

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040788.D
 Acq On : 23 Oct 2023 21:11
 Operator : SY/MD
 Sample : 04699-15 0.03 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 10/25/2023
 Supervised By :Semsettin Yesilyurt 10/25/2023

Quant Time: Oct 24 16:12:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 25 2023
 QLast Update : Tue Oct 24 16:11:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	850597	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.639	114	2363667	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.446	117	2173270	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1653689	10.341	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%
Target Compounds						
					Qvalue	
32) 1,1,1-Trichloroethane	5.989	97	5881m	0.043	ppbv	
35) Carbon Tetrachloride	6.488	117	5434m	0.041	ppbv	
38) Trichloroethene	7.279	130	3423m	0.043	ppbv	
52) Tetrachloroethene	10.584	164	3492m	0.047	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.034	83	6797m	0.042	ppbv	

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

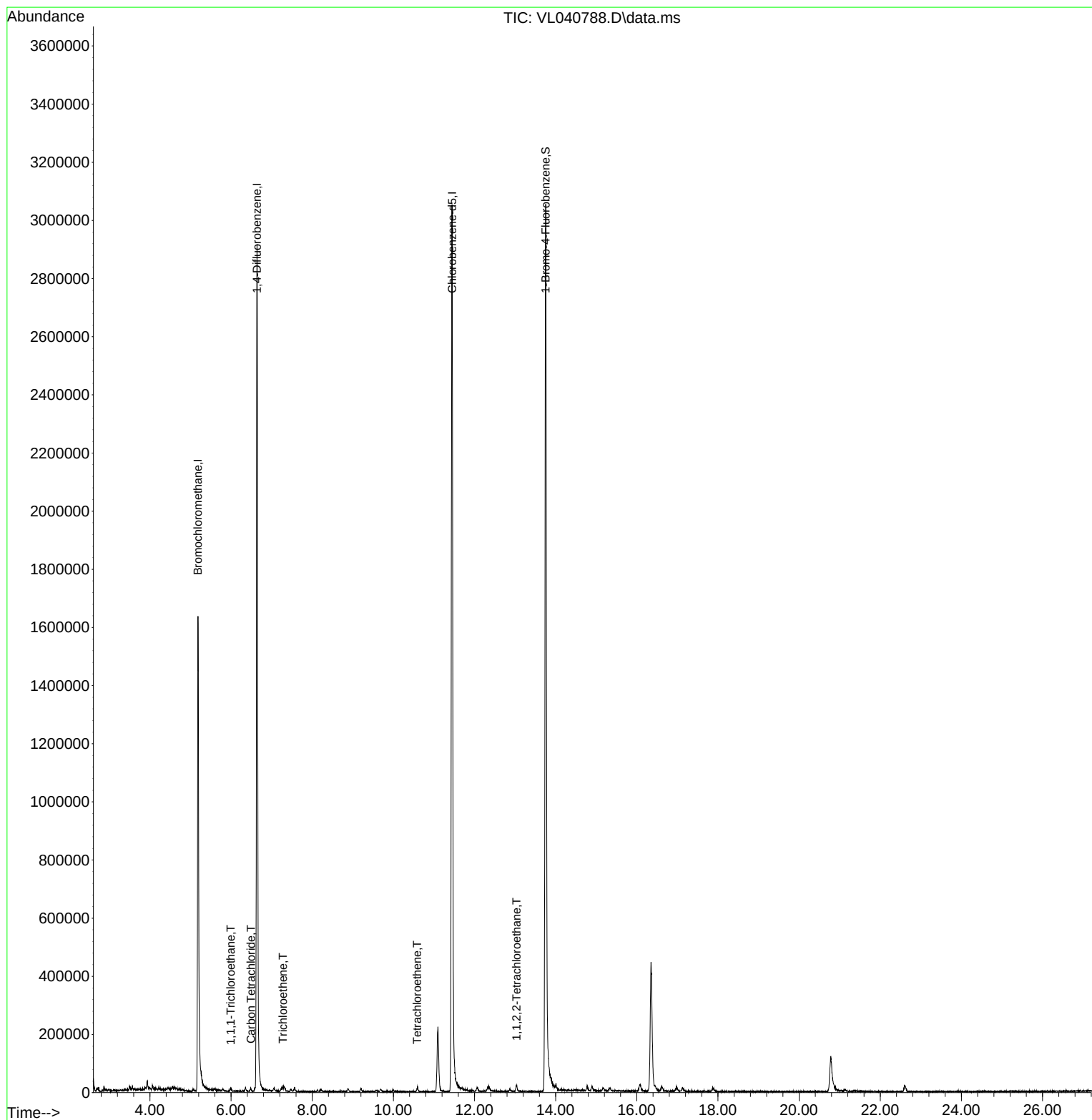
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
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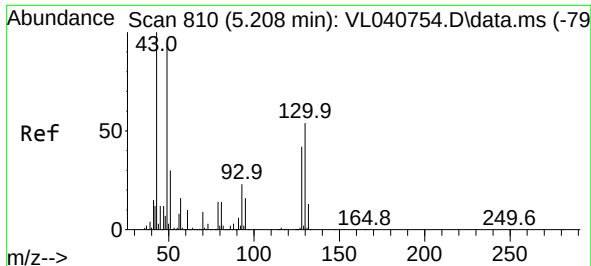
Instrument :
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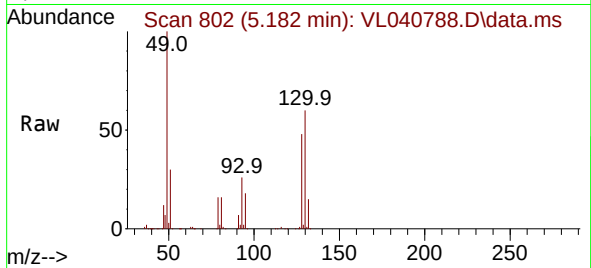
Reviewed By :Mahesh Dadoda 10/25/2023
Supervised By :Semsettin Yesilyurt 10/25/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.026 min
Lab File: VL040788.D
Acq: 23 Oct 2023 21:11

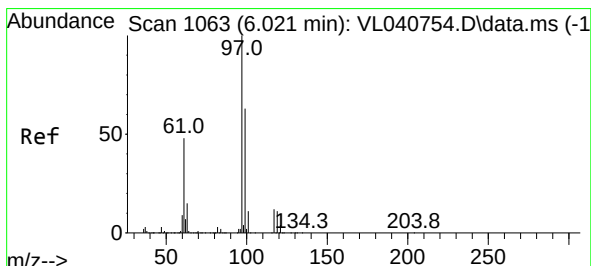
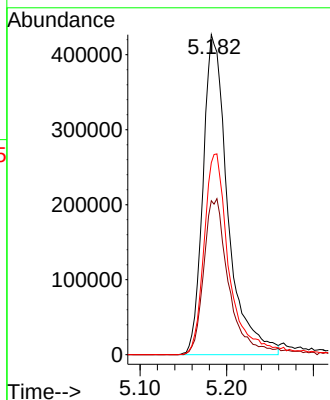
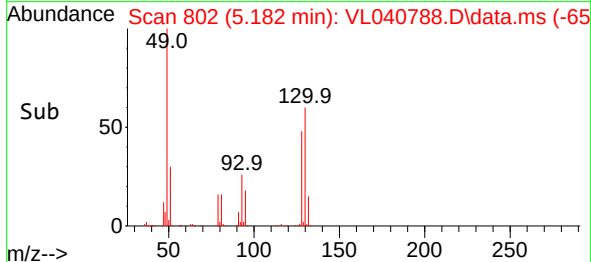
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 49 Resp: 85059
Ion Ratio Lower Upper
49 100
128 50.9 23.9 71.7
130 65.5 30.7 92.1

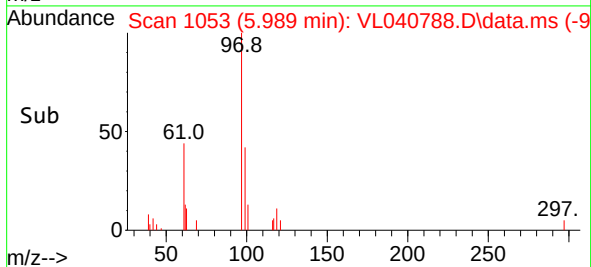
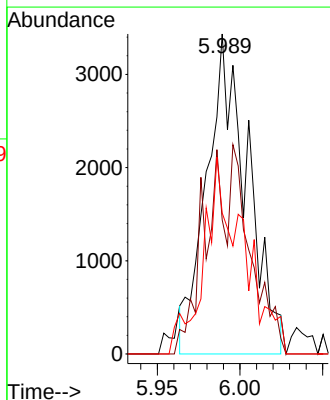
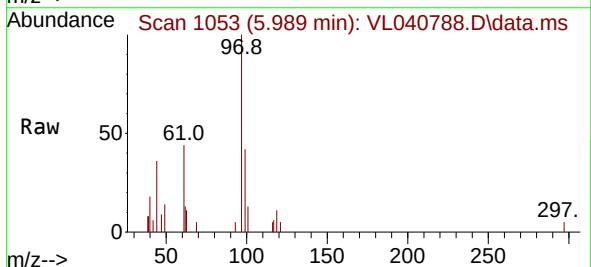
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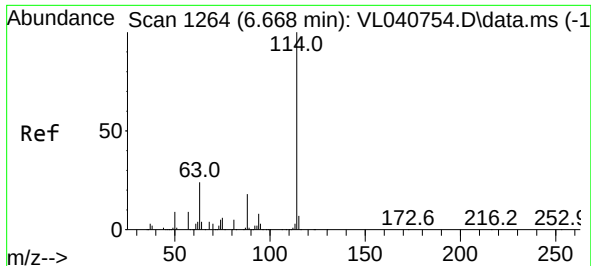
Reviewed By :Mahesh Dadoda 10/25/2023
Supervised By :Semsettin Yesilyurt 10/25/2023



#32
1,1,1-Trichloroethane
Concen: 0.043 ppbv m
RT: 5.989 min Scan# 1053
Delta R.T. -0.032 min
Lab File: VL040788.D
Acq: 23 Oct 2023 21:11

Tgt Ion: 97 Resp: 5881
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6#
61 59.9 38.6 58.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 11

Delta R.T. -0.029 min

Lab File: VL040788.D

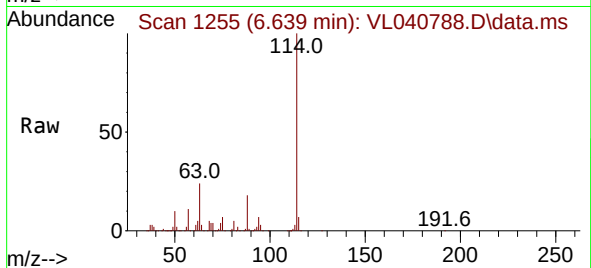
Acq: 23 Oct 2023 21:11

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2023DL



Tgt Ion:114 Resp: 236366

Ion Ratio Lower Upper

114 100

63 24.1 19.8 29.6

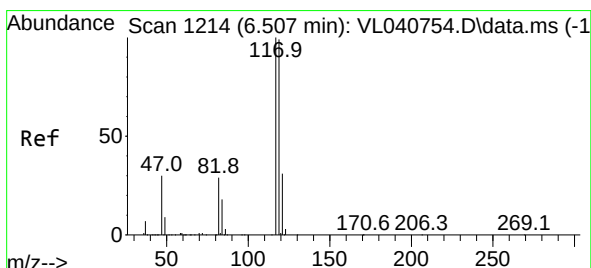
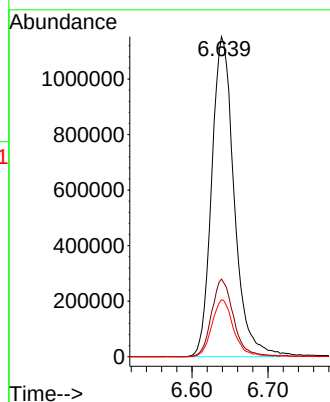
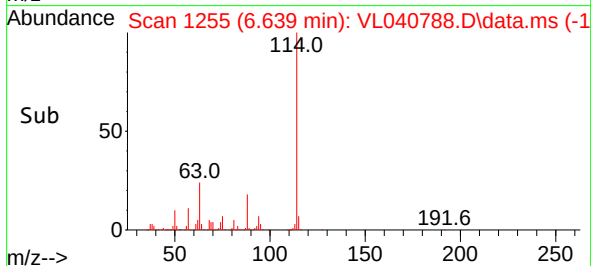
88 17.5 14.2 21.2

Manual Integrations

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#35

Carbon Tetrachloride

Concen: 0.041 ppbv m

RT: 6.488 min Scan# 1208

Delta R.T. -0.019 min

Lab File: VL040788.D

Acq: 23 Oct 2023 21:11

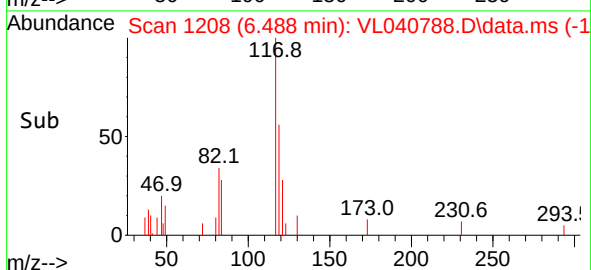
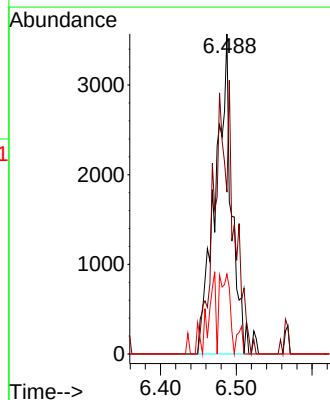
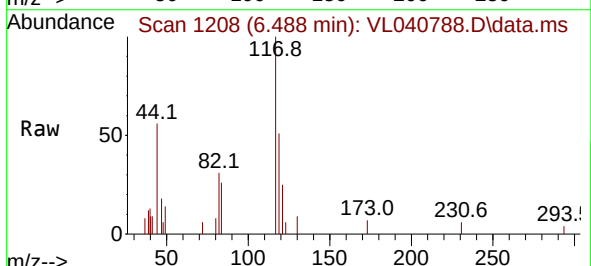
Tgt Ion:117 Resp: 5434

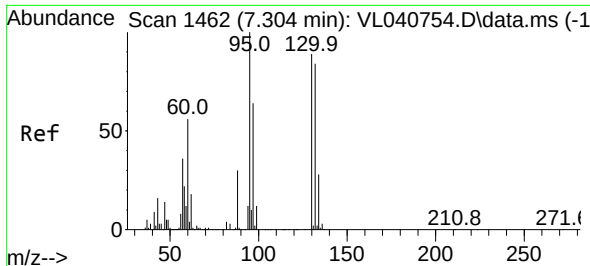
Ion Ratio Lower Upper

117 100

119 50.6 79.4 119.0#

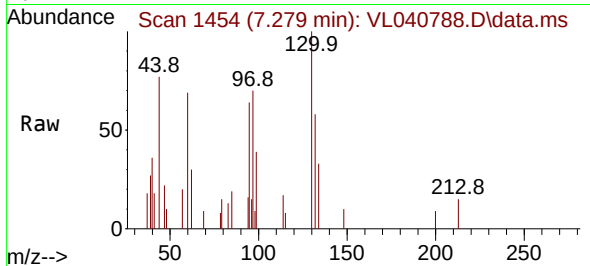
121 25.0 25.0 37.4#





#38
Trichloroethene
Concen: 0.043 ppbv m
RT: 7.279 min Scan# 1462
Delta R.T. -0.026 min
Lab File: VL040788.D
Acq: 23 Oct 2023 21:11

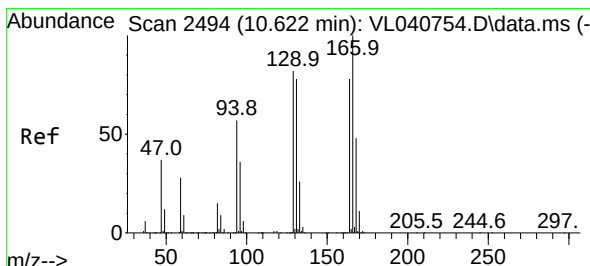
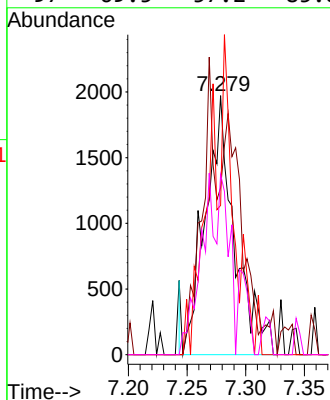
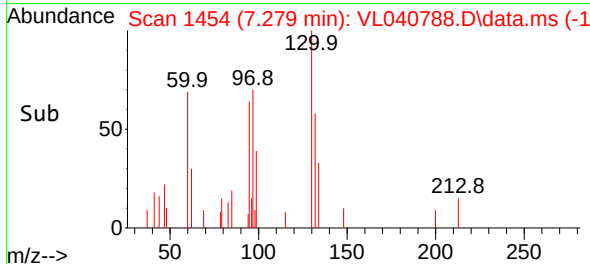
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



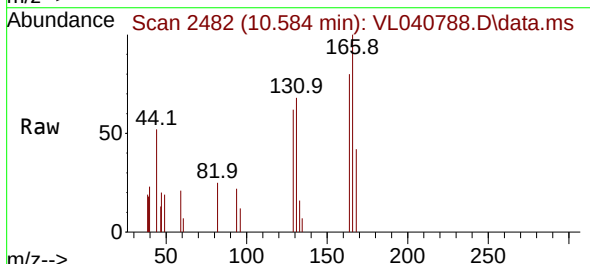
Tgt Ion:130 Resp: 342
Ion Ratio Lower Upper
130 100
95 64.4 89.4 134.2
132 57.6 74.8 112.2
97 69.5 57.2 85.8

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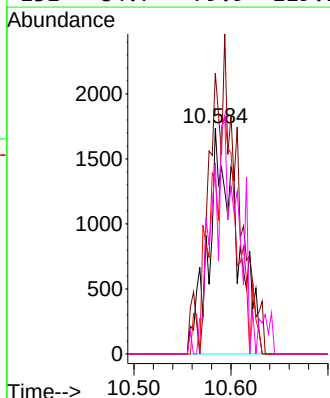
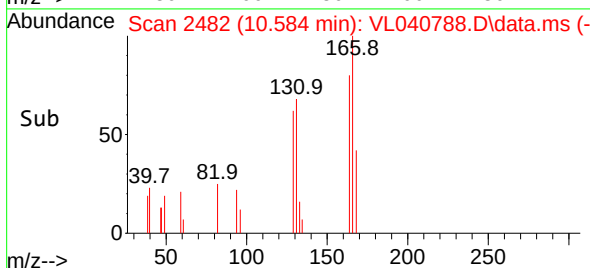
Reviewed By :Mahesh Dadoda 10/25/2023
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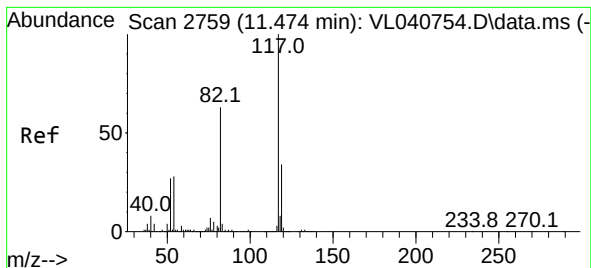


#52
Tetrachloroethene
Concen: 0.047 ppbv m
RT: 10.584 min Scan# 2482
Delta R.T. -0.038 min
Lab File: VL040788.D
Acq: 23 Oct 2023 21:11



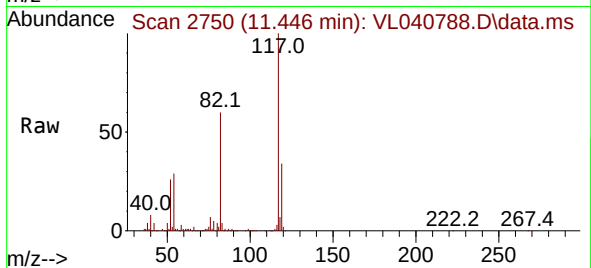
Tgt Ion:164 Resp: 3492
Ion Ratio Lower Upper
164 100
166 124.6 102.4 153.6
129 77.6 84.2 126.4#
131 84.7 79.9 119.9





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 21
Delta R.T. -0.029 min
Lab File: VL040788.D
Acq: 23 Oct 2023 21:11

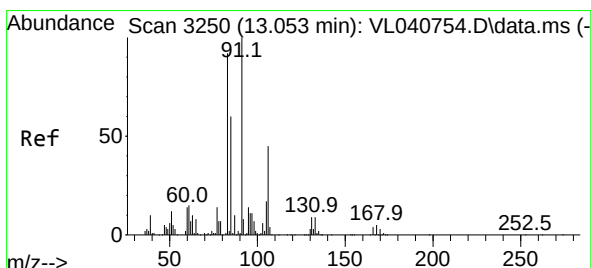
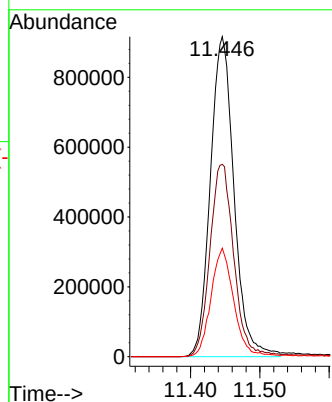
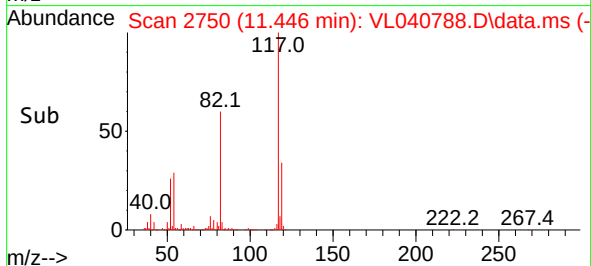
Instrument :
MSVOA_L
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MDL-AIR-03-QT4-2023DL



Tgt Ion: 117 Resp: 2173270
Ion Ratio Lower Upper
117 100
82 62.0 46.6 70.0
119 32.9 26.0 39.0

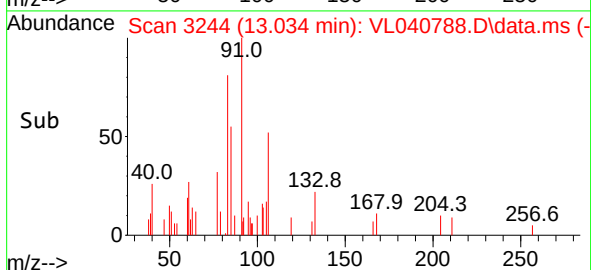
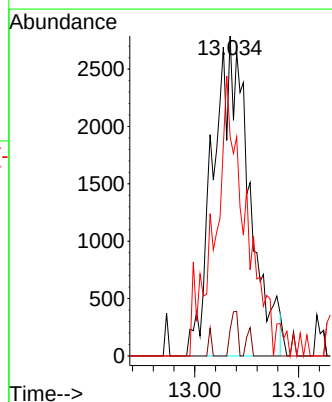
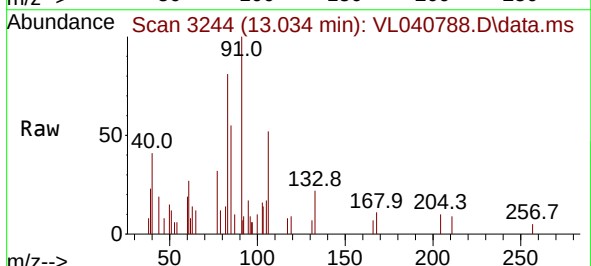
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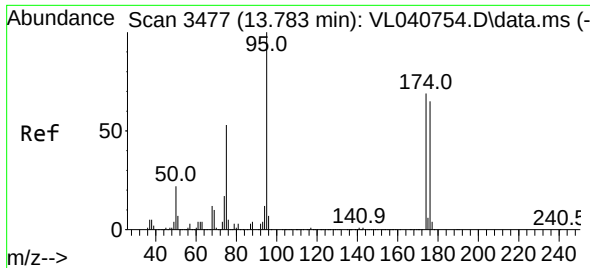
Reviewed By :Mahesh Dadoda 10/25/2023
Supervised By :Semsettin Yesilyurt 10/25/2023



#63
1,1,2,2-Tetrachloroethane
Concen: 0.042 ppbv m
RT: 13.034 min Scan# 3244
Delta R.T. -0.019 min
Lab File: VL040788.D
Acq: 23 Oct 2023 21:11

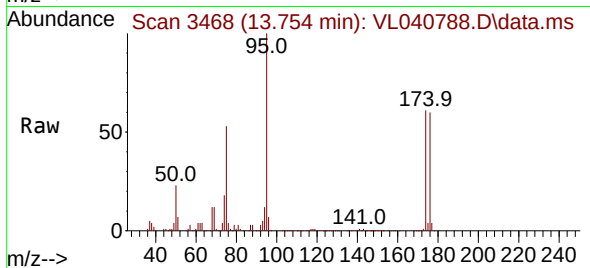
Tgt Ion: 83 Resp: 6797
Ion Ratio Lower Upper
83 100
131 0.7 4.9 14.6#
85 0.0 32.9 98.7#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.341 ppbv
 RT: 13.754 min Scan# 3468
 Delta R.T. -0.029 min
 Lab File: VL040788.D
 Acq: 23 Oct 2023 21:11

Instrument : MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2023DL



Tgt Ion: 95 Resp: 1653689
 Ion Ratio Lower Upper
 95 100
 174 65.4 54.7 82.1
 175 4.9 4.2 6.4

Manual Integrations
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