

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
 Data File : VL038652.D
 Acq On : 21 Mar 2022 15:08
 Operator : SY/AP
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

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

Quant Time: Mar 21 15:44:06 2022

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

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Mar 21 2022

QLast Update : Mon Mar 21 15:04:50 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.661	49	939743	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	2414848	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	2104649	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	1571568	9.821	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	3.259	62	5563m	0.090	ppbv	
32) 1,1,1-Trichloroethane	6.507	97	13926m	0.088	ppbv	
35) Carbon Tetrachloride	7.012	117	13726m	0.083	ppbv	
38) Trichloroethene	7.822	130	7930m	0.091	ppbv	
52) Tetrachloroethene	11.224	164	6449m	0.081	ppbv	
54) 1,2-Dibromoethane	10.603	107	10008m	0.082	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.677	83	16443m	0.088	ppbv	
79) Naphthalene	22.217	128	9588m	0.042	ppbv	

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

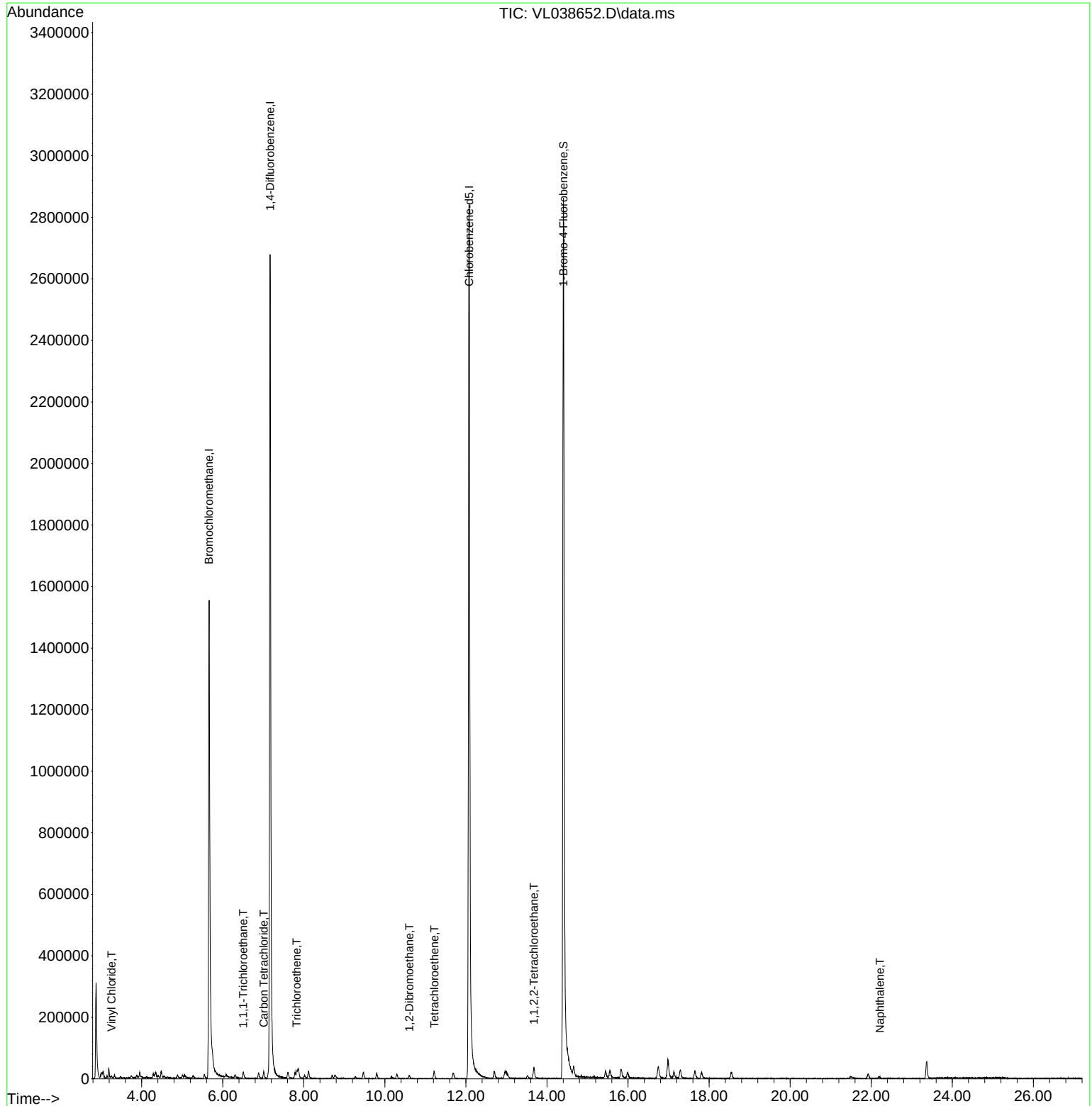
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032122\
Data File : VL038652.D
Acq On : 21 Mar 2022 15:08
Operator : SY/AP
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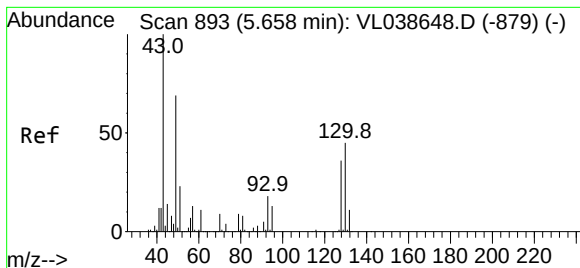
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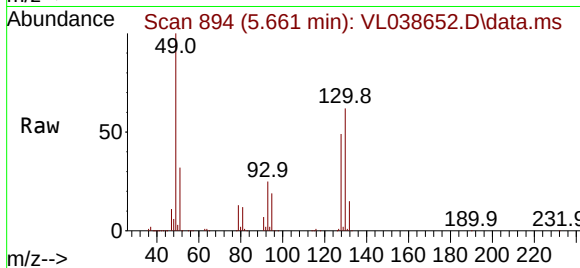
Quant Time: Mar 21 15:44:06 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar
QLast Update : Mon Mar 21 15:04:50 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 893
Delta R.T. 0.003 min
Lab File: VL038652.D
Acq: 21 Mar 2022 15:08

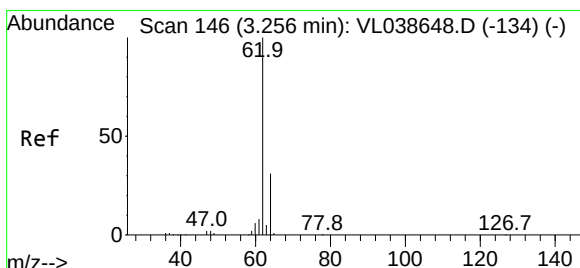
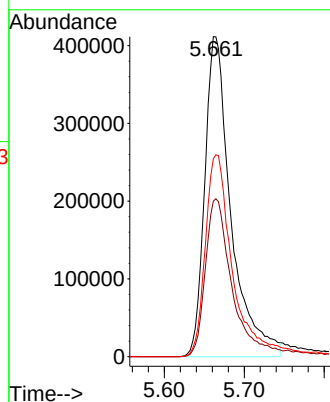
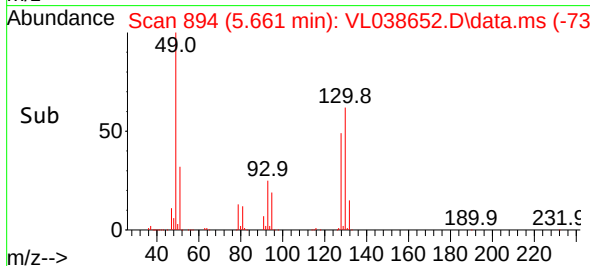
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 49 Resp: 93974
Ion Ratio Lower Upper
49 100
128 53.0 26.2 78.6
130 68.9 33.7 101.1

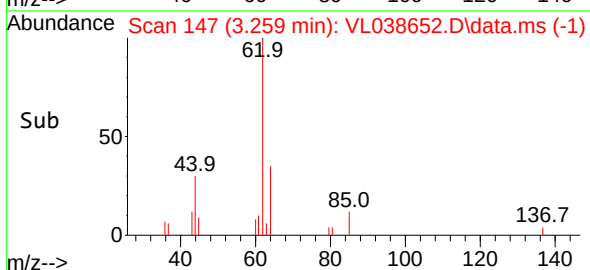
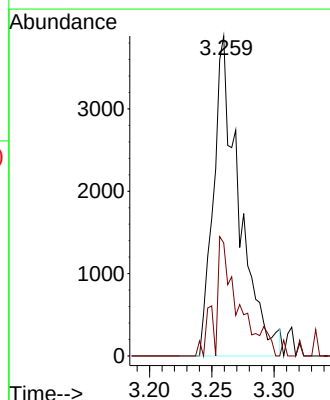
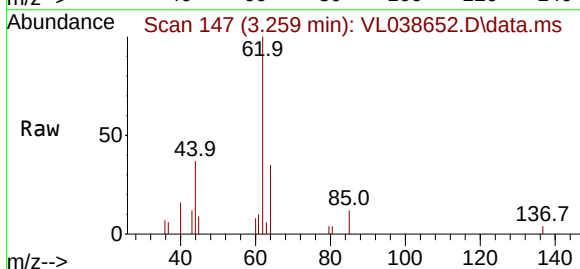
Manual Integrations
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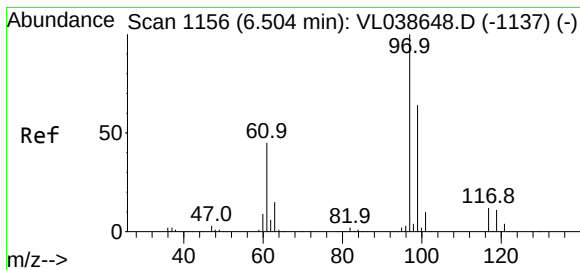
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#5
Vinyl Chloride
Concen: 0.090 ppbv m
RT: 3.259 min Scan# 147
Delta R.T. 0.003 min
Lab File: VL038652.D
Acq: 21 Mar 2022 15:08

Tgt Ion: 62 Resp: 5563
Ion Ratio Lower Upper
62 100
64 35.3 25.0 37.4





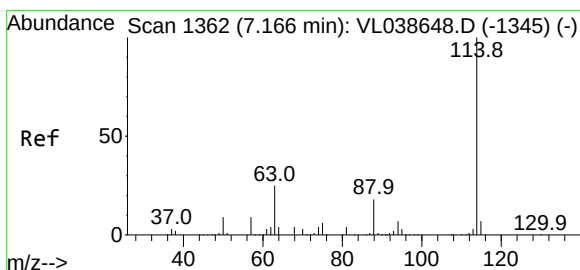
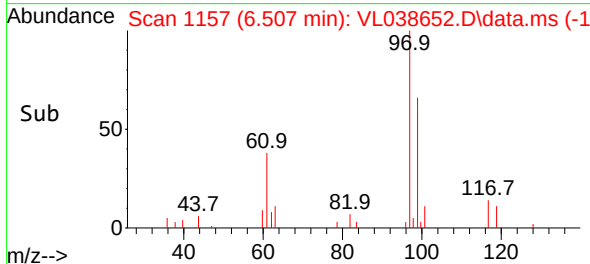
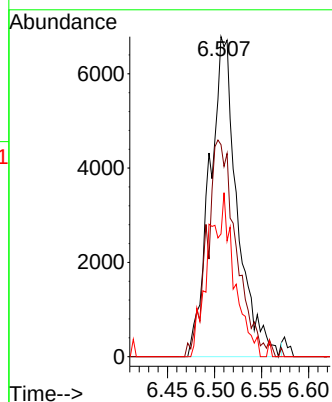
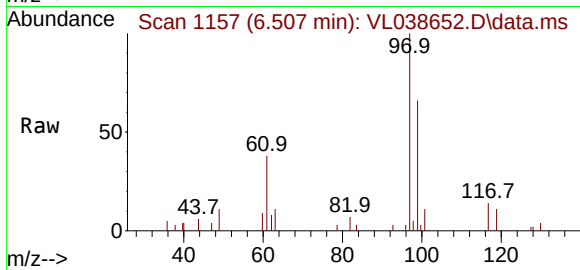
#32
1,1,1-Trichloroethane
Concen: 0.088 ppbv m
RT: 6.507 min Scan# 1156
Delta R.T. 0.003 min
Lab File: VL038652.D
Acq: 21 Mar 2022 15:08

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 97 Resp: 13920
Ion Ratio Lower Upper
97 100
99 71.8 51.8 77.8
61 48.2 36.7 55.1

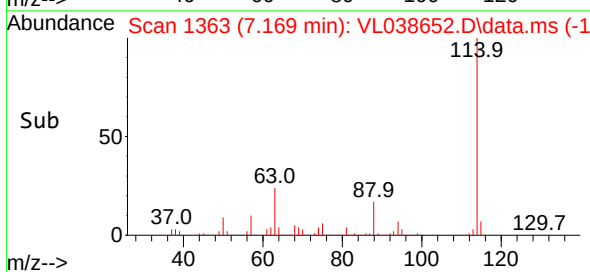
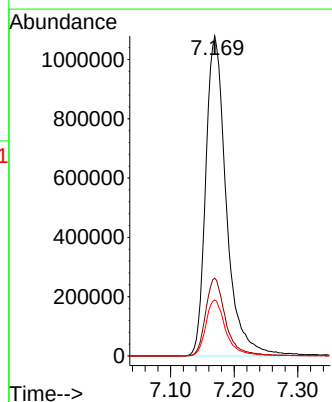
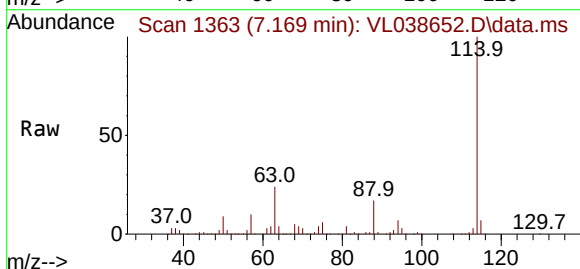
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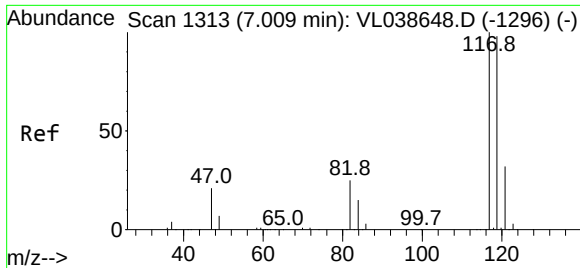
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 1363
Delta R.T. 0.003 min
Lab File: VL038652.D
Acq: 21 Mar 2022 15:08

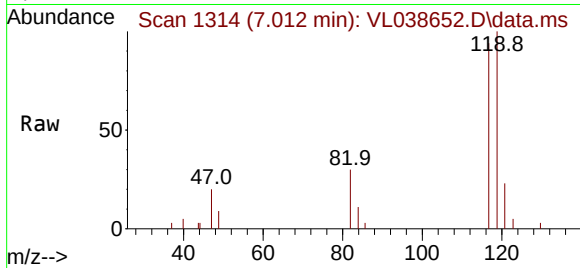
Tgt Ion:114 Resp: 2414848
Ion Ratio Lower Upper
114 100
63 24.1 19.4 29.0
88 17.3 13.9 20.9





#35
Carbon Tetrachloride
Concen: 0.083 ppbv m
RT: 7.012 min Scan# 1313
Delta R.T. 0.003 min
Lab File: VL038652.D
Acq: 21 Mar 2022 15:08

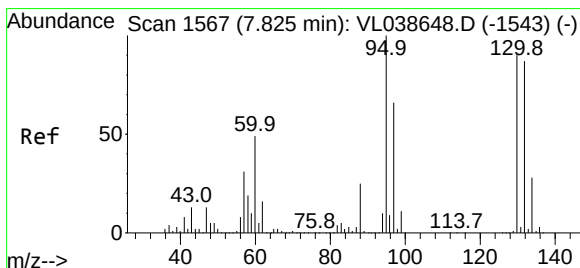
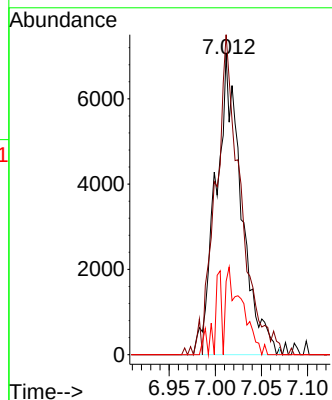
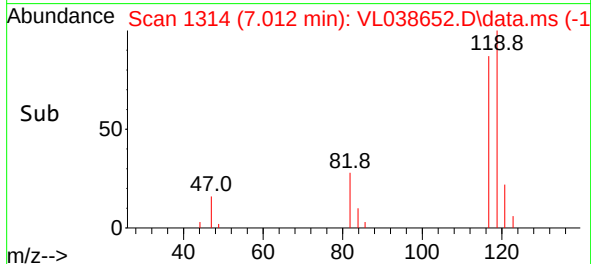
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:117 Resp: 13720
Ion Ratio Lower Upper
117 100
119 106.4 78.1 117.1
121 24.4 25.8 38.6

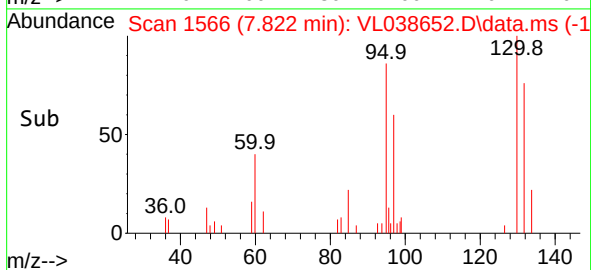
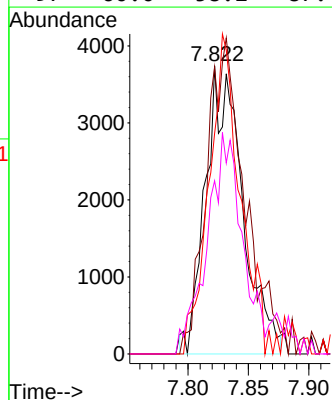
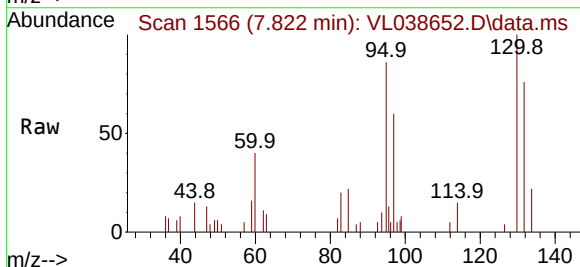
Manual Integrations
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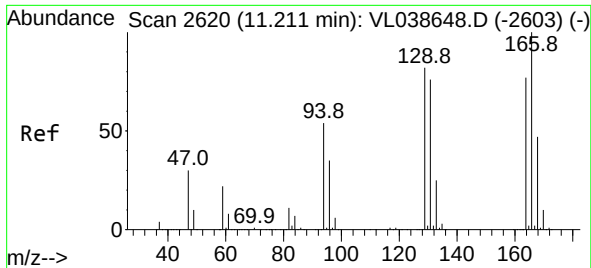
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022



#38
Trichloroethene
Concen: 0.091 ppbv m
RT: 7.822 min Scan# 1566
Delta R.T. -0.003 min
Lab File: VL038652.D
Acq: 21 Mar 2022 15:08

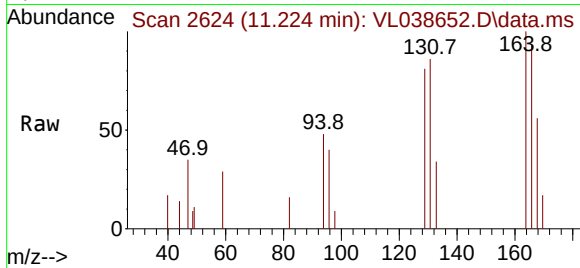
Tgt Ion:130 Resp: 7930
Ion Ratio Lower Upper
130 100
95 86.3 88.9 133.3#
132 76.5 77.4 116.0#
97 60.0 58.2 87.4





#52
Tetrachloroethene
Concen: 0.081 ppbv m
RT: 11.224 min Scan# 2624
Delta R.T. 0.013 min
Lab File: VL038652.D
Acq: 21 Mar 2022 15:08

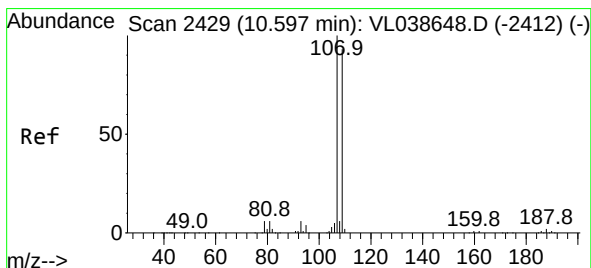
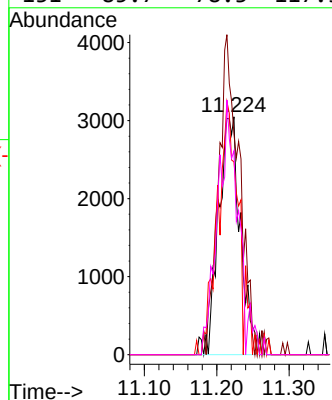
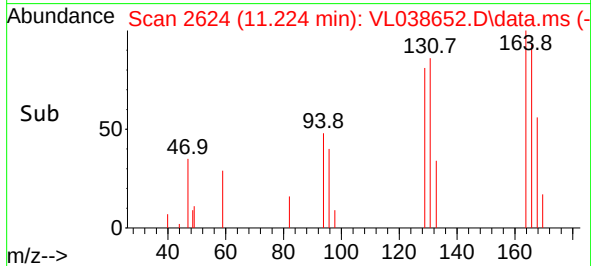
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



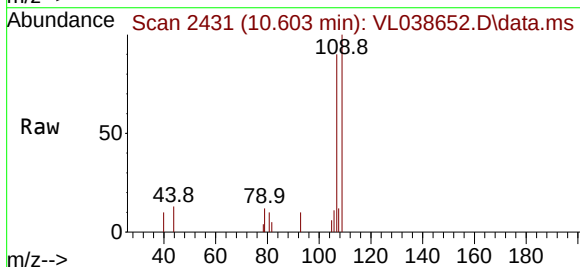
Tgt Ion:164 Resp: 6449
Ion Ratio Lower Upper
164 100
166 92.8 103.3 154.9
129 81.0 85.2 127.8
131 85.7 78.3 117.5

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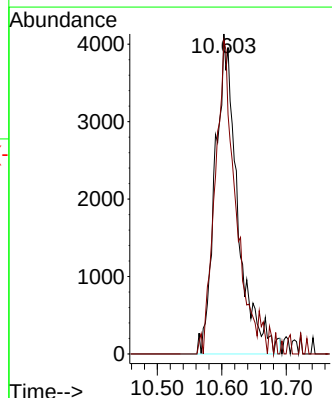
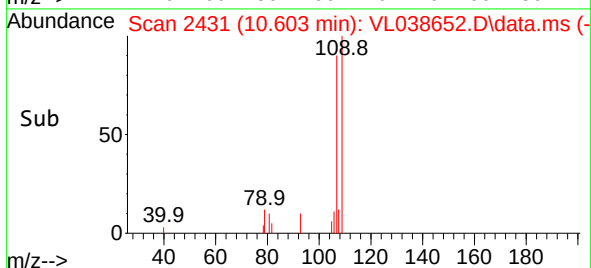
Reviewed By :Semsettin Yesilyurt 03/22/2022
Supervised By :Mahesh Dadoda 03/24/2022

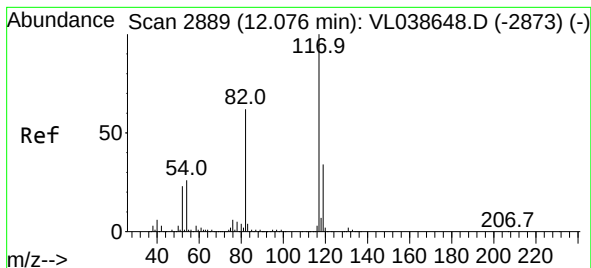


#54
1,2-Dibromoethane
Concen: 0.082 ppbv m
RT: 10.603 min Scan# 2431
Delta R.T. 0.006 min
Lab File: VL038652.D
Acq: 21 Mar 2022 15:08



Tgt Ion:107 Resp: 10008
Ion Ratio Lower Upper
107 100
109 111.5 74.1 111.1#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.079 min Scan# 2104649

Delta R.T. 0.003 min

Lab File: VL038652.D

Acq: 21 Mar 2022 15:08

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion:117 Resp: 2104649

Ion Ratio Lower Upper

117 100

82 66.2 51.6 77.4

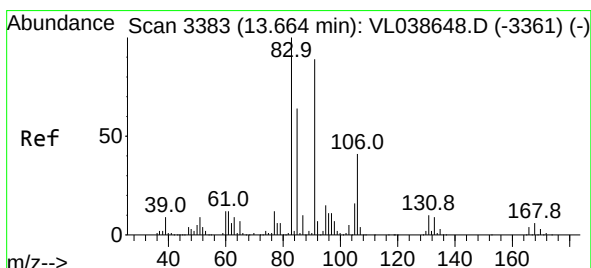
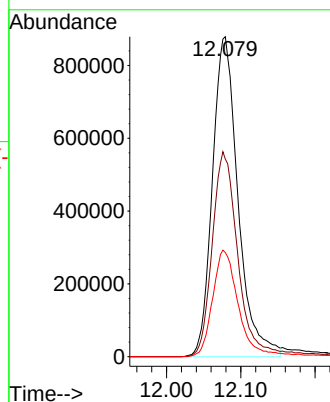
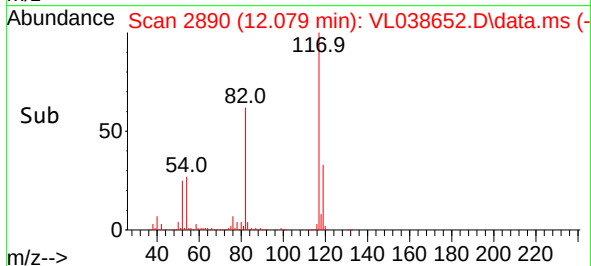
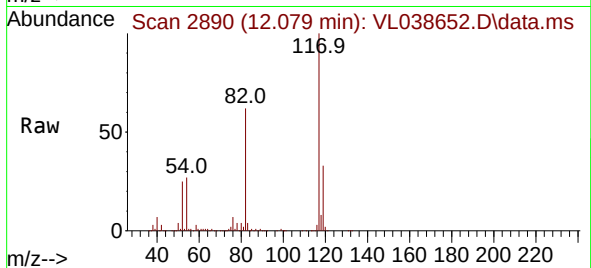
119 34.3 26.9 40.3

Manual Integrations

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Supervised By :Mahesh Dadoda 03/24/2022



#63

1,1,2,2-Tetrachloroethane

Concen: 0.088 ppbv m

RT: 13.677 min Scan# 3387

Delta R.T. 0.013 min

Lab File: VL038652.D

Acq: 21 Mar 2022 15:08

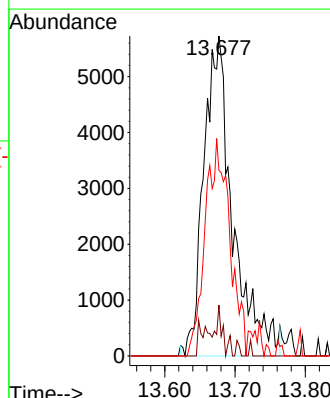
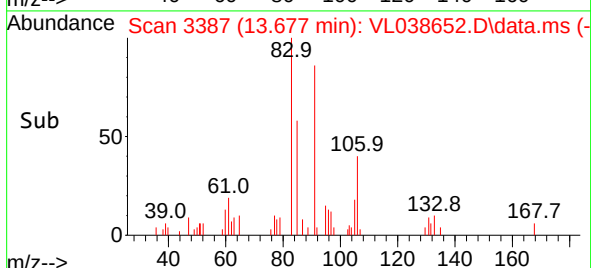
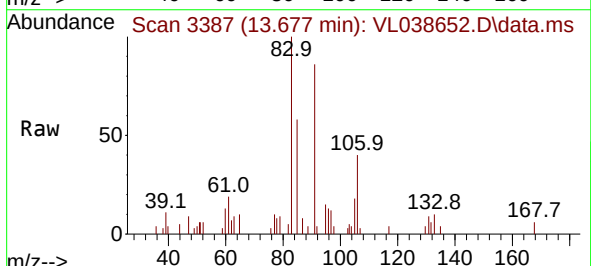
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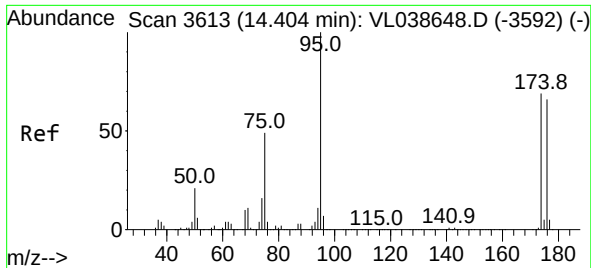
Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

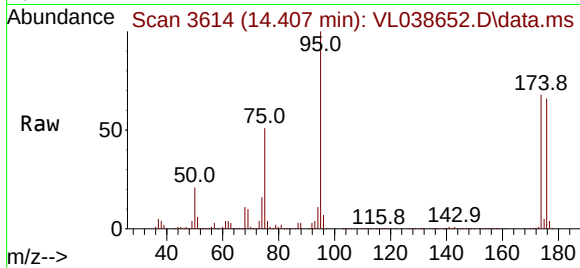
85 0.0 32.6 97.8#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.821 ppbv
RT: 14.407 min Scan# 3614
Delta R.T. 0.003 min
Lab File: VL038652.D
Acq: 21 Mar 2022 15:08

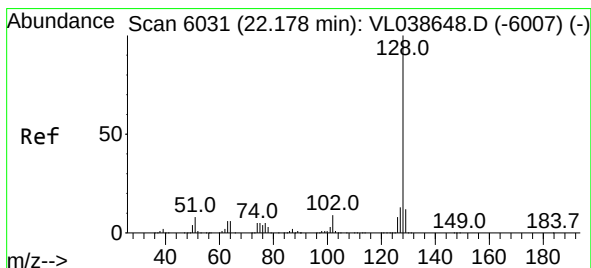
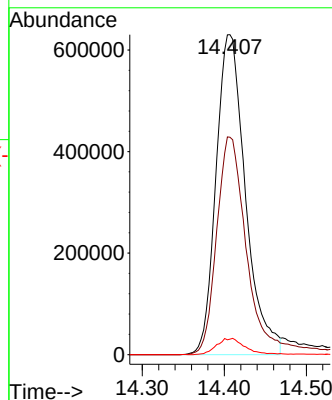
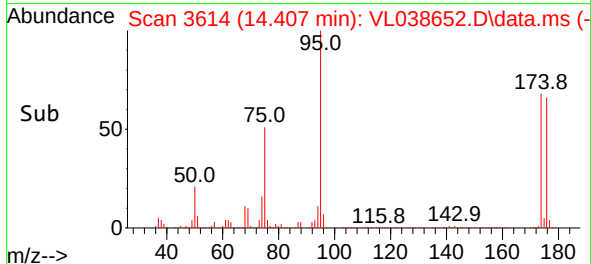
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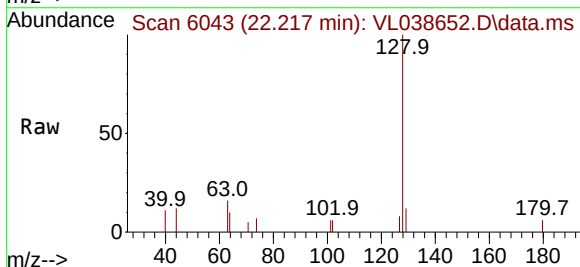
Tgt Ion: 95 Resp: 157156
Ion Ratio Lower Upper
95 100
174 72.9 56.1 84.1
175 5.3 4.2 6.2

Manual Integrations
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Supervised By :Mahesh Dadoda 03/24/2022



#79
Naphthalene
Concen: 0.042 ppbv m
RT: 22.217 min Scan# 6043
Delta R.T. 0.039 min
Lab File: VL038652.D
Acq: 21 Mar 2022 15:08



Tgt Ion:128 Resp: 9588
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 12.1 9.2 13.8

