

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039598.D
 Acq On : 26 Aug 2022 11:00
 Operator : SY/AP
 Sample : N3980-15 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022

Quant Time: Aug 27 00:03:54 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	926207	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2554926	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2219267	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1639818	9.794	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.900%
Target Compounds						
						Qvalue
5) Vinyl Chloride	2.947	62	1876m	0.035	ppbv	
52) Tetrachloroethene	10.635	164	2355m	0.032	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.060	83	3580m	0.034	ppbv	

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

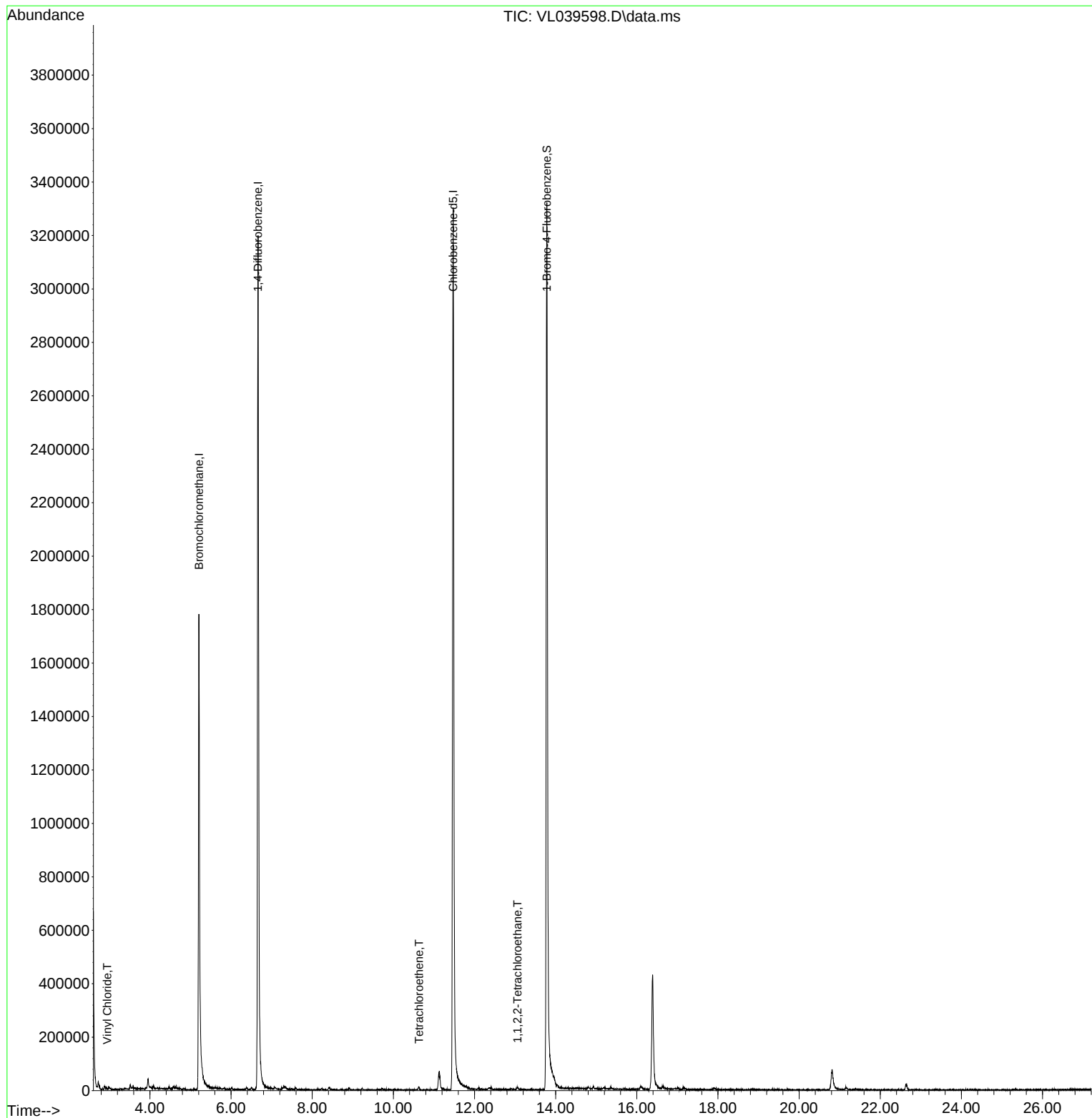
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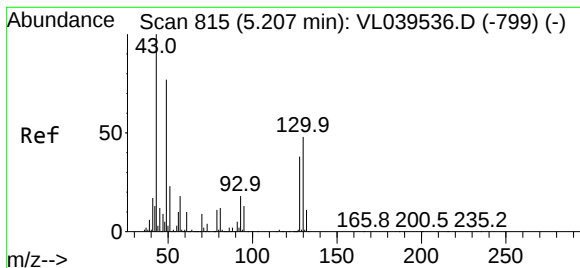
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ClientSampleId :
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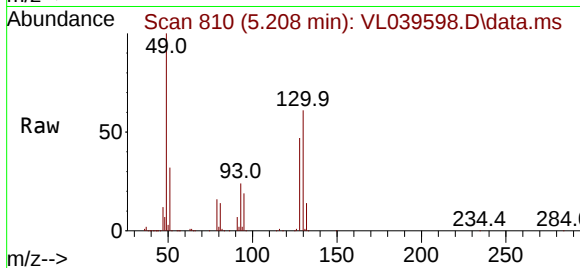
Reviewed By : Mahesh Dadoda 08/29/2022
Supervised By : Semsettin Yesilyurt 08/29/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 815
Delta R.T. 0.001 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

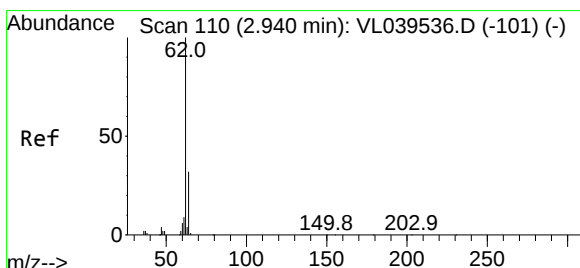
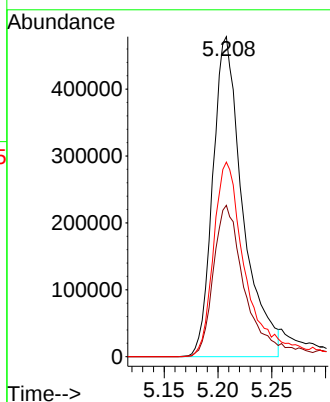
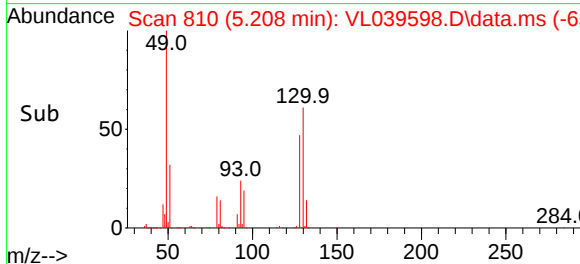
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 49 Resp: 92620
Ion Ratio Lower Upper
49 100
128 52.0 26.7 80.0
130 68.7 34.3 102.8

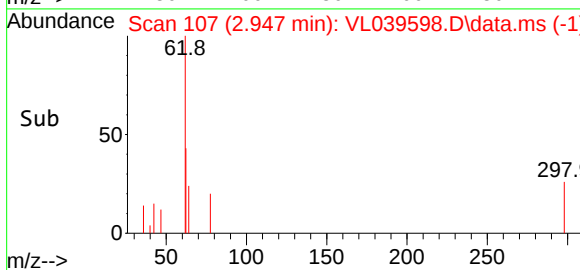
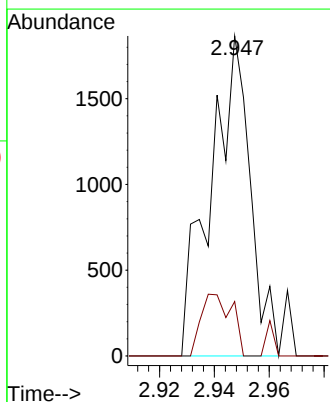
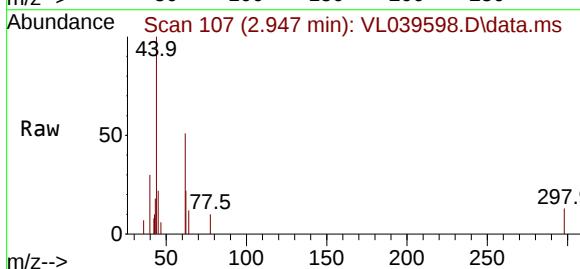
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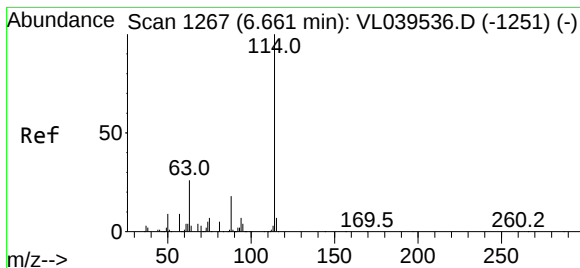
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#5
Vinyl Chloride
Concen: 0.035 ppbv m
RT: 2.947 min Scan# 107
Delta R.T. 0.007 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

Tgt Ion: 62 Resp: 1876
Ion Ratio Lower Upper
62 100
64 24.2 24.6 36.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 1267

Delta R.T. 0.004 min

Lab File: VL039598.D

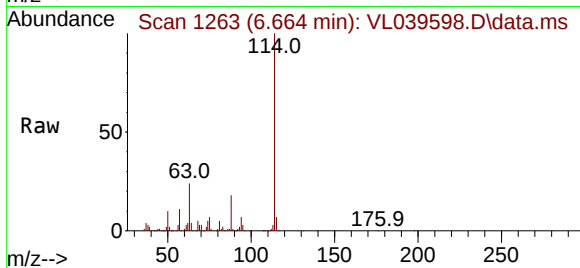
Acq: 26 Aug 2022 11:00

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT3-2022



Tgt Ion:114 Resp: 255492

Ion Ratio Lower Upper

114 100

63 24.9 20.2 30.4

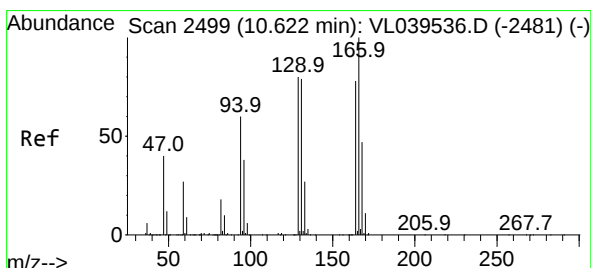
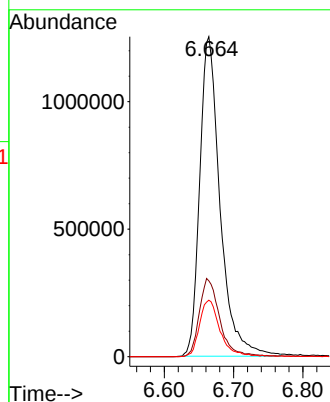
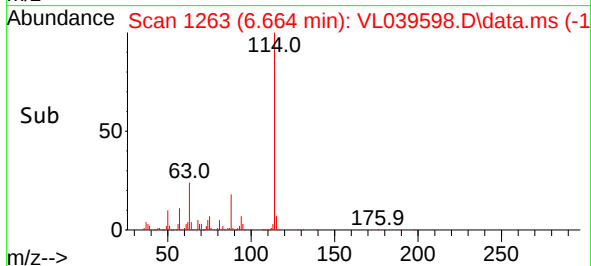
88 18.2 14.5 21.7

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#52

Tetrachloroethene

Concen: 0.032 ppbv m

RT: 10.635 min Scan# 2498

Delta R.T. 0.013 min

Lab File: VL039598.D

Acq: 26 Aug 2022 11:00

Tgt Ion:164 Resp: 2355

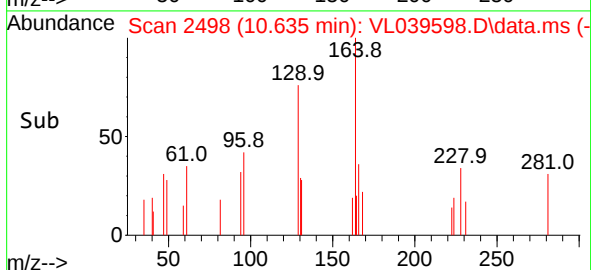
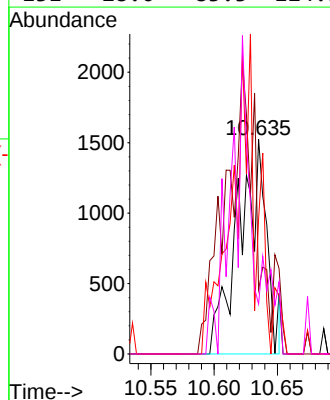
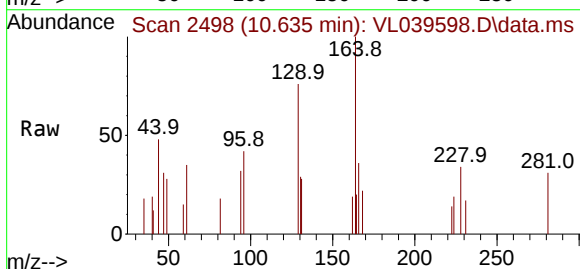
Ion Ratio Lower Upper

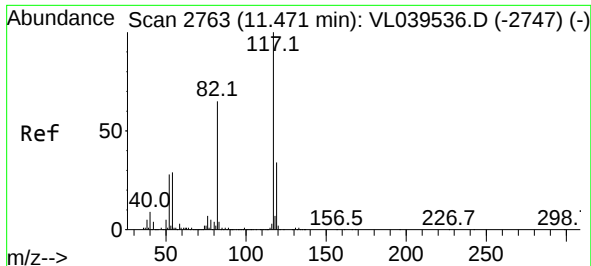
164 100

166 36.1 102.2 153.2#

129 75.8 85.8 128.8#

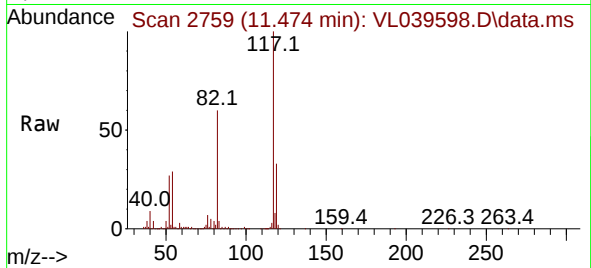
131 28.0 83.3 124.9#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 21
Delta R.T. 0.004 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

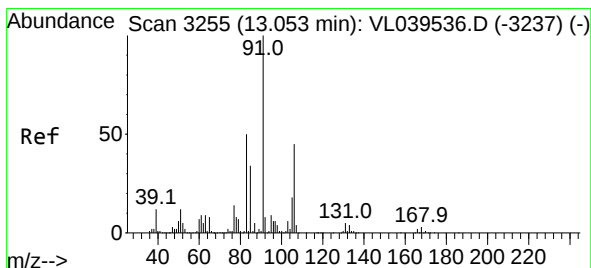
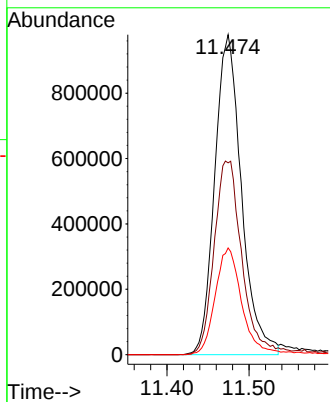
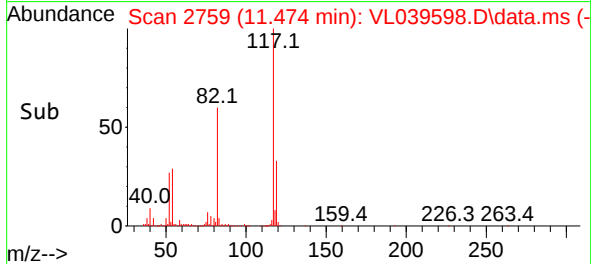
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT3-2022



Tgt Ion: 117 Resp: 221926
Ion Ratio Lower Upper
117 100
82 65.6 50.8 76.2
119 34.3 24.1 36.1

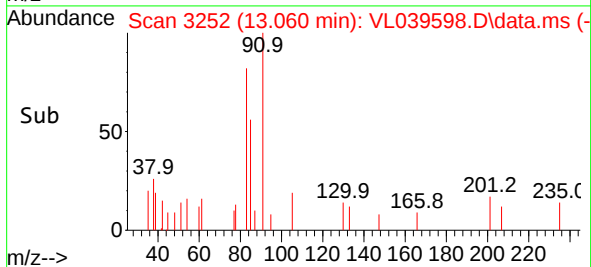
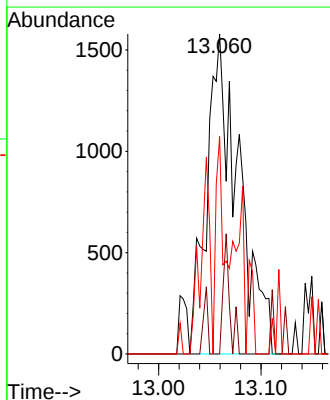
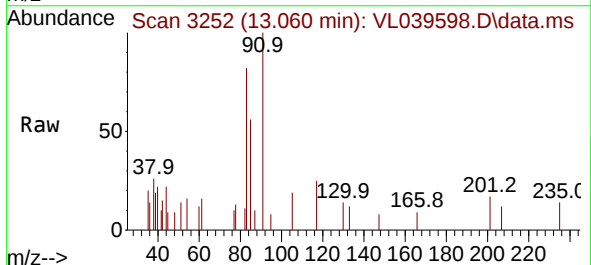
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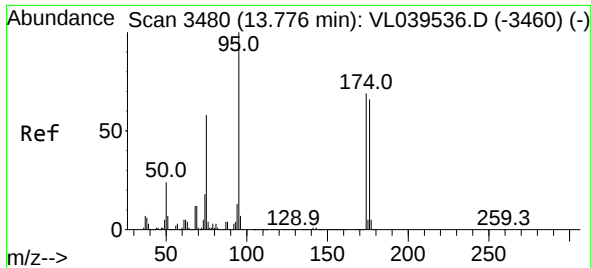
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#63
1,1,2,2-Tetrachloroethane
Concen: 0.034 ppbv m
RT: 13.060 min Scan# 3252
Delta R.T. 0.007 min
Lab File: VL039598.D
Acq: 26 Aug 2022 11:00

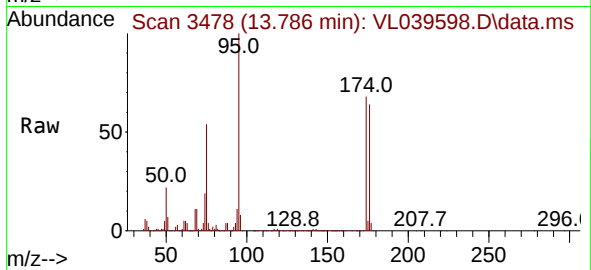
Tgt Ion: 83 Resp: 3580
Ion Ratio Lower Upper
83 100
131 0.0 5.3 15.8#
85 53.1 33.1 99.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.794 ppbv
 RT: 13.786 min Scan# 34
 Delta R.T. 0.010 min
 Lab File: VL039598.D
 Acq: 26 Aug 2022 11:00

Instrument : MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT3-2022



Tgt Ion: 95 Resp: 1639818

Ion	Ratio	Lower	Upper
95	100		
174	73.8	55.9	83.9
175	5.5	4.2	6.4

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