

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL073123\
 Data File : VL040576.D
 Acq On : 31 Jul 2023 17:18
 Operator : SY/MD
 Sample : 03572-15 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 08/01/2023
 Supervised By :Mahesh Dadoda 08/01/2023

Quant Time: Aug 01 01:40:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 01 01:40:27 2023
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	1088221	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.645	114	2676129	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.462	117	2381999	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1972906	10.465	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.700%
Target Compounds						
						Qvalue
32) 1,1,1-Trichloroethane	5.996	97	5446m	0.030	ppbv	
35) Carbon Tetrachloride	6.491	117	5871m	0.036	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.047	83	5500m	0.031	ppbv	

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

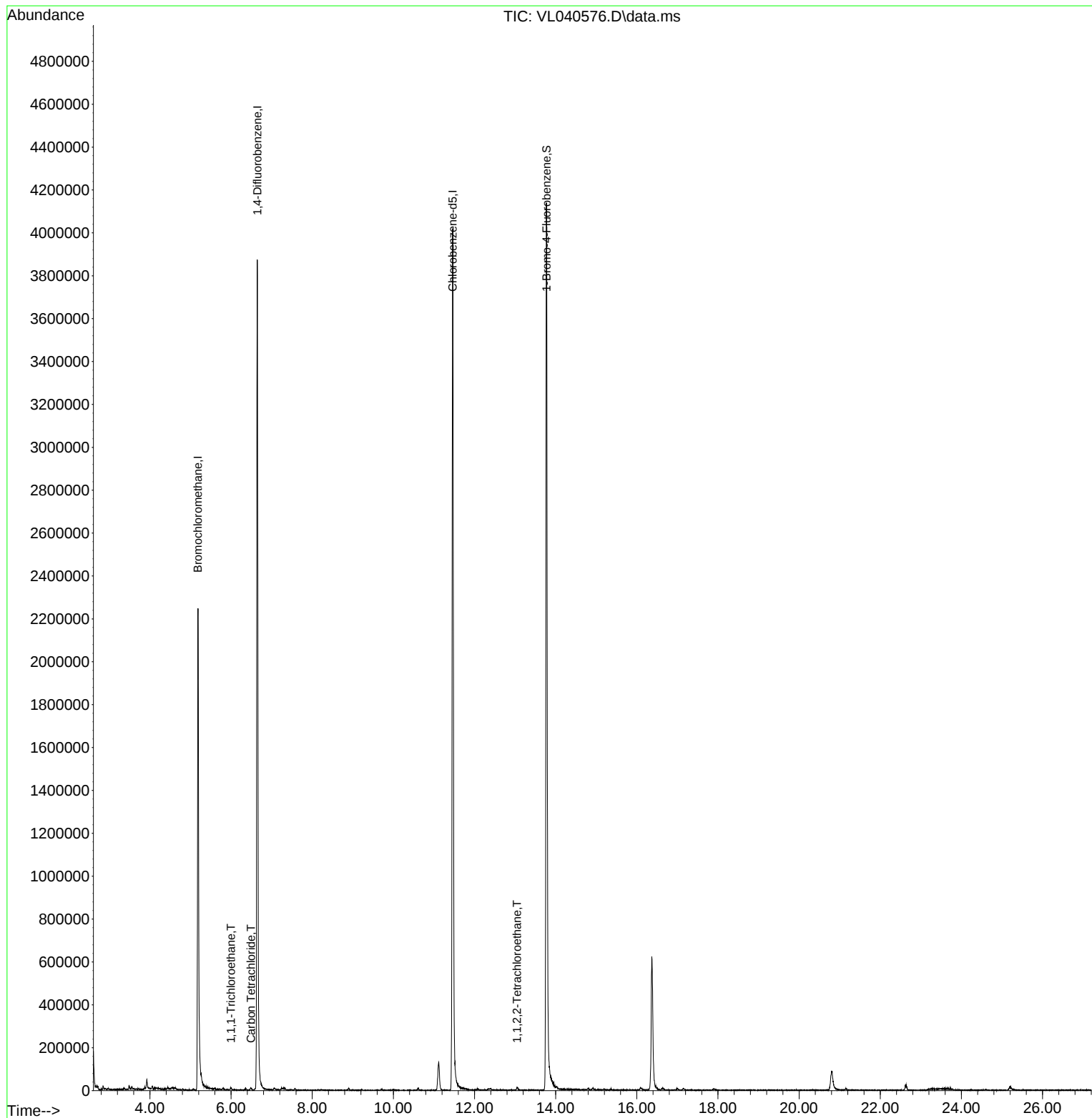
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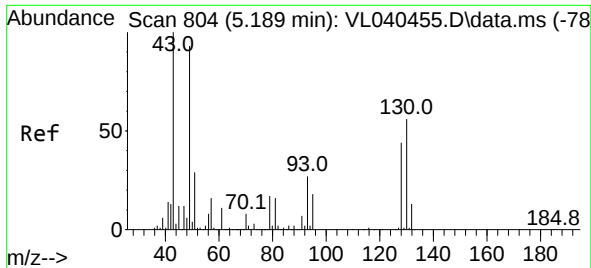
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023

Quant Time: Aug 01 01:40:27 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
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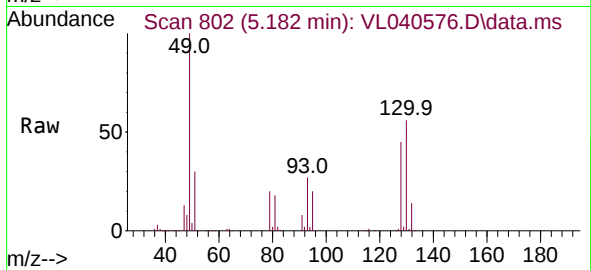
Reviewed By : Semsettin Yesilyurt 08/01/2023
Supervised By : Mahesh Dadoda 08/01/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 804
Delta R.T. -0.020 min
Lab File: VL040576.D
Acq: 31 Jul 2023 17:18

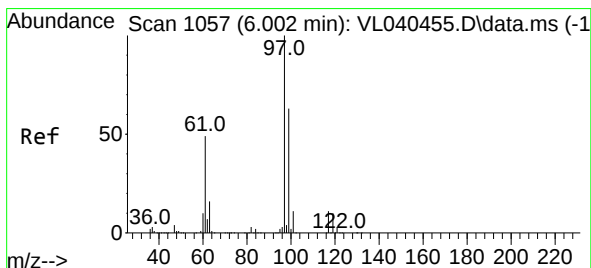
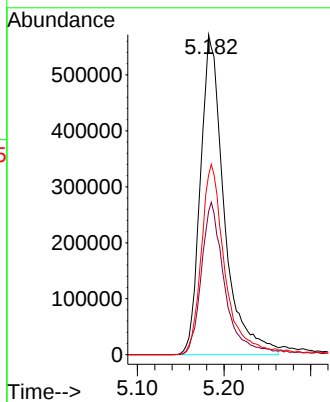
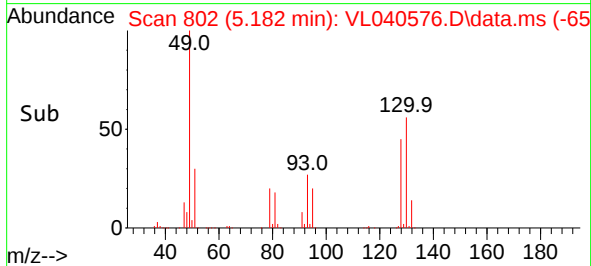
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion: 49 Resp: 108822
Ion Ratio Lower Upper
49 100
128 48.2 25.1 75.4
130 61.4 31.6 94.7

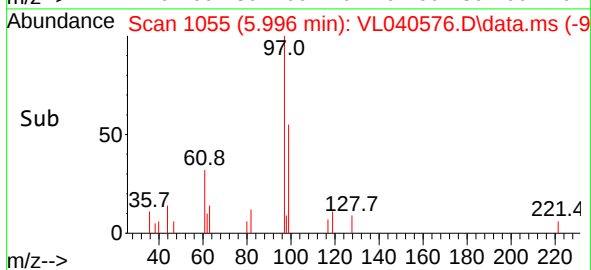
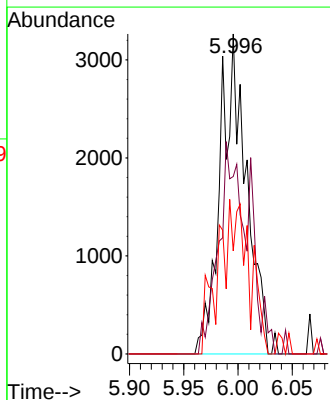
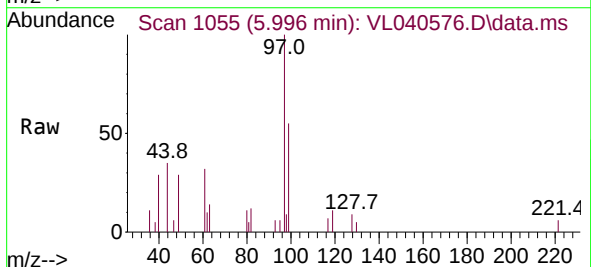
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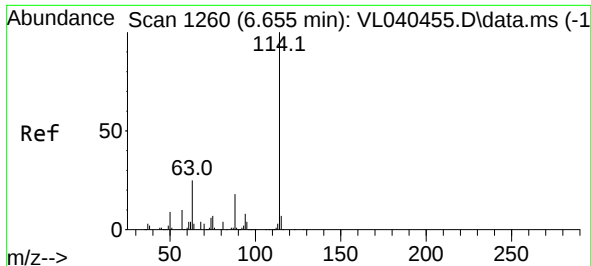
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#32
1,1,1-Trichloroethane
Concen: 0.030 ppbv m
RT: 5.996 min Scan# 1055
Delta R.T. -0.016 min
Lab File: VL040576.D
Acq: 31 Jul 2023 17:18

Tgt Ion: 97 Resp: 5446
Ion Ratio Lower Upper
97 100
99 77.2 52.0 78.0
61 59.5 38.9 58.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 11

Delta R.T. -0.019 min

Lab File: VL040576.D

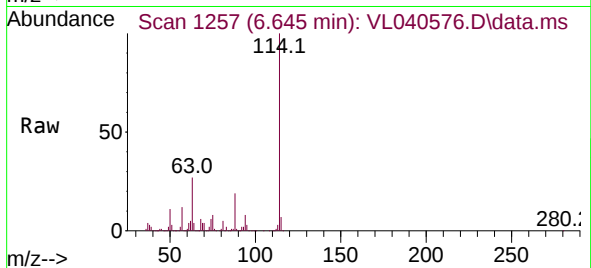
Acq: 31 Jul 2023 17:18

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2023



Tgt Ion:114 Resp: 2676129

Ion Ratio Lower Upper

114 100

63 27.3 19.6 29.4

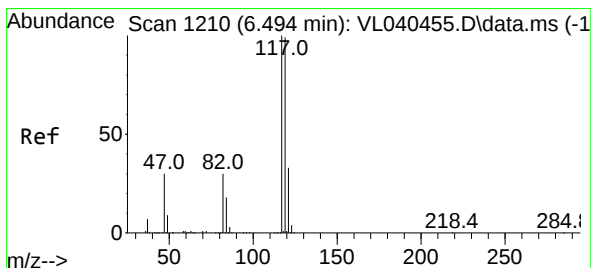
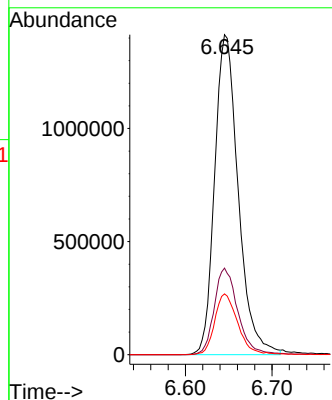
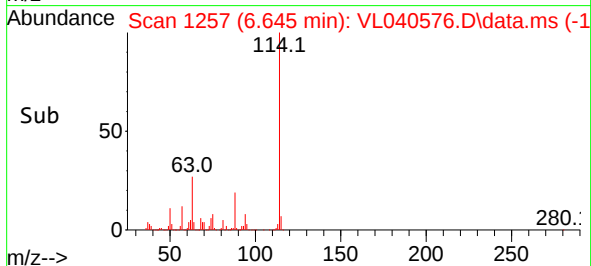
88 18.7 14.2 21.2

Manual Integrations

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#35

Carbon Tetrachloride

Concen: 0.036 ppbv m

RT: 6.491 min Scan# 1209

Delta R.T. -0.013 min

Lab File: VL040576.D

Acq: 31 Jul 2023 17:18

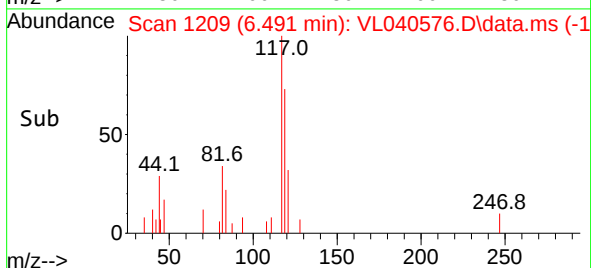
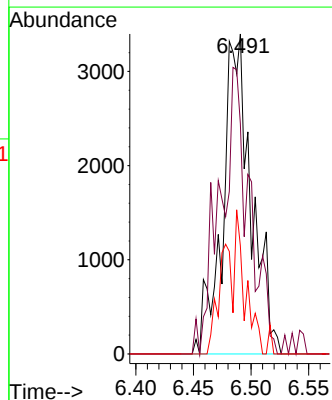
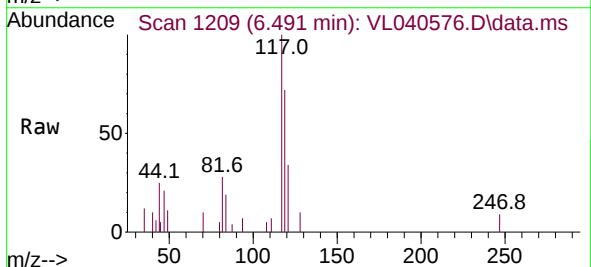
Tgt Ion:117 Resp: 5871

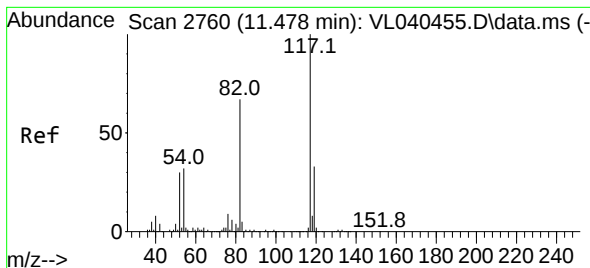
Ion Ratio Lower Upper

117 100

119 72.0 77.8 116.6#

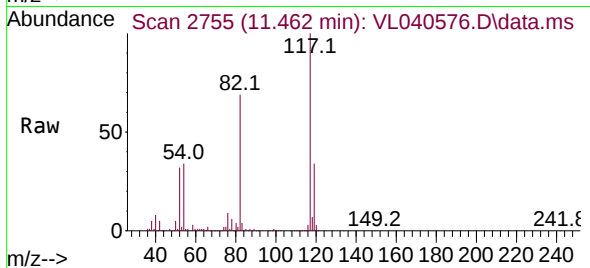
121 33.8 24.8 37.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. -0.016 min
Lab File: VL040576.D
Acq: 31 Jul 2023 17:18

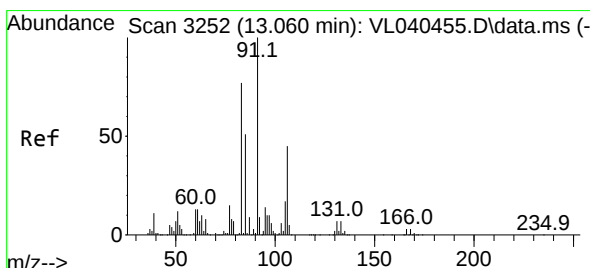
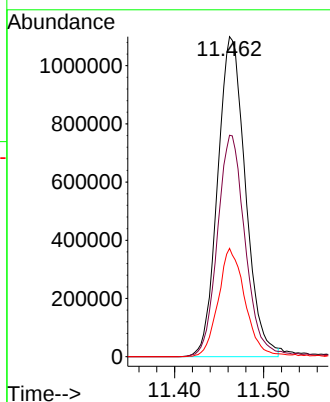
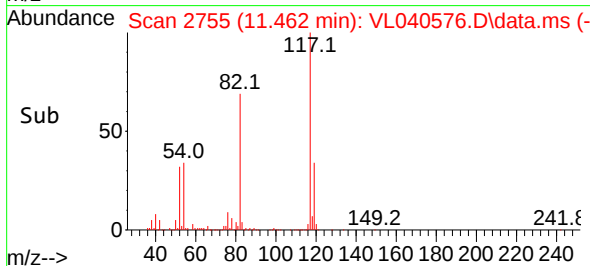
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2023



Tgt Ion:117 Resp: 238199
Ion Ratio Lower Upper
117 100
82 70.1 50.2 75.4
119 33.3 26.9 40.3

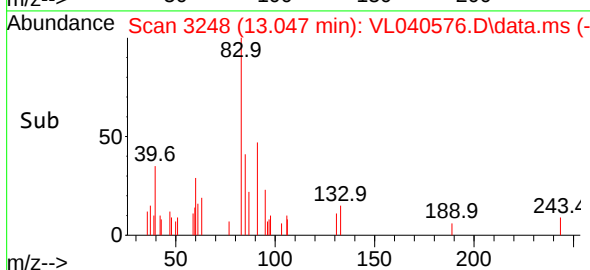
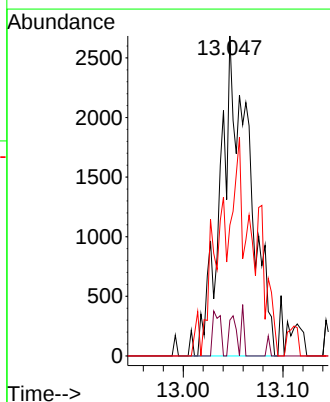
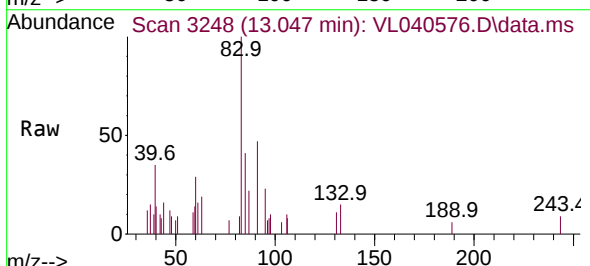
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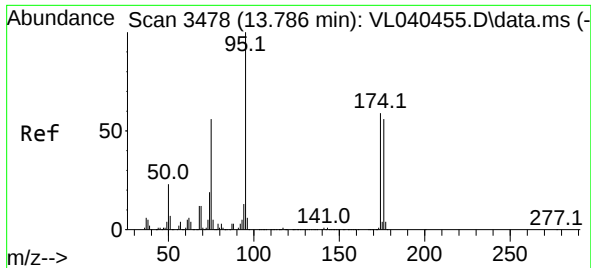
Reviewed By :Semsettin Yesilyurt 08/01/2023
Supervised By :Mahesh Dadoda 08/01/2023



#63
1,1,2,2-Tetrachloroethane
Concen: 0.031 ppbv m
RT: 13.047 min Scan# 3248
Delta R.T. -0.013 min
Lab File: VL040576.D
Acq: 31 Jul 2023 17:18

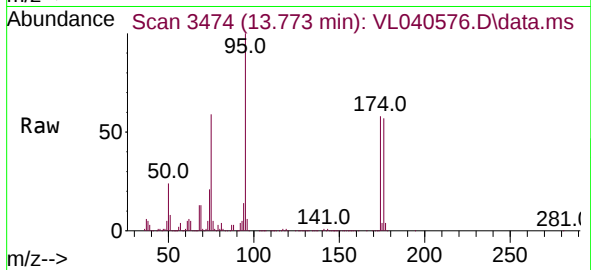
Tgt Ion: 83 Resp: 5500
Ion Ratio Lower Upper
83 100
131 0.0 4.6 13.8#
85 0.0 32.8 98.3#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.465 ppbv
 RT: 13.773 min Scan# 3478
 Delta R.T. -0.010 min
 Lab File: VL040576.D
 Acq: 31 Jul 2023 17:18

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2023



Tgt Ion: 95 Resp: 1972900
 Ion Ratio Lower Upper
 95 100
 174 61.2 50.6 75.8
 175 4.3 3.7 5.5

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