

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038666.D
 Acq On : 22 Mar 2022 1:19
 Operator : SY/AP
 Sample : N1964-10DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P80DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/22/2022
 Supervised By : Mahesh Dadoda 03/24/2022

Quant Time: Mar 22 03:53:29 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 22 03:53:29 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	5.658	49	956671	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.166	114	2469688	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.073	117	2176582	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.401	95	1595518	9.561	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.600%
Target Compounds						
						Qvalue
9) Propene	3.022	41	14944m	0.306	ppbv	
13) Ethanol	3.607	45	40591m	7.543	ppbv	
15) Acetone	3.854	43	88218	1.069	ppbv	99
19) Isopropyl Alcohol	3.980	45	13437m	0.294	ppbv	
20) Methylene Chloride	4.340	84	32905	0.946	ppbv	97
26) Hexane	5.677	57	16450	0.177	ppbv #	51
34) 2-Butanone	5.247	43	74907	0.766	ppbv	93
38) Trichloroethene	7.832	130	3580m	0.045	ppbv	
52) Tetrachloroethene	11.208	164	49245	0.706	ppbv	97
53) Toluene	9.799	91	63022	0.308	ppbv	100

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

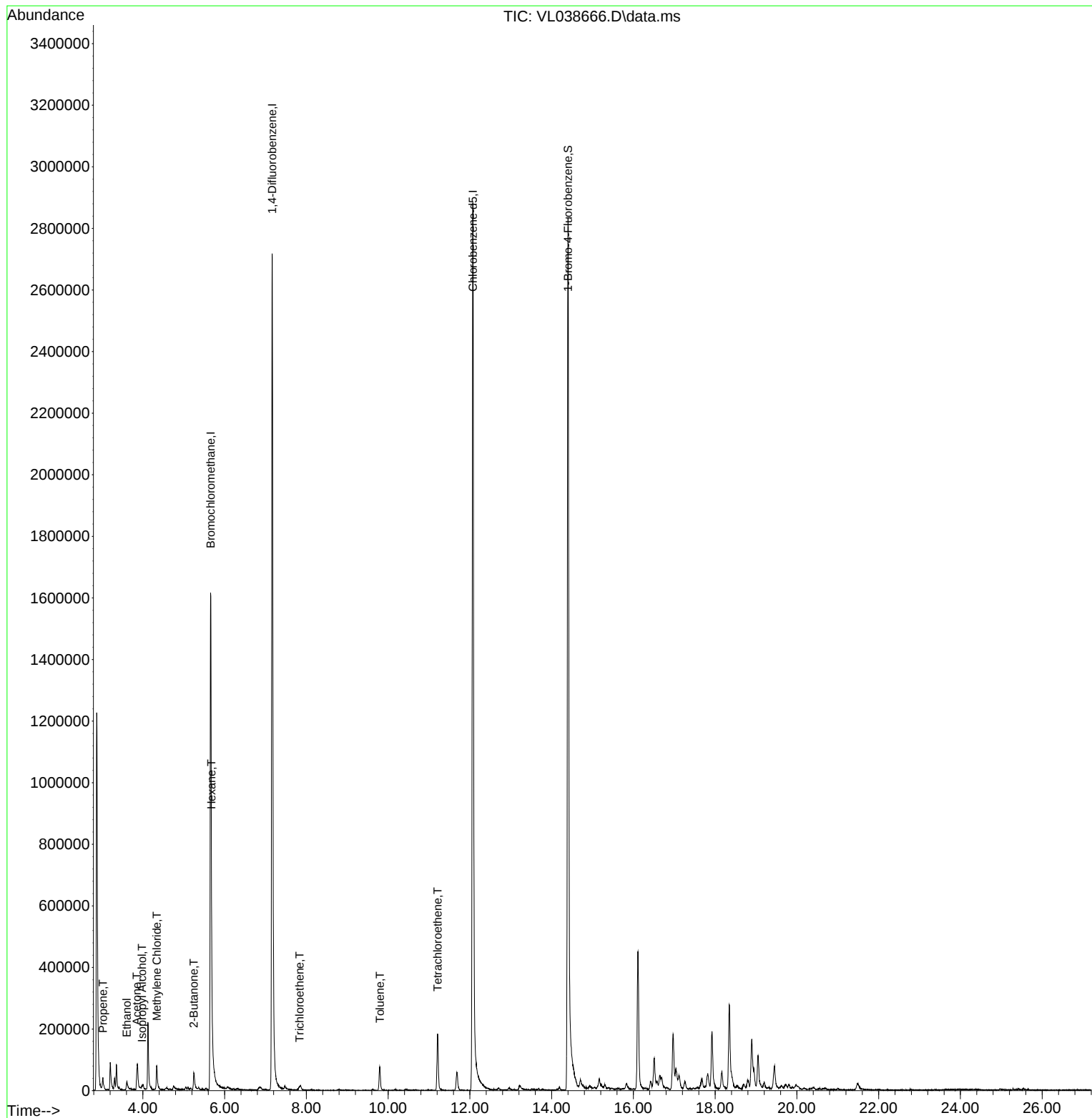
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
Data File : VL038666.D
Acq On : 22 Mar 2022 1:19
Operator : SY/AP
Sample : N1964-10DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

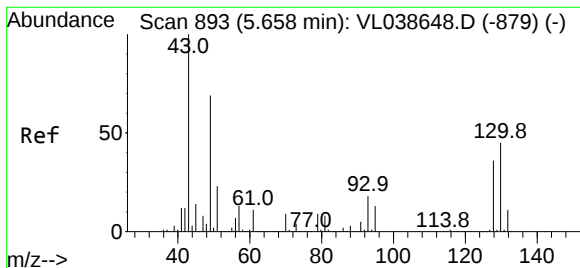
Instrument :
MSVOA_L
ClientSampleId :
C0P80DL

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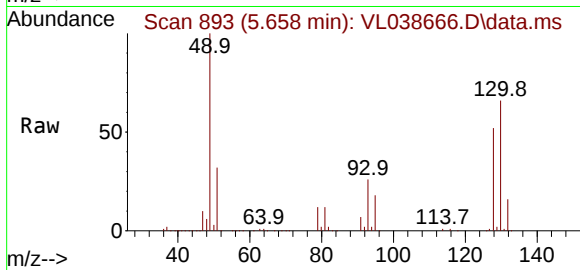
Quant Time: Mar 22 03:53:29 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.658 min Scan# 893
Delta R.T. 0.000 min
Lab File: VL038666.D
Acq: 22 Mar 2022 1:19

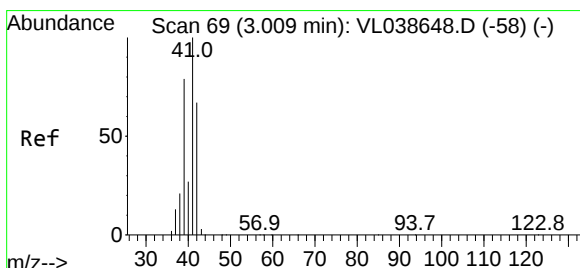
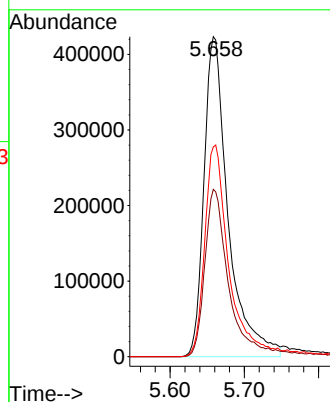
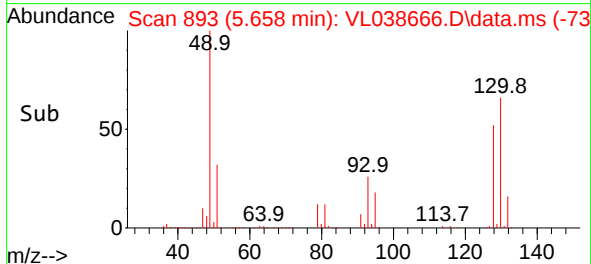
Instrument :
MSVOA_L
ClientSampleId :
COP80DL



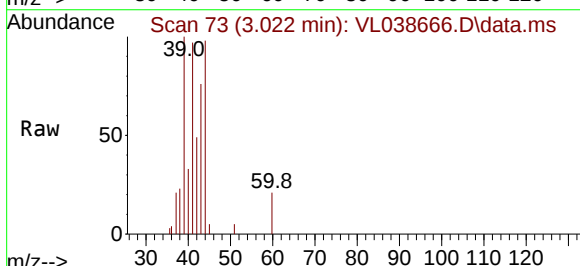
Tgt Ion: 49 Resp: 95667
Ion Ratio Lower Upper
49 100
128 53.1 26.2 78.6
130 69.2 33.7 101.1

Manual Integrations
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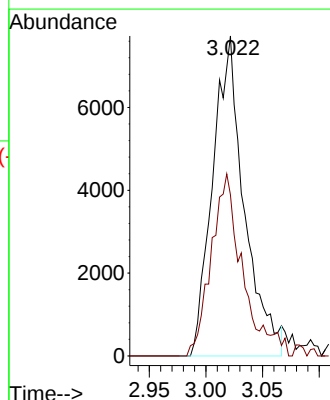
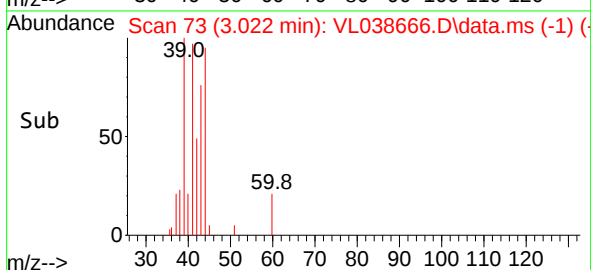
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

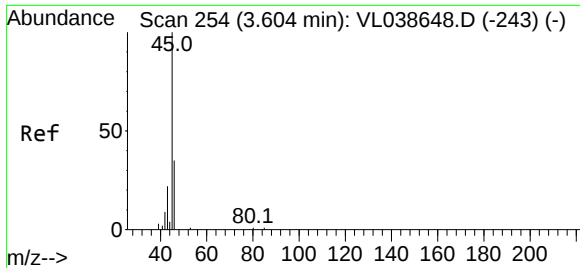


#9
Propene
Concen: 0.306 ppbv m
RT: 3.022 min Scan# 73
Delta R.T. 0.013 min
Lab File: VL038666.D
Acq: 22 Mar 2022 1:19



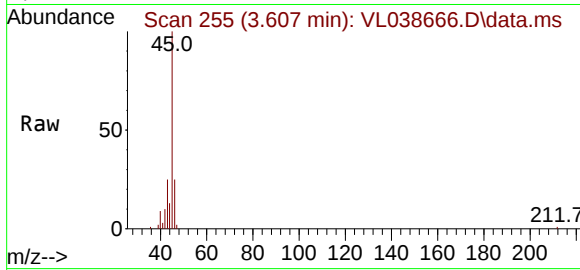
Tgt Ion: 41 Resp: 14944
Ion Ratio Lower Upper
41 100
42 0.0 56.2 84.4#





#13
Ethanol
Concen: 7.543 ppbv m
RT: 3.607 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL038666.D
Acq: 22 Mar 2022 1:19

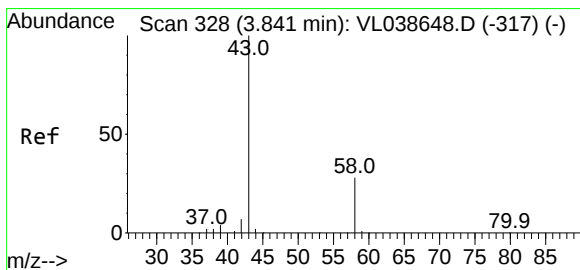
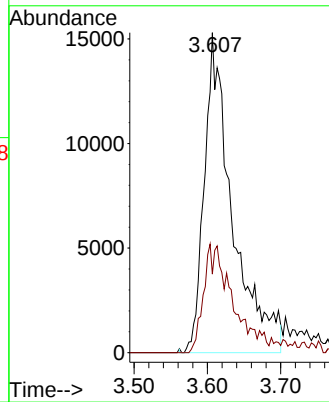
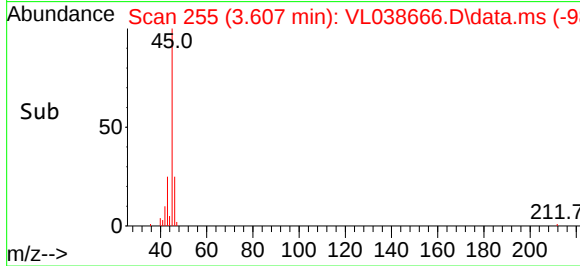
Instrument :
MSVOA_L
ClientSampleId :
COP80DL



Tgt Ion: 45 Resp: 4059
Ion Ratio Lower Upper
45 100
46 37.1 15.1 60.5

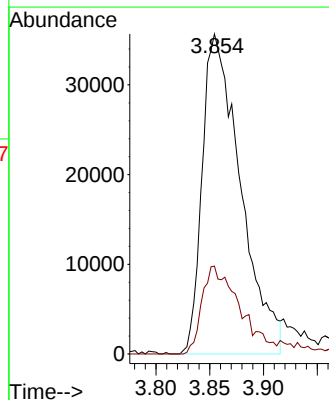
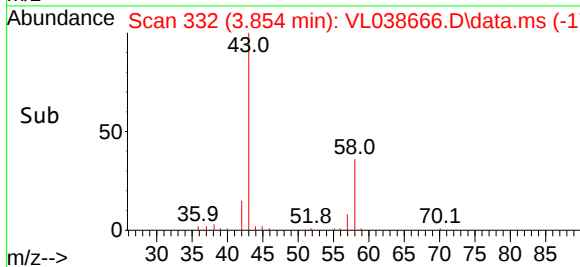
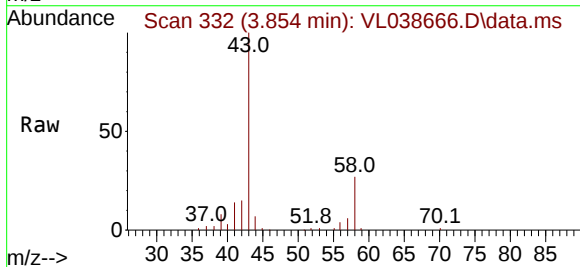
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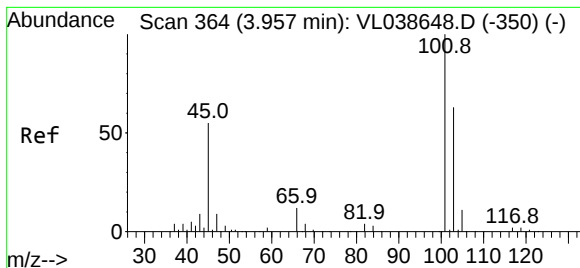
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#15
Acetone
Concen: 1.069 ppbv
RT: 3.854 min Scan# 332
Delta R.T. 0.013 min
Lab File: VL038666.D
Acq: 22 Mar 2022 1:19

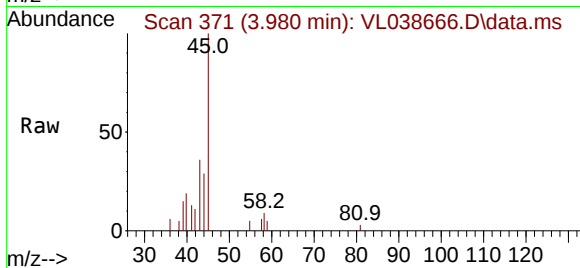
Tgt Ion: 43 Resp: 88218
Ion Ratio Lower Upper
43 100
58 29.7 23.3 34.9





#19
Isopropyl Alcohol
Concen: 0.294 ppbv m
RT: 3.980 min Scan# 31
Delta R.T. 0.023 min
Lab File: VL038666.D
Acq: 22 Mar 2022 1:19

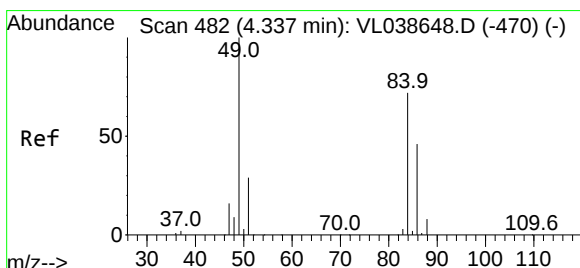
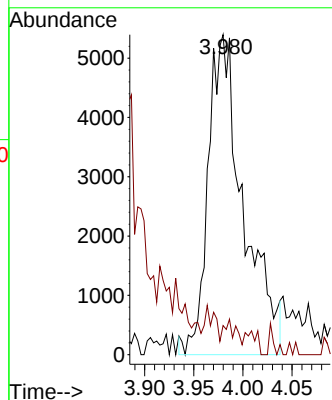
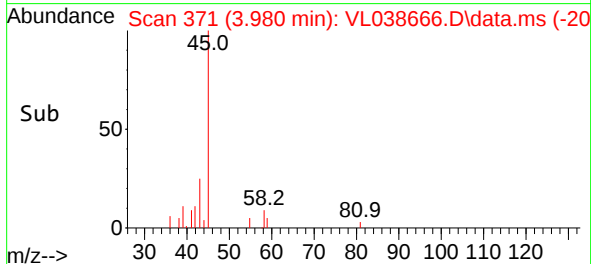
Instrument :
MSVOA_L
ClientSampleId :
COP80DL



Tgt Ion: 45 Resp: 1343
Ion Ratio Lower Upper
45 100
58 0.0 2.3 3.5

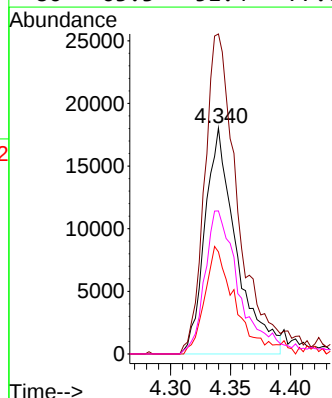
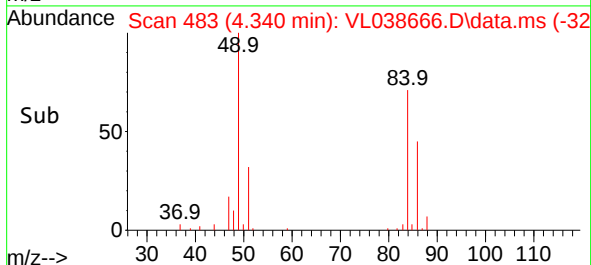
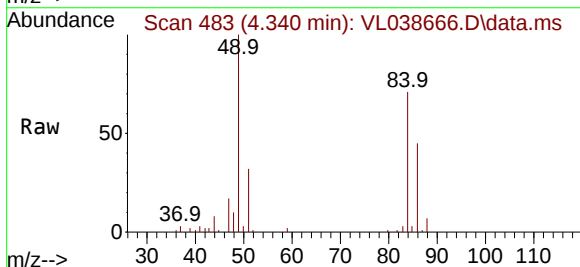
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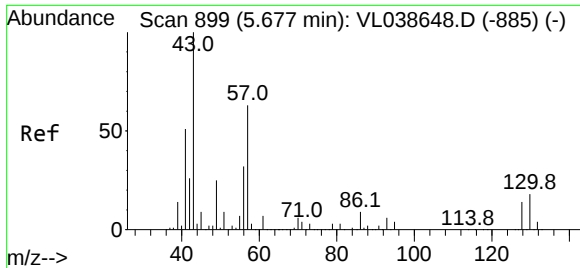
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#20
Methylene Chloride
Concen: 0.946 ppbv
RT: 4.340 min Scan# 483
Delta R.T. 0.003 min
Lab File: VL038666.D
Acq: 22 Mar 2022 1:19

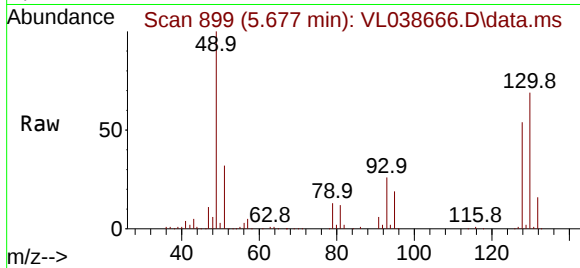
Tgt Ion: 84 Resp: 32905
Ion Ratio Lower Upper
84 100
49 141.6 111.2 166.8
51 45.1 32.8 49.2
86 63.3 51.4 77.0





#26
Hexane
Concen: 0.177 ppbv
RT: 5.677 min Scan# 899
Delta R.T. 0.000 min
Lab File: VL038666.D
Acq: 22 Mar 2022 1:19

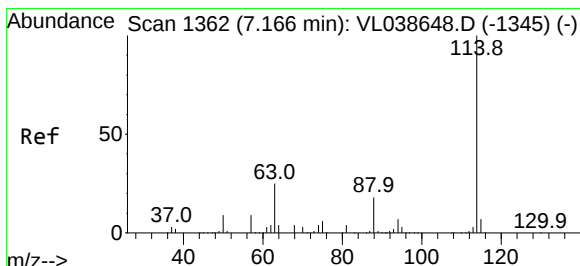
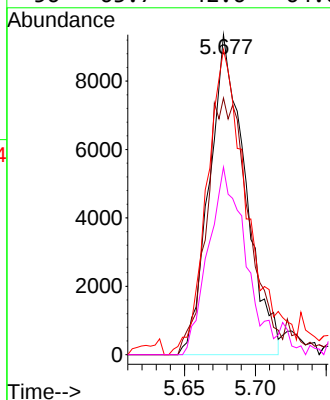
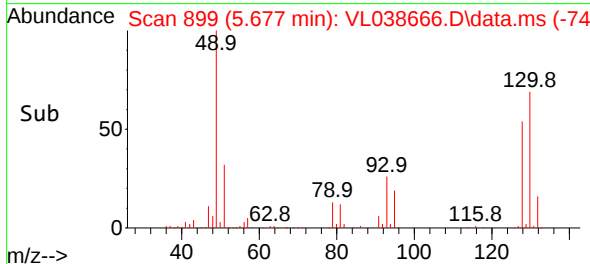
Instrument :
MSVOA_L
ClientSampleId :
COP80DL



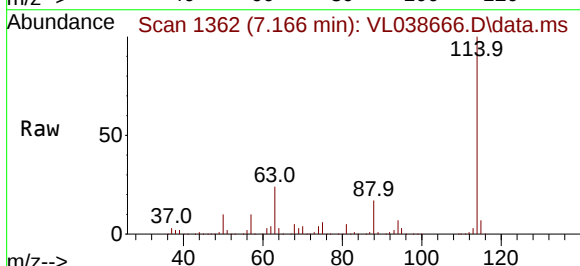
Tgt Ion: 57 Resp: 16450
Ion Ratio Lower Upper
57 100
41 102.9 67.0 100.4
43 120.2 184.2 276.2
56 63.7 42.6 64.0

Manual Integrations
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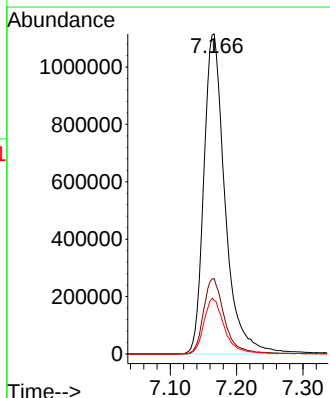
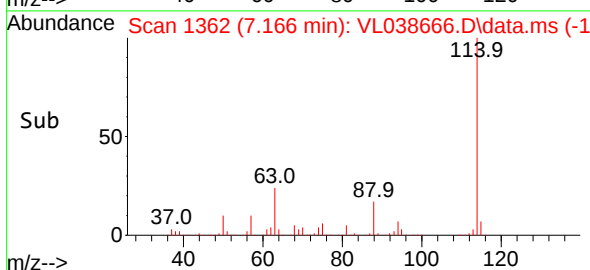
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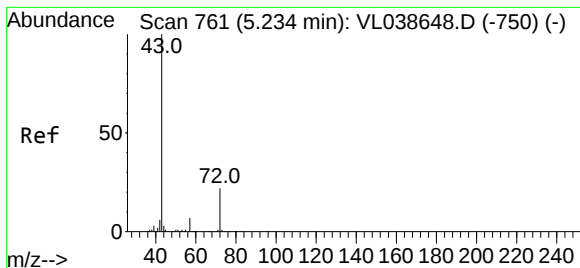


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL038666.D
Acq: 22 Mar 2022 1:19



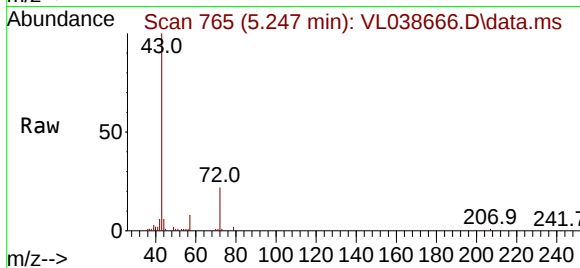
Tgt Ion:114 Resp: 2469688
Ion Ratio Lower Upper
114 100
63 23.6 19.4 29.0
88 17.1 13.9 20.9





#34
2-Butanone
Concen: 0.766 ppbv
RT: 5.247 min Scan# 765
Delta R.T. 0.013 min
Lab File: VL038666.D
Acq: 22 Mar 2022 1:19

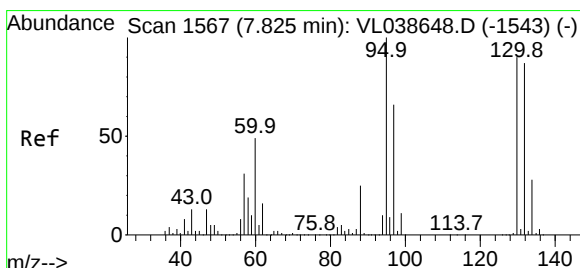
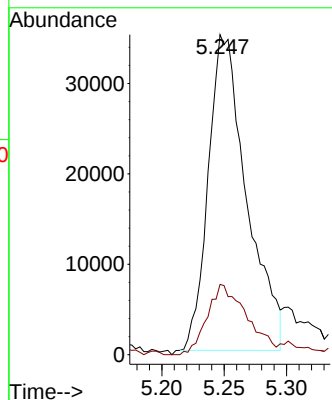
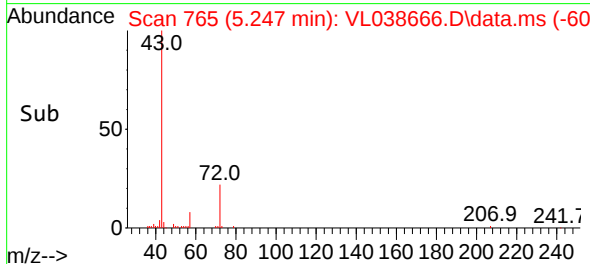
Instrument :
MSVOA_L
ClientSampleId :
COP80DL



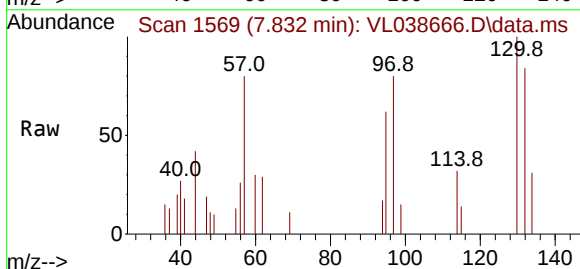
Tgt Ion: 43 Resp: 7490
Ion Ratio Lower Upper
43 100
72 25.6 17.8 26.8

Manual Integrations
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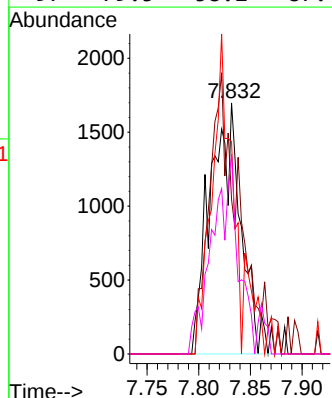
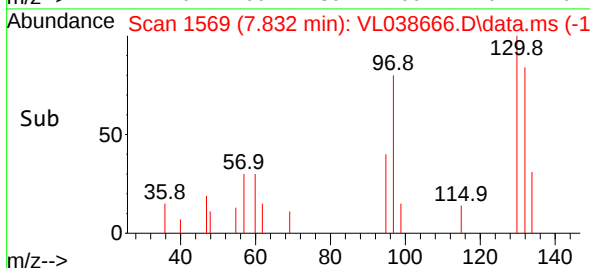
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

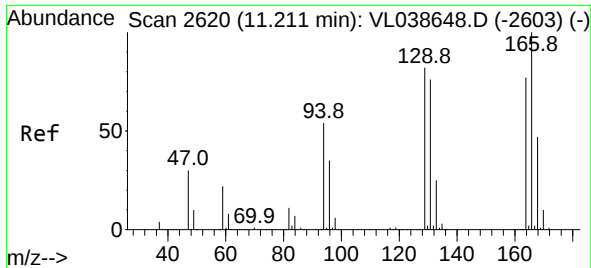


#38
Trichloroethene
Concen: 0.045 ppbv m
RT: 7.832 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VL038666.D
Acq: 22 Mar 2022 1:19



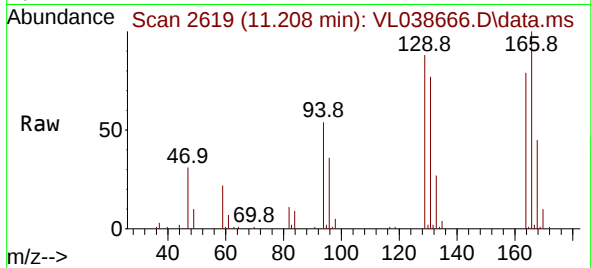
Tgt Ion:130 Resp: 3580
Ion Ratio Lower Upper
130 100
95 61.6 88.9 133.3#
132 84.5 77.4 116.0
97 79.5 58.2 87.4





#52
Tetrachloroethene
Concen: 0.706 ppbv
RT: 11.208 min Scan# 2619
Delta R.T. -0.003 min
Lab File: VL038666.D
Acq: 22 Mar 2022 1:19

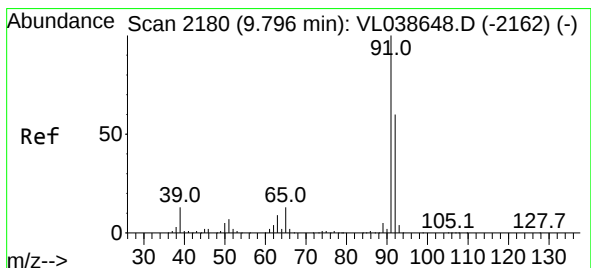
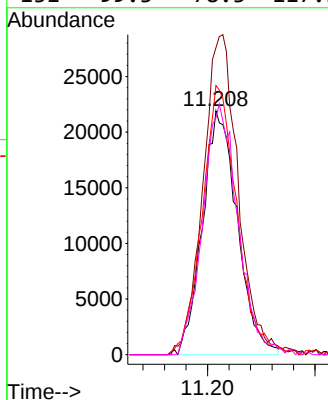
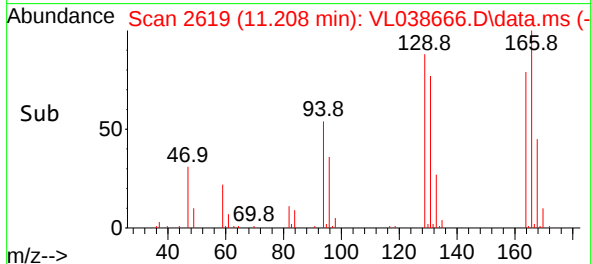
Instrument :
MSVOA_L
ClientSampleId :
COP80DL



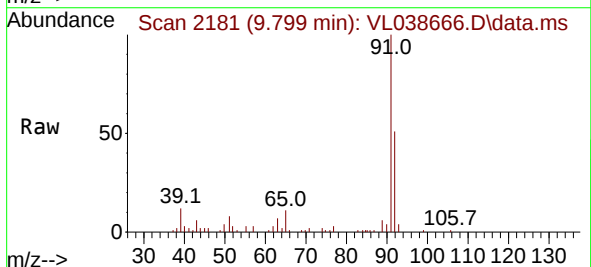
Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.4	103.3	154.9
129	108.1	85.2	127.8
131	99.3	78.3	117.5

Manual Integrations
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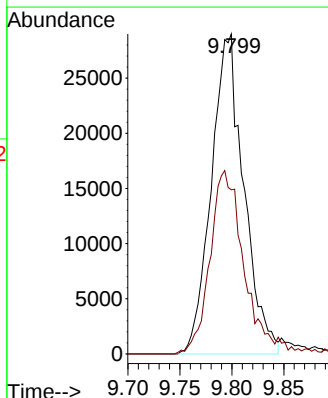
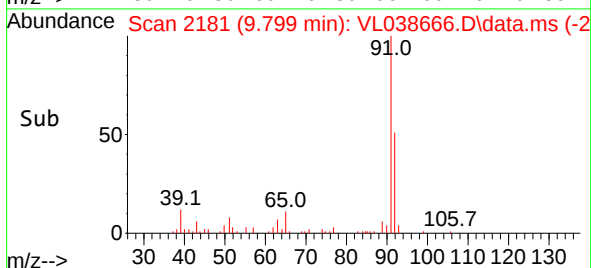
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

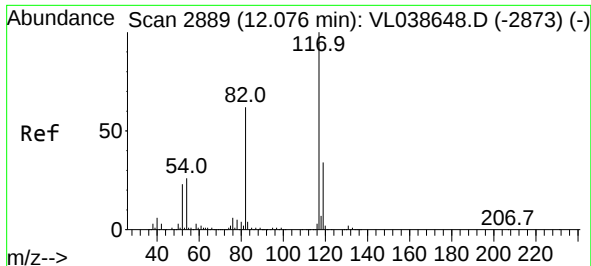


#53
Toluene
Concen: 0.308 ppbv
RT: 9.799 min Scan# 2181
Delta R.T. 0.003 min
Lab File: VL038666.D
Acq: 22 Mar 2022 1:19



Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.0	48.7	73.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.073 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL038666.D

Acq: 22 Mar 2022 1:19

Instrument :

MSVOA_L

ClientSampleId :

COP80DL

Tgt Ion:117 Resp: 217658

Ion Ratio Lower Upper

117 100

82 64.2 51.6 77.4

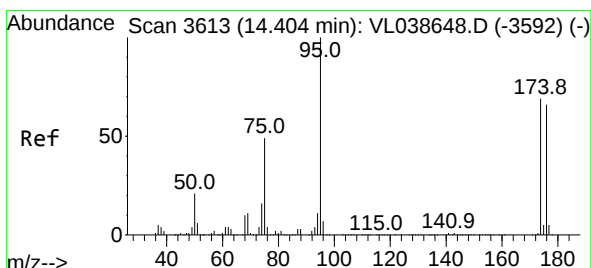
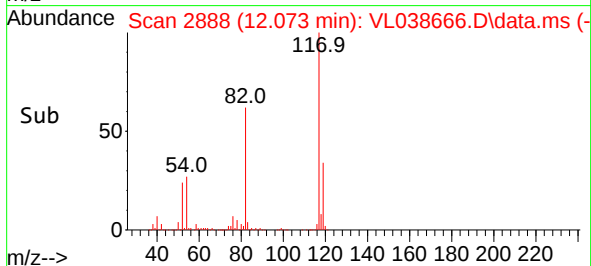
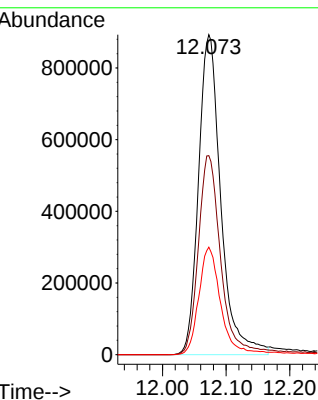
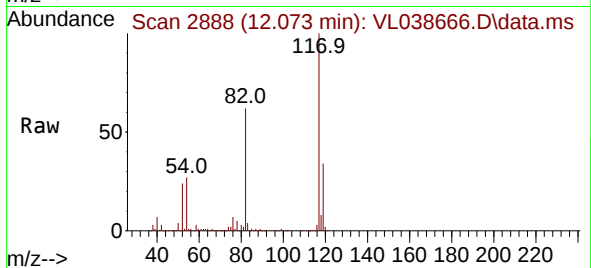
119 34.2 26.9 40.3

Manual Integrations

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Supervised By :Mahesh Dadoda 03/24/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.561 ppbv

RT: 14.401 min Scan# 3612

Delta R.T. -0.003 min

Lab File: VL038666.D

Acq: 22 Mar 2022 1:19

Tgt Ion: 95 Resp: 1595518

Ion Ratio Lower Upper

95 100

174 73.3 56.1 84.1

175 5.3 4.2 6.2

