

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032222\
 Data File : VL038691.D
 Acq On : 22 Mar 2022 19:44
 Operator : SY/AP
 Sample : N1961-12DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P75DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2022
 Supervised By :Mahesh Dadoda 03/25/2022

Quant Time: Mar 23 04:16:13 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	5.655	49	881077	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.160	114	2345082	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.066	117	2042886	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.394	95	1480804	9.454	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.500%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.986	51	13288	0.143	ppbv	96
9) Propene	3.012	41	36933	0.822	ppbv	91
13) Ethanol	3.610	45	32541m	6.566	ppbv	
15) Acetone	3.845	43	228044	3.000	ppbv #	84
19) Isopropyl Alcohol	3.973	45	8962m	0.213	ppbv	
20) Methylene Chloride	4.333	84	120791	3.772	ppbv	96
26) Hexane	5.677	57	171855	2.006	ppbv #	40
30) Cyclohexane	7.118	84	13484m	0.181	ppbv	
34) 2-Butanone	5.240	43	279350	3.010	ppbv	96
52) Tetrachloroethene	11.204	164	280496	4.235	ppbv	98
53) Toluene	9.787	91	556727	2.863	ppbv	100

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

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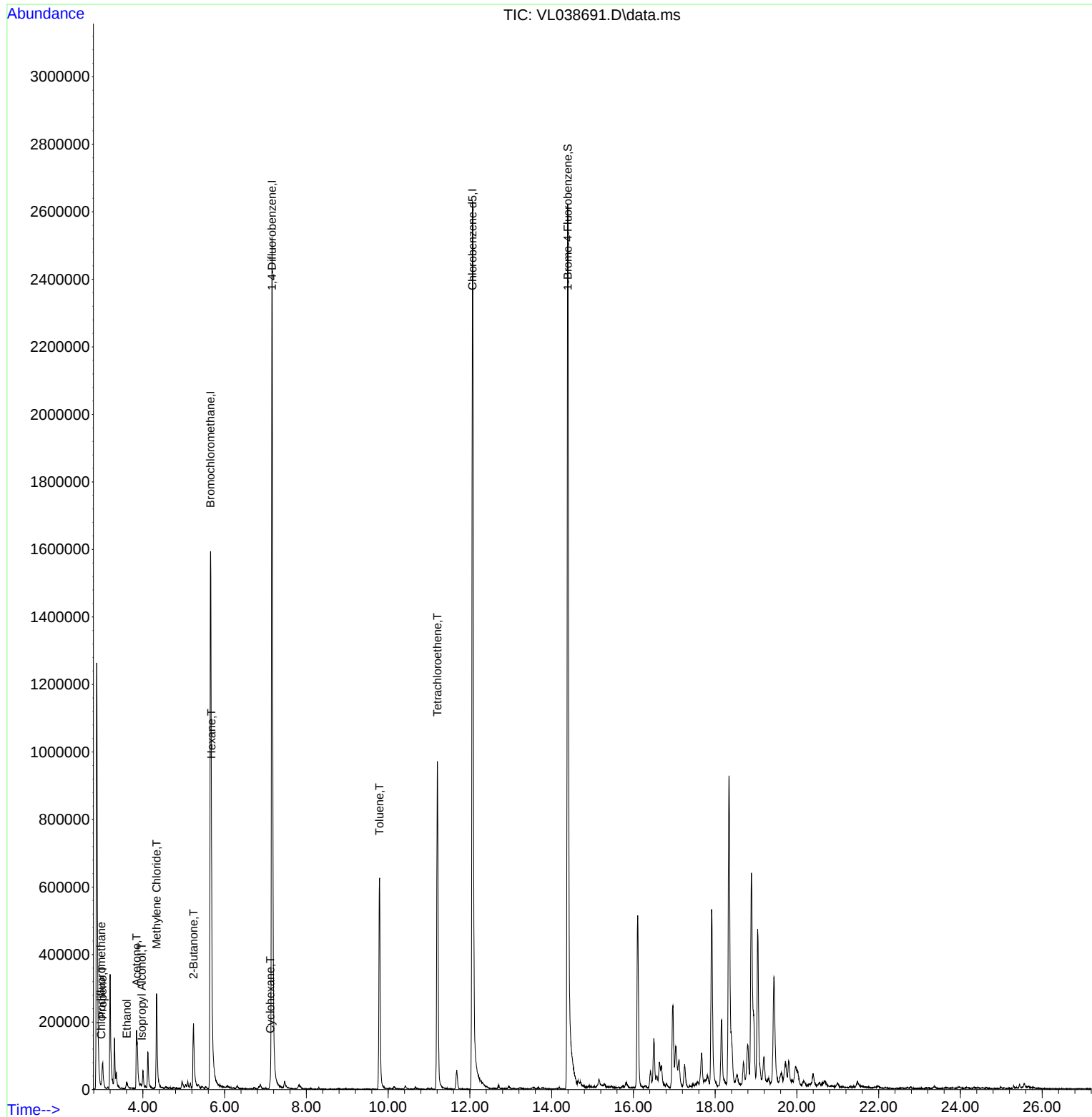
Quant Time: Mar 23 04:16:13 2022

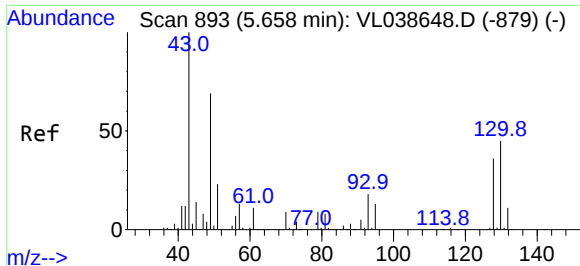
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M

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

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

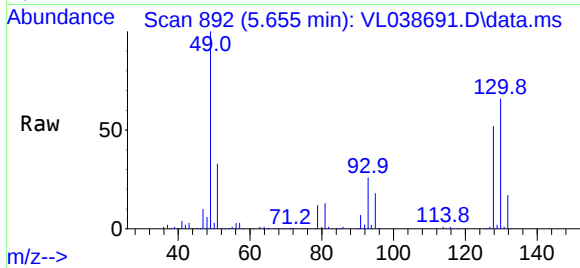
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.655 min Scan# 893
Delta R.T. -0.003 min
Lab File: VL038691.D
Acq: 22 Mar 2022 19:44

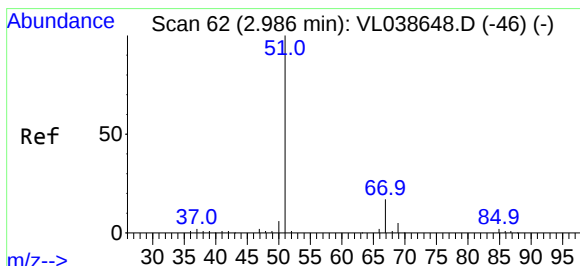
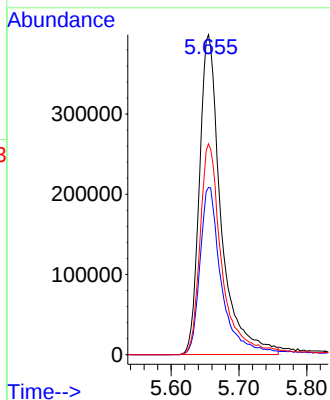
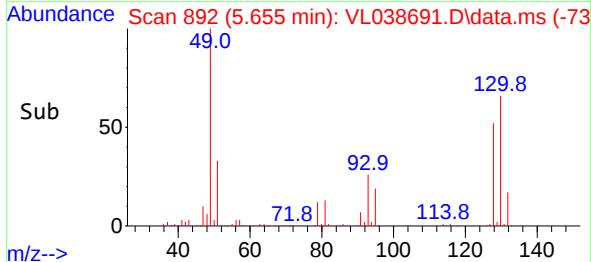
Instrument :
MSVOA_L
ClientSampleId :
COP75DL



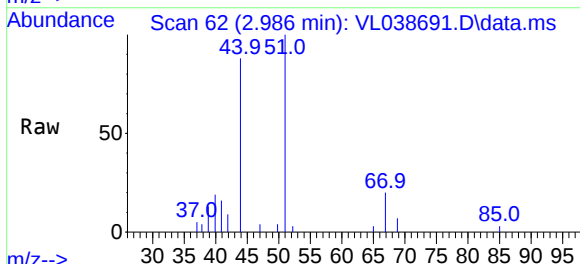
Tgt Ion: 49 Resp: 88107
Ion Ratio Lower Upper
49 100
128 54.2 26.2 78.6
130 68.6 33.7 101.1

Manual Integrations
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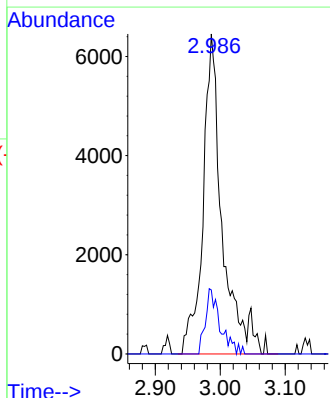
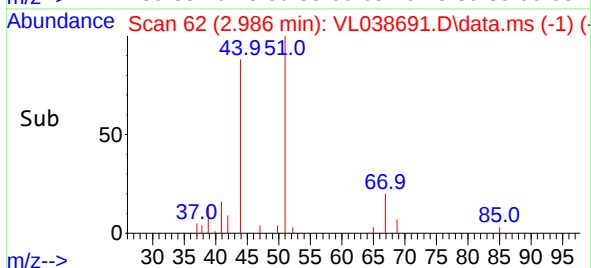
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022

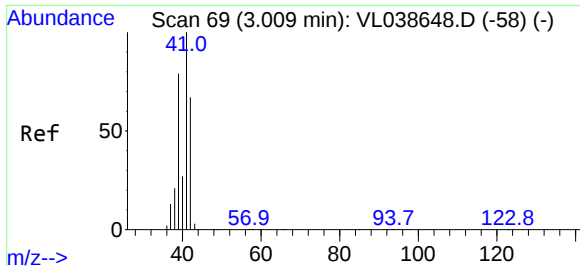


#3
Chlorodifluoromethane
Concen: 0.143 ppbv
RT: 2.986 min Scan# 62
Delta R.T. -0.000 min
Lab File: VL038691.D
Acq: 22 Mar 2022 19:44



Tgt Ion: 51 Resp: 13288
Ion Ratio Lower Upper
51 100
67 15.7 14.1 21.1





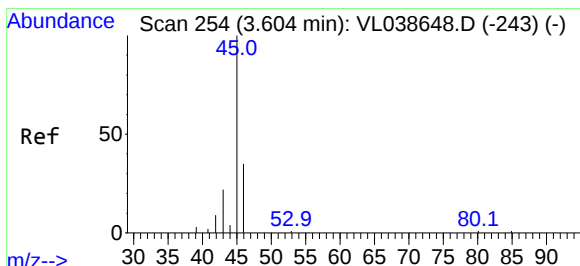
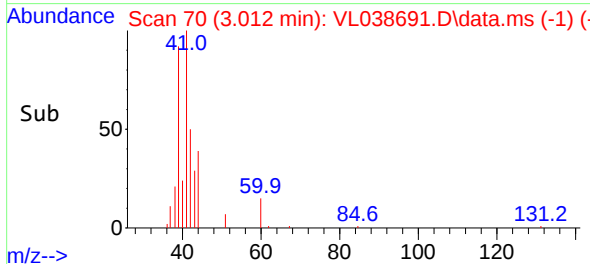
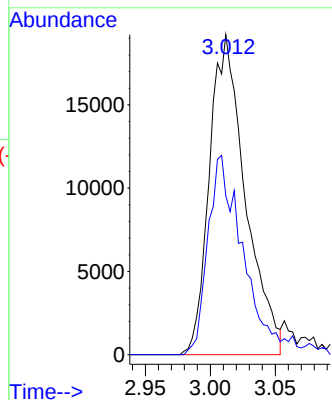
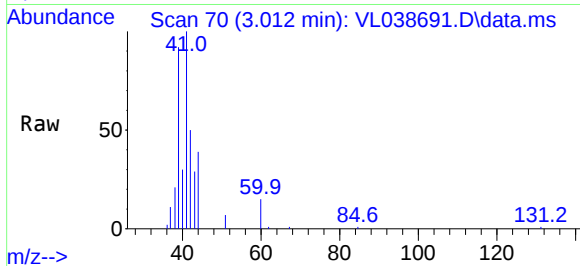
#9
Propene
Concen: 0.822 ppbv
RT: 3.012 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL038691.D
Acq: 22 Mar 2022 19:44

Instrument :
MSVOA_L
ClientSampleId :
COP75DL

Tgt Ion: 41 Resp: 3693
Ion Ratio Lower Upper
41 100
42 63.2 56.2 84.4

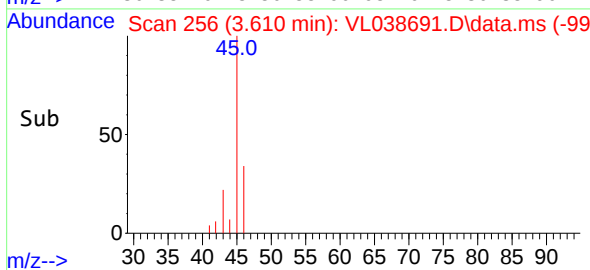
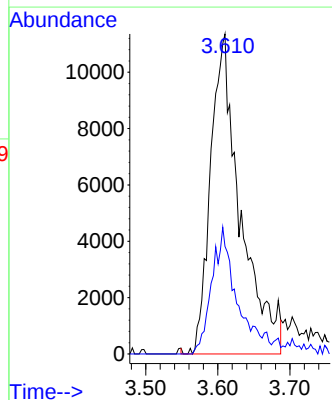
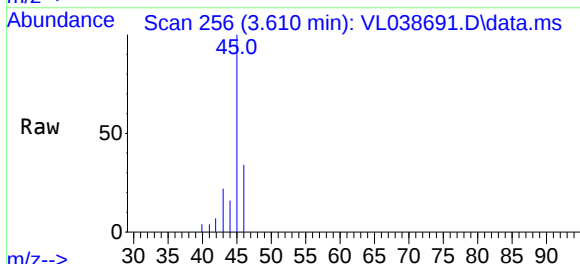
Manual Integrations
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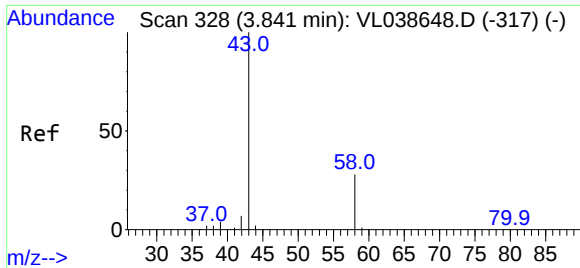
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022



#13
Ethanol
Concen: 6.566 ppbv m
RT: 3.610 min Scan# 256
Delta R.T. 0.006 min
Lab File: VL038691.D
Acq: 22 Mar 2022 19:44

Tgt Ion: 45 Resp: 32541
Ion Ratio Lower Upper
45 100
46 36.2 15.1 60.5





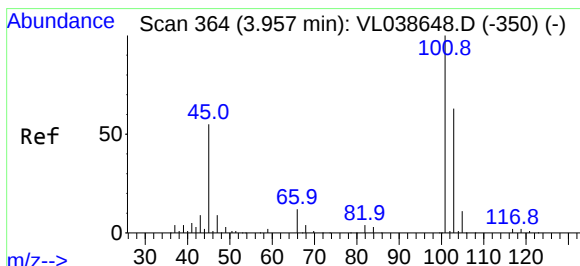
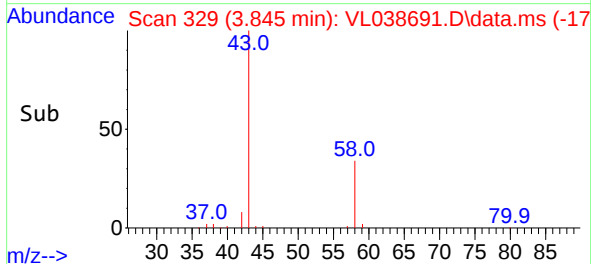
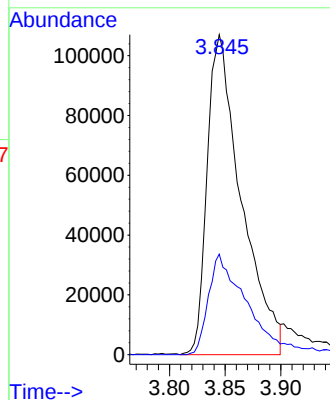
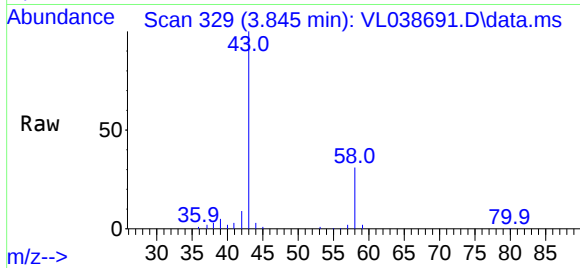
#15
Acetone
Concen: 3.000 ppbv
RT: 3.845 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL038691.D
Acq: 22 Mar 2022 19:44

Instrument :
MSVOA_L
ClientSampleId :
COP75DL

Tgt Ion: 43 Resp: 22804
Ion Ratio Lower Upper
43 100
58 37.7 23.3 34.9

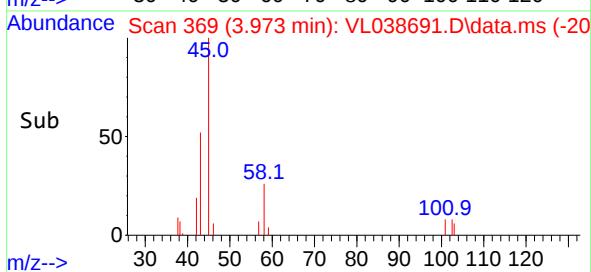
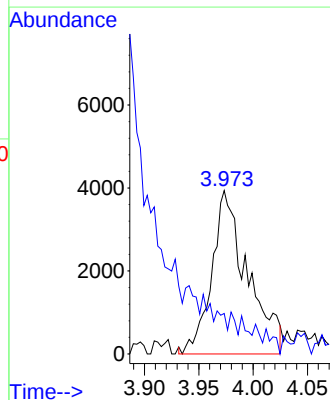
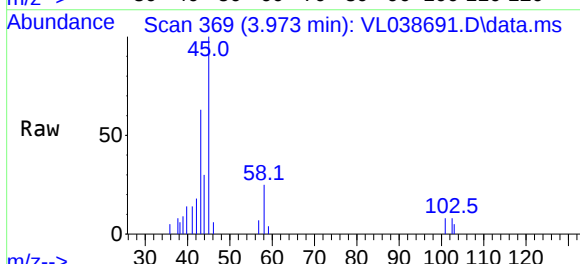
Manual Integrations
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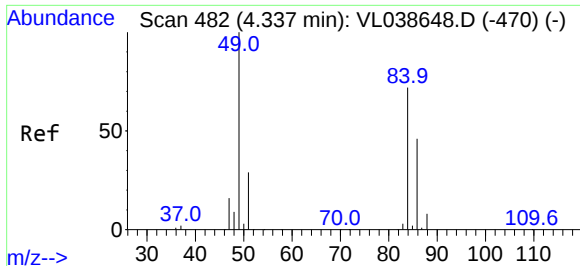
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022



#19
Isopropyl Alcohol
Concen: 0.213 ppbv m
RT: 3.973 min Scan# 369
Delta R.T. 0.016 min
Lab File: VL038691.D
Acq: 22 Mar 2022 19:44

Tgt Ion: 45 Resp: 8962
Ion Ratio Lower Upper
45 100
58 0.0 2.3 3.5





#20

Methylene Chloride

Concen: 3.772 ppbv

RT: 4.333 min Scan# 481

Delta R.T. -0.003 min

Lab File: VL038691.D

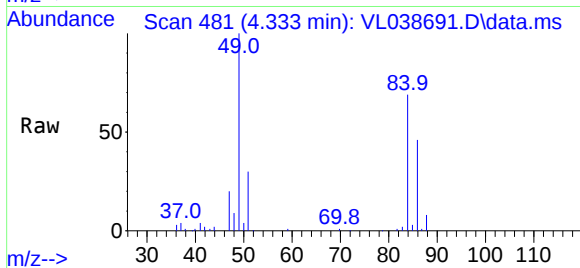
Acq: 22 Mar 2022 19:44

Instrument :

MSVOA_L

ClientSampleId :

C0P75DL



Tgt Ion: 84 Resp: 12079

Ion Ratio Lower Upper

84 100

49 143.6 111.2 166.8

51 43.7 32.8 49.2

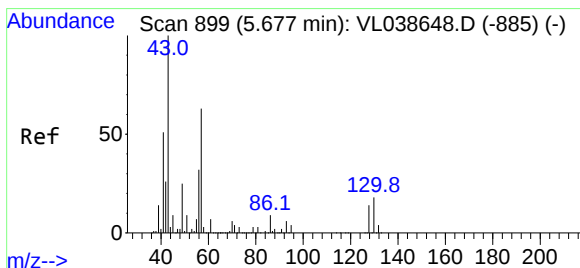
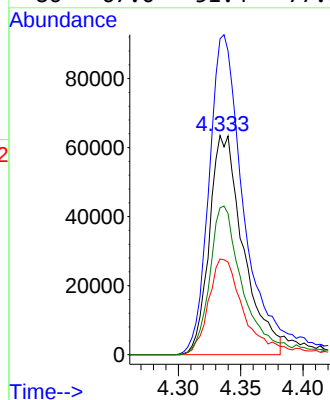
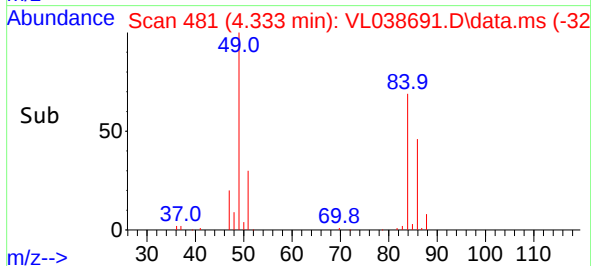
86 67.0 51.4 77.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/25/2022



#26

Hexane

Concen: 2.006 ppbv

RT: 5.677 min Scan# 899

Delta R.T. -0.000 min

Lab File: VL038691.D

Acq: 22 Mar 2022 19:44

Tgt Ion: 57 Resp: 171855

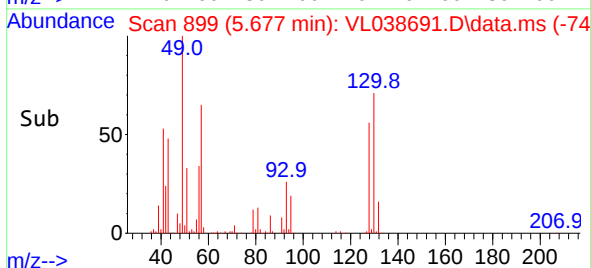
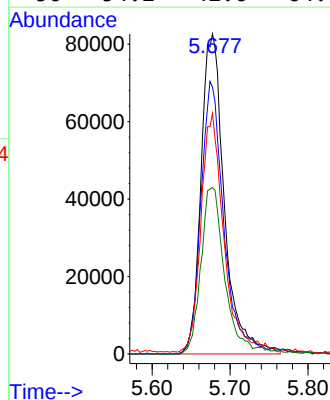
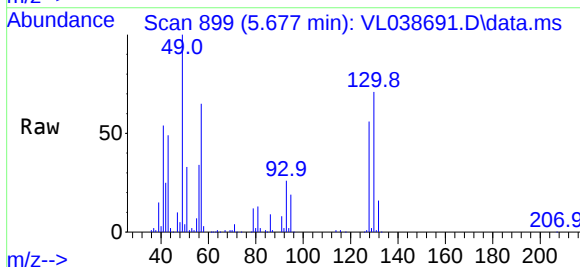
Ion Ratio Lower Upper

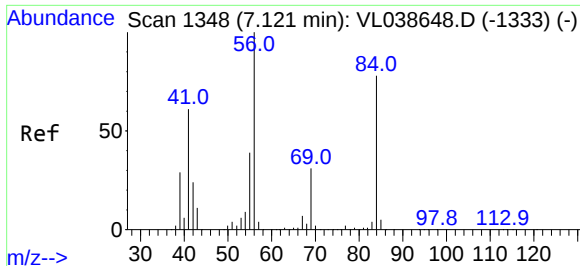
57 100

41 85.4 67.0 100.4

43 74.4 184.2 276.2#

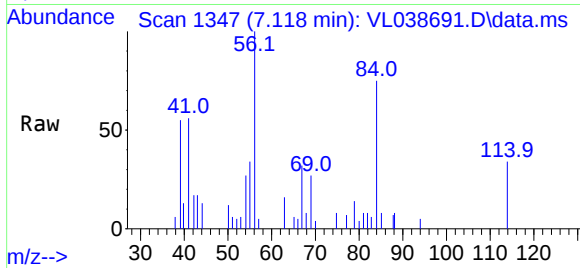
56 54.2 42.6 64.0





#30
Cyclohexane
Concen: 0.181 ppbv m
RT: 7.118 min Scan# 1348
Delta R.T. -0.003 min
Lab File: VL038691.D
Acq: 22 Mar 2022 19:44

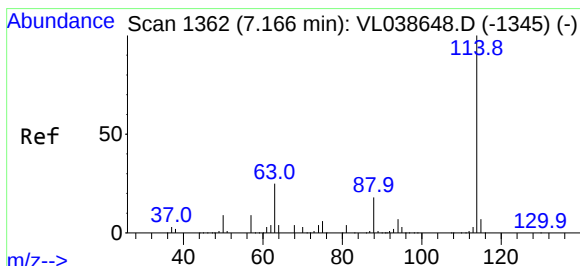
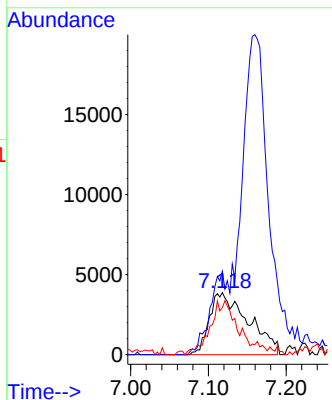
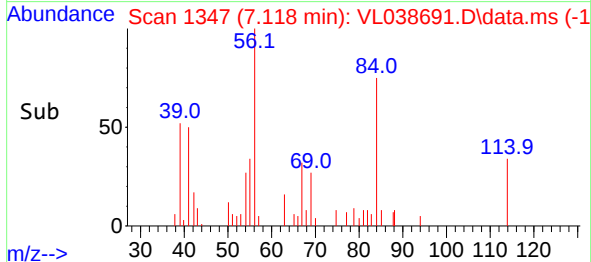
Instrument :
MSVOA_L
ClientSampleId :
COP75DL



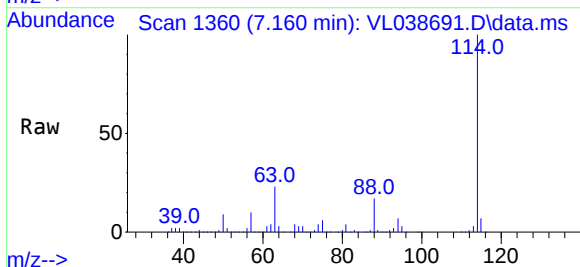
Tgt Ion: 84 Resp: 1348
Ion Ratio Lower Upper
84 100
56 0.0 108.2 162.4
41 67.0 61.8 92.6

Manual Integrations
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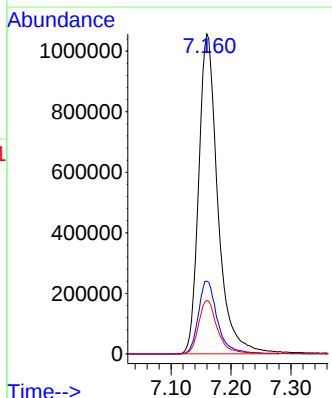
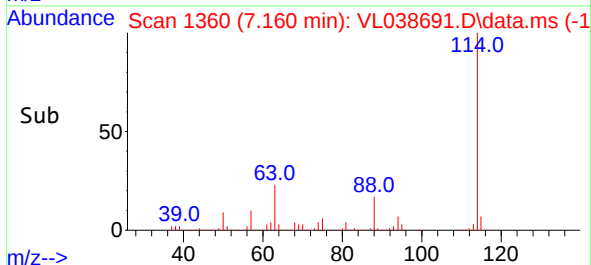
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022

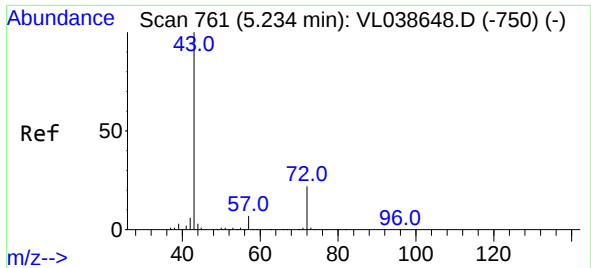


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.160 min Scan# 1360
Delta R.T. -0.006 min
Lab File: VL038691.D
Acq: 22 Mar 2022 19:44



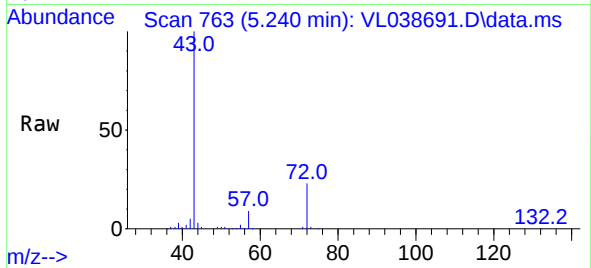
Tgt Ion:114 Resp: 2345082
Ion Ratio Lower Upper
114 100
63 22.9 19.4 29.0
88 16.8 13.9 20.9





#34
2-Butanone
Concen: 3.010 ppbv
RT: 5.240 min Scan# 70
Delta R.T. 0.006 min
Lab File: VL038691.D
Acq: 22 Mar 2022 19:44

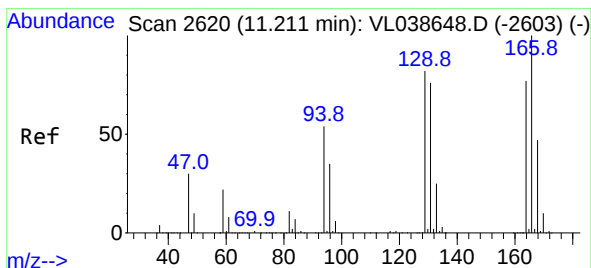
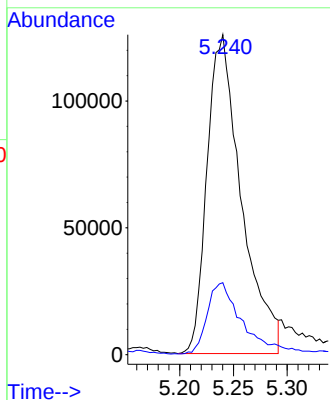
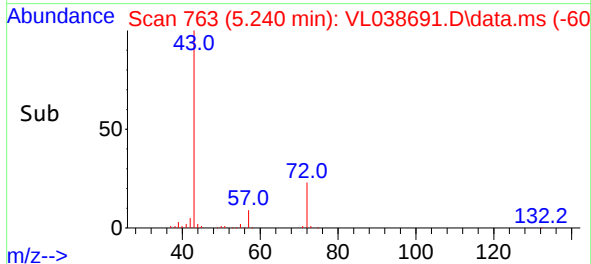
Instrument :
MSVOA_L
ClientSampleId :
COP75DL



Tgt Ion: 43 Resp: 279350
Ion Ratio Lower Upper
43 100
72 24.2 17.8 26.8

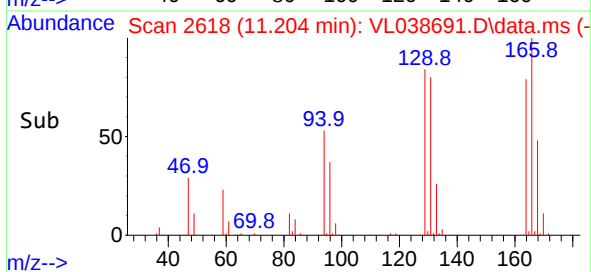
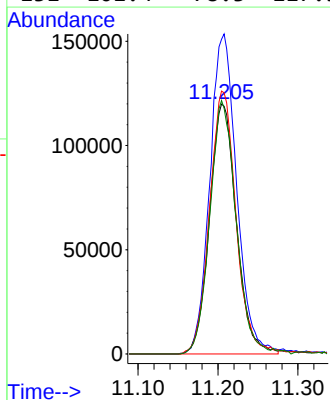
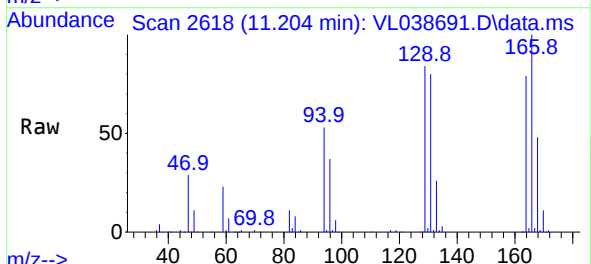
Manual Integrations
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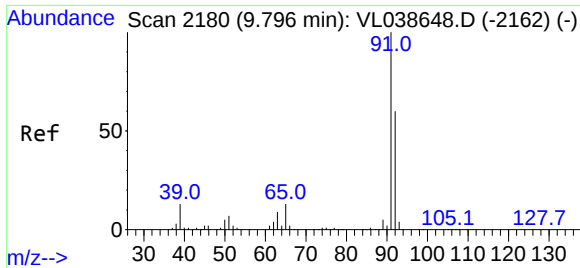
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022



#52
Tetrachloroethene
Concen: 4.235 ppbv
RT: 11.204 min Scan# 2618
Delta R.T. -0.006 min
Lab File: VL038691.D
Acq: 22 Mar 2022 19:44

Tgt Ion:164 Resp: 280496
Ion Ratio Lower Upper
164 100
166 126.0 103.3 154.9
129 105.2 85.2 127.8
131 101.4 78.3 117.5





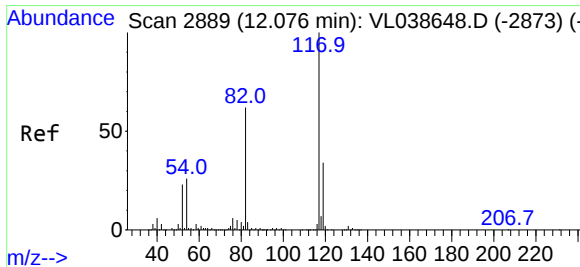
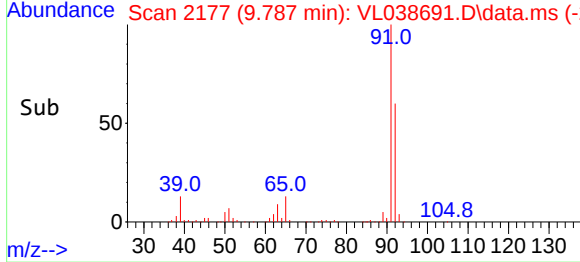
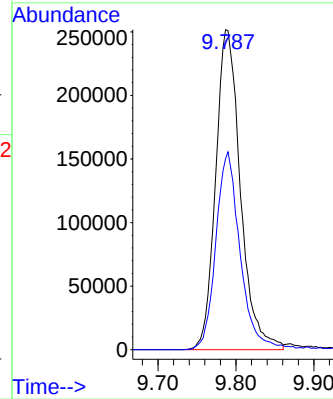
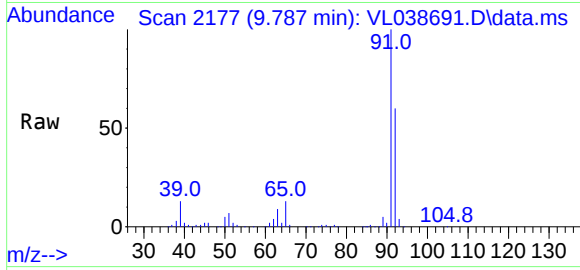
#53
Toluene
Concen: 2.863 ppbv
RT: 9.787 min Scan# 2180
Delta R.T. -0.010 min
Lab File: VL038691.D
Acq: 22 Mar 2022 19:44

Instrument :
MSVOA_L
ClientSampleId :
COP75DL

Tgt Ion: 91 Resp: 55672
Ion Ratio Lower Upper
91 100
92 60.9 48.7 73.1

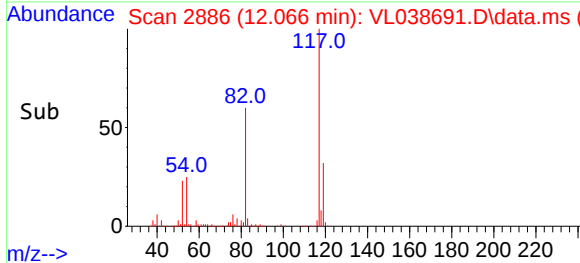
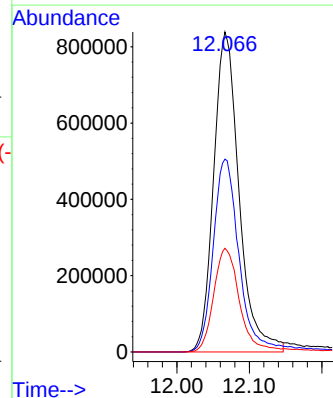
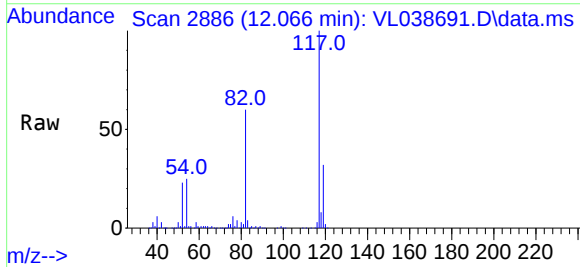
Manual Integrations
APPROVED

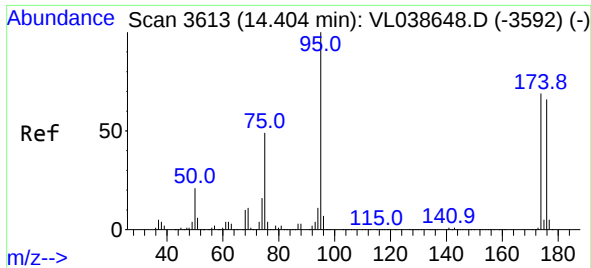
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/25/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.066 min Scan# 2886
Delta R.T. -0.010 min
Lab File: VL038691.D
Acq: 22 Mar 2022 19:44

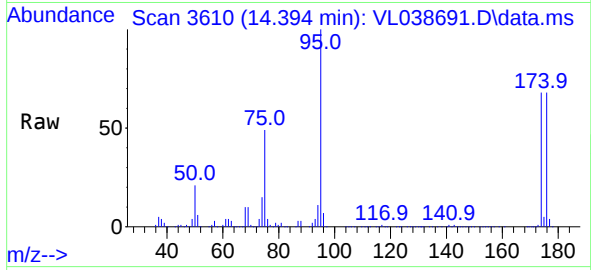
Tgt Ion:117 Resp: 2042886
Ion Ratio Lower Upper
117 100
82 64.4 51.6 77.4
119 34.1 26.9 40.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.454 ppbv
 RT: 14.394 min Scan# 30
 Delta R.T. -0.010 min
 Lab File: VL038691.D
 Acq: 22 Mar 2022 19:44

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P75DL



Tgt Ion: 95 Resp: 148080

Ion	Ratio	Lower	Upper
95	100		
174	75.3	56.1	84.1
175	5.6	4.2	6.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2022
 Supervised By :Mahesh Dadoda 03/25/2022

