

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072623\
 Data File : VL040561.D
 Acq On : 27 Jul 2023 4:49
 Operator : SY/MD
 Sample : 03572-13 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2023

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023
 Supervised By :Mahesh Dadoda 07/27/2023

Quant Time: Jul 27 05:56:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Jul 27 04:45:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	912397	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.642	114	2282218	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.458	117	2008066	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1608348	10.120	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.902	62	2300m	0.038	ppbv	
32) 1,1,1-Trichloroethane	5.989	97	5620m	0.037	ppbv	
35) Carbon Tetrachloride	6.484	117	5490m	0.040	ppbv	
38) Trichloroethene	7.282	130	2748m	0.040	ppbv	
52) Tetrachloroethene	10.597	164	2013m	0.034	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.053	83	5543m	0.037	ppbv	

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

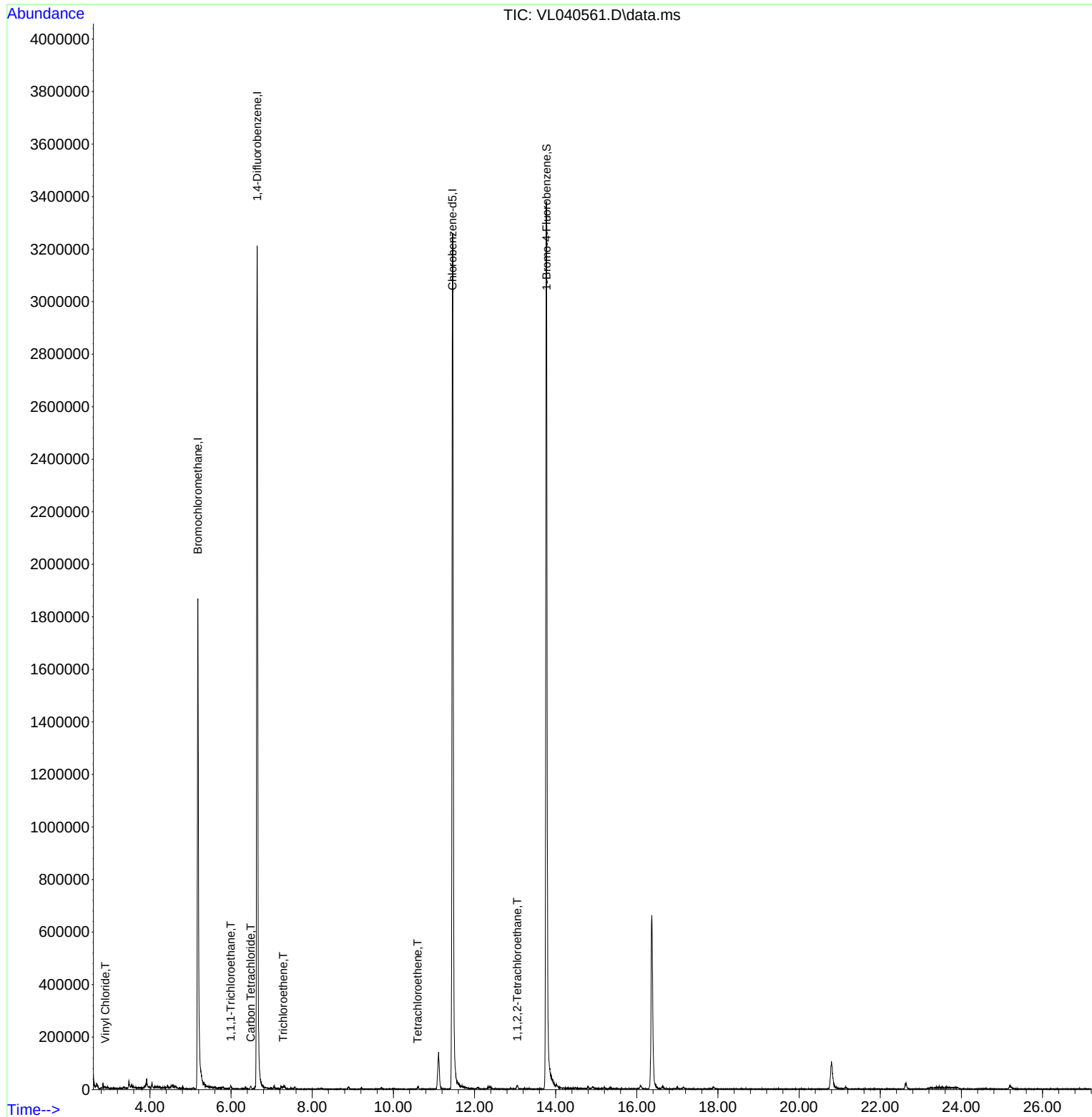
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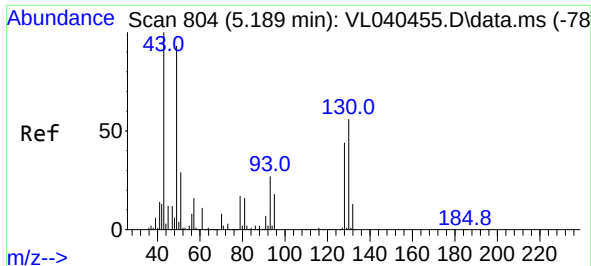
Instrument :
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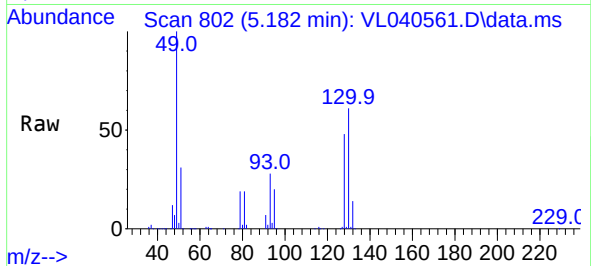
Reviewed By : Semsettin Yesilyurt 07/27/2023
Supervised By : Mahesh Dadoda 07/27/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.020 min
Lab File: VL040561.D
Acq: 27 Jul 2023 4:49

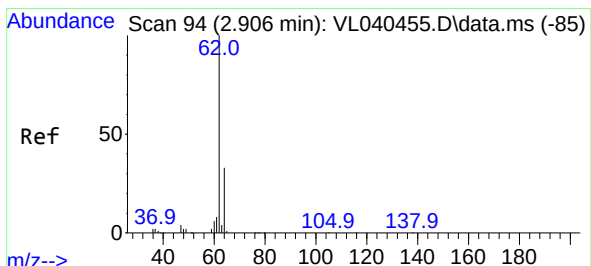
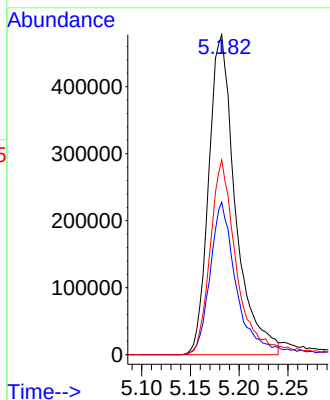
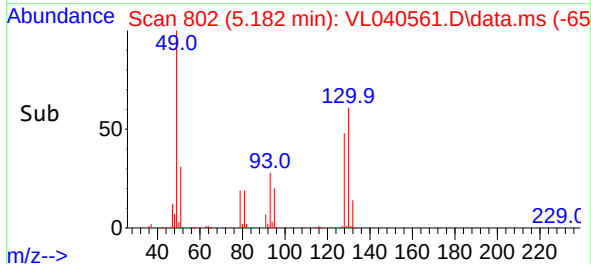
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2023



Tgt Ion: 49 Resp: 91239
Ion Ratio Lower Upper
49 100
128 48.3 25.1 75.4
130 63.1 31.6 94.7

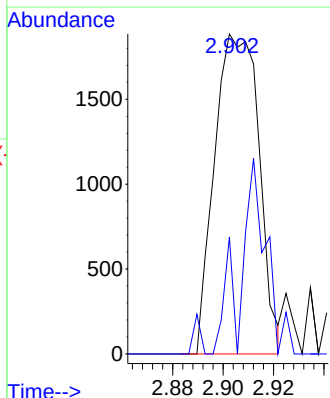
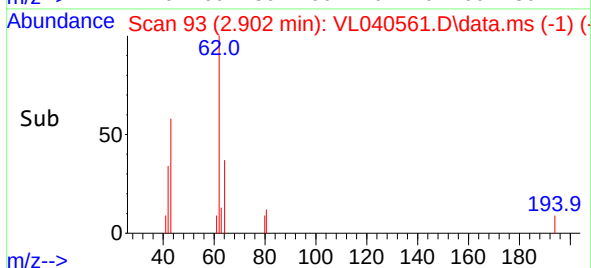
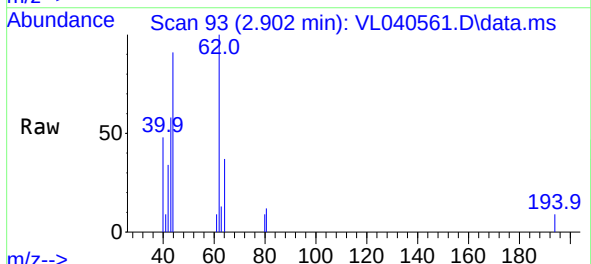
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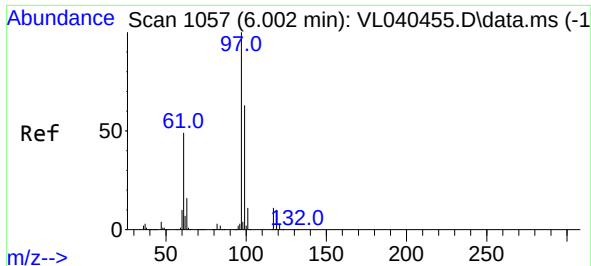
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#5
Vinyl Chloride
Concen: 0.038 ppbv m
RT: 2.902 min Scan# 93
Delta R.T. -0.026 min
Lab File: VL040561.D
Acq: 27 Jul 2023 4:49

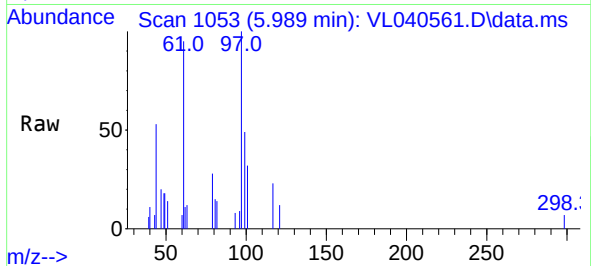
Tgt Ion: 62 Resp: 2300
Ion Ratio Lower Upper
62 100
64 36.6 26.4 39.6





#32
1,1,1-Trichloroethane
Concen: 0.037 ppbv m
RT: 5.989 min Scan# 1053
Delta R.T. -0.023 min
Lab File: VL040561.D
Acq: 27 Jul 2023 4:49

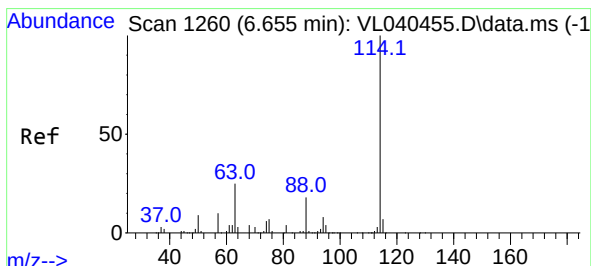
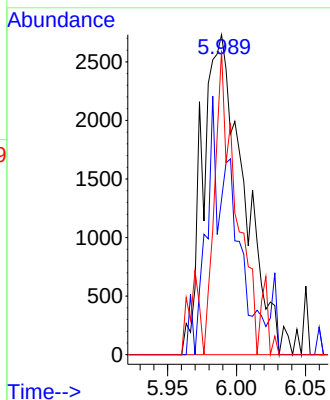
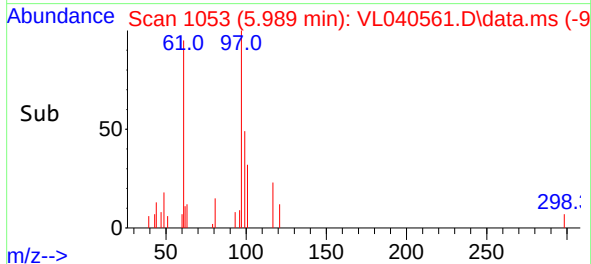
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2023



Tgt Ion: 97 Resp: 5620
Ion Ratio Lower Upper
97 100
99 56.2 52.0 78.0
61 60.7 38.9 58.3

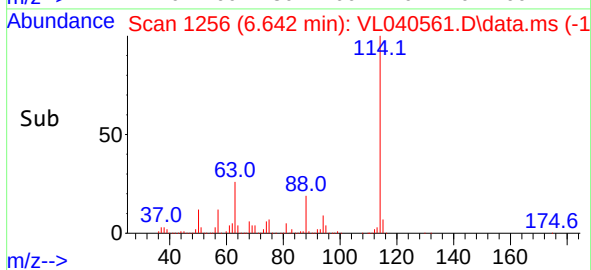
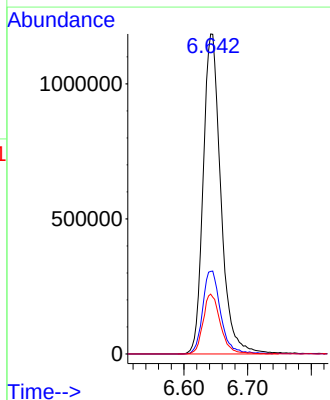
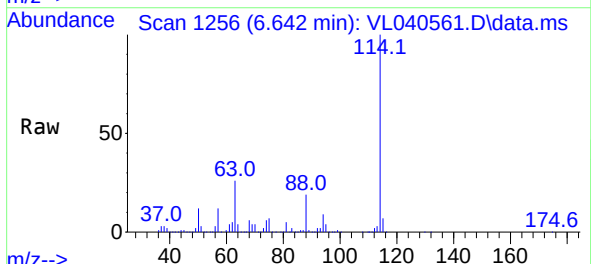
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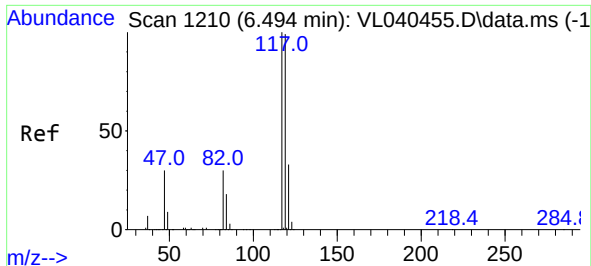
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.023 min
Lab File: VL040561.D
Acq: 27 Jul 2023 4:49

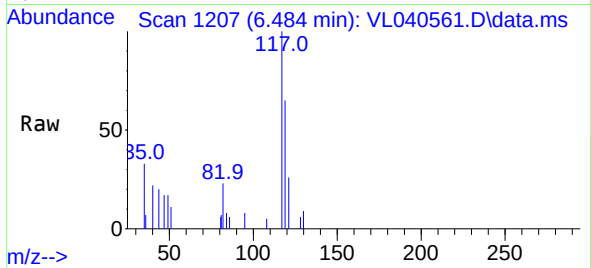
Tgt Ion:114 Resp: 2282218
Ion Ratio Lower Upper
114 100
63 26.7 19.6 29.4
88 18.5 14.2 21.2





#35
Carbon Tetrachloride
Concen: 0.040 ppbv m
RT: 6.484 min Scan# 117
Delta R.T. -0.019 min
Lab File: VL040561.D
Acq: 27 Jul 2023 4:49

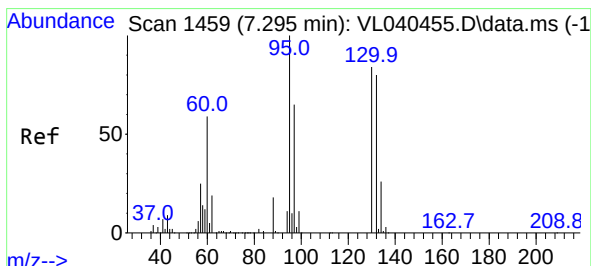
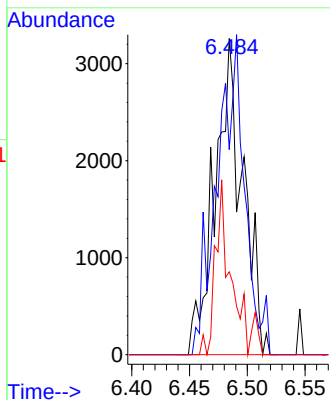
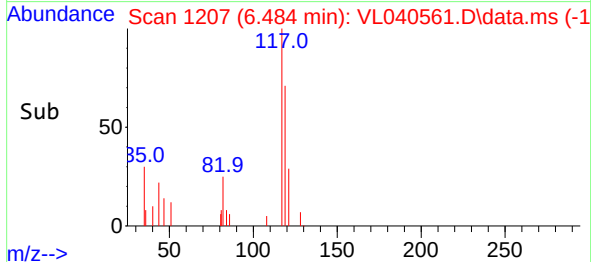
Instrument : MSVOA_L
ClientSampleId :
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Tgt Ion:117 Resp: 5490
Ion Ratio Lower Upper
117 100
119 64.9 77.8 116.6#
121 26.2 24.8 37.2

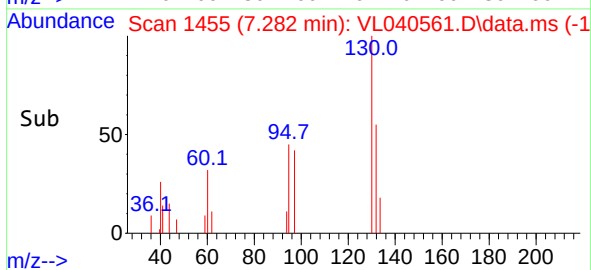
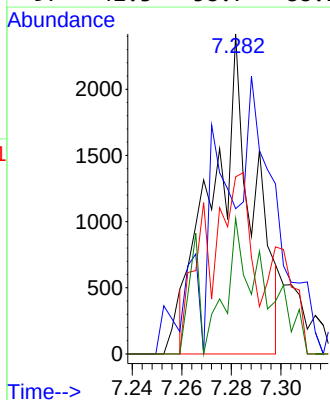
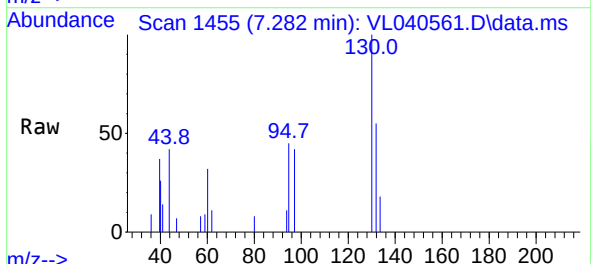
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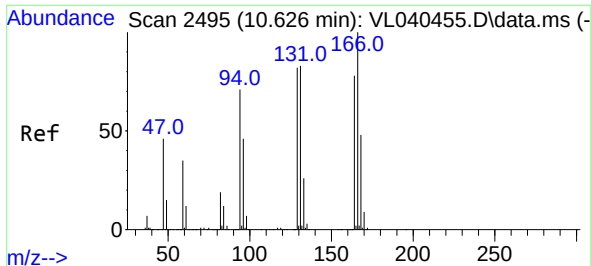
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#38
Trichloroethene
Concen: 0.040 ppbv m
RT: 7.282 min Scan# 1455
Delta R.T. -0.023 min
Lab File: VL040561.D
Acq: 27 Jul 2023 4:49

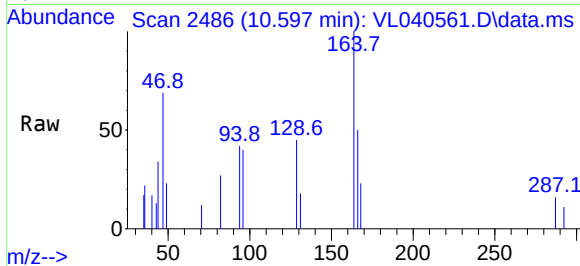
Tgt Ion:130 Resp: 2748
Ion Ratio Lower Upper
130 100
95 45.4 90.2 135.2#
132 55.3 76.3 114.5#
97 42.3 58.7 88.1#





#52
Tetrachloroethene
Concen: 0.034 ppbv m
RT: 10.597 min Scan# 2495
Delta R.T. -0.029 min
Lab File: VL040561.D
Acq: 27 Jul 2023 4:49

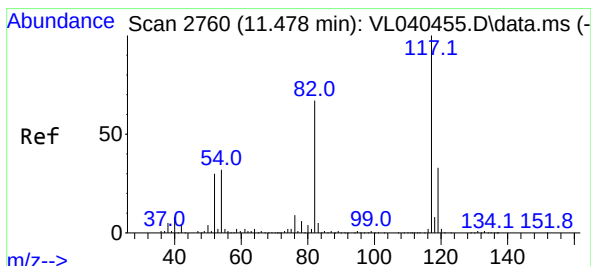
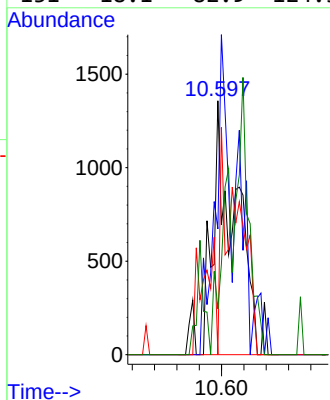
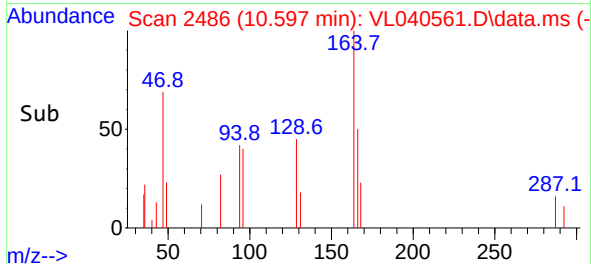
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2023



Tgt Ion:164 Resp: 2011
Ion Ratio Lower Upper
164 100
166 49.6 103.9 155.9
129 0.0 84.6 126.8
131 18.1 82.9 124.3

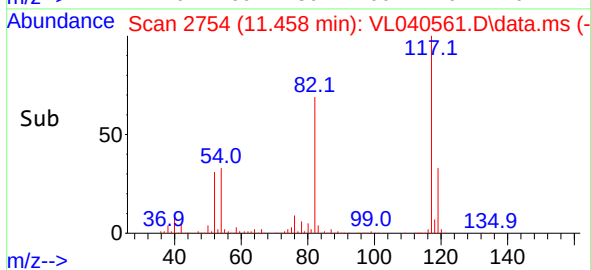
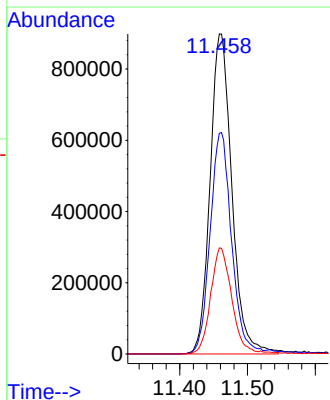
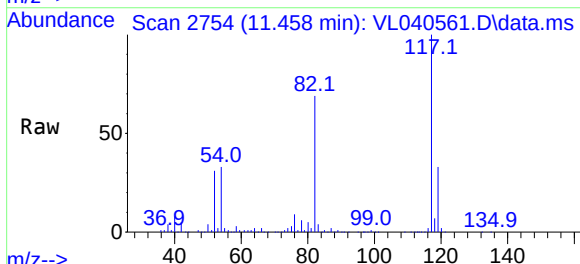
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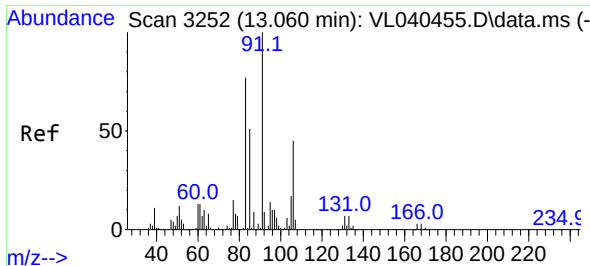
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.019 min
Lab File: VL040561.D
Acq: 27 Jul 2023 4:49

Tgt Ion:117 Resp: 2008066
Ion Ratio Lower Upper
117 100
82 69.4 50.2 75.4
119 32.8 26.9 40.3





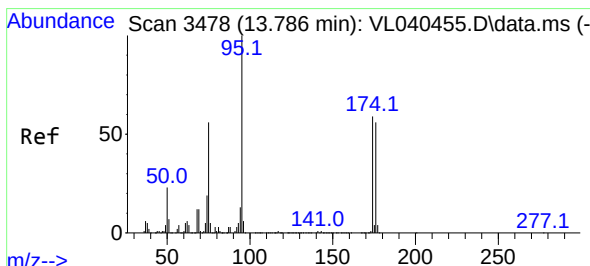
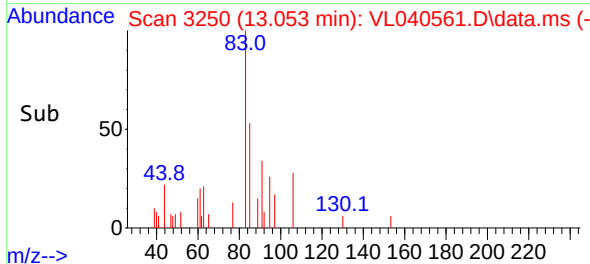
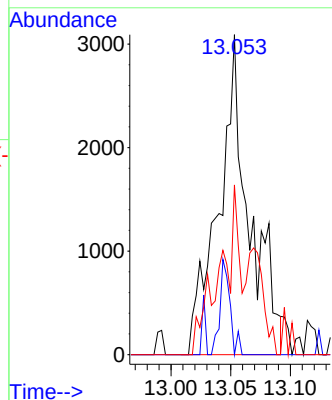
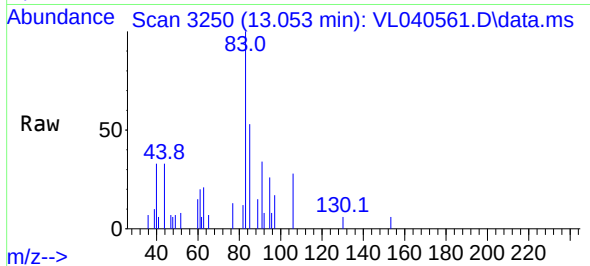
#63
1,1,2,2-Tetrachloroethane
Concen: 0.037 ppbv m
RT: 13.053 min Scan# 31
Delta R.T. -0.007 min
Lab File: VL040561.D
Acq: 27 Jul 2023 4:49

Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2023

Tgt Ion: 83 Resp: 554
Ion Ratio Lower Upper
83 100
131 11.8 4.6 13.8
85 21.5 32.8 98.3

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.120 ppbv
RT: 13.773 min Scan# 3474
Delta R.T. -0.010 min
Lab File: VL040561.D
Acq: 27 Jul 2023 4:49

Tgt Ion: 95 Resp: 1608348
Ion Ratio Lower Upper
95 100
174 60.9 50.6 75.8
175 4.3 3.7 5.5

