

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038678.D
 Acq On : 22 Mar 2022 9:39
 Operator : SY/AP
 Sample : N1964-12DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P82DL

Manual Integrations
 APPROVED

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

Quant Time: Mar 23 03:41:56 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	919261	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.153	114	2371809	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.063	117	2125575	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.391	95	1555891	9.547	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.500%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.983	51	10213	0.105	ppbv #	85
4) Chloromethane	3.140	50	10508	0.197	ppbv #	85
9) Propene	3.018	41	15816	0.337	ppbv	90
13) Ethanol	3.607	45	18952m	3.665	ppbv	
15) Acetone	3.854	43	46633m	0.588	ppbv	
31) cis-1,2-Dichloroethene	5.533	61	26730m	0.318	ppbv	
34) 2-Butanone	5.246	43	35262	0.376	ppbv	94
38) Trichloroethene	7.812	130	12924m	0.169	ppbv	
41) Tetrahydrofuran	6.073	42	11681m	0.167	ppbv	
52) Tetrachloroethene	11.198	164	438996	6.553	ppbv	97
53) Toluene	9.786	91	217876	1.108	ppbv	98

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

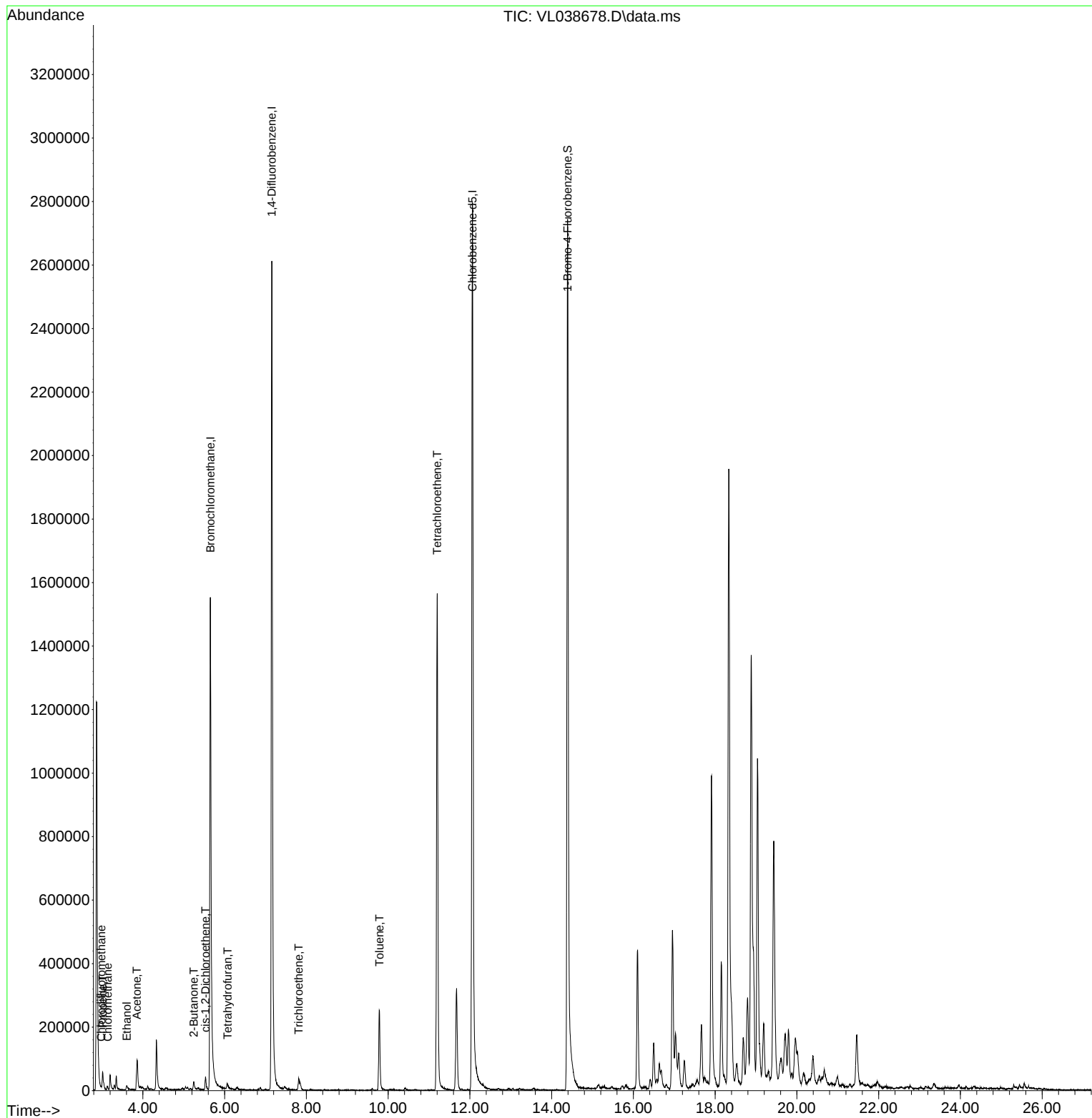
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
Data File : VL038678.D
Acq On : 22 Mar 2022 9:39
Operator : SY/AP
Sample : N1964-12DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

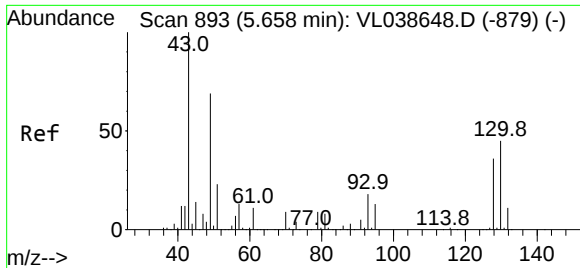
Instrument :
MSVOA_L
ClientSampleId :
C0P82DL

Quant Time: Mar 23 03:41:56 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

Manual Integrations
APPROVED

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





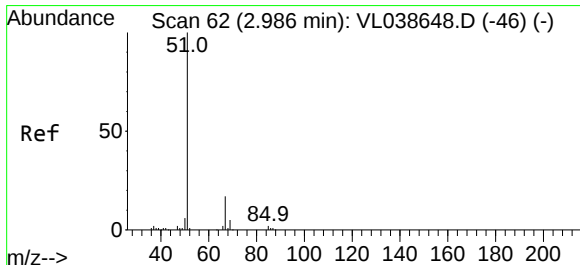
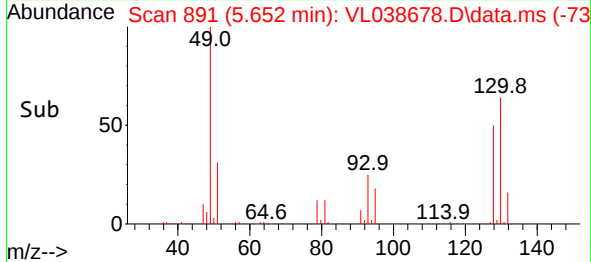
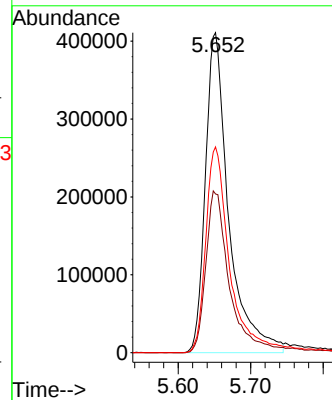
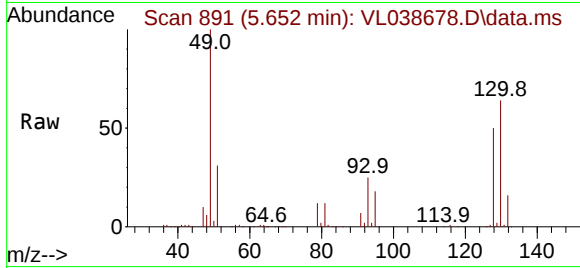
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.652 min Scan# 893
Delta R.T. -0.007 min
Lab File: VL038678.D
Acq: 22 Mar 2022 9:39

Instrument :
MSVOA_L
ClientSampleId :
COP82DL

Tgt Ion: 49 Resp: 91926
Ion Ratio Lower Upper
49 100
128 53.0 26.2 78.6
130 69.1 33.7 101.1

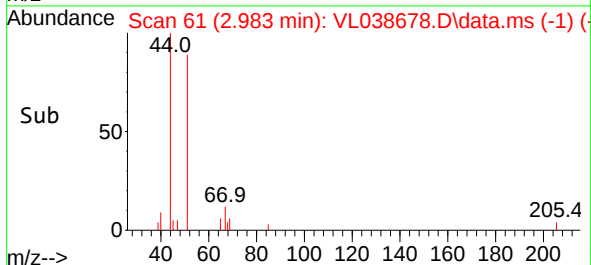
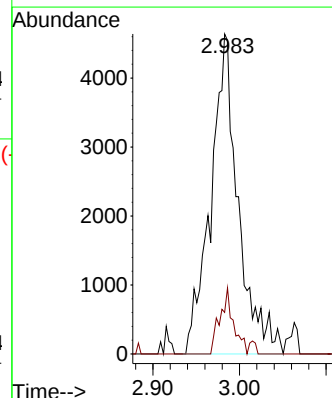
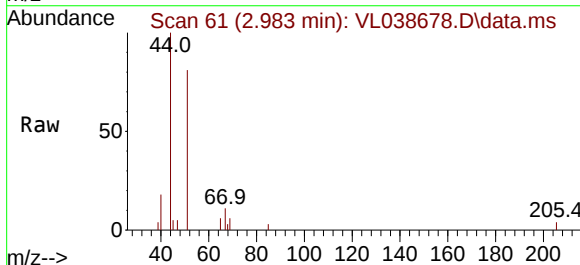
Manual Integrations
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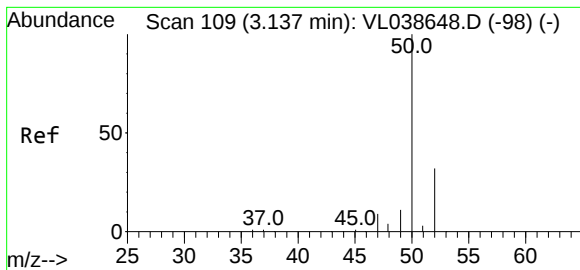
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#3
Chlorodifluoromethane
Concen: 0.105 ppbv
RT: 2.983 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL038678.D
Acq: 22 Mar 2022 9:39

Tgt Ion: 51 Resp: 10213
Ion Ratio Lower Upper
51 100
67 11.1 14.1 21.1#





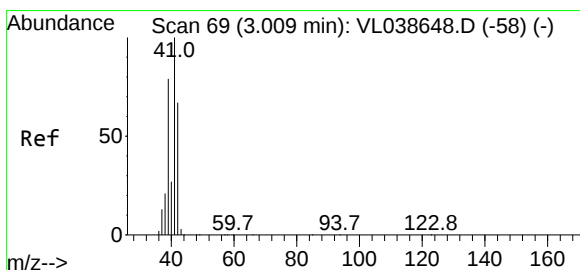
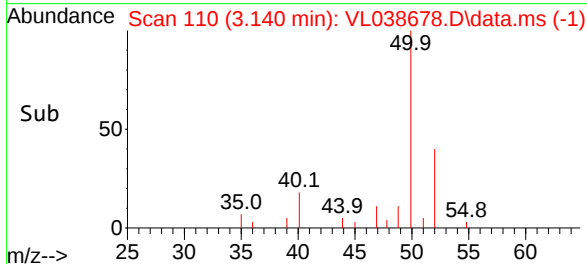
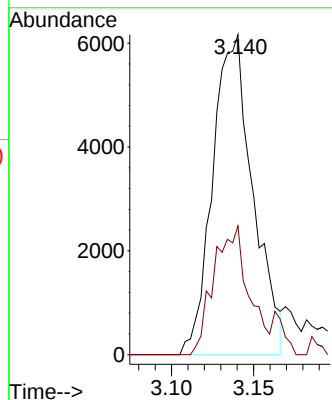
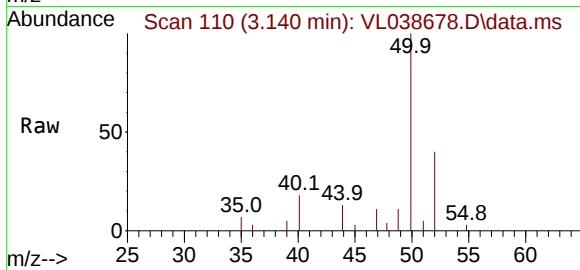
#4
Chloromethane
Concen: 0.197 ppbv
RT: 3.140 min Scan# 110
Delta R.T. 0.003 min
Lab File: VL038678.D
Acq: 22 Mar 2022 9:39

Instrument :
MSVOA_L
ClientSampleId :
COP82DL

Tgt Ion: 50 Resp: 10508
Ion Ratio Lower Upper
50 100
52 40.2 25.5 38.3

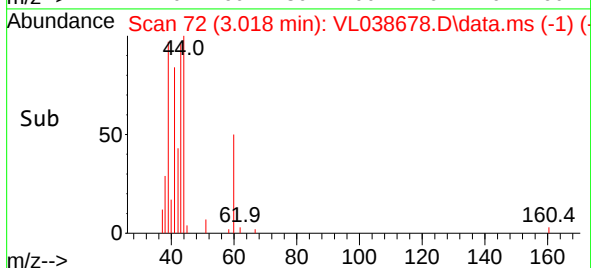
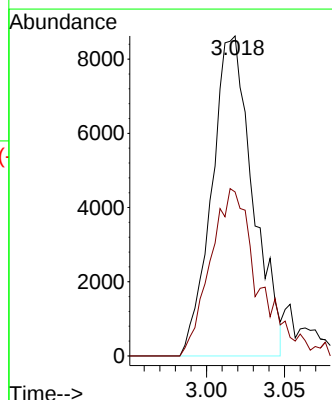
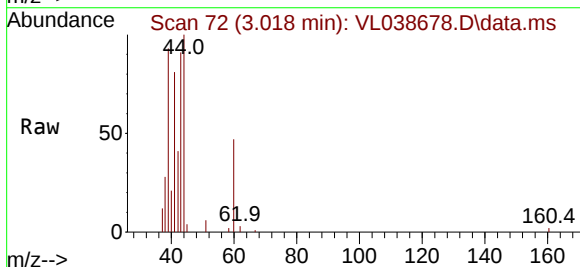
Manual Integrations
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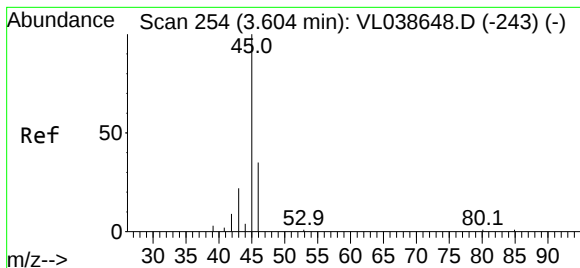
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#9
Propene
Concen: 0.337 ppbv
RT: 3.018 min Scan# 72
Delta R.T. 0.010 min
Lab File: VL038678.D
Acq: 22 Mar 2022 9:39

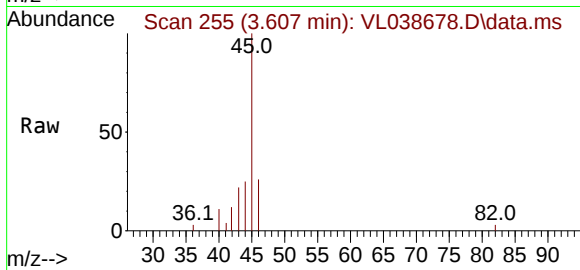
Tgt Ion: 41 Resp: 15816
Ion Ratio Lower Upper
41 100
42 61.8 56.2 84.4





#13
Ethanol
Concen: 3.665 ppbv m
RT: 3.607 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL038678.D
Acq: 22 Mar 2022 9:39

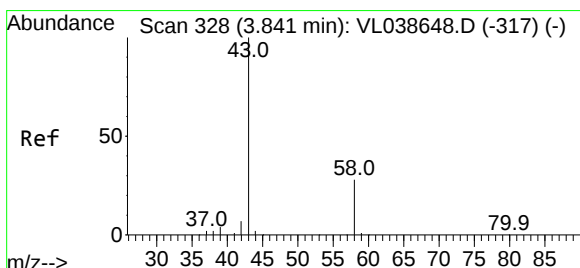
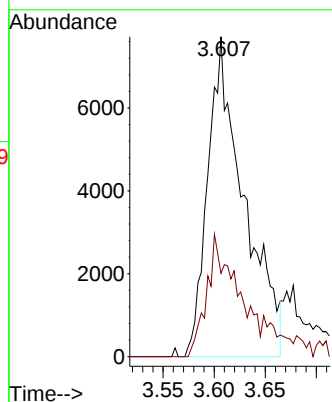
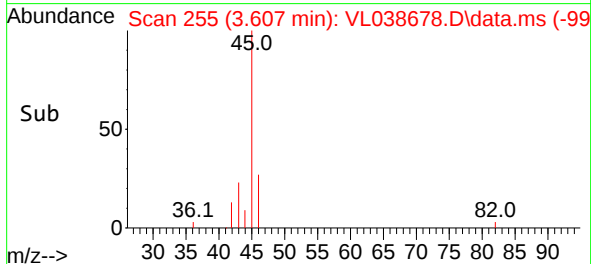
Instrument :
MSVOA_L
ClientSampleId :
COP82DL



Tgt Ion: 45 Resp: 1895
Ion Ratio Lower Upper
45 100
46 40.3 15.1 60.5

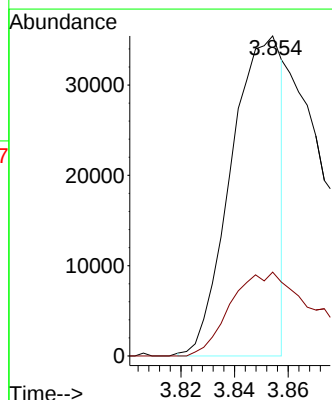
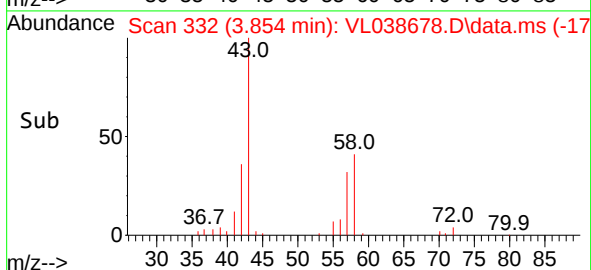
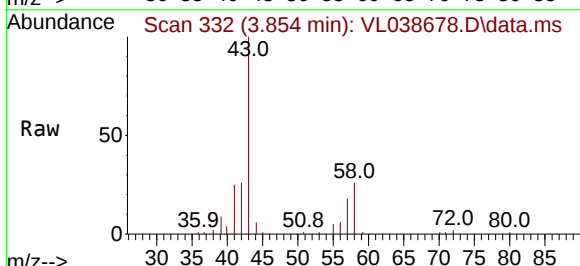
Manual Integrations
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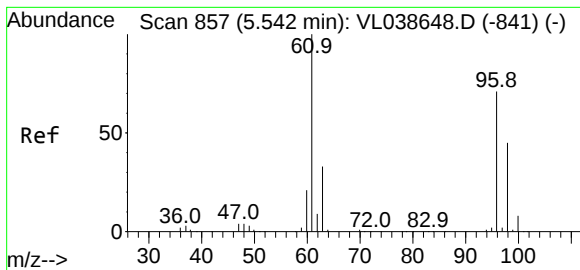
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#15
Acetone
Concen: 0.588 ppbv m
RT: 3.854 min Scan# 332
Delta R.T. 0.013 min
Lab File: VL038678.D
Acq: 22 Mar 2022 9:39

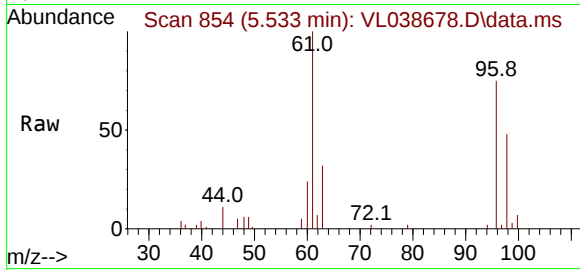
Tgt Ion: 43 Resp: 46633
Ion Ratio Lower Upper
43 100
58 55.0 23.3 34.9#





#31
cis-1,2-Dichloroethene
Concen: 0.318 ppbv m
RT: 5.533 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL038678.D
Acq: 22 Mar 2022 9:39

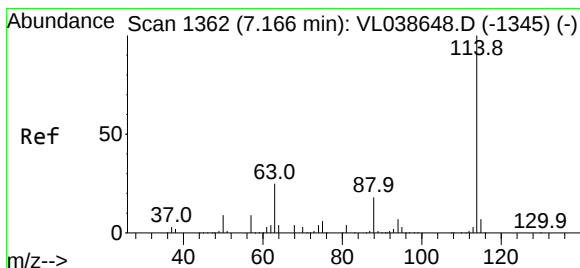
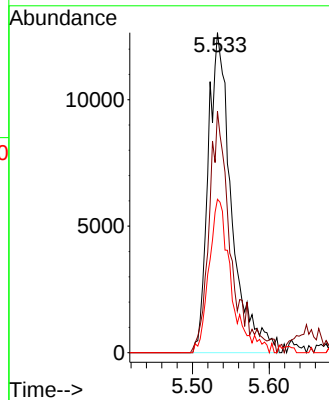
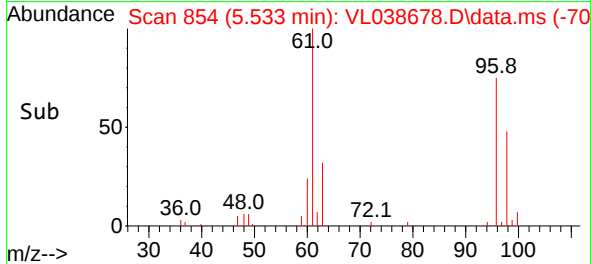
Instrument :
MSVOA_L
ClientSampleId :
COP82DL



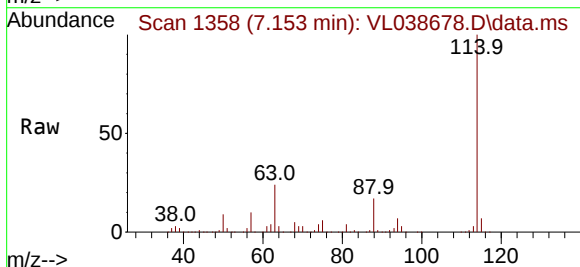
Tgt Ion: 61 Resp: 26730
Ion Ratio Lower Upper
61 100
96 75.4 56.6 84.8
98 47.9 36.3 54.5

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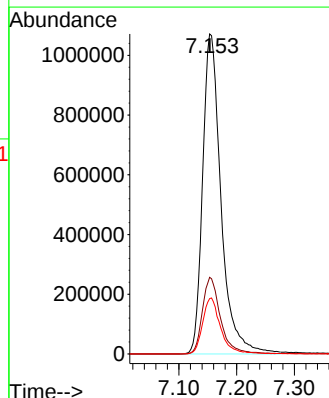
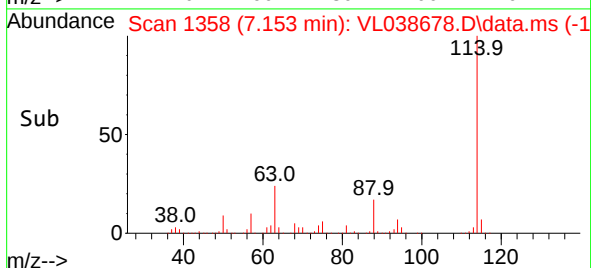
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

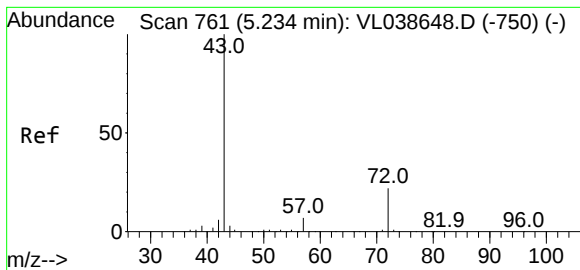


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.153 min Scan# 1358
Delta R.T. -0.013 min
Lab File: VL038678.D
Acq: 22 Mar 2022 9:39



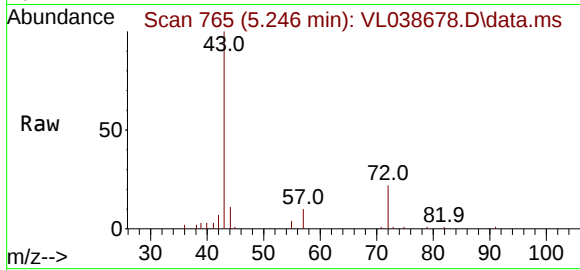
Tgt Ion:114 Resp: 2371809
Ion Ratio Lower Upper
114 100
63 23.7 19.4 29.0
88 17.3 13.9 20.9





#34
2-Butanone
Concen: 0.376 ppbv
RT: 5.246 min Scan# 761
Delta R.T. 0.013 min
Lab File: VL038678.D
Acq: 22 Mar 2022 9:39

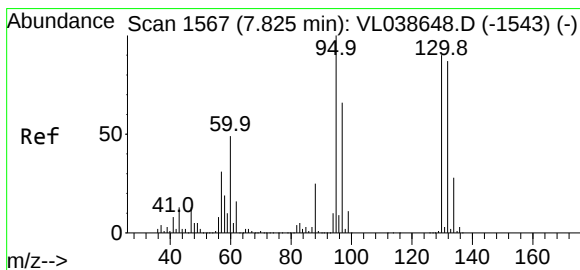
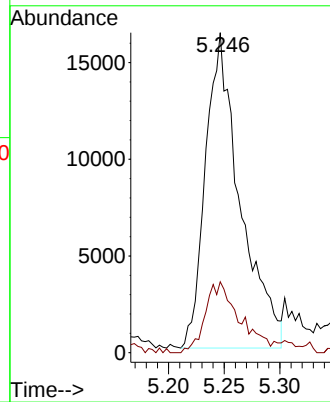
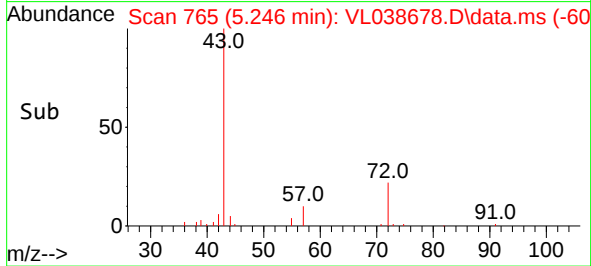
Instrument :
MSVOA_L
ClientSampleId :
COP82DL



Tgt Ion: 43 Resp: 3526
Ion Ratio Lower Upper
43 100
72 25.4 17.8 26.8

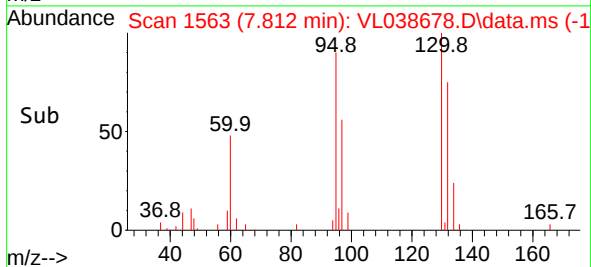
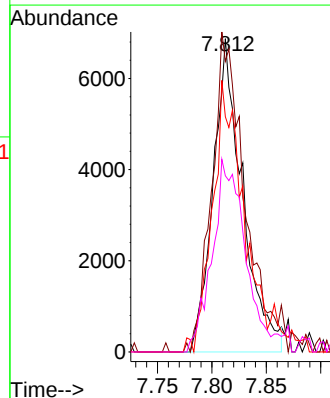
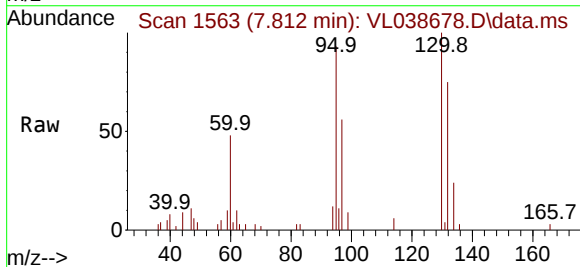
Manual Integrations
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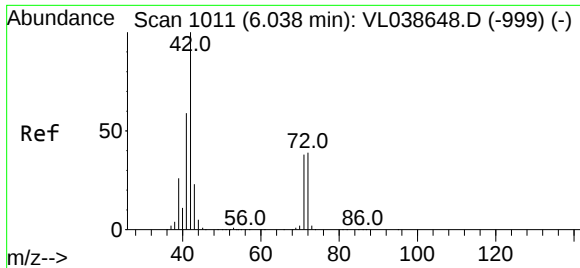
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#38
Trichloroethene
Concen: 0.169 ppbv m
RT: 7.812 min Scan# 1563
Delta R.T. -0.013 min
Lab File: VL038678.D
Acq: 22 Mar 2022 9:39

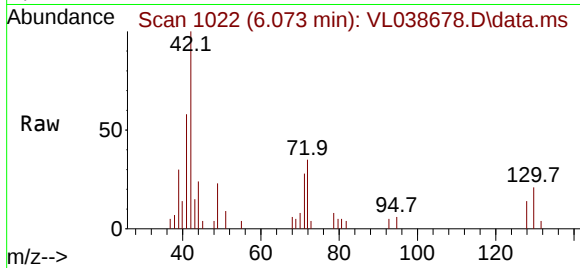
Tgt Ion:130 Resp: 12924
Ion Ratio Lower Upper
130 100
95 92.8 88.9 133.3
132 75.1 77.4 116.0#
97 56.2 58.2 87.4#





#41
Tetrahydrofuran
Concen: 0.167 ppbv m
RT: 6.073 min Scan# 1011
Delta R.T. 0.035 min
Lab File: VL038678.D
Acq: 22 Mar 2022 9:39

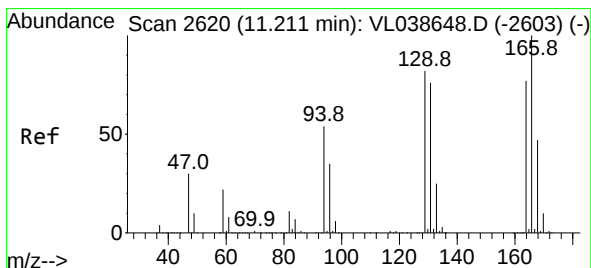
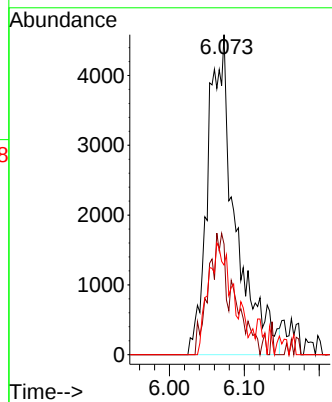
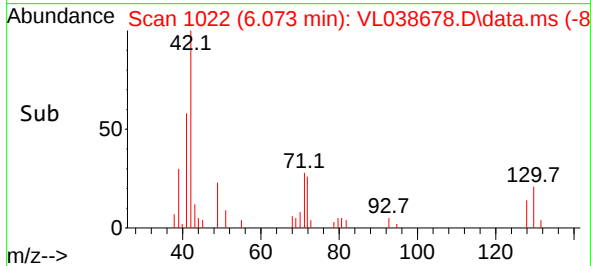
Instrument :
MSVOA_L
ClientSampleId :
COP82DL



Tgt Ion: 42 Resp: 1168
Ion Ratio Lower Upper
42 100
72 0.0 32.5 48.7
71 0.0 31.4 47.2

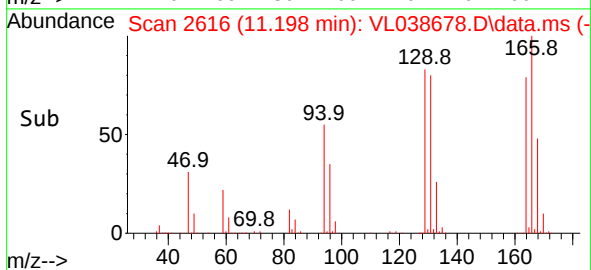
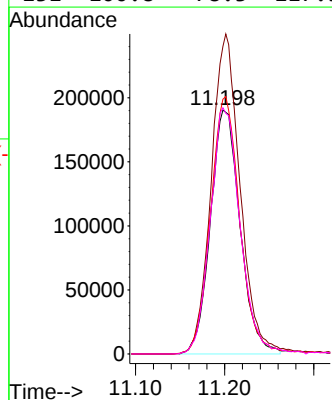
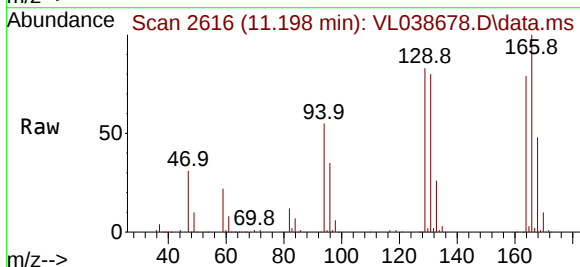
Manual Integrations
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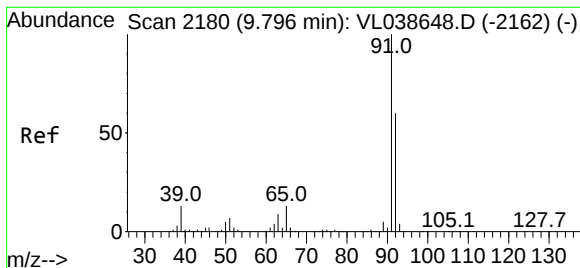
Reviewed By :Semsettin Yesilyurt 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#52
Tetrachloroethene
Concen: 6.553 ppbv
RT: 11.198 min Scan# 2616
Delta R.T. -0.013 min
Lab File: VL038678.D
Acq: 22 Mar 2022 9:39

Tgt Ion:164 Resp: 438996
Ion Ratio Lower Upper
164 100
166 125.8 103.3 154.9
129 104.2 85.2 127.8
131 100.8 78.3 117.5





#53

Toluene

Concen: 1.108 ppbv

RT: 9.786 min Scan# 2180

Delta R.T. -0.010 min

Lab File: VL038678.D

Acq: 22 Mar 2022 9:39

Instrument :

MSVOA_L

ClientSampleId :

COP82DL

Tgt Ion: 91 Resp: 217870

Ion Ratio Lower Upper

91 100

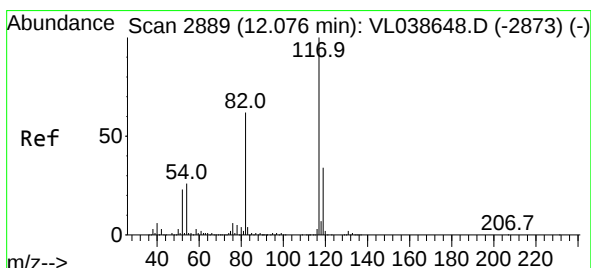
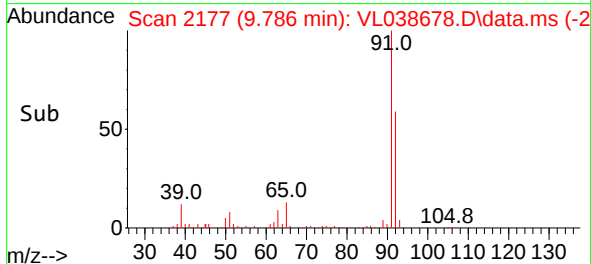
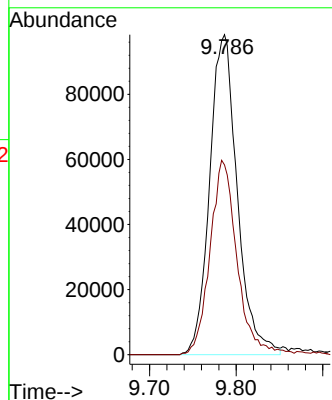
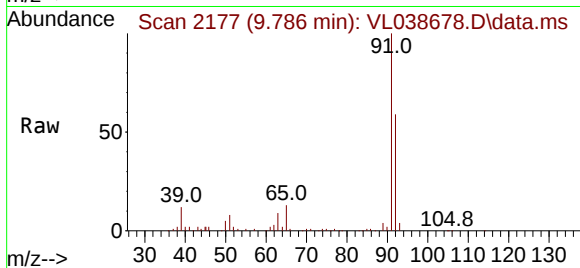
92 59.3 48.7 73.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/24/2022

Supervised By :Mahesh Dadoda 03/24/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.063 min Scan# 2885

Delta R.T. -0.013 min

Lab File: VL038678.D

Acq: 22 Mar 2022 9:39

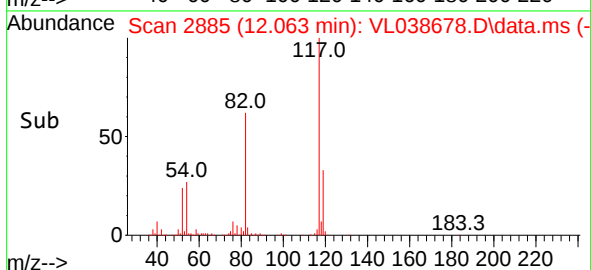
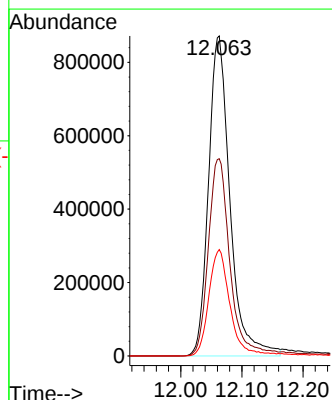
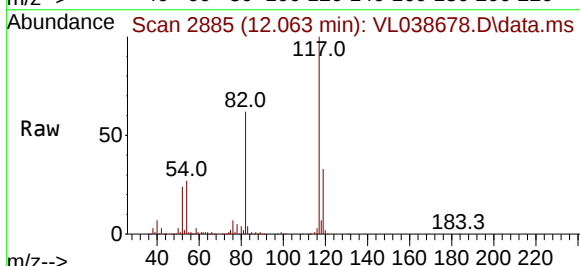
Tgt Ion:117 Resp: 2125575

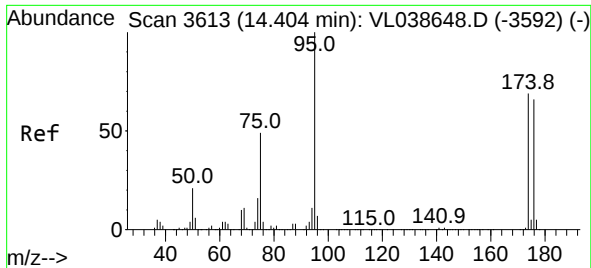
Ion Ratio Lower Upper

117 100

82 64.8 51.6 77.4

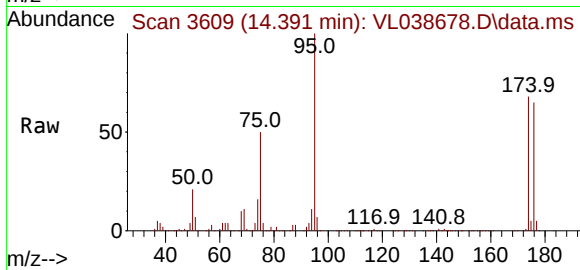
119 33.4 26.9 40.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.547 ppbv
 RT: 14.391 min Scan# 30
 Delta R.T. -0.013 min
 Lab File: VL038678.D
 Acq: 22 Mar 2022 9:39

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P82DL



Tgt Ion: 95 Resp: 155589

Ion	Ratio	Lower	Upper
95	100		
174	71.9	56.1	84.1
175	5.2	4.2	6.2

Manual Integrations
 APPROVED

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

