

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
 Data File : VL038693.D
 Acq On : 22 Mar 2022 21:03
 Operator : SY/AP
 Sample : N1961-13DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P76DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022
 Supervised By :Mahesh Dadoda 03/25/2022

Quant Time: Mar 23 04:16:44 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 23 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	5.652	49	837441	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.157	114	2269918	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.063	117	1980998	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.391	95	1453935	9.573	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.041	85	11880m	0.106	ppbv	
3) Chlorodifluoromethane	2.983	51	50924	0.576	ppbv	97
4) Chloromethane	3.134	50	5103m	0.105	ppbv	
9) Propene	3.012	41	29519	0.691	ppbv	97
13) Ethanol	3.600	45	20459m	4.343	ppbv	
15) Acetone	3.845	43	154266	2.135	ppbv #	79
19) Isopropyl Alcohol	3.970	45	5440m	0.136	ppbv	
20) Methylene Chloride	4.337	84	138983	4.566	ppbv	99
26) Hexane	5.674	57	166833	2.049	ppbv #	41
34) 2-Butanone	5.234	43	186892	2.080	ppbv	96
36) Benzene	6.874	78	69846	0.399	ppbv	94
41) Tetrahydrofuran	6.057	42	18387m	0.275	ppbv	
52) Tetrachloroethene	11.201	164	313687	4.893	ppbv	98
53) Toluene	9.787	91	93386	0.496	ppbv	100

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

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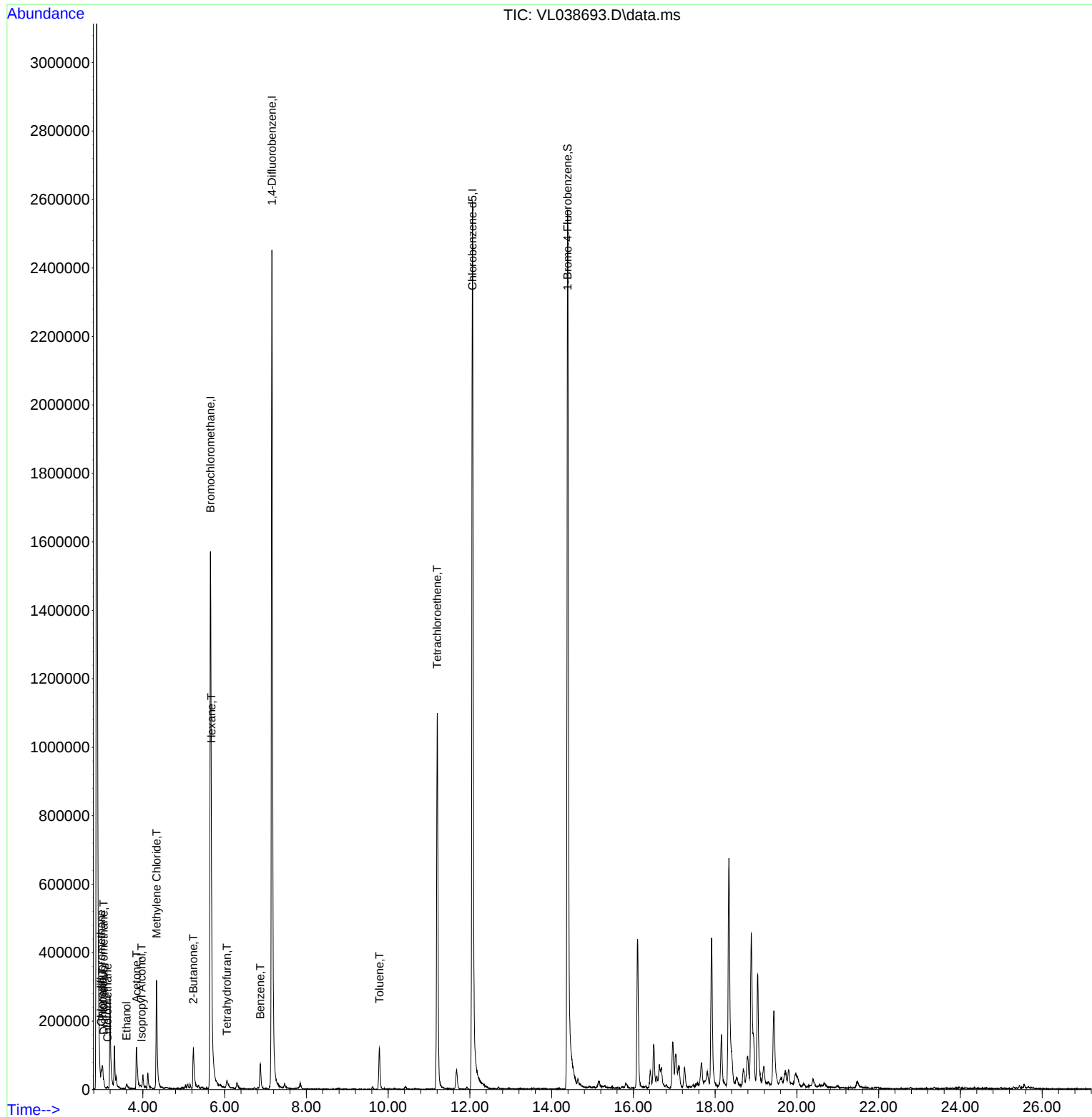
Quant Time: Mar 23 04:16:44 2022

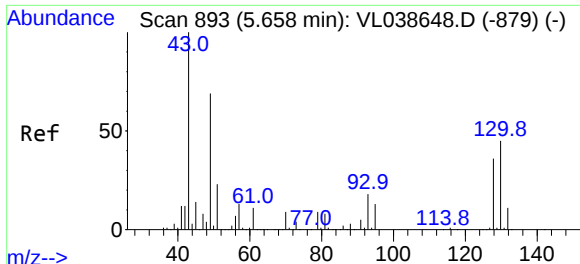
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

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

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

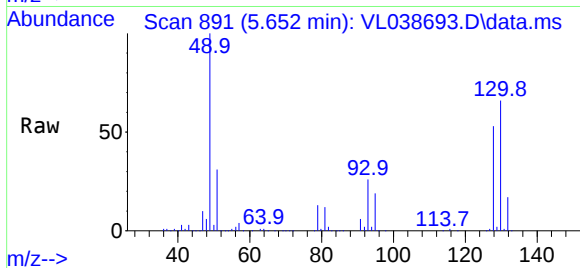
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.652 min Scan# 893
Delta R.T. -0.006 min
Lab File: VL038693.D
Acq: 22 Mar 2022 21:03

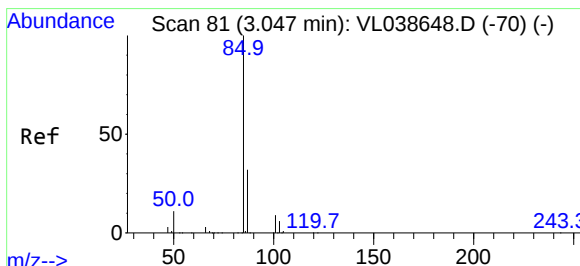
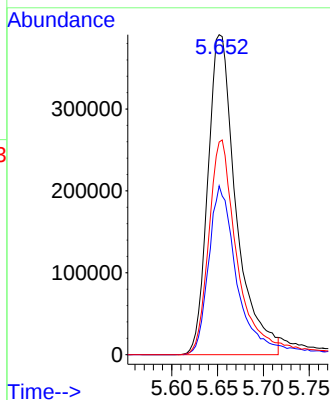
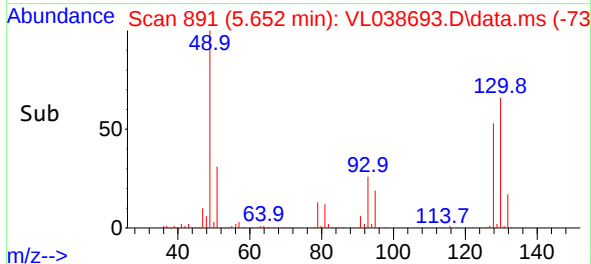
Instrument :
MSVOA_L
ClientSampleId :
COP76DL



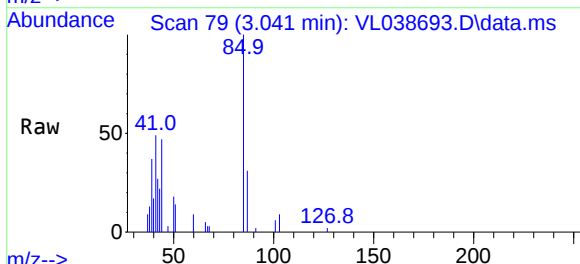
Tgt Ion: 49 Resp: 83744
Ion Ratio Lower Upper
49 100
128 54.5 26.2 78.6
130 70.9 33.7 101.1

Manual Integrations
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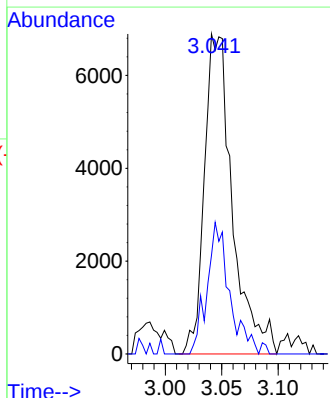
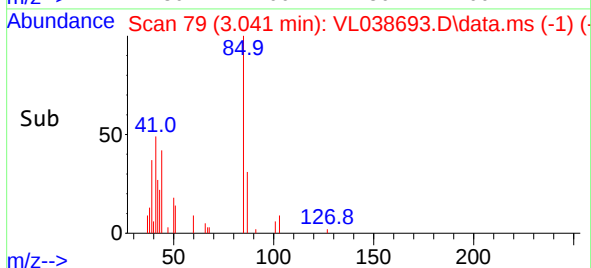
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022

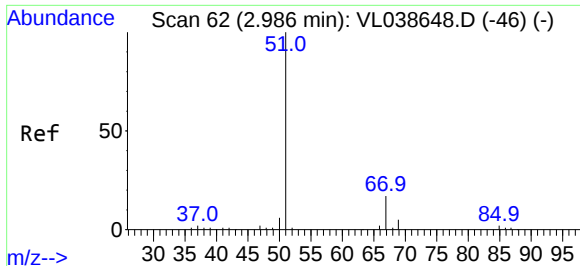


#2
Dichlorodifluoromethane
Concen: 0.106 ppbv m
RT: 3.041 min Scan# 79
Delta R.T. -0.006 min
Lab File: VL038693.D
Acq: 22 Mar 2022 21:03



Tgt Ion: 85 Resp: 11880
Ion Ratio Lower Upper
85 100
87 30.8 26.0 39.0





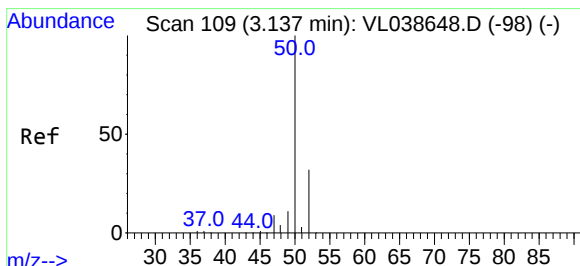
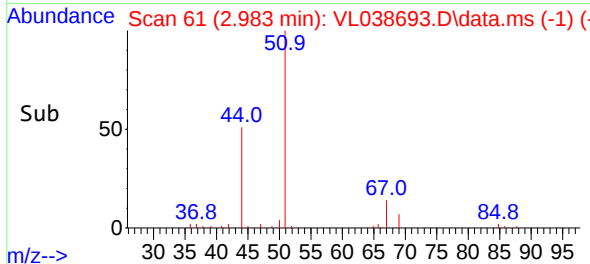
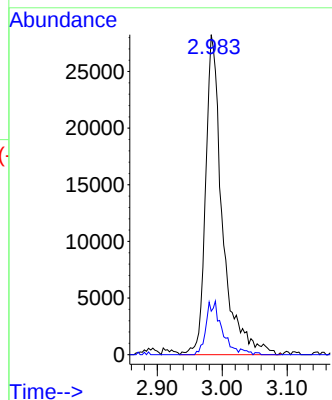
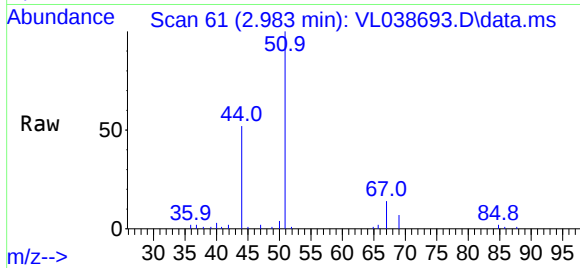
#3
Chlorodifluoromethane
Concen: 0.576 ppbv
RT: 2.983 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL038693.D
Acq: 22 Mar 2022 21:03

Instrument :
MSVOA_L
ClientSampleId :
COP76DL

Tgt Ion: 51 Resp: 50924
Ion Ratio Lower Upper
51 100
67 16.3 14.1 21.1

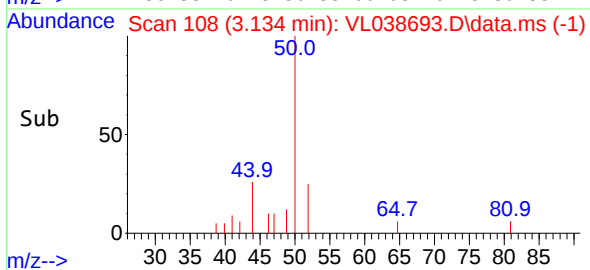
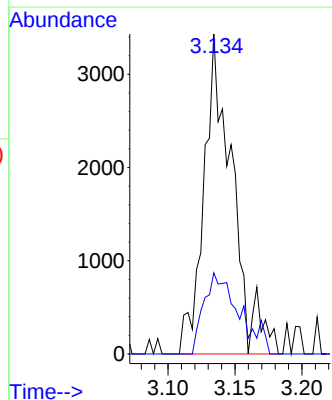
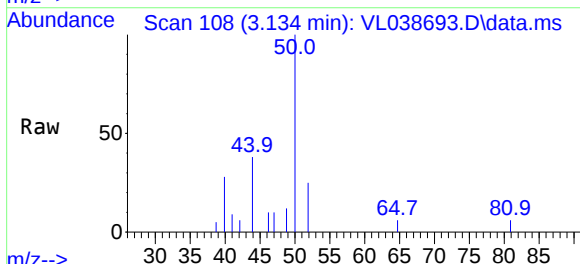
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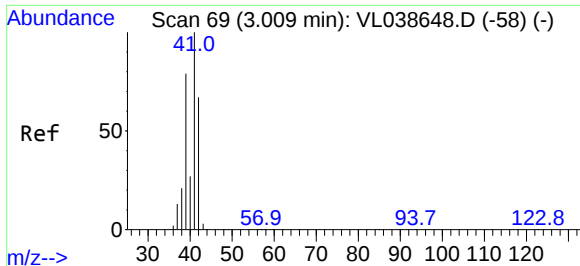
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#4
Chloromethane
Concen: 0.105 ppbv m
RT: 3.134 min Scan# 108
Delta R.T. -0.003 min
Lab File: VL038693.D
Acq: 22 Mar 2022 21:03

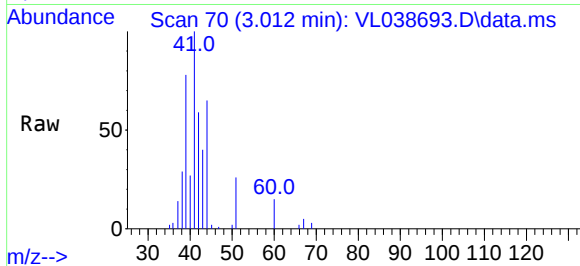
Tgt Ion: 50 Resp: 5103
Ion Ratio Lower Upper
50 100
52 25.4 25.5 38.3#





#9
 Propene
 Concen: 0.691 ppbv
 RT: 3.012 min Scan# 70
 Delta R.T. 0.003 min
 Lab File: VL038693.D
 Acq: 22 Mar 2022 21:03

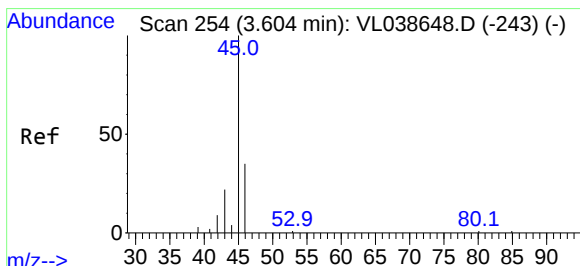
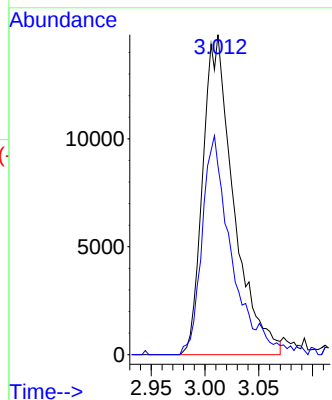
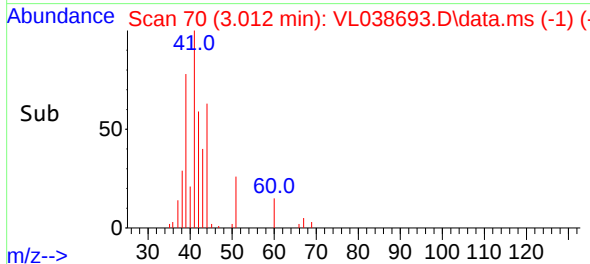
Instrument :
 MSVOA_L
 ClientSampleId :
 C0P76DL



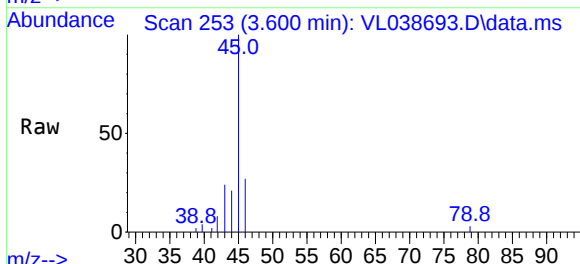
Tgt Ion: 41 Resp: 29519
 Ion Ratio Lower Upper
 41 100
 42 67.5 56.2 84.4

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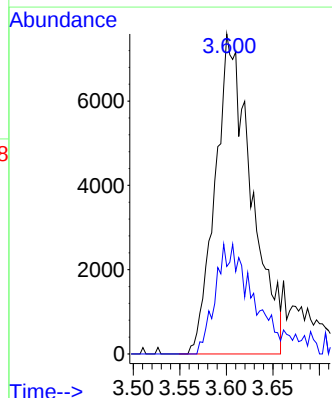
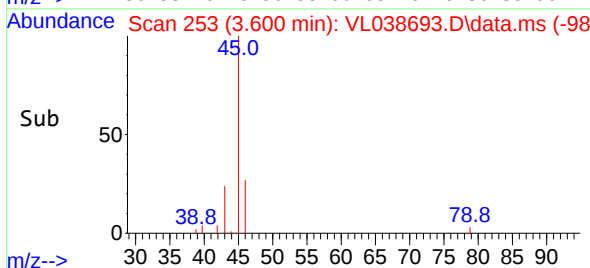
Reviewed By :Semsettin Yesilyurt 03/23/2022
 Supervised By :Mahesh Dadoda 03/25/2022

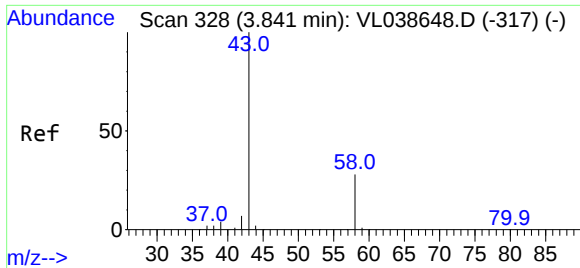


#13
 Ethanol
 Concen: 4.343 ppbv m
 RT: 3.600 min Scan# 253
 Delta R.T. -0.003 min
 Lab File: VL038693.D
 Acq: 22 Mar 2022 21:03



Tgt Ion: 45 Resp: 20459
 Ion Ratio Lower Upper
 45 100
 46 38.2 15.1 60.5





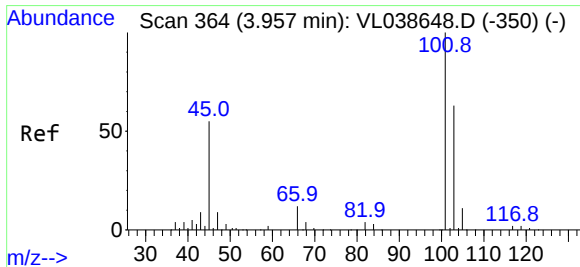
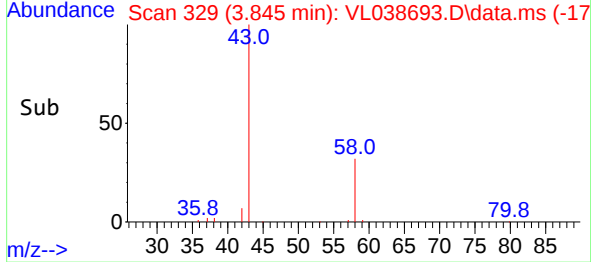
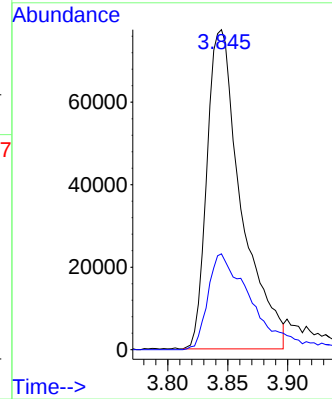
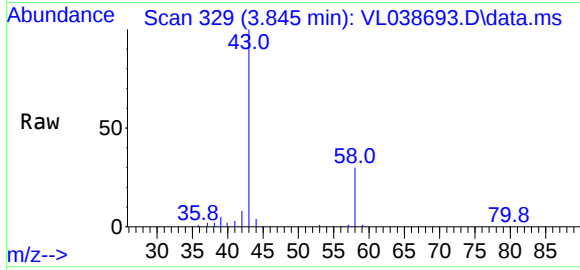
#15
Acetone
Concen: 2.135 ppbv
RT: 3.845 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL038693.D
Acq: 22 Mar 2022 21:03

Instrument :
MSVOA_L
ClientSampleId :
COP76DL

Tgt Ion: 43 Resp: 15426
Ion Ratio Lower Upper
43 100
58 40.3 23.3 34.9

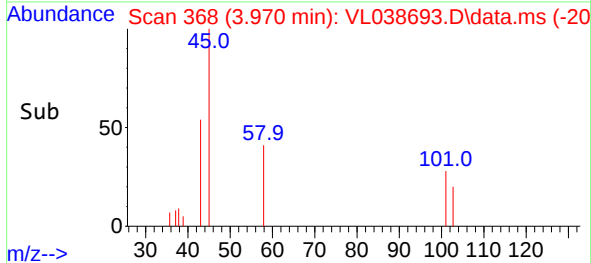
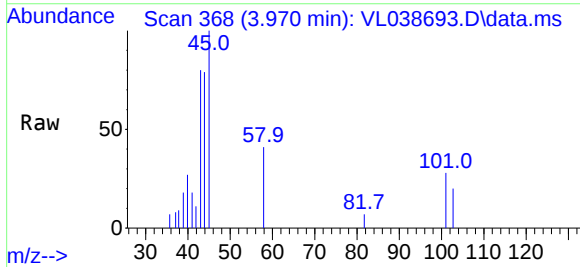
Manual Integrations
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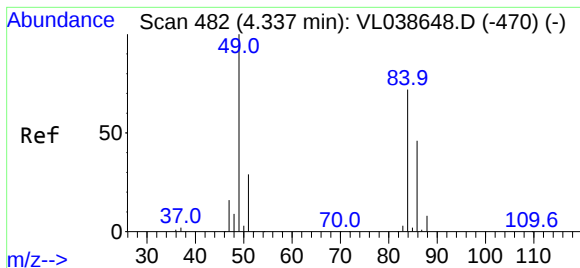
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#19
Isopropyl Alcohol
Concen: 0.136 ppbv m
RT: 3.970 min Scan# 368
Delta R.T. 0.013 min
Lab File: VL038693.D
Acq: 22 Mar 2022 21:03

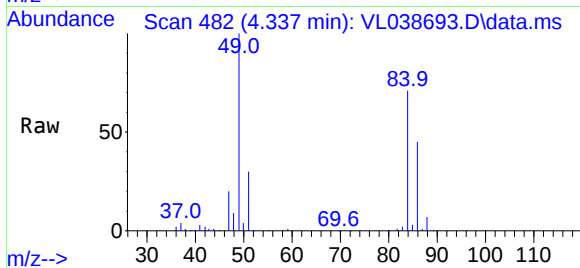
Tgt Ion: 45 Resp: 5440
Ion Ratio Lower Upper
45 100
58 0.0 2.3 3.5





#20
Methylene Chloride
Concen: 4.566 ppbv
RT: 4.337 min Scan# 482
Delta R.T. 0.000 min
Lab File: VL038693.D
Acq: 22 Mar 2022 21:03

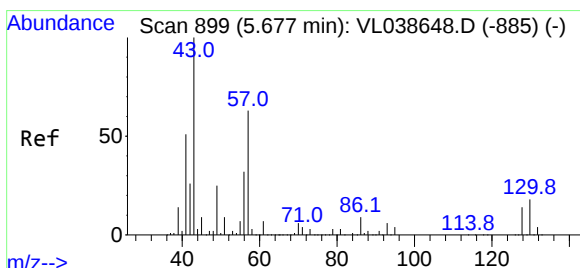
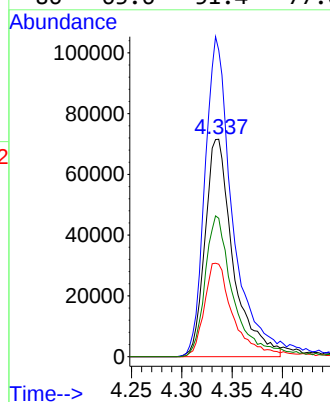
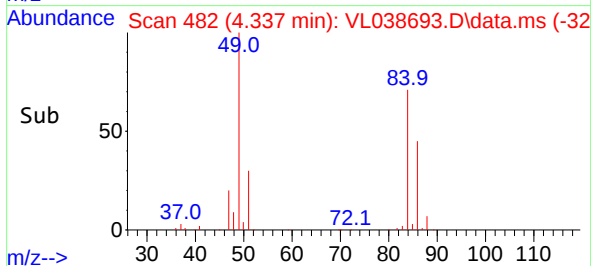
Instrument :
MSVOA_L
ClientSampleId :
COP76DL



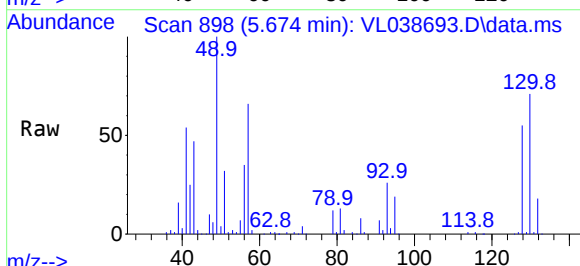
Tgt Ion: 84 Resp: 13898
Ion Ratio Lower Upper
84 100
49 140.5 111.2 166.8
51 42.5 32.8 49.2
86 63.6 51.4 77.0

Manual Integrations
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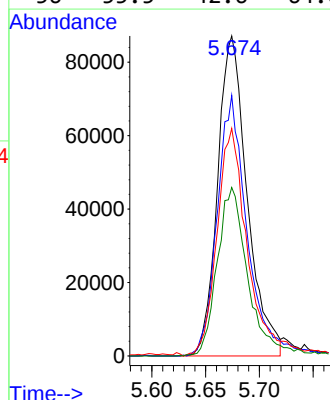
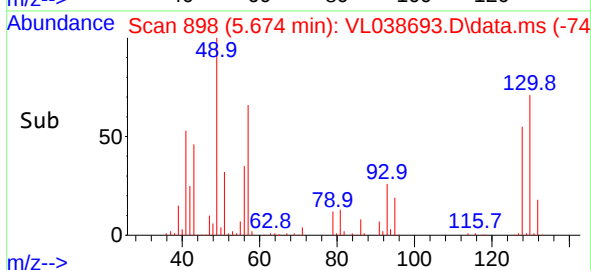
Reviewed By :Semsettin Yesilyurt 03/23/2022
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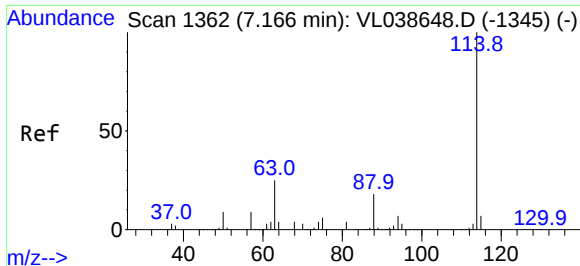


#26
Hexane
Concen: 2.049 ppbv
RT: 5.674 min Scan# 898
Delta R.T. -0.003 min
Lab File: VL038693.D
Acq: 22 Mar 2022 21:03



Tgt Ion: 57 Resp: 166833
Ion Ratio Lower Upper
57 100
41 85.3 67.0 100.4
43 75.9 184.2 276.2#
56 55.5 42.6 64.0





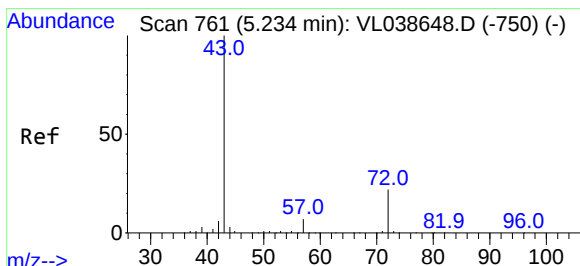
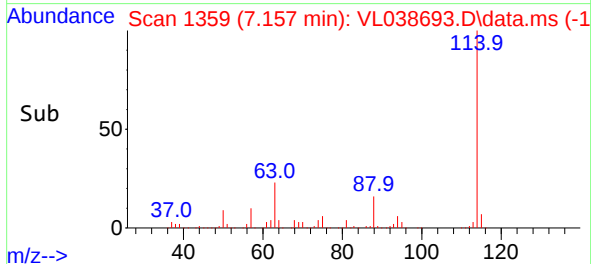
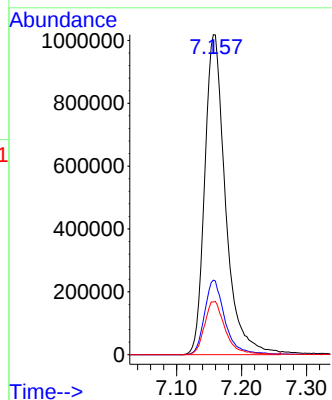
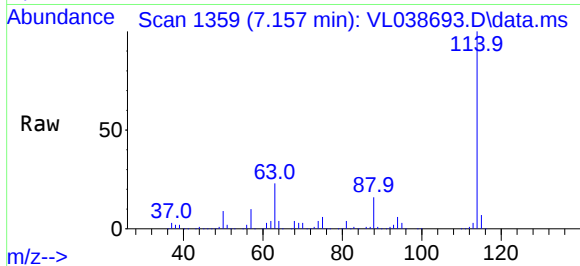
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1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.157 min Scan# 114
Delta R.T. -0.010 min
Lab File: VL038693.D
Acq: 22 Mar 2022 21:03

Instrument :
MSVOA_L
ClientSampleId :
COP76DL

Tgt Ion:114 Resp: 2269918
Ion Ratio Lower Upper
114 100
63 23.1 19.4 29.0
88 16.8 13.9 20.9

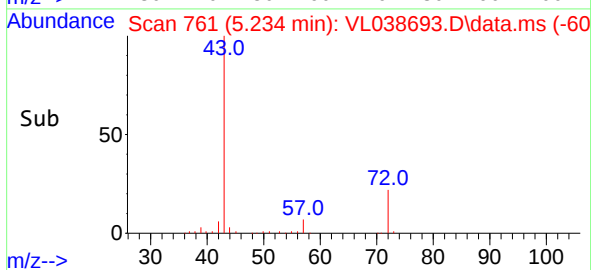
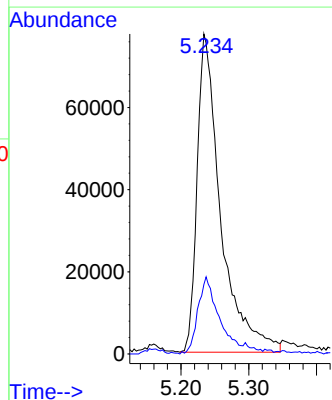
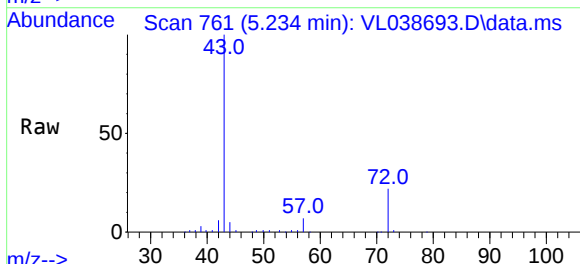
Manual Integrations
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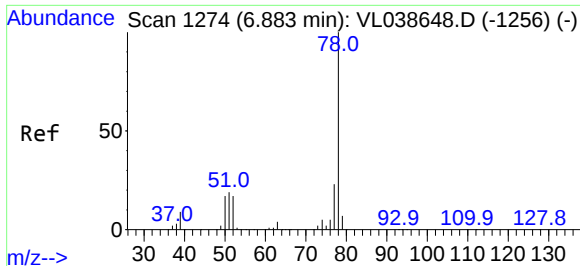
Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#34
2-Butanone
Concen: 2.080 ppbv
RT: 5.234 min Scan# 761
Delta R.T. 0.000 min
Lab File: VL038693.D
Acq: 22 Mar 2022 21:03

Tgt Ion: 43 Resp: 186892
Ion Ratio Lower Upper
43 100
72 24.0 17.8 26.8





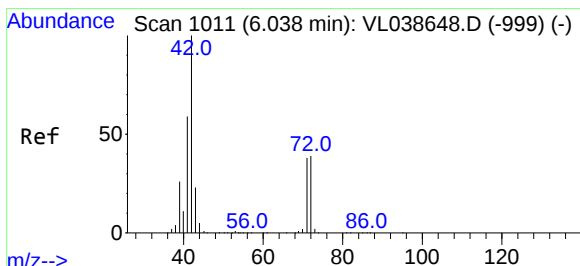
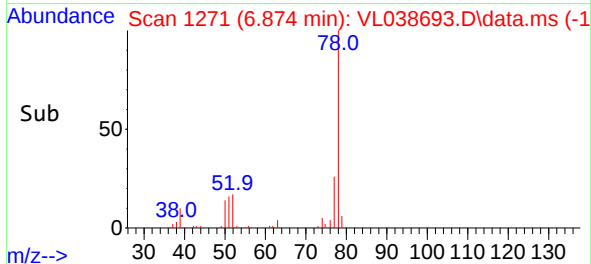
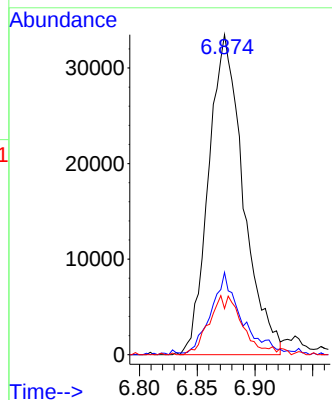
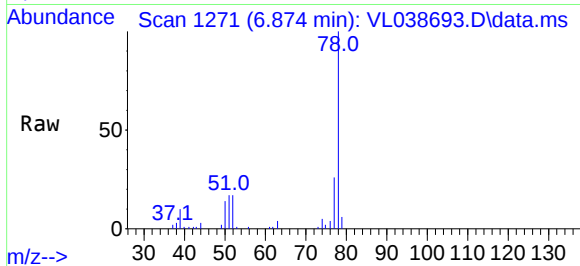
#36
Benzene
Concen: 0.399 ppbv
RT: 6.874 min Scan# 1017
Delta R.T. -0.010 min
Lab File: VL038693.D
Acq: 22 Mar 2022 21:03

Instrument :
MSVOA_L
ClientSampleId :
COP76DL

Tgt Ion: 78 Resp: 69840
Ion Ratio Lower Upper
78 100
77 25.2 18.1 27.1
50 14.4 13.6 20.4

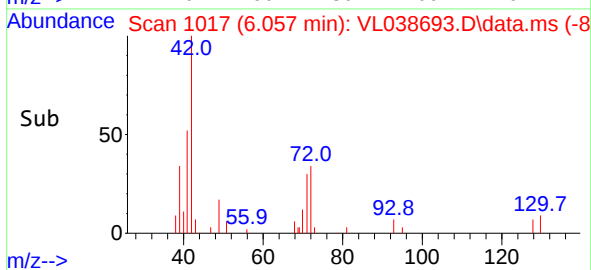
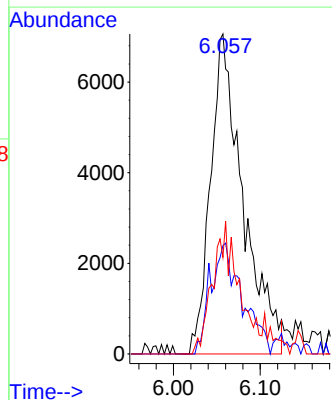
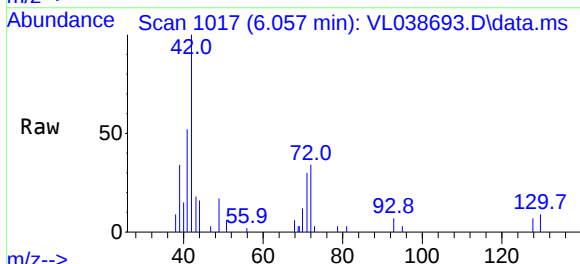
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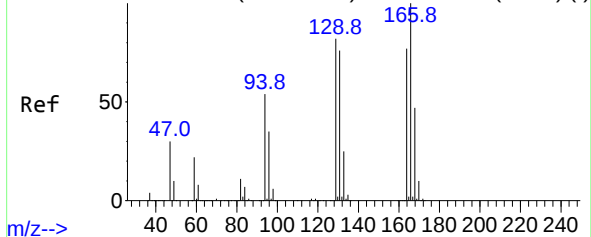


#41
Tetrahydrofuran
Concen: 0.275 ppbv m
RT: 6.057 min Scan# 1017
Delta R.T. 0.019 min
Lab File: VL038693.D
Acq: 22 Mar 2022 21:03

Tgt Ion: 42 Resp: 18387
Ion Ratio Lower Upper
42 100
72 36.4 32.5 48.7
71 38.7 31.4 47.2



Abundance Scan 2620 (11.211 min): VL038648.D (-2603) (-)



#52

Tetrachloroethene

Concen: 4.893 ppbv

RT: 11.201 min Scan# 2177

Delta R.T. -0.010 min

Lab File: VL038693.D

Acq: 22 Mar 2022 21:03

Instrument :

MSVOA_L

ClientSampleId :

C0P76DL

Tgt Ion:164 Resp: 31368

Ion Ratio Lower Upper

164 100

166 126.2 103.3 154.9

129 103.3 85.2 127.8

131 98.9 78.3 117.5

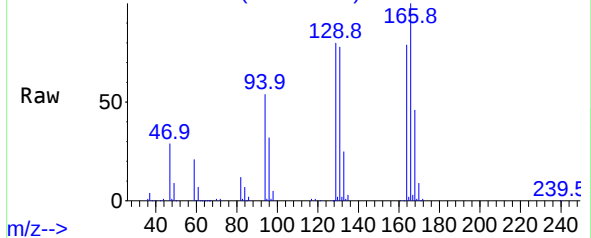
Manual Integrations

APPROVED

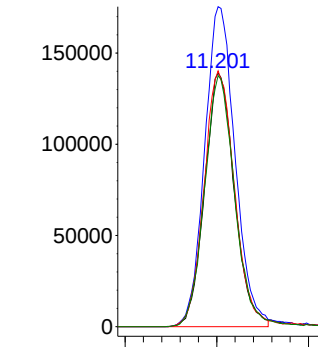
Reviewed By :Semsettin Yesilyurt 03/23/2022

Supervised By :Mahesh Dadoda 03/25/2022

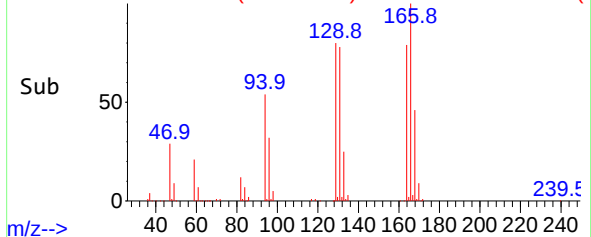
Abundance Scan 2617 (11.201 min): VL038693.D\data.ms



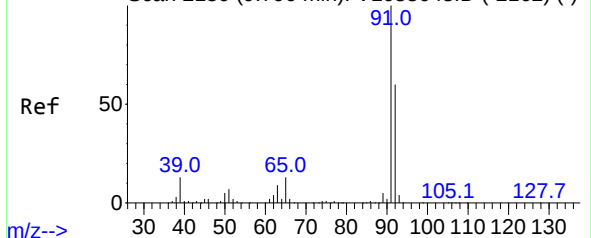
Abundance



Abundance Scan 2617 (11.201 min): VL038693.D\data.ms (-)



Abundance Scan 2180 (9.796 min): VL038648.D (-2162) (-)



#53

Toluene

Concen: 0.496 ppbv

RT: 9.787 min Scan# 2177

Delta R.T. -0.010 min

Lab File: VL038693.D

Acq: 22 Mar 2022 21:03

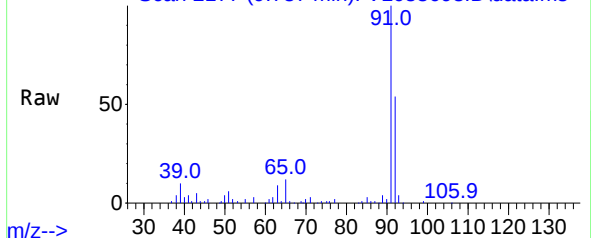
Tgt Ion: 91 Resp: 93386

Ion Ratio Lower Upper

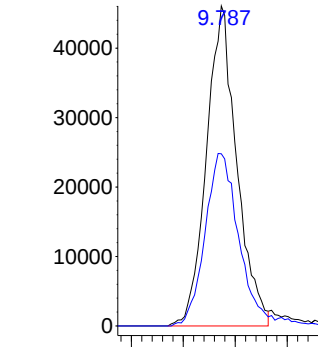
91 100

92 61.2 48.7 73.1

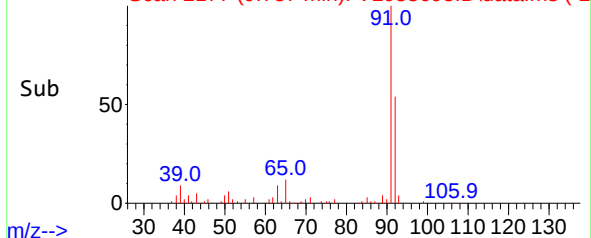
Abundance Scan 2177 (9.787 min): VL038693.D\data.ms

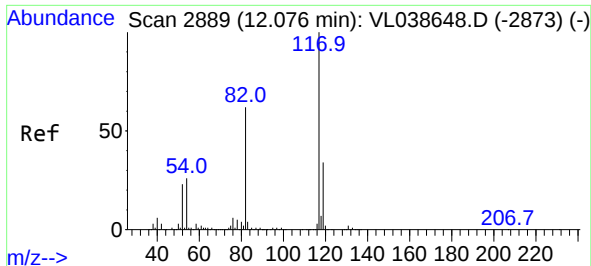


Abundance



Abundance Scan 2177 (9.787 min): VL038693.D\data.ms (-2)





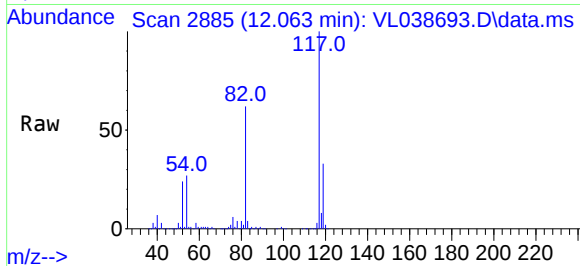
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.063 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL038693.D
Acq: 22 Mar 2022 21:03

Instrument :

MSVOA_L

ClientSampleId :

C0P76DL

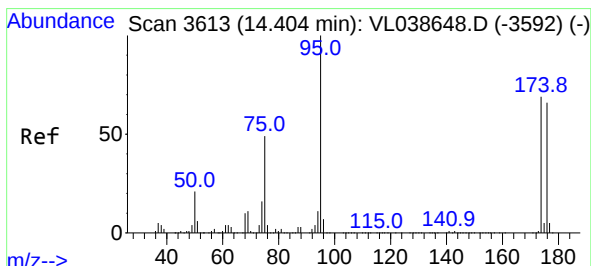
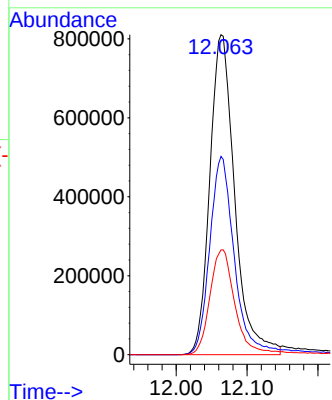
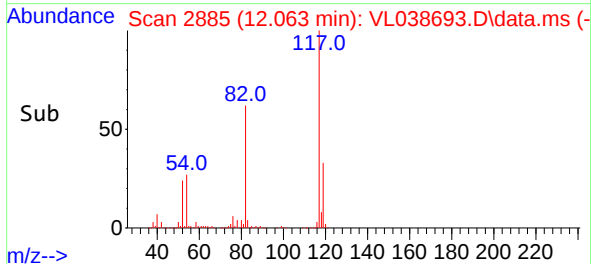


Tgt Ion: 117 Resp: 1980998
Ion Ratio Lower Upper
117 100
82 64.5 51.6 77.4
119 34.3 26.9 40.3

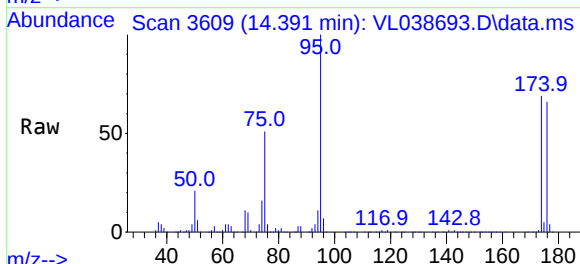
Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/23/2022
Supervised By :Mahesh Dadoda 03/25/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.573 ppbv
RT: 14.391 min Scan# 3609
Delta R.T. -0.013 min
Lab File: VL038693.D
Acq: 22 Mar 2022 21:03



Tgt Ion: 95 Resp: 1453935
Ion Ratio Lower Upper
95 100
174 73.9 56.1 84.1
175 5.3 4.2 6.2

