

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038660.D
 Acq On : 21 Mar 2022 21:26
 Operator : SY/AP
 Sample : N1645-14 0.1 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2022

Manual Integrations
 APPROVED

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

Quant Time: Mar 22 03:51:37 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 03:51:37 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	5.661	49	936109	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.166	114	2359429	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.076	117	2074922	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	1509798	9.491	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.900%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	3.260	62	6227m	0.113	ppbv	
32) 1,1,1-Trichloroethane	6.504	97	14541m	0.103	ppbv	
35) Carbon Tetrachloride	7.009	117	14367m	0.105	ppbv	
38) Trichloroethene	7.825	130	7952m	0.104	ppbv	
52) Tetrachloroethene	11.211	164	6109m	0.092	ppbv	
54) 1,2-Dibromoethane	10.603	107	9676m	0.093	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.661	83	16017m	0.103	ppbv	
79) Naphthalene	22.178	128	9262m	0.051	ppbv	

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

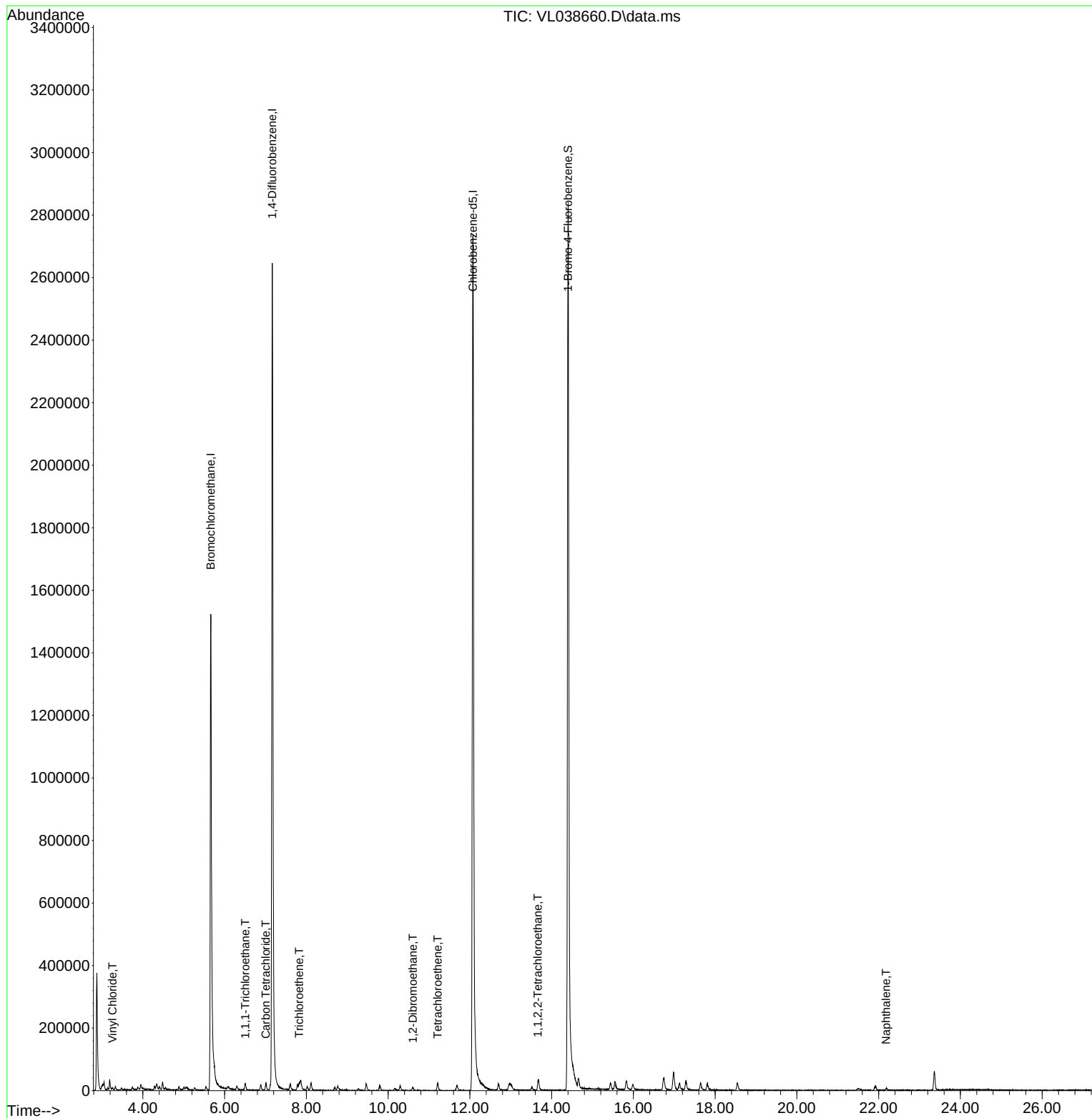
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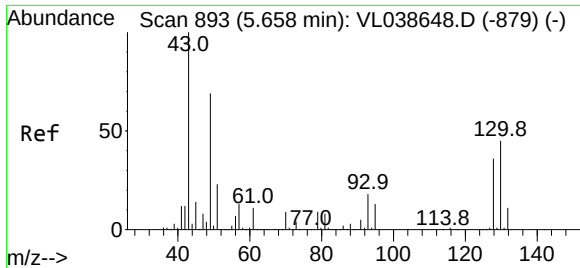
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022

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QLast Update : Mon Mar 21 17:09:26 2022
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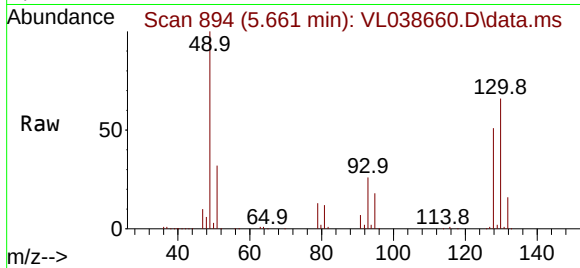
Reviewed By : Semsettin Yesilyurt 03/22/2022
Supervised By : Mahesh Dadoda 03/24/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 894
Delta R.T. 0.003 min
Lab File: VL038660.D
Acq: 21 Mar 2022 21:26

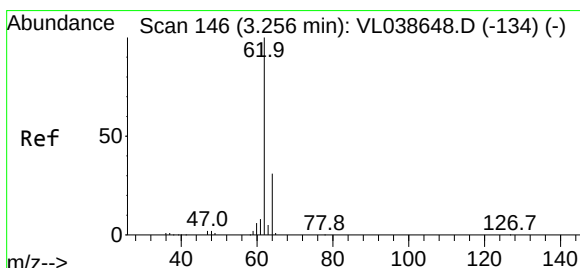
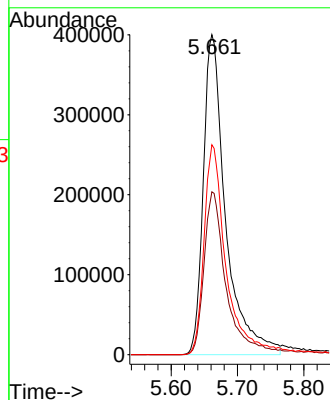
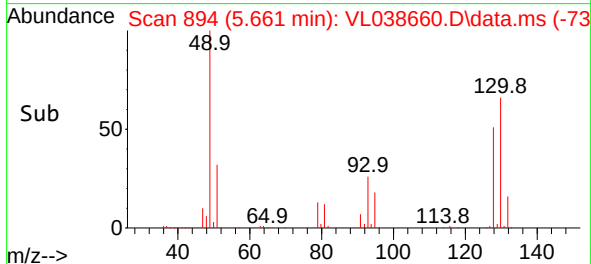
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion: 49 Resp: 936109
Ion Ratio Lower Upper
49 100
128 52.5 26.2 78.6
130 67.9 33.7 101.1

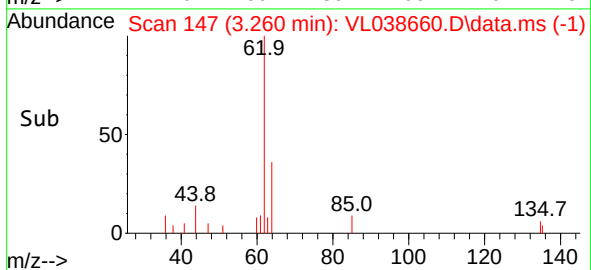
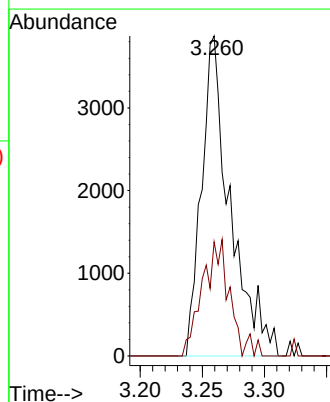
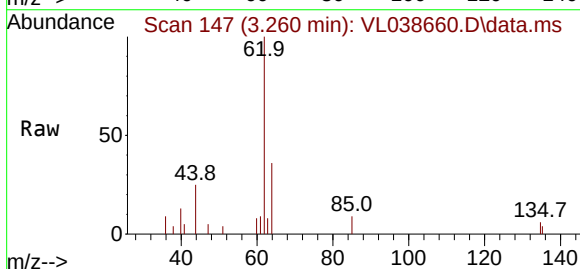
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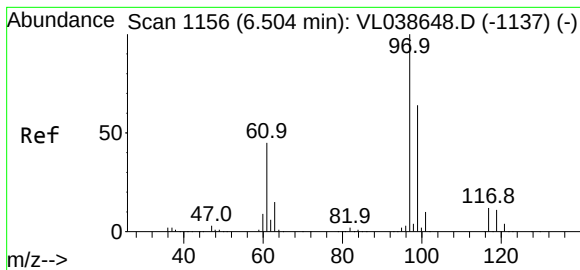
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#5
Vinyl Chloride
Concen: 0.113 ppbv m
RT: 3.260 min Scan# 147
Delta R.T. 0.003 min
Lab File: VL038660.D
Acq: 21 Mar 2022 21:26

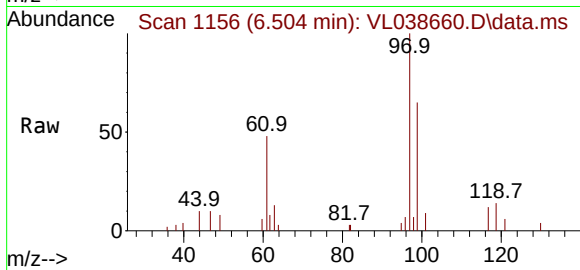
Tgt Ion: 62 Resp: 6227
Ion Ratio Lower Upper
62 100
64 35.7 25.0 37.4





#32
1,1,1-Trichloroethane
Concen: 0.103 ppbv m
RT: 6.504 min Scan# 1156
Delta R.T. 0.000 min
Lab File: VL038660.D
Acq: 21 Mar 2022 21:26

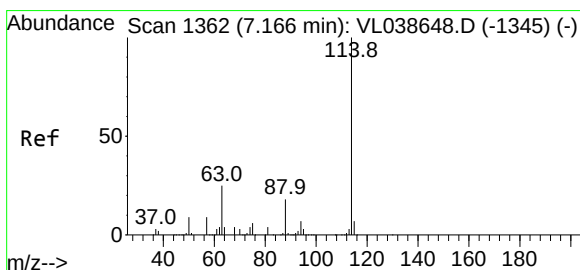
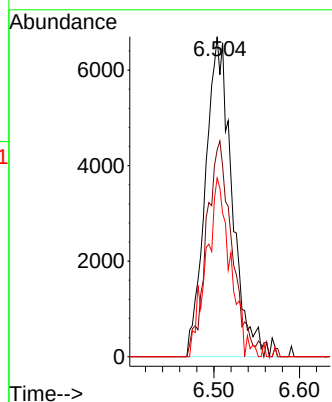
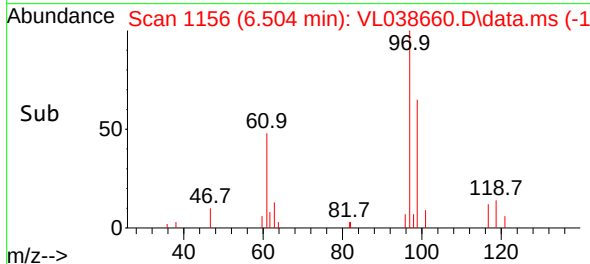
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion: 97 Resp: 1454
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.8
61 0.0 36.7 55.1

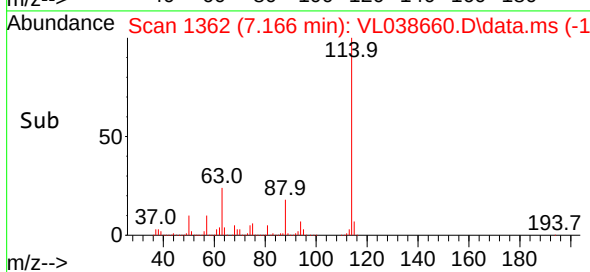
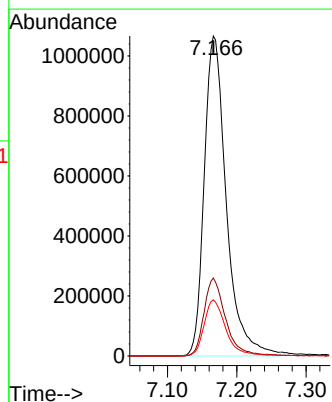
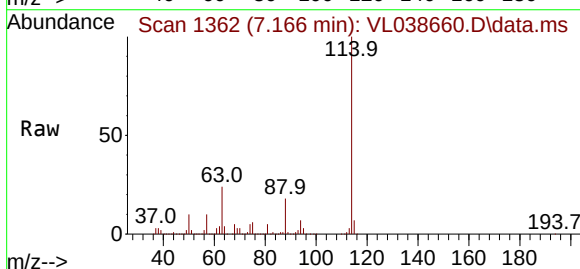
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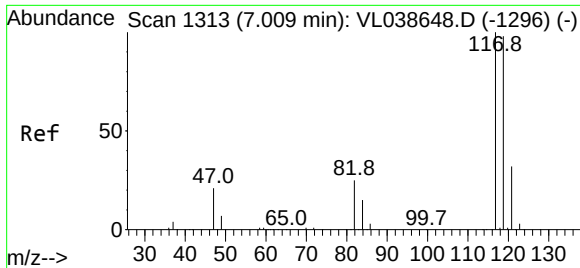
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VL038660.D
Acq: 21 Mar 2022 21:26

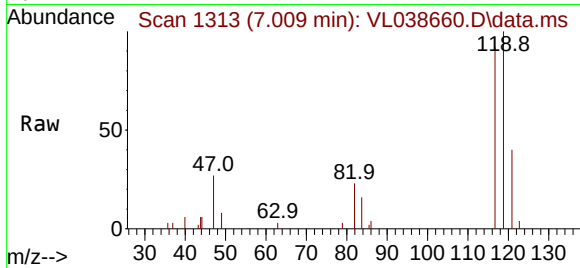
Tgt Ion:114 Resp: 2359429
Ion Ratio Lower Upper
114 100
63 24.1 19.4 29.0
88 17.3 13.9 20.9





#35
Carbon Tetrachloride
Concen: 0.105 ppbv m
RT: 7.009 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL038660.D
Acq: 21 Mar 2022 21:26

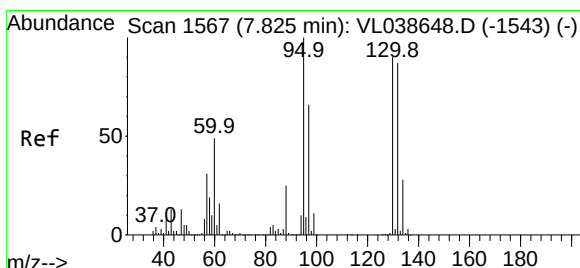
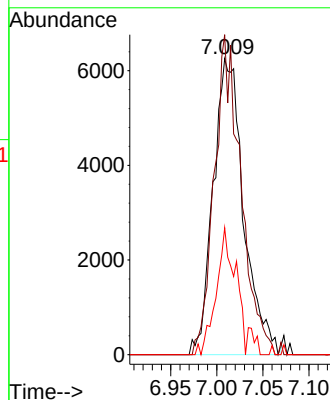
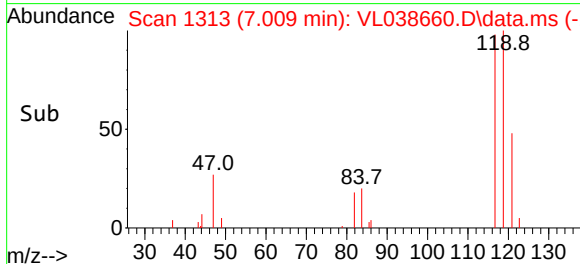
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2022



Tgt Ion:117 Resp: 1436
Ion Ratio Lower Upper
117 100
119 108.1 78.1 117.1
121 42.9 25.8 38.6

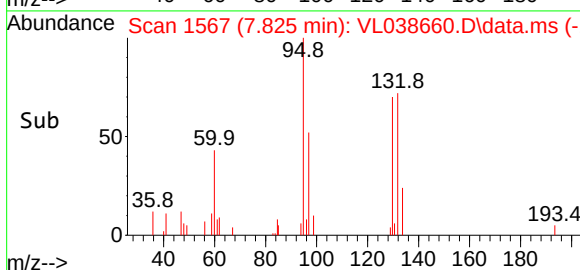
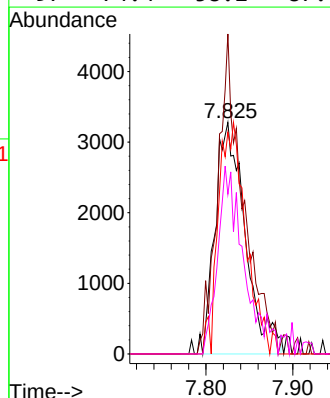
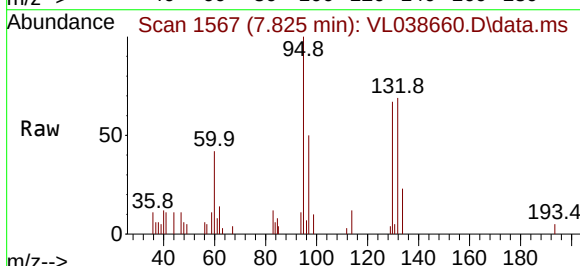
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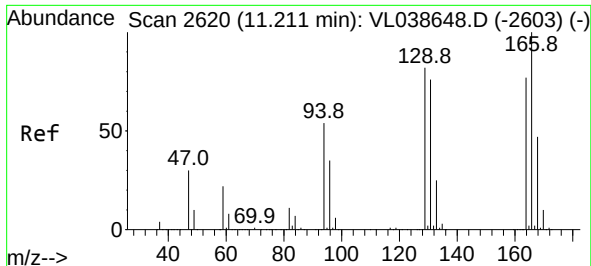
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#38
Trichloroethene
Concen: 0.104 ppbv m
RT: 7.825 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VL038660.D
Acq: 21 Mar 2022 21:26

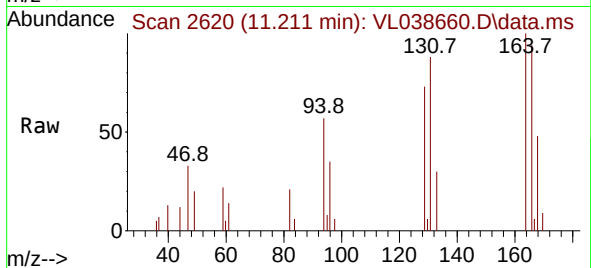
Tgt Ion:130 Resp: 7952
Ion Ratio Lower Upper
130 100
95 149.2 88.9 133.3#
132 103.3 77.4 116.0
97 74.4 58.2 87.4





#52
Tetrachloroethene
Concen: 0.092 ppbv m
RT: 11.211 min Scan# 2620
Delta R.T. 0.000 min
Lab File: VL038660.D
Acq: 21 Mar 2022 21:26

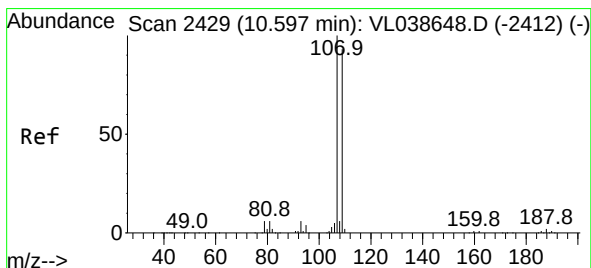
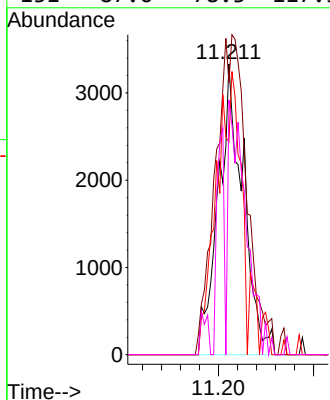
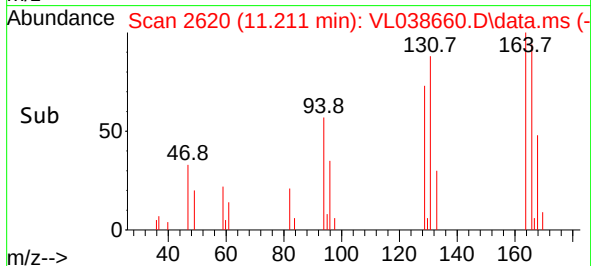
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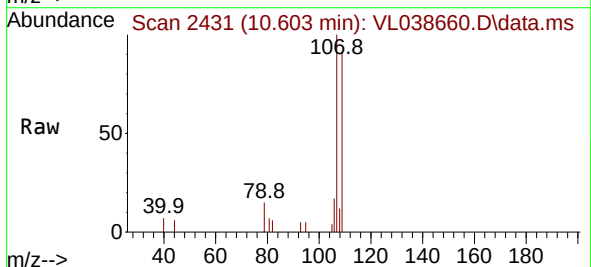
Tgt Ion:164 Resp: 6109
Ion Ratio Lower Upper
164 100
166 93.6 103.3 154.9
129 73.2 85.2 127.8
131 87.6 78.3 117.5

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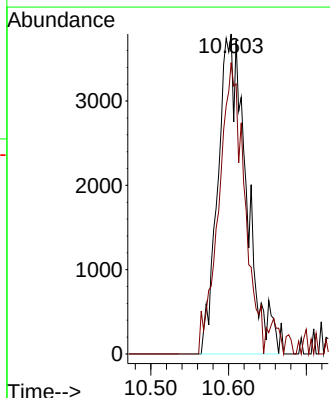
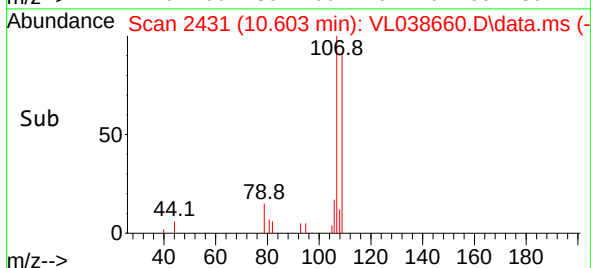
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

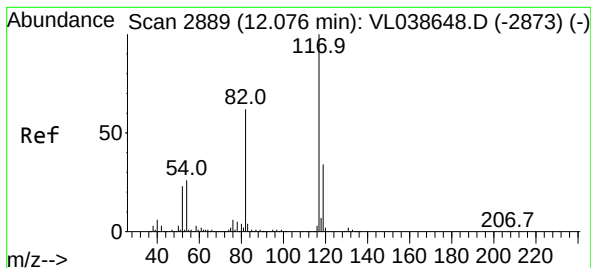


#54
1,2-Dibromoethane
Concen: 0.093 ppbv m
RT: 10.603 min Scan# 2431
Delta R.T. 0.006 min
Lab File: VL038660.D
Acq: 21 Mar 2022 21:26



Tgt Ion:107 Resp: 9676
Ion Ratio Lower Upper
107 100
109 91.1 74.1 111.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.076 min Scan# 2889

Delta R.T. 0.000 min

Lab File: VL038660.D

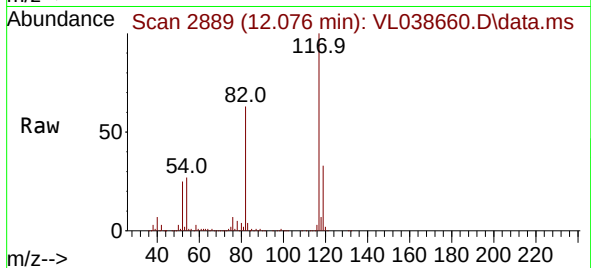
Acq: 21 Mar 2022 21:26

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT1-2022



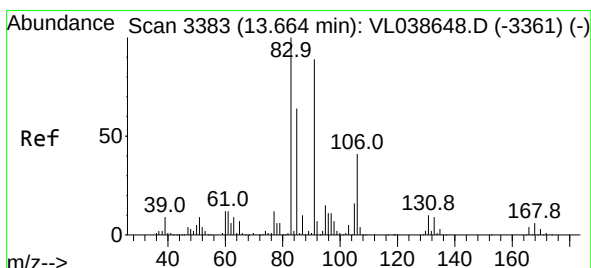
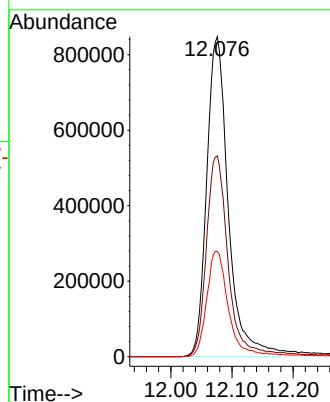
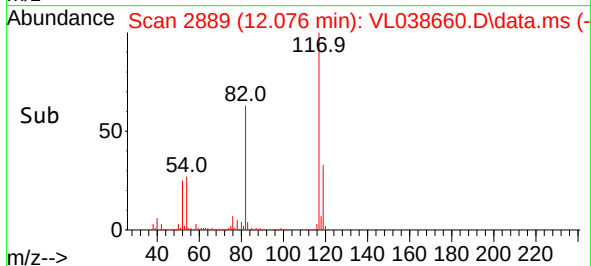
Tgt Ion: 117 Resp: 207492

Ion	Ratio	Lower	Upper
117	100		
82	64.8	51.6	77.4
119	34.3	26.9	40.3

Manual Integrations

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Supervised By :Mahesh Dadoda 03/24/2022



#63

1,1,2,2-Tetrachloroethane

Concen: 0.103 ppbv m

RT: 13.661 min Scan# 3382

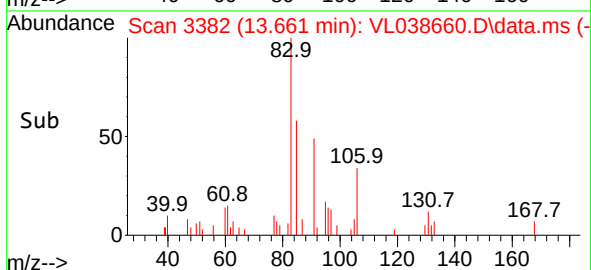
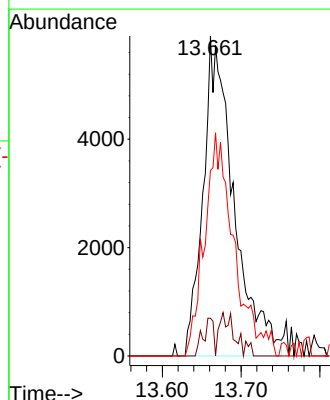
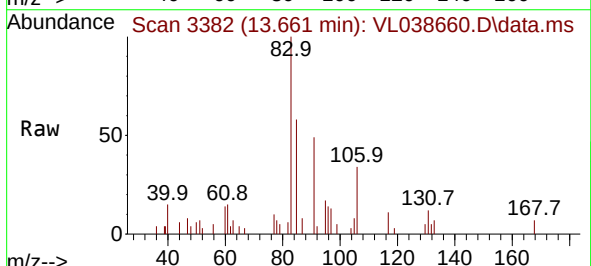
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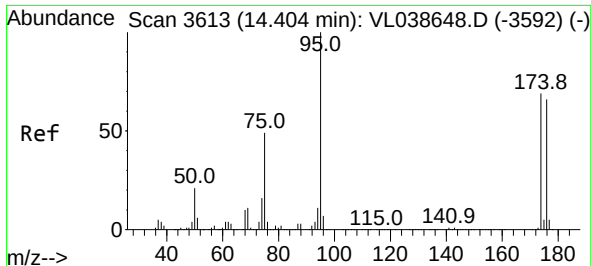
Lab File: VL038660.D

Acq: 21 Mar 2022 21:26

Tgt Ion: 83 Resp: 16017

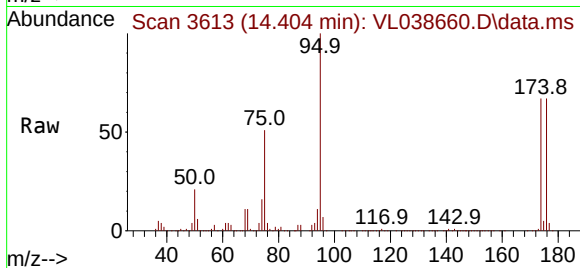
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	0.0	32.6	97.8#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.491 ppbv
RT: 14.404 min Scan# 3613
Delta R.T. 0.000 min
Lab File: VL038660.D
Acq: 21 Mar 2022 21:26

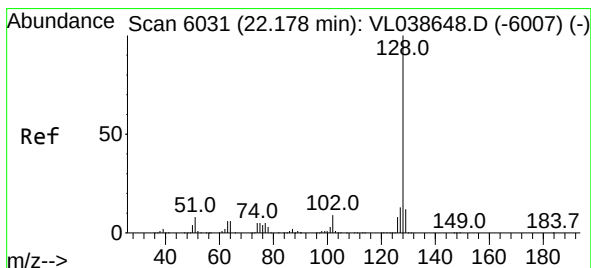
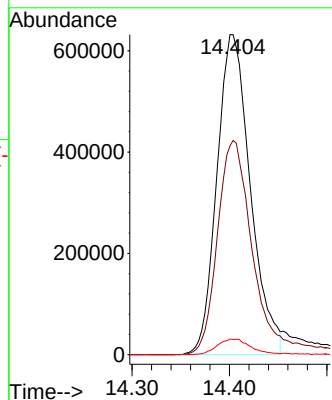
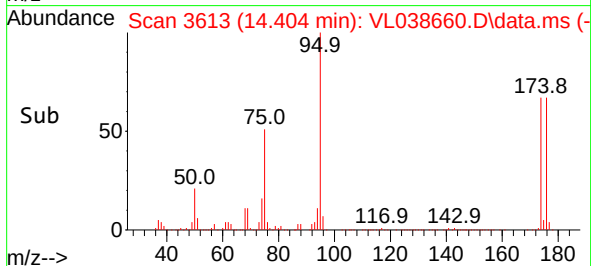
Instrument : MSVOA_L
ClientSampleId :
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Tgt Ion: 95 Resp: 1509798
Ion Ratio Lower Upper
95 100
174 74.7 56.1 84.1
175 5.1 4.2 6.2

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Supervised By :Mahesh Dadoda 03/24/2022



#79
Naphthalene
Concen: 0.051 ppbv m
RT: 22.178 min Scan# 6031
Delta R.T. 0.000 min
Lab File: VL038660.D
Acq: 21 Mar 2022 21:26

Tgt Ion:128 Resp: 9262
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 9.4 9.2 13.8

