

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032822\
 Data File : VL038775.D
 Acq On : 28 Mar 2022 17:37
 Operator : SY/AP
 Sample : N2078-04
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-5

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/29/2022
 Supervised By :Mahesh Dadoda 03/29/2022

Quant Time: Mar 29 06:12:36 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 29 2022

QLast Update : Mon Mar 21 17:09:26 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.671	49	767154	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	7.176	114	1963562	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.085	117	1647900	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.413	95	1219115	9.649	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.060	85	33811	0.328	ppbv	97
3) Chlorodifluoromethane	2.983	51	38216m	0.472	ppbv	
4) Chloromethane	3.150	50	22676	0.510	ppbv	95
9) Propene	3.028	41	24137m	0.617	ppbv	
11) Trichlorofluoromethane	3.957	101	25594	0.281	ppbv	95
13) Ethanol	3.613	45	113638	26.336	ppbv	96
15) Acetone	3.854	43	218102	3.295	ppbv	99
19) Isopropyl Alcohol	3.983	45	22672	0.618	ppbv #	83
20) Methylene Chloride	4.349	84	263907	9.465	ppbv	99
26) Hexane	5.690	57	197689	2.650	ppbv #	41
34) 2-Butanone	5.256	43	25468	0.328	ppbv #	88
35) Carbon Tetrachloride	7.024	117	7772m	0.068	ppbv	
36) Benzene	6.893	78	28407	0.187	ppbv	97
53) Toluene	9.802	91	98002m	0.602	ppbv	
59) m/p-Xylene	12.963	91	28467m	0.169	ppbv	

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

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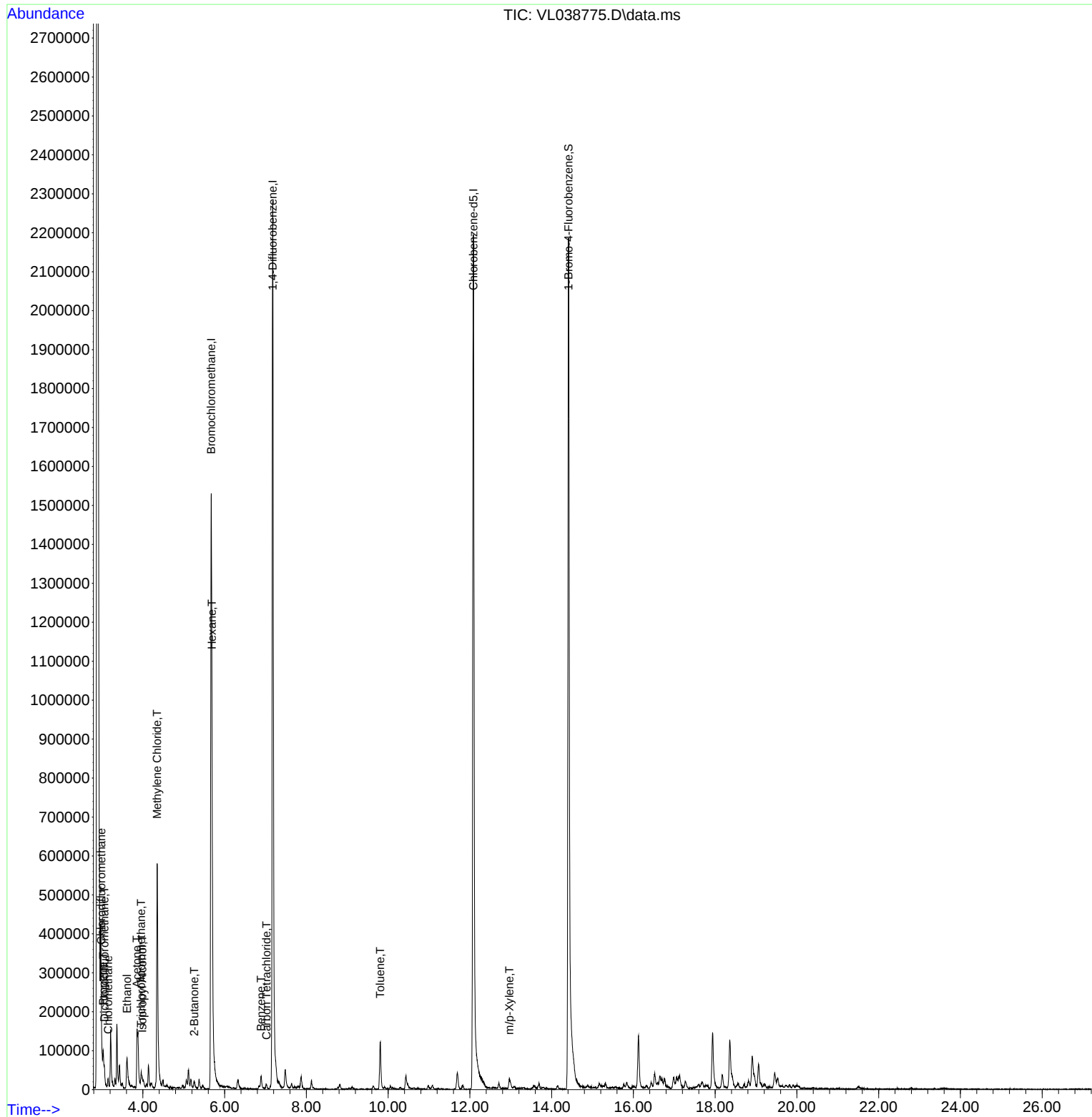
Quant Time: Mar 29 06:12:36 2022

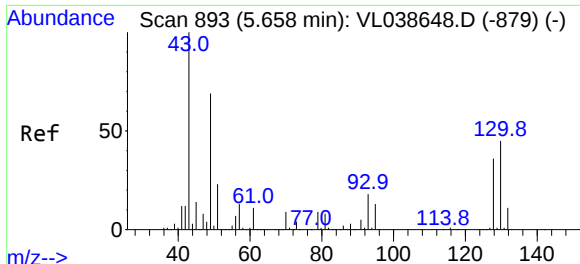
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar

QLast Update : Mon Mar 21 17:09:26 2022

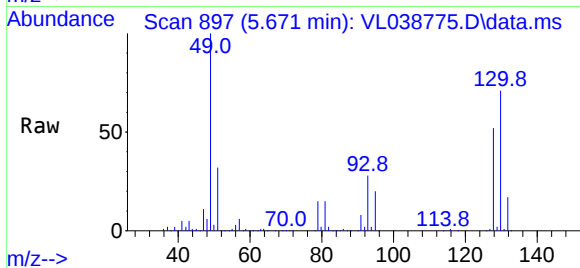
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. 0.013 min
Lab File: VL038775.D
Acq: 28 Mar 2022 17:37

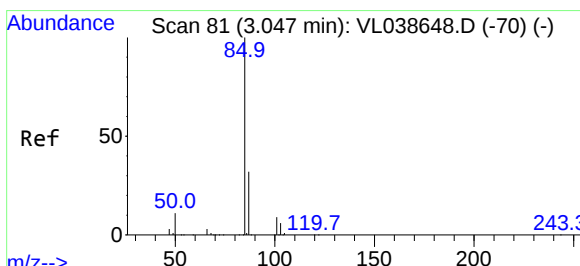
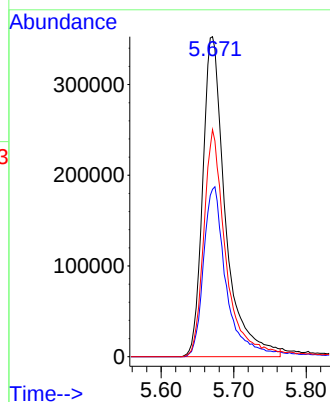
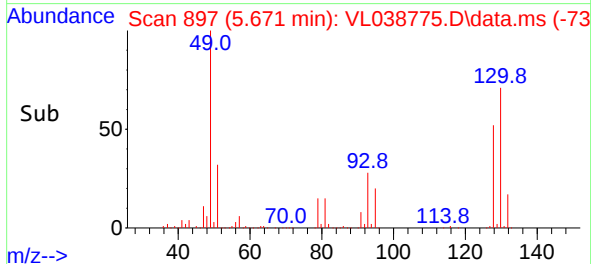
Instrument :
MSVOA_L
ClientSampleId :
V-5



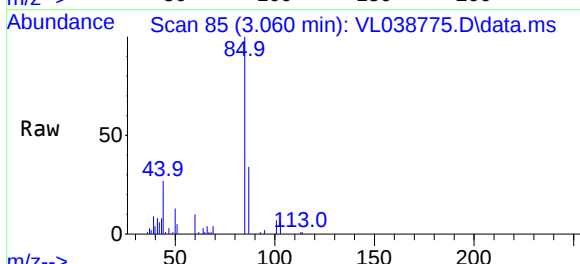
Tgt Ion: 49 Resp: 767154
Ion Ratio Lower Upper
49 100
128 54.3 26.2 78.6
130 71.4 33.7 101.1

Manual Integrations
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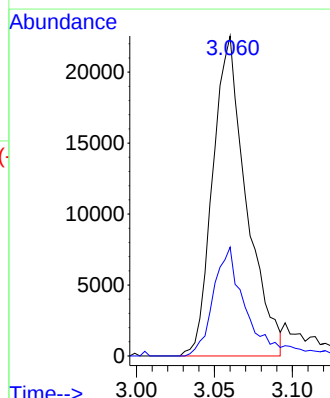
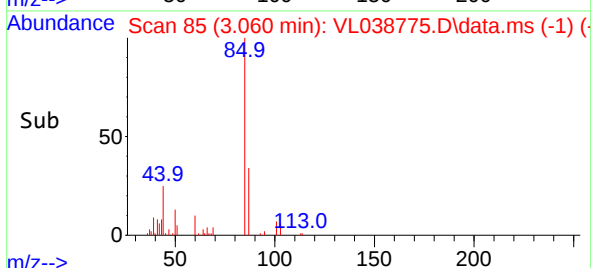
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

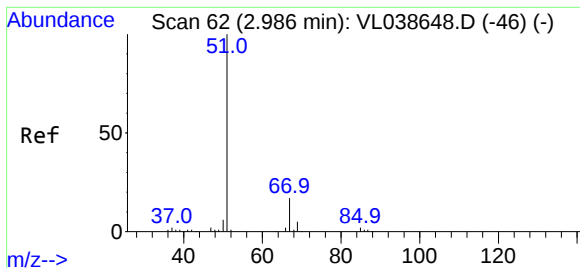


#2
Dichlorodifluoromethane
Concen: 0.328 ppbv
RT: 3.060 min Scan# 85
Delta R.T. 0.013 min
Lab File: VL038775.D
Acq: 28 Mar 2022 17:37



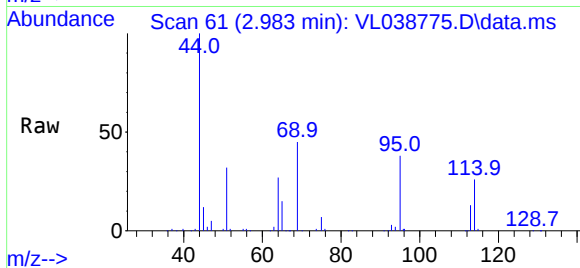
Tgt Ion: 85 Resp: 33811
Ion Ratio Lower Upper
85 100
87 34.0 26.0 39.0





#3
Chlorodifluoromethane
Concen: 0.472 ppbv m
RT: 2.983 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL038775.D
Acq: 28 Mar 2022 17:37

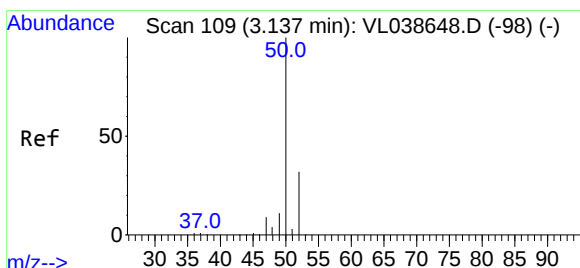
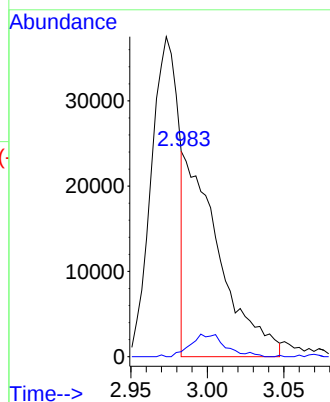
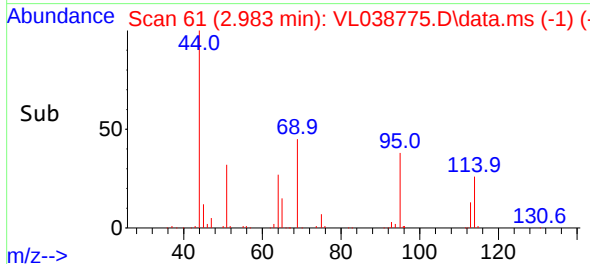
Instrument :
MSVOA_L
ClientSampleId :
V-5



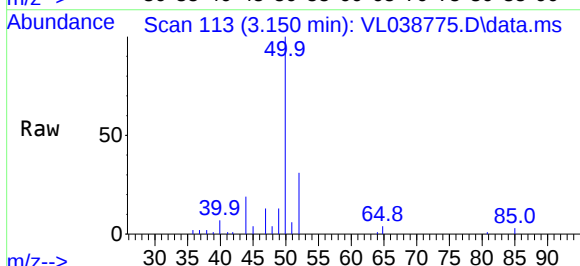
Tgt Ion: 51 Resp: 38210
Ion Ratio Lower Upper
51 100
67 11.0 14.1 21.1

Manual Integrations
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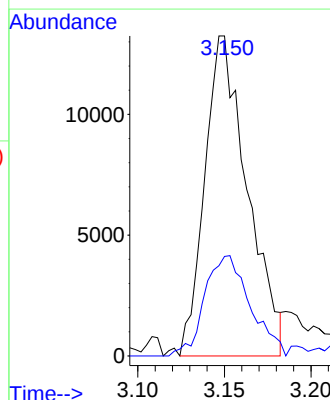
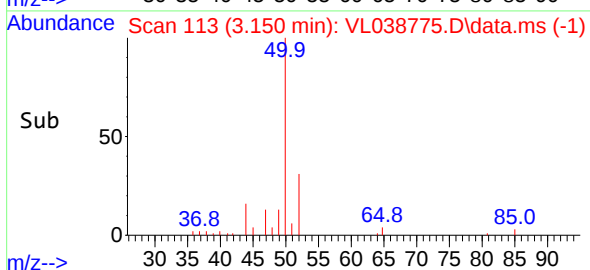
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

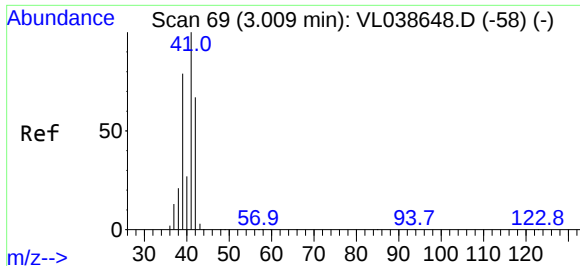


#4
Chloromethane
Concen: 0.510 ppbv
RT: 3.150 min Scan# 113
Delta R.T. 0.013 min
Lab File: VL038775.D
Acq: 28 Mar 2022 17:37



Tgt Ion: 50 Resp: 22676
Ion Ratio Lower Upper
50 100
52 29.0 25.5 38.3





#9

Propene

Concen: 0.617 ppbv m

RT: 3.028 min Scan# 71

Delta R.T. 0.019 min

Lab File: VL038775.D

Acq: 28 Mar 2022 17:37

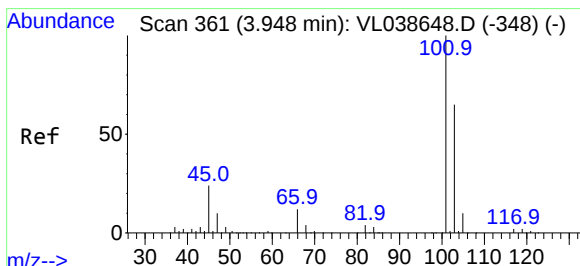
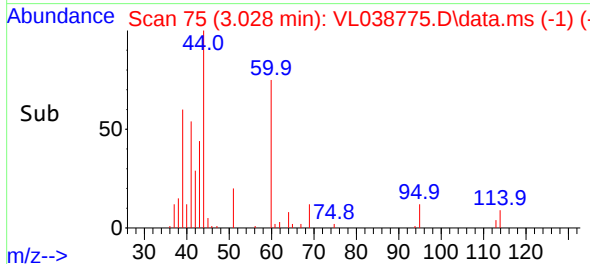
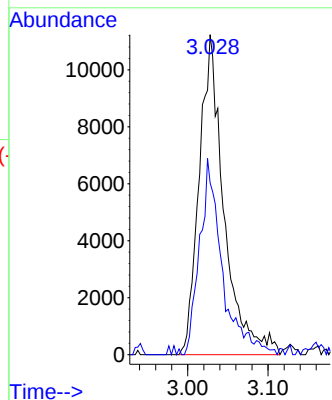
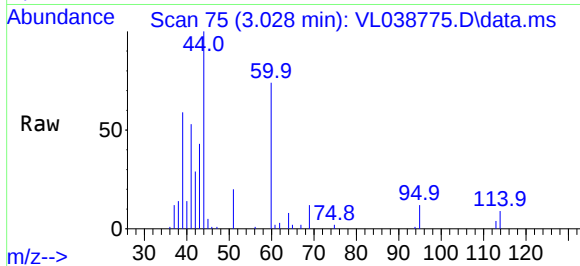
Instrument :
MSVOA_L
ClientSampleId :
V-5

Tgt Ion: 41 Resp: 2413

Ion	Ratio	Lower	Upper
41	100		
42	56.4	56.2	84.4

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Supervised By :Mahesh Dadoda 03/29/2022



#11

Trichlorofluoromethane

Concen: 0.281 ppbv

RT: 3.957 min Scan# 364

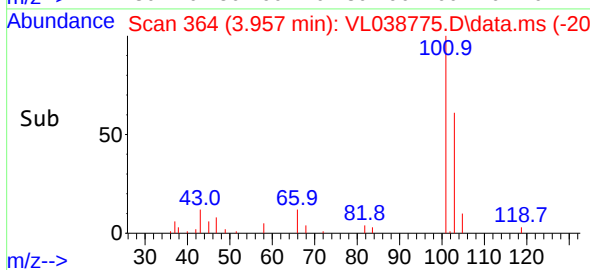
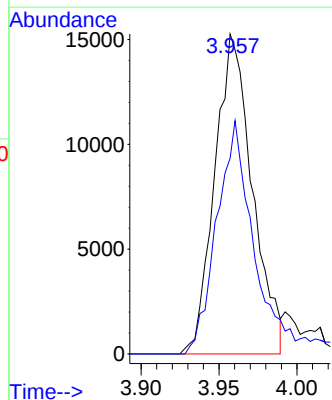
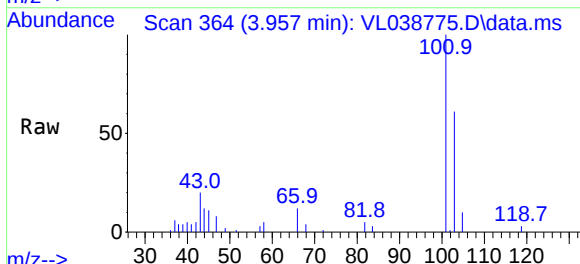
Delta R.T. 0.009 min

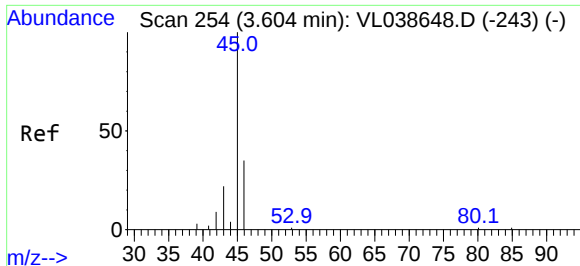
Lab File: VL038775.D

Acq: 28 Mar 2022 17:37

Tgt Ion:101 Resp: 25594

Ion	Ratio	Lower	Upper
101	100		
103	61.2	51.9	77.9





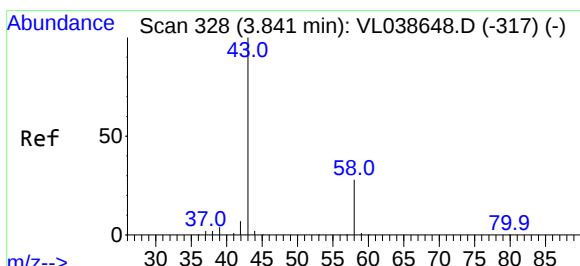
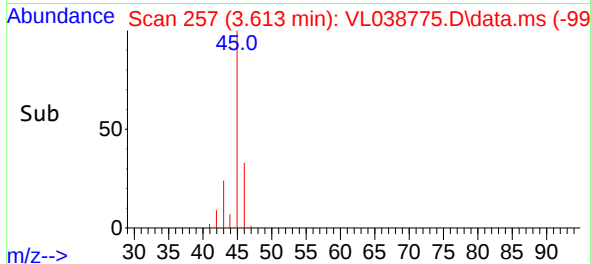
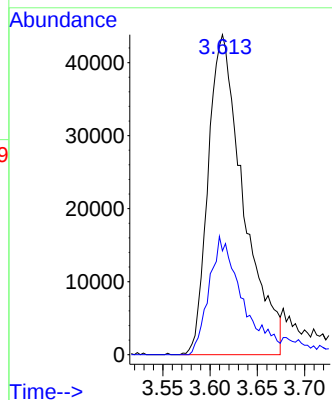
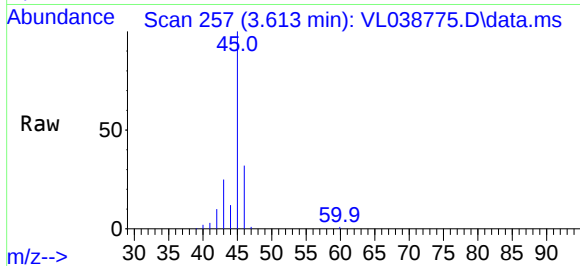
#13
Ethanol
Concen: 26.336 ppbv
RT: 3.613 min Scan# 211
Delta R.T. 0.009 min
Lab File: VL038775.D
Acq: 28 Mar 2022 17:37

Instrument :
MSVOA_L
ClientSampleId :
V-5

Tgt Ion: 45 Resp: 113638
Ion Ratio Lower Upper
45 100
46 40.5 15.1 60.5

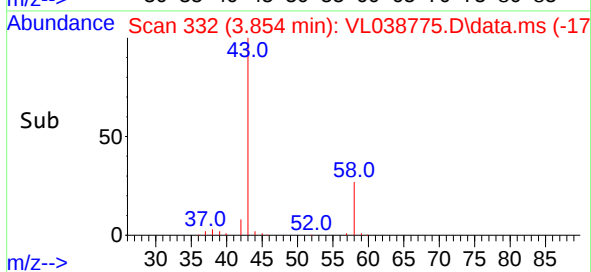
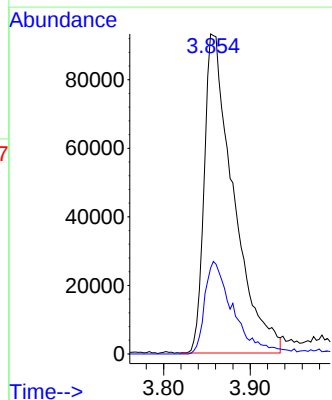
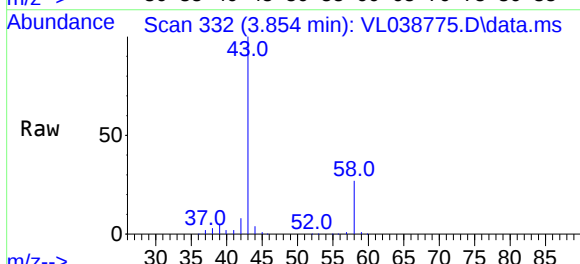
Manual Integrations
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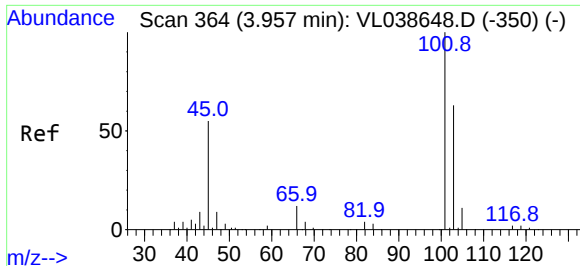
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#15
Acetone
Concen: 3.295 ppbv
RT: 3.854 min Scan# 332
Delta R.T. 0.013 min
Lab File: VL038775.D
Acq: 28 Mar 2022 17:37

Tgt Ion: 43 Resp: 218102
Ion Ratio Lower Upper
43 100
58 28.8 23.3 34.9





#19

Isopropyl Alcohol

Concen: 0.618 ppbv

RT: 3.983 min Scan# 31

Delta R.T. 0.026 min

Lab File: VL038775.D

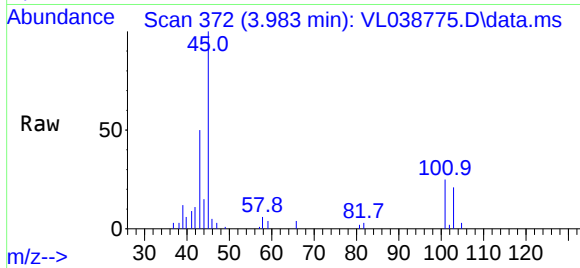
Acq: 28 Mar 2022 17:37

Instrument :

MSVOA_L

ClientSampleId :

V-5



Tgt Ion: 45 Resp: 22672

Ion Ratio Lower Upper

45 100

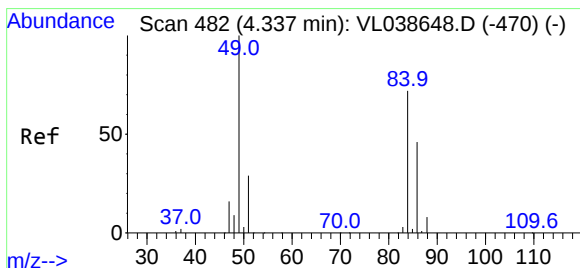
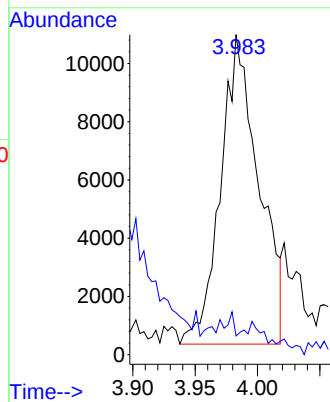
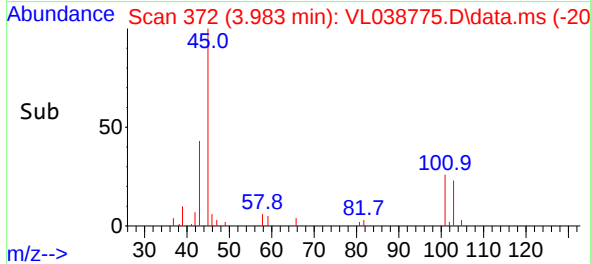
58 8.5 2.3 3.5

Manual Integrations

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Supervised By :Mahesh Dadoda 03/29/2022



#20

Methylene Chloride

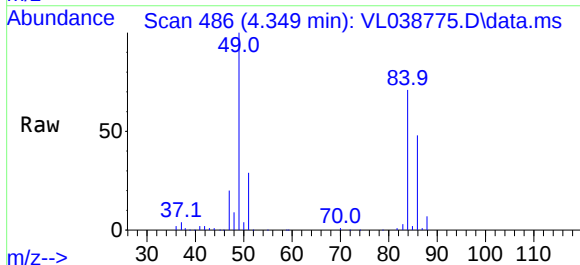
Concen: 9.465 ppbv

RT: 4.349 min Scan# 486

Delta R.T. 0.013 min

Lab File: VL038775.D

Acq: 28 Mar 2022 17:37



Tgt Ion: 84 Resp: 263907

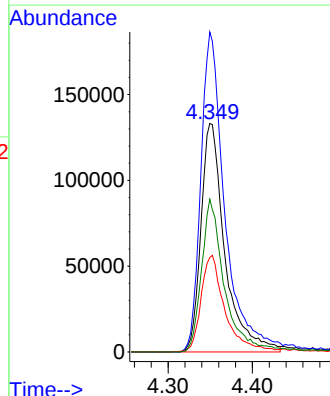
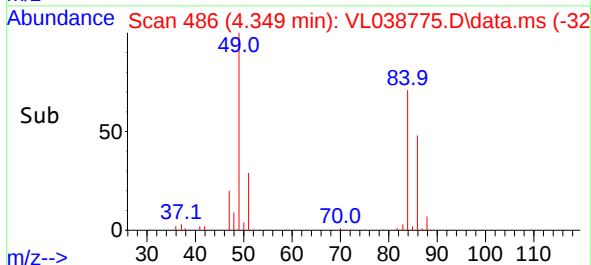
Ion Ratio Lower Upper

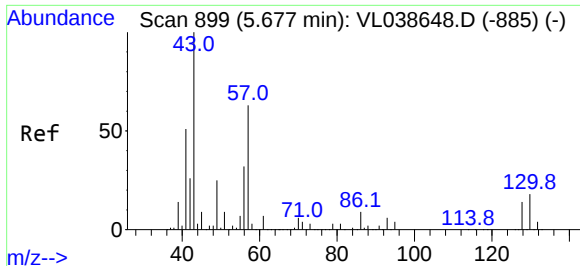
84 100

49 140.1 111.2 166.8

51 41.0 32.8 49.2

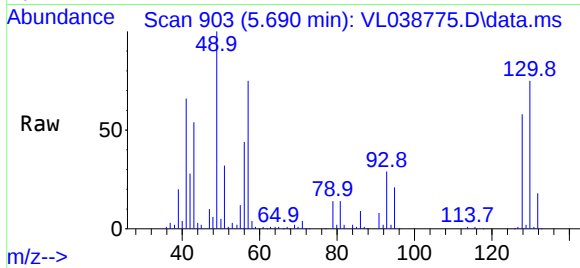
86 66.9 51.4 77.0





#26
Hexane
Concen: 2.650 ppbv
RT: 5.690 min Scan# 903
Delta R.T. 0.013 min
Lab File: VL038775.D
Acq: 28 Mar 2022 17:37

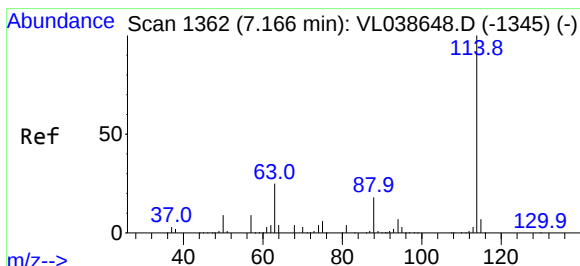
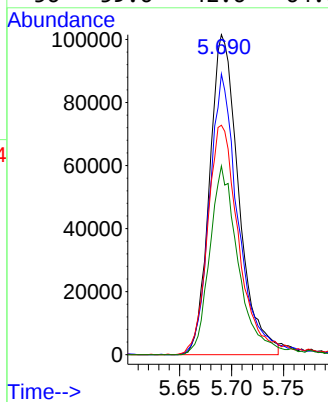
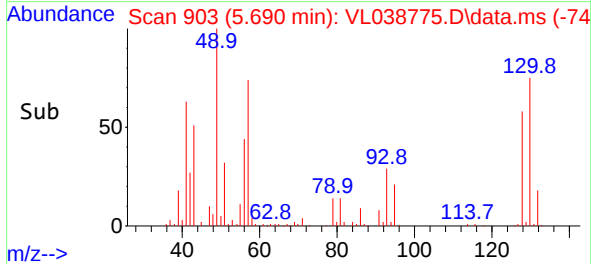
Instrument :
MSVOA_L
ClientSampleId :
V-5



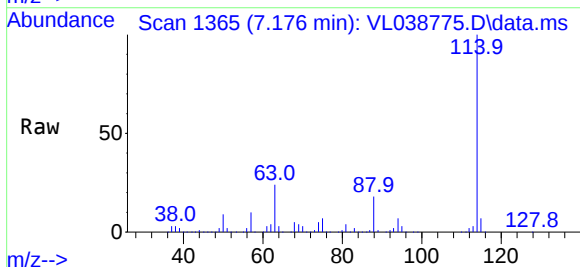
Tgt Ion: 57 Resp: 197689
Ion Ratio Lower Upper
57 100
41 87.9 67.0 100.4
43 79.6 184.2 276.2
56 59.6 42.6 64.0

Manual Integrations
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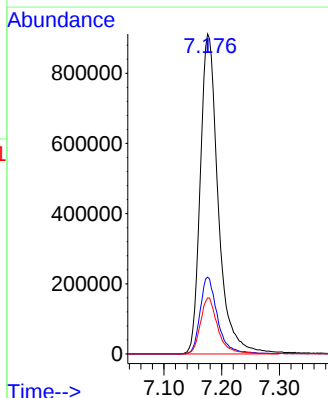
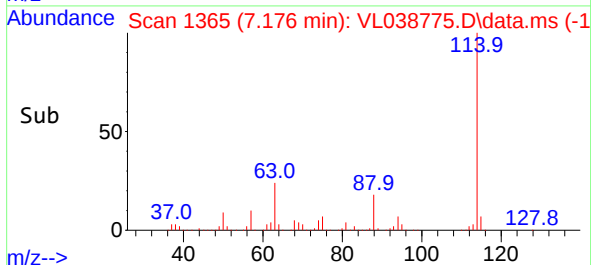
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

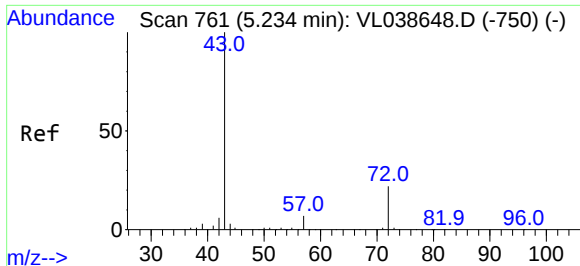


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.176 min Scan# 1365
Delta R.T. 0.009 min
Lab File: VL038775.D
Acq: 28 Mar 2022 17:37



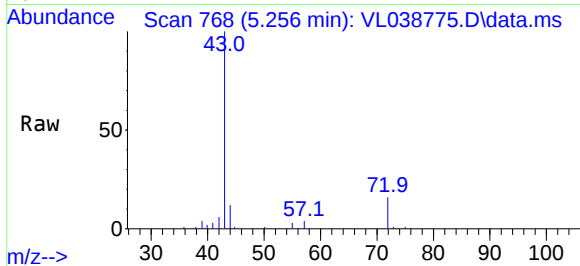
Tgt Ion:114 Resp: 1963562
Ion Ratio Lower Upper
114 100
63 23.5 19.4 29.0
88 17.3 13.9 20.9





#34
2-Butanone
Concen: 0.328 ppbv
RT: 5.256 min Scan# 768
Delta R.T. 0.022 min
Lab File: VL038775.D
Acq: 28 Mar 2022 17:37

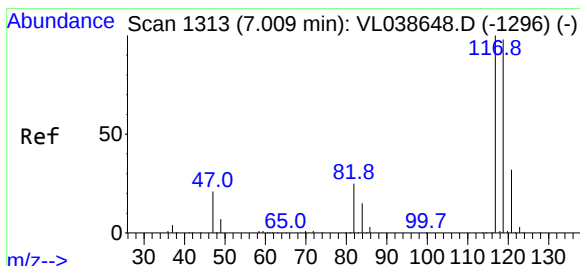
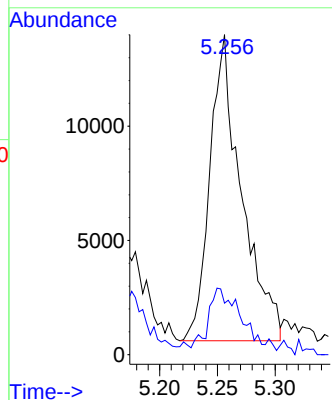
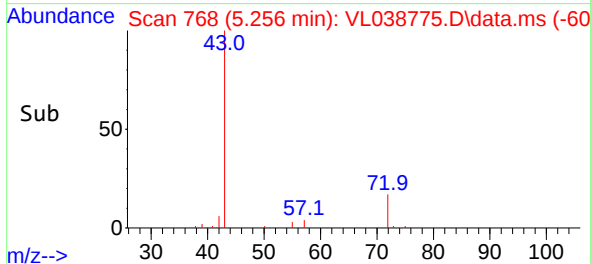
Instrument :
MSVOA_L
ClientSampleId :
V-5



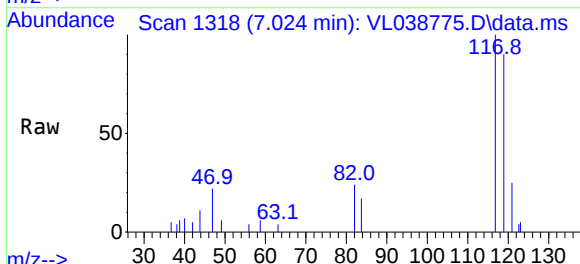
Tgt Ion: 43 Resp: 25468
Ion Ratio Lower Upper
43 100
72 28.1 17.8 26.8

Manual Integrations
APPROVED

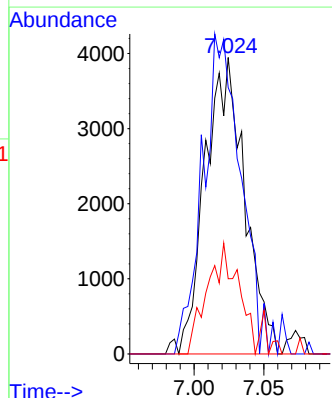
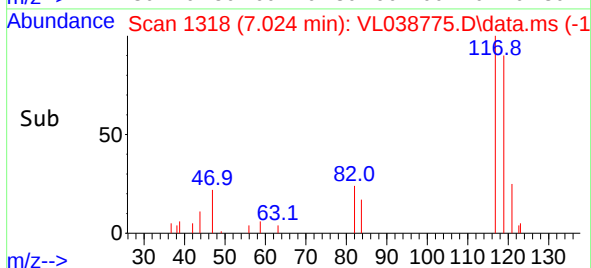
Reviewed By :Semsettin Yesilyurt 03/29/2022
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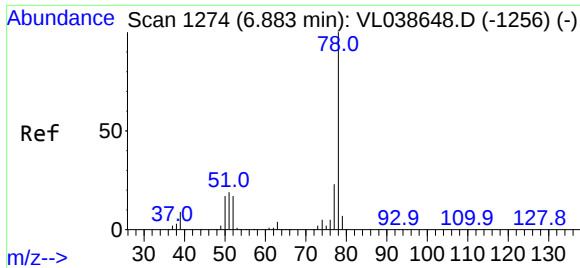


#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 7.024 min Scan# 1318
Delta R.T. 0.016 min
Lab File: VL038775.D
Acq: 28 Mar 2022 17:37



Tgt Ion:117 Resp: 7772
Ion Ratio Lower Upper
117 100
119 89.8 78.1 117.1
121 25.4 25.8 38.6





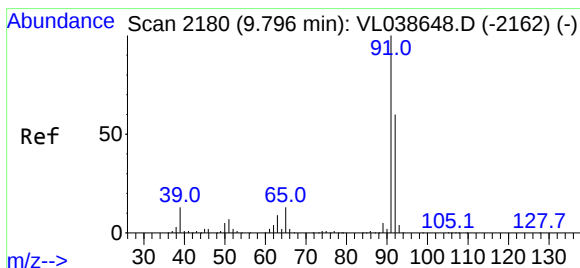
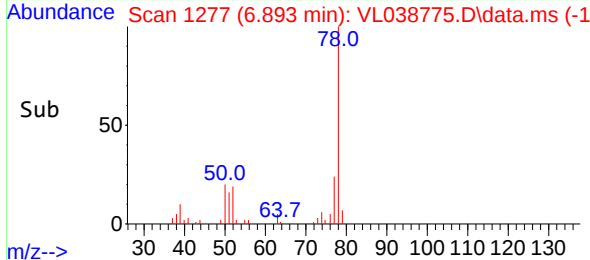
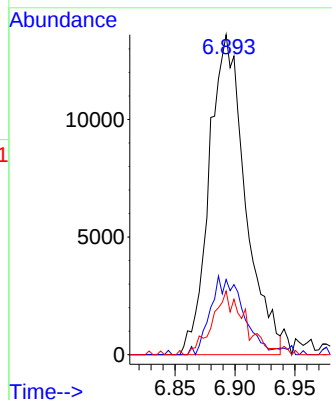
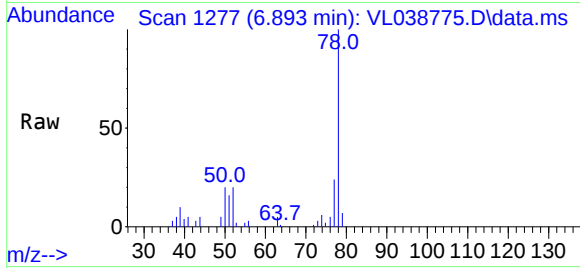
#36
Benzene
Concen: 0.187 ppbv
RT: 6.893 min Scan# 11
Delta R.T. 0.009 min
Lab File: VL038775.D
Acq: 28 Mar 2022 17:37

Instrument :
MSVOA_L
ClientSampleId :
V-5

Tgt Ion: 78	Resp: 2840
Ion Ratio	Lower Upper
78 100	
77 23.5	18.1 27.1
50 18.6	13.6 20.4

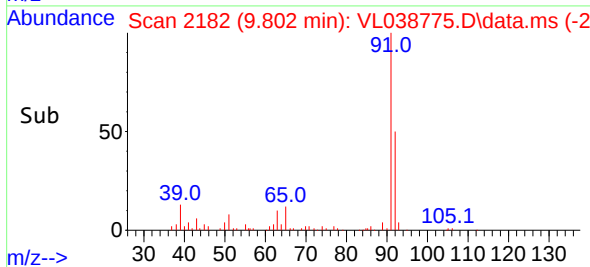
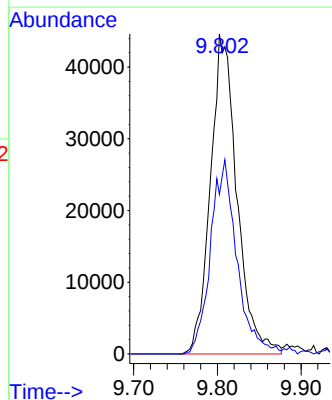
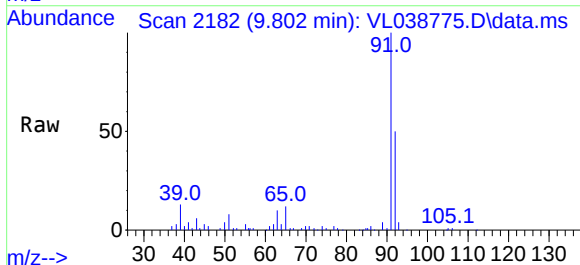
Manual Integrations
APPROVED

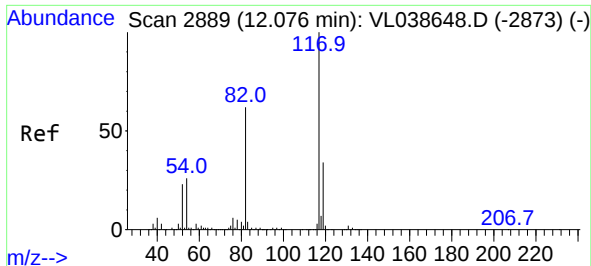
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022



#53
Toluene
Concen: 0.602 ppbv m
RT: 9.802 min Scan# 2182
Delta R.T. 0.006 min
Lab File: VL038775.D
Acq: 28 Mar 2022 17:37

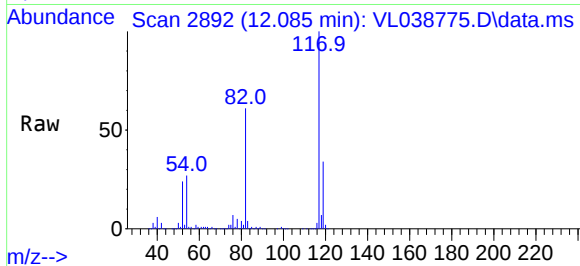
Tgt Ion: 91	Resp: 98002
Ion Ratio	Lower Upper
91 100	
92 61.1	48.7 73.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.085 min Scan# 21
Delta R.T. 0.009 min
Lab File: VL038775.D
Acq: 28 Mar 2022 17:37

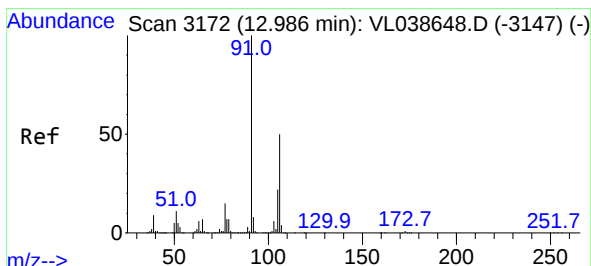
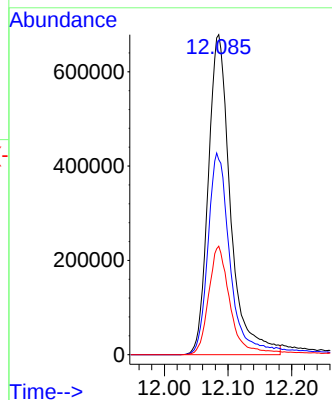
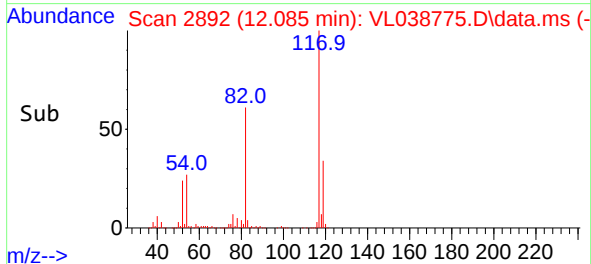
Instrument :
MSVOA_L
ClientSampleId :
V-5



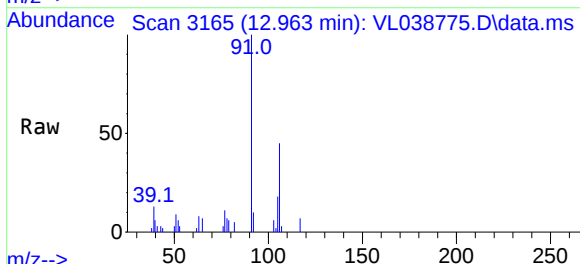
Tgt Ion:117 Resp: 1647900
Ion Ratio Lower Upper
117 100
82 65.3 51.6 77.4
119 34.5 26.9 40.3

Manual Integrations
APPROVED

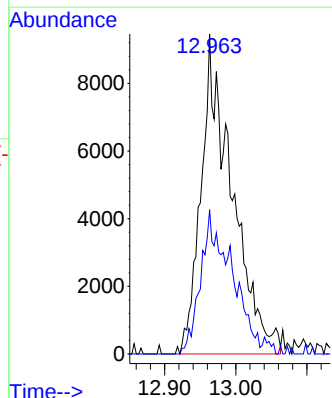
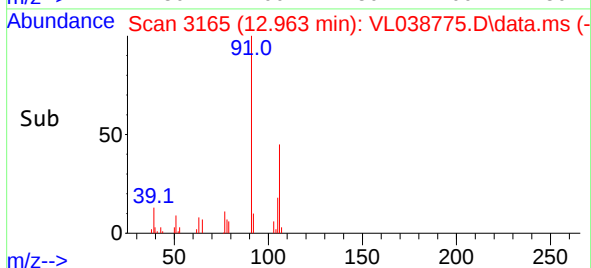
Reviewed By :Semsettin Yesilyurt 03/29/2022
Supervised By :Mahesh Dadoda 03/29/2022

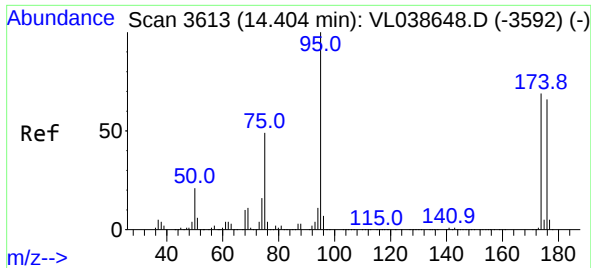


#59
m/p-Xylene
Concen: 0.169 ppbv m
RT: 12.963 min Scan# 3165
Delta R.T. -0.023 min
Lab File: VL038775.D
Acq: 28 Mar 2022 17:37



Tgt Ion: 91 Resp: 28467
Ion Ratio Lower Upper
91 100
106 0.0 37.2 55.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.649 ppbv
 RT: 14.413 min Scan# 30
 Delta R.T. 0.009 min
 Lab File: VL038775.D
 Acq: 28 Mar 2022 17:37

Instrument :
 MSVOA_L
 ClientSampleId :
 V-5

Tgt Ion: 95 Resp: 121911
 Ion Ratio Lower Upper
 95 100
 174 73.2 56.1 84.1
 175 5.0 4.2 6.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/29/2022
 Supervised By :Mahesh Dadoda 03/29/2022

