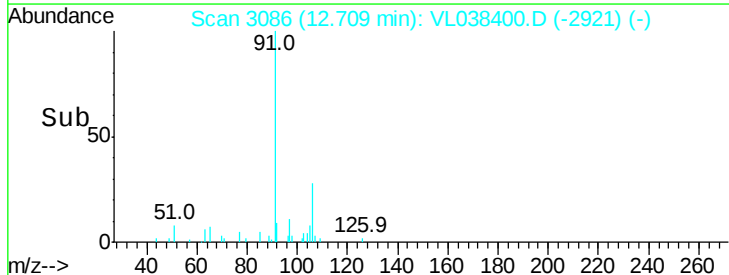
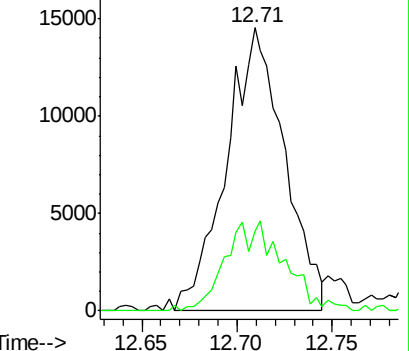
91 100

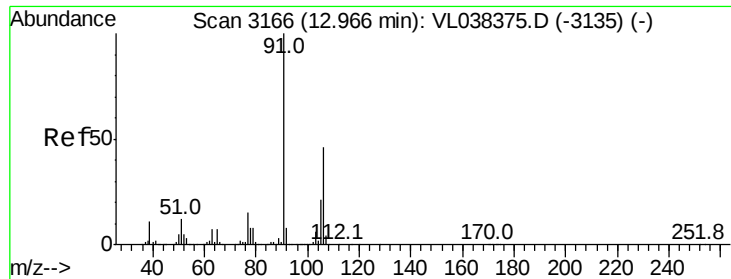
106 28.2 24.0 36.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



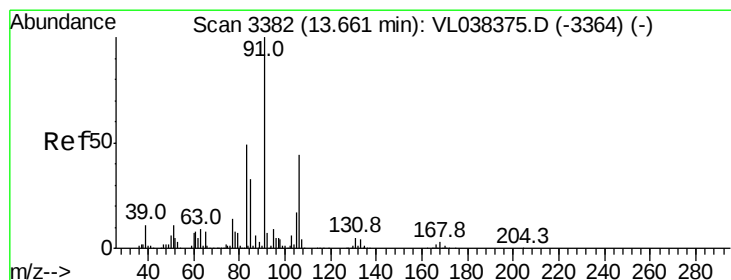
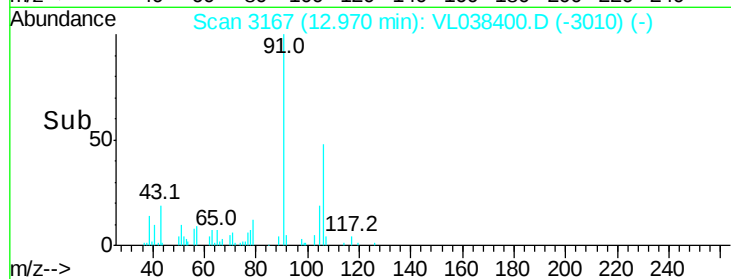
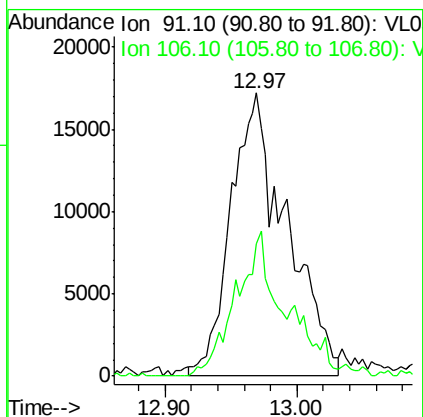
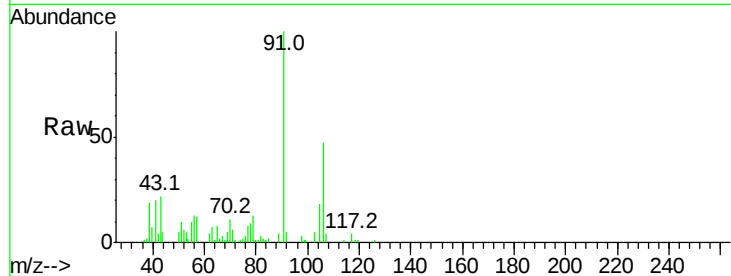


#59
m/p-Xylene
Concen: 0.21 ppbv m
RT: 12.97
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
MP-8DL
Acq: 22 Feb 2022 22:48

Tgt Ion:
Ion Ratio
91 100
106 0.

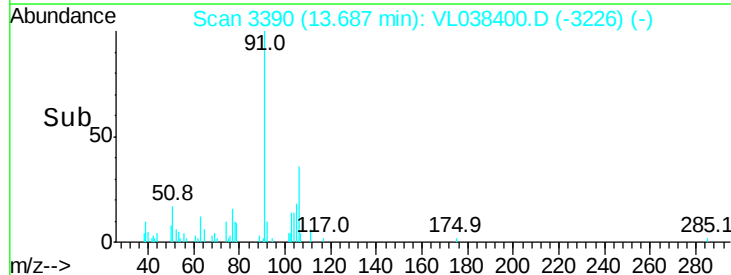
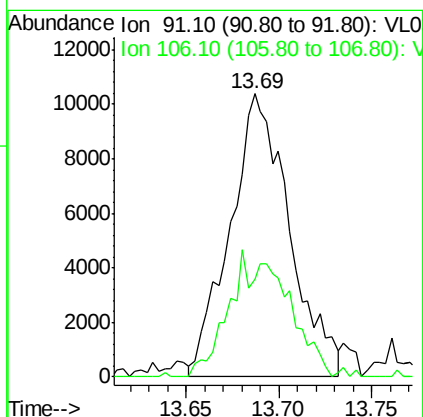
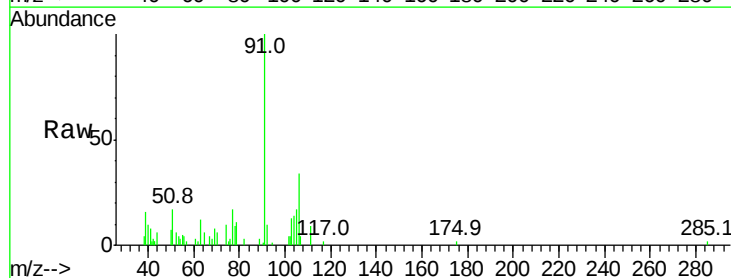
Manual Integrations
APPROVED

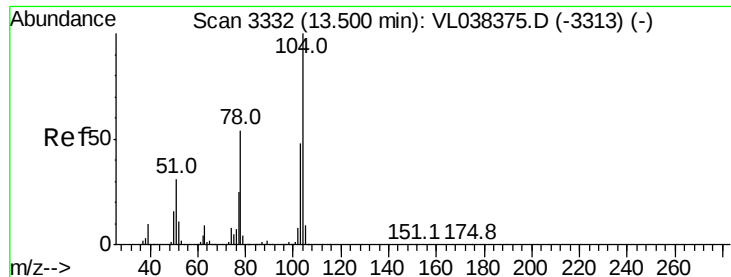
Reviewed By :Semsettin Yesilyurt 02/23/2022
Supervised By :Mahesh Dadoda 02/25/2022



#60
o-Xylene
Concen: 0.10 ppbv
RT: 13.69 min Scan# 3390
Delta R.T. 0.03 min
Lab File: VL038400.D
Acq: 22 Feb 2022 22:48

Tgt Ion: 91 Resp: 23205
Ion Ratio Lower Upper
91 100
106 44.3 21.9 65.5



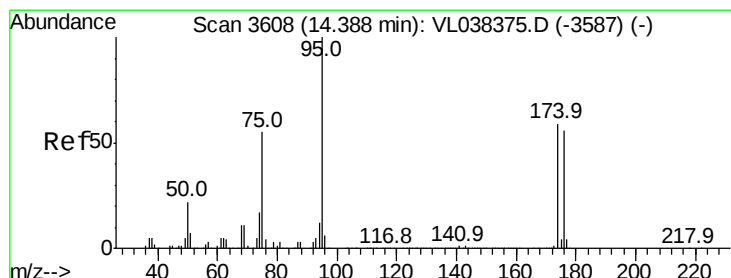
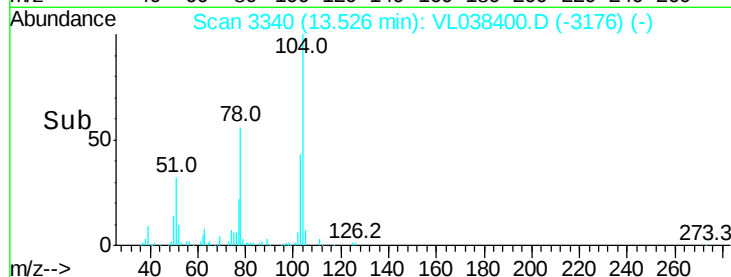
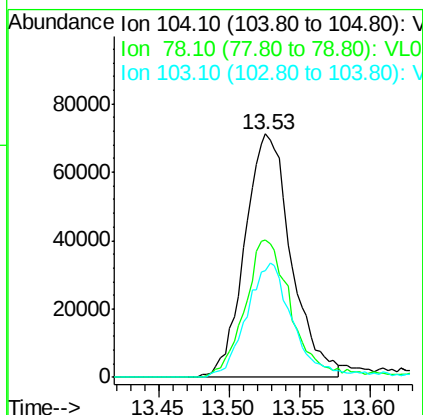
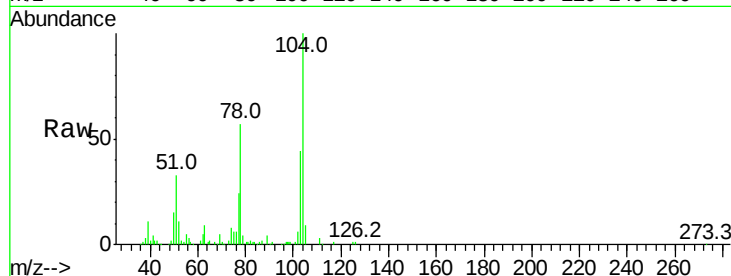


#61
Styrene
Concen: 1.58 ppbv
RT: 13.53
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
MP-8DL
Acq: 22 Feb 2022 22:48

Tgt Ion: 104.10
Ion Ratio
104 100
78 58.1
103 47.1

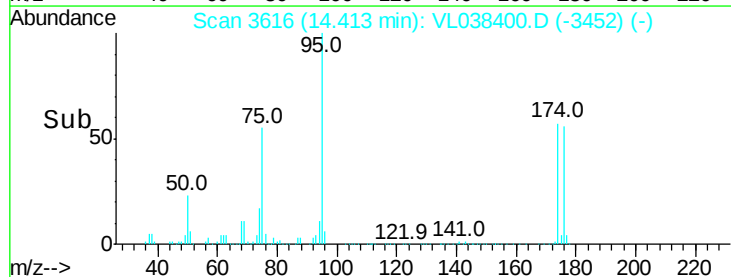
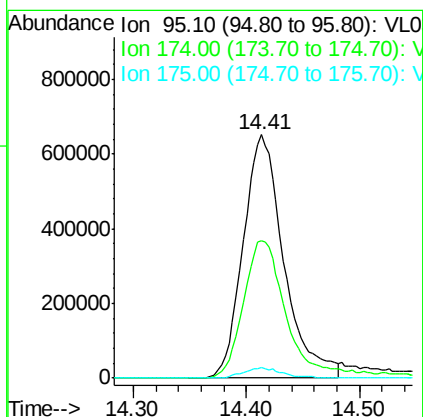
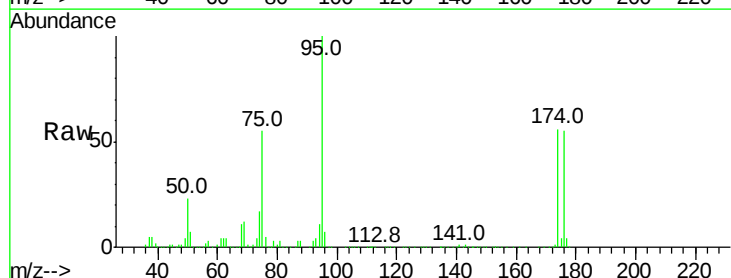
Manual Integrations
APPROVED

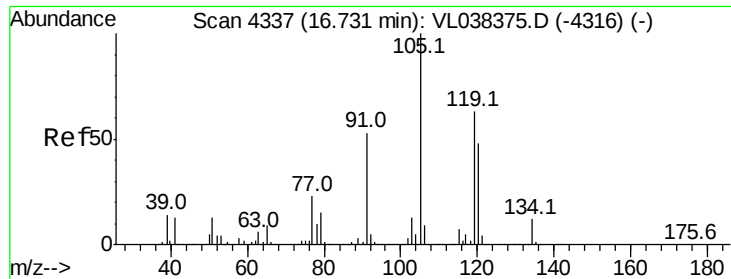
Reviewed By : Semsettin Yesilyurt 02/23/2022
Supervised By : Mahesh Dadoda 02/25/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.75 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. 0.03 min
Lab File: VL038400.D
Acq: 22 Feb 2022 22:48

Tgt Ion: 95 Resp: 1628412
Ion Ratio Lower Upper
95 100
174 63.4 49.0 73.4
175 4.6 3.6 5.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.17 ppbv m
 RT: 16.76
 Delta R.T.
 Lab File:
 Acq: 22 Feb 2022 22.48

Instrument :
 MSVOA_L
 ClientSampleId :
 MP-8DL

Tgt Ion:1
 Ion Rati
 105 100
 120 43.
 91 8.
 77 15.7 18.5 27.7#

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/23/2022
 Supervised By :Mahesh Dadoda 02/25/2022

