

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
 Data File : VL040688.D
 Acq On : 14 Sep 2023 17:04
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2023
 Supervised By :Mahesh Dadoda 09/15/2023

Quant Time: Sep 14 17:40:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Sep 14 16:39:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1017540	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2753409	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2283854	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1782289	9.812	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.100%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.912	62	2950m	0.043	ppbv	
32) 1,1,1-Trichloroethane	5.989	97	5865m	0.034	ppbv	
35) Carbon Tetrachloride	6.488	117	6077m	0.035	ppbv	
38) Trichloroethene	7.288	130	1989m	0.023	ppbv	
52) Tetrachloroethene	10.619	164	1801m	0.026	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.053	83	5813m	0.033	ppbv	

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

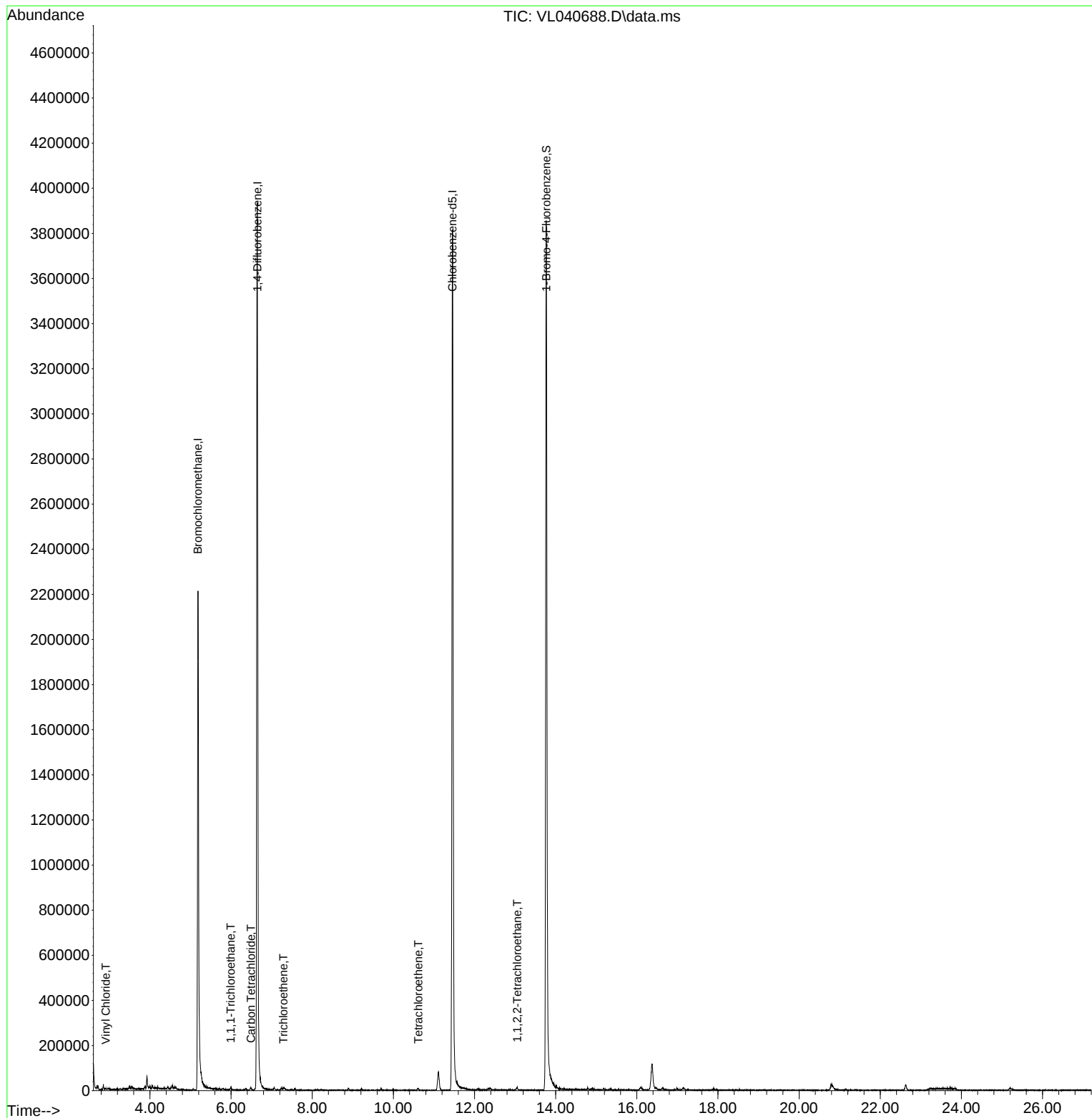
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091423\
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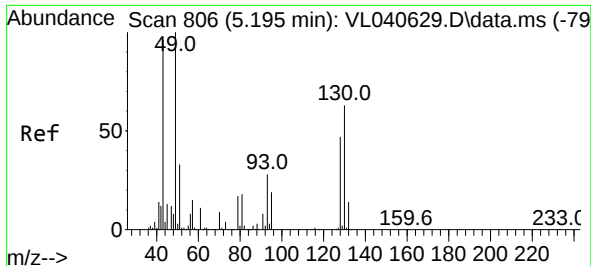
Instrument :
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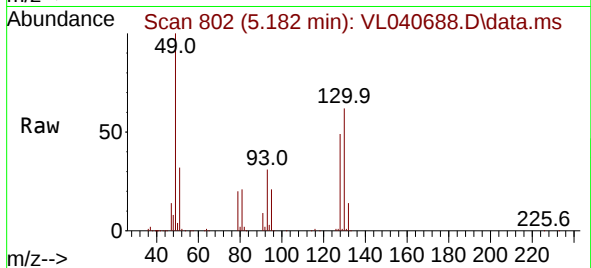
Reviewed By : Semsettin Yesilyurt 09/15/2023
Supervised By : Mahesh Dadoda 09/15/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040688.D
Acq: 14 Sep 2023 17:04

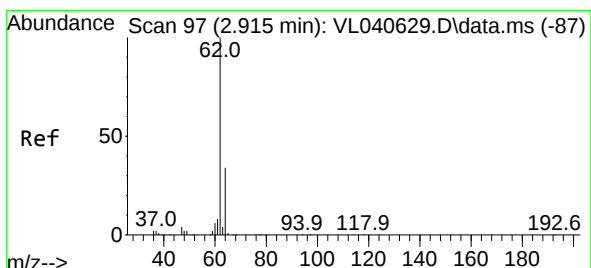
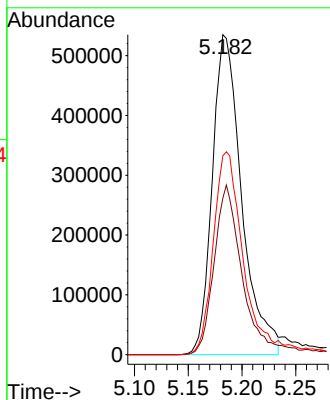
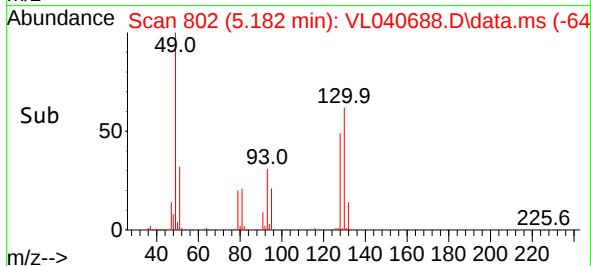
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



Tgt Ion: 49 Resp: 1017540
Ion Ratio Lower Upper
49 100
128 52.8 25.4 76.0
130 67.6 32.3 96.8

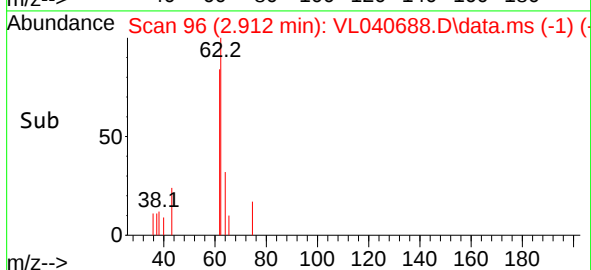
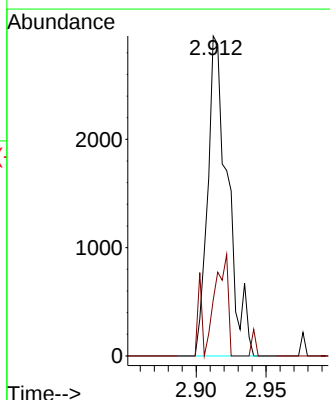
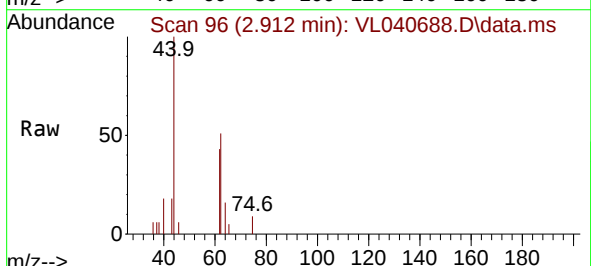
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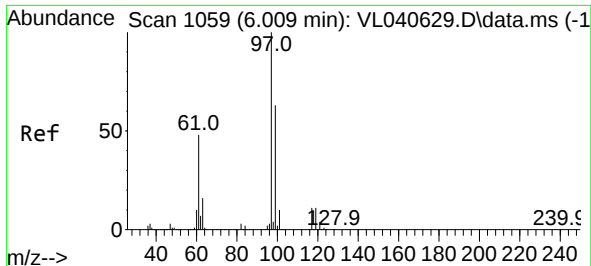
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#5
Vinyl Chloride
Concen: 0.043 ppbv m
RT: 2.912 min Scan# 96
Delta R.T. 0.003 min
Lab File: VL040688.D
Acq: 14 Sep 2023 17:04

Tgt Ion: 62 Resp: 2950
Ion Ratio Lower Upper
62 100
64 32.3 27.2 40.8





#32

1,1,1-Trichloroethane

Concen: 0.034 ppbv m

RT: 5.989 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VL040688.D

Acq: 14 Sep 2023 17:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.03

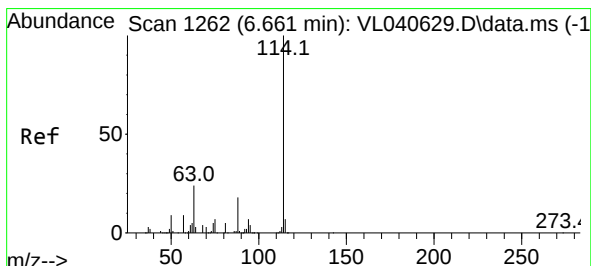
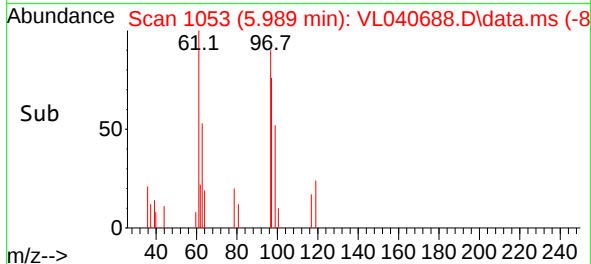
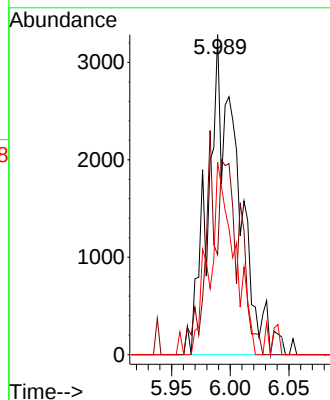
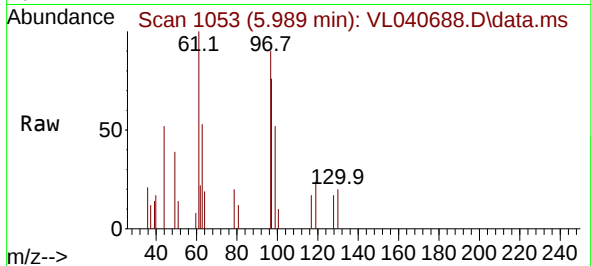
Tgt Ion: 97	Resp: 586
Ion Ratio	Lower Upper
97 100	
99 64.0	52.4 78.6
61 51.3	40.2 60.4

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

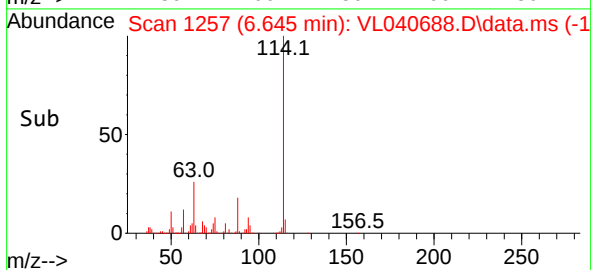
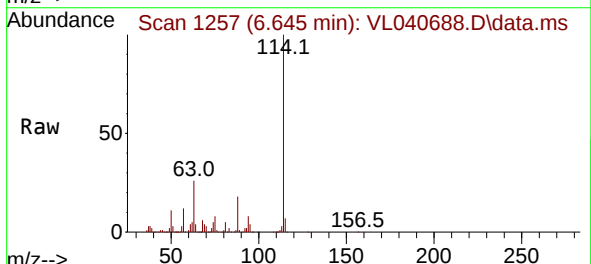
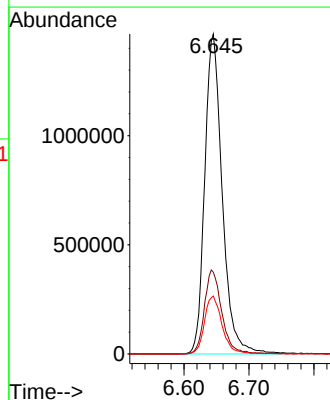
RT: 6.645 min Scan# 1257

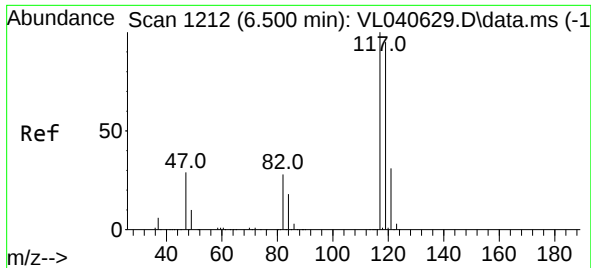
Delta R.T. 0.000 min

Lab File: VL040688.D

Acq: 14 Sep 2023 17:04

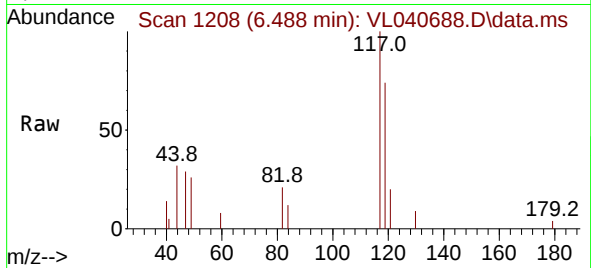
Tgt Ion:114	Resp: 2753409
Ion Ratio	Lower Upper
114 100	
63 26.2	21.1 31.7
88 18.2	14.5 21.7





#35
Carbon Tetrachloride
Concen: 0.035 ppbv m
RT: 6.488 min Scan# 117
Delta R.T. 0.003 min
Lab File: VL040688.D
Acq: 14 Sep 2023 17:04

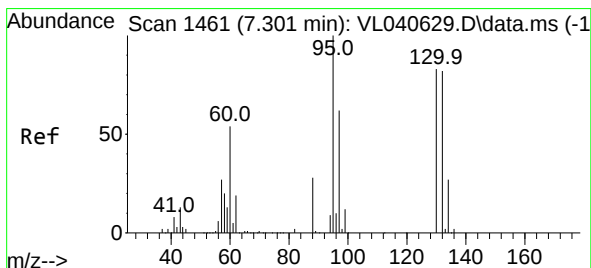
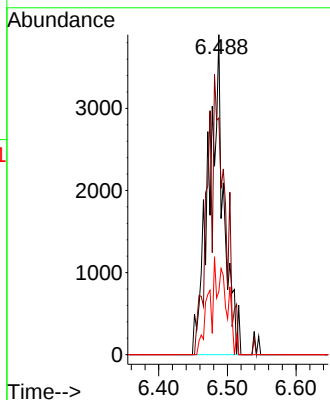
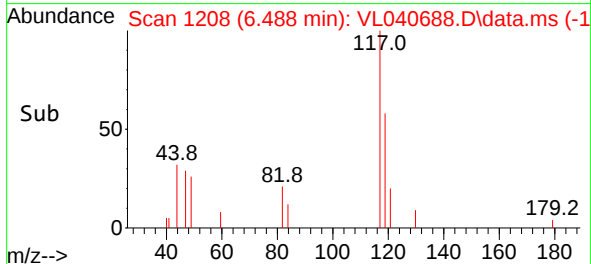
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



Tgt Ion:117 Resp: 607
Ion Ratio Lower Upper
117 100
119 73.9 78.6 117.8#
121 19.7 24.7 37.1#

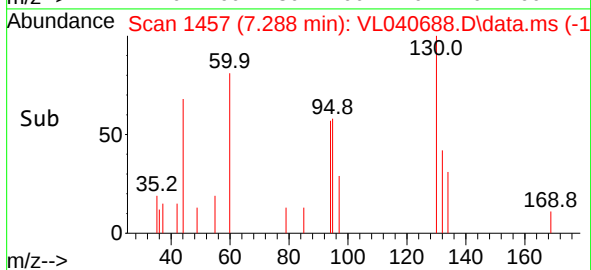
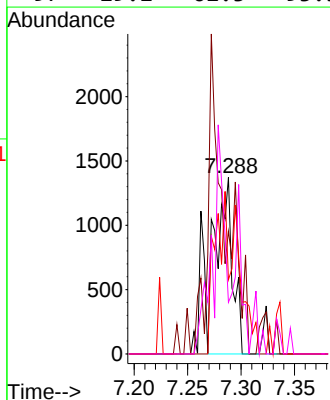
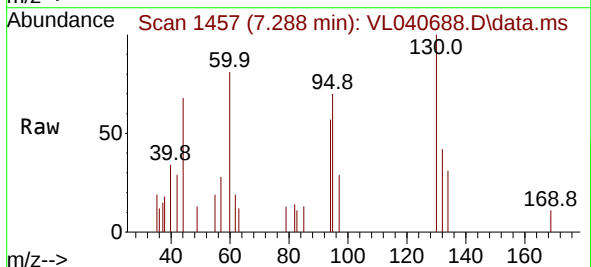
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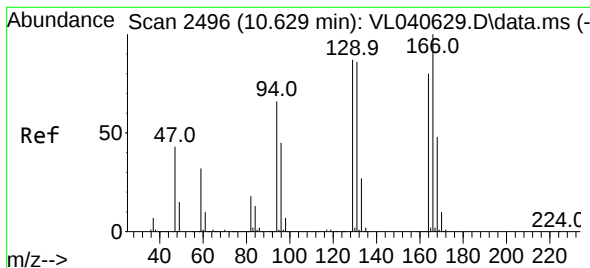
Reviewed By :Semsettin Yesilyurt 09/15/2023
Supervised By :Mahesh Dadoda 09/15/2023



#38
Trichloroethene
Concen: 0.023 ppbv m
RT: 7.288 min Scan# 1457
Delta R.T. 0.003 min
Lab File: VL040688.D
Acq: 14 Sep 2023 17:04

Tgt Ion:130 Resp: 1989
Ion Ratio Lower Upper
130 100
95 69.5 91.9 137.9#
132 42.1 77.3 115.9#
97 29.2 62.3 93.5#





#52

Tetrachloroethene

Concen: 0.026 ppbv m

RT: 10.619 min Scan# 2496

Delta R.T. 0.010 min

Lab File: VL040688.D

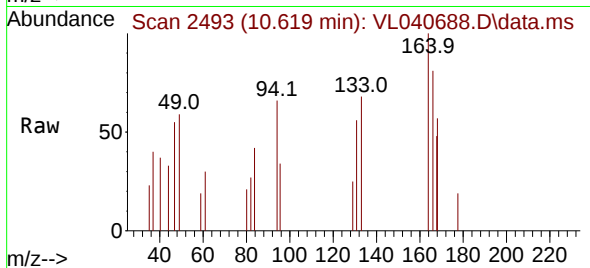
Acq: 14 Sep 2023 17:04

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03



Tgt Ion:164 Resp: 180

Ion Ratio Lower Upper

164 100

166 81.0 103.4 155.2

129 25.3 83.5 125.3

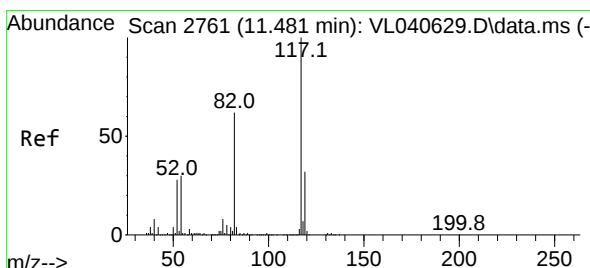
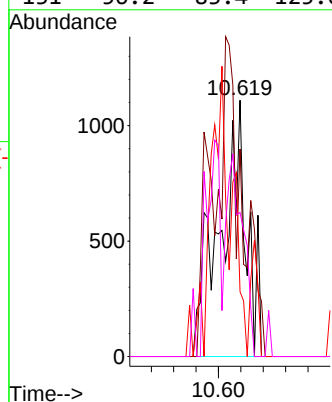
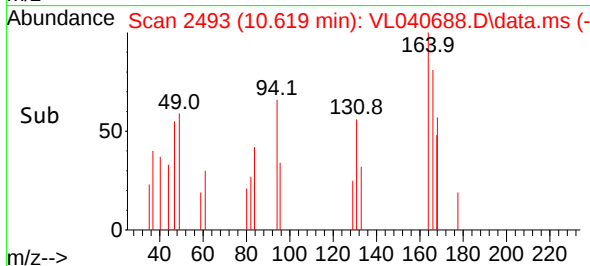
131 56.2 83.4 125.0

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 2753

Delta R.T. -0.006 min

Lab File: VL040688.D

Acq: 14 Sep 2023 17:04

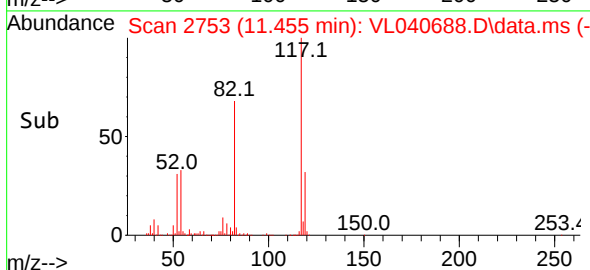
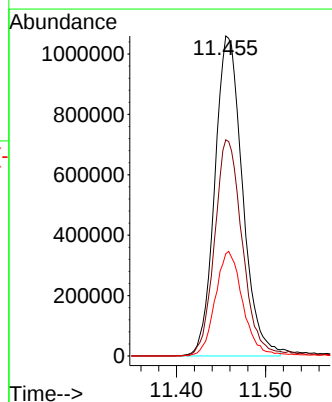
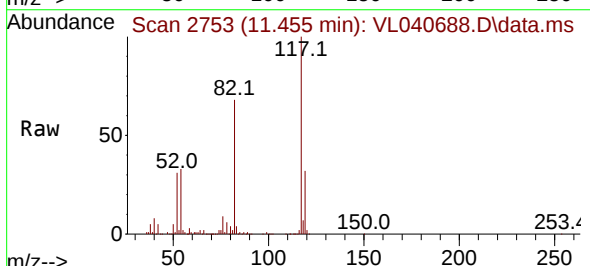
Tgt Ion:117 Resp: 2283854

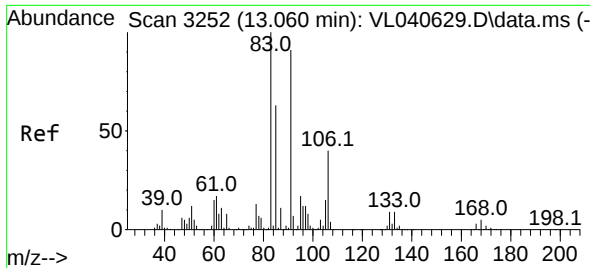
Ion Ratio Lower Upper

117 100

82 69.2 51.4 77.0

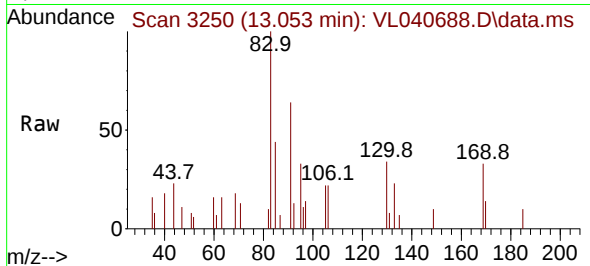
119 32.9 24.7 37.1





#63
1,1,2,2-Tetrachloroethane
Concen: 0.033 ppbv m
RT: 13.053 min Scan# 31
Delta R.T. 0.013 min
Lab File: VL040688.D
Acq: 14 Sep 2023 17:04

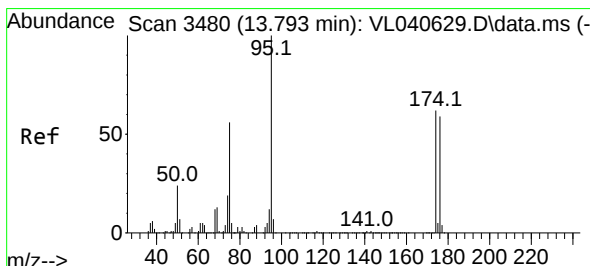
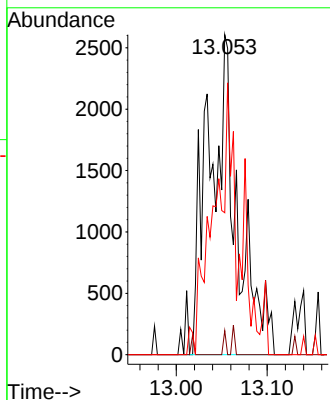
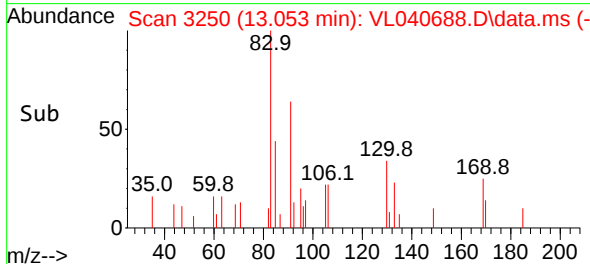
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



Tgt Ion: 83 Resp: 581
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.1
85 0.0 33.1 99.3

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.812 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. -0.003 min
Lab File: VL040688.D
Acq: 14 Sep 2023 17:04

Tgt Ion: 95 Resp: 1782289
Ion Ratio Lower Upper
95 100
174 63.0 48.9 73.3
175 4.4 3.5 5.3

