

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040772.D
 Acq On : 12 Oct 2023 1:48
 Operator : SY/MD
 Sample : 04699-13 LOD 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/13/2023
 Supervised By :Mahesh Dadoda 10/16/2023

Quant Time: Oct 13 01:22:14 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Thu Oct 12 00:21:08 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.214	49	950745	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2703454	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2452867	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1843732	10.215	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.200%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.954	62	2341m	0.041	ppbv	
32) 1,1,1-Trichloroethane	6.015	97	5379m	0.035	ppbv	
35) Carbon Tetrachloride	6.504	117	4752m	0.031	ppbv	
38) Trichloroethene	7.311	130	3578m	0.039	ppbv	
52) Tetrachloroethene	10.626	164	3755m	0.044	ppbv	

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

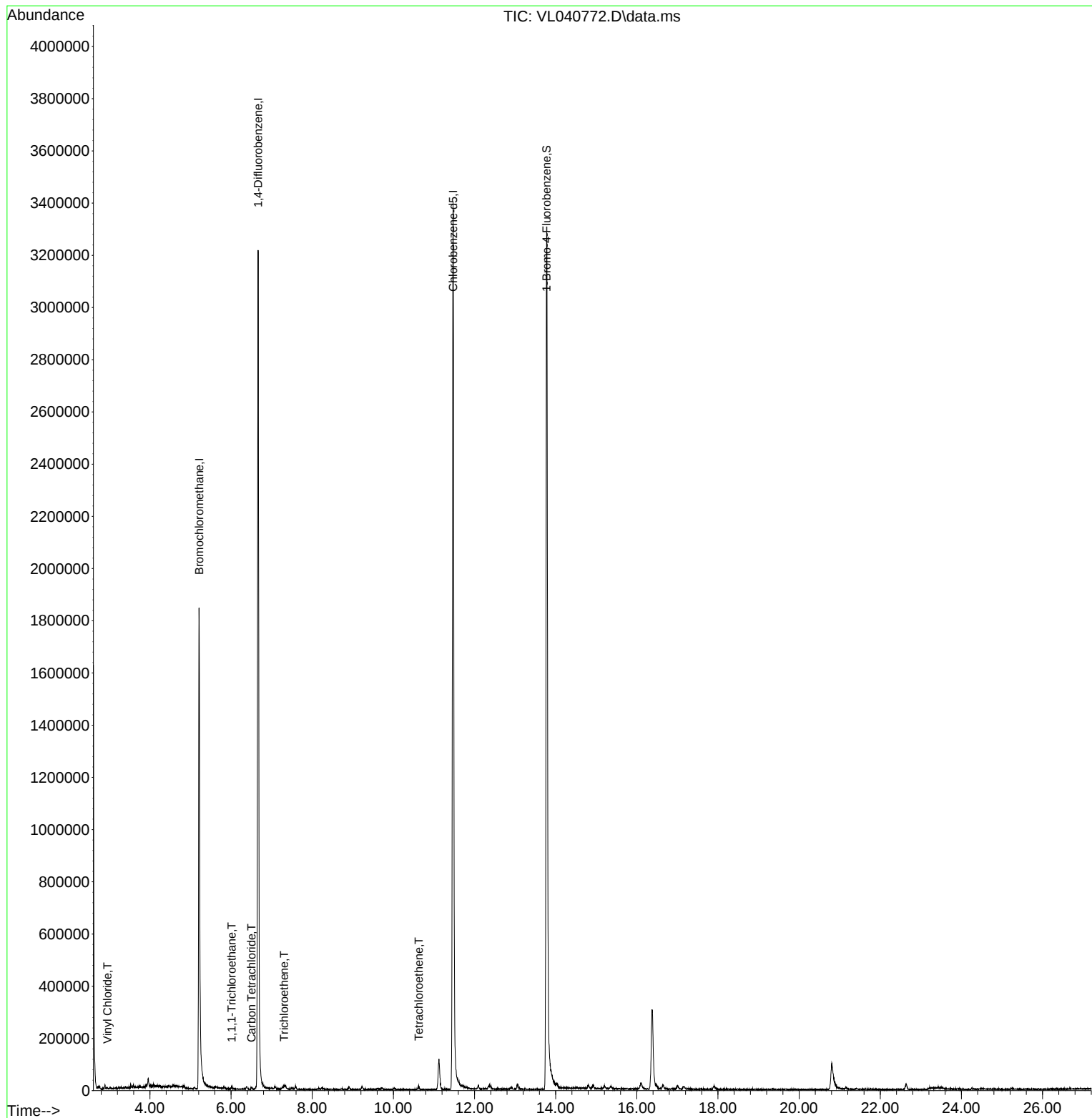
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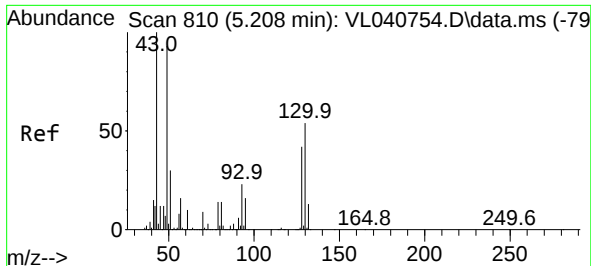
Instrument :
MSVOA_L
ClientSampleId :
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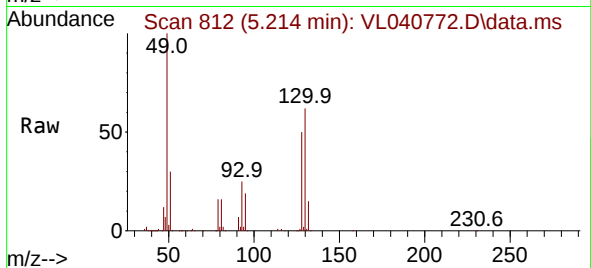
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 810
Delta R.T. 0.006 min
Lab File: VL040772.D
Acq: 12 Oct 2023 1:48

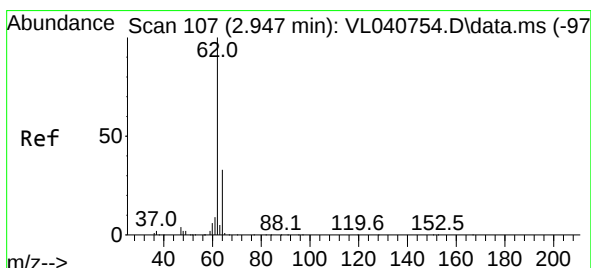
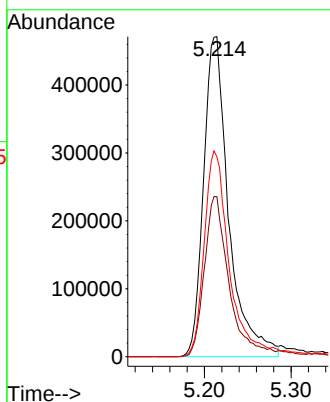
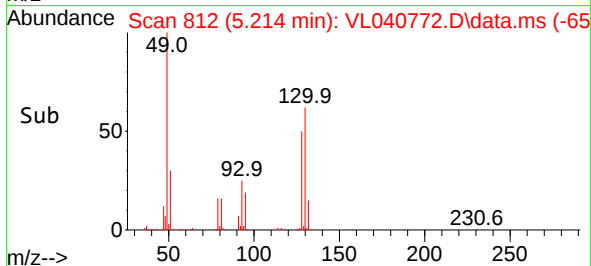
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 49 Resp: 95074
Ion Ratio Lower Upper
49 100
128 50.4 23.9 71.7
130 67.3 30.7 92.1

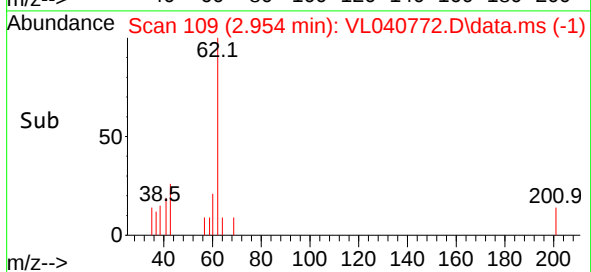
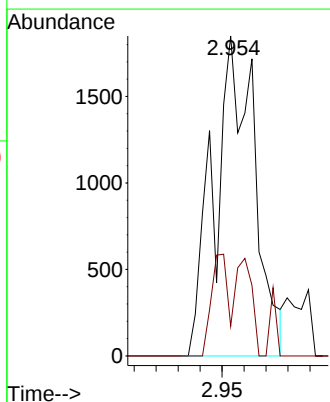
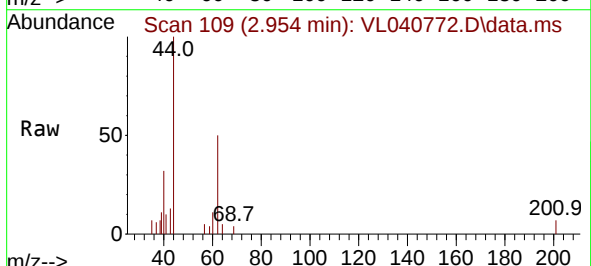
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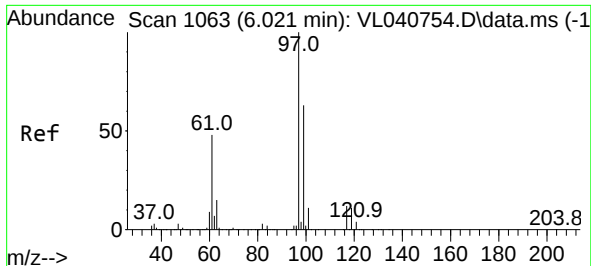
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#5
Vinyl Chloride
Concen: 0.041 ppbv m
RT: 2.954 min Scan# 109
Delta R.T. 0.007 min
Lab File: VL040772.D
Acq: 12 Oct 2023 1:48

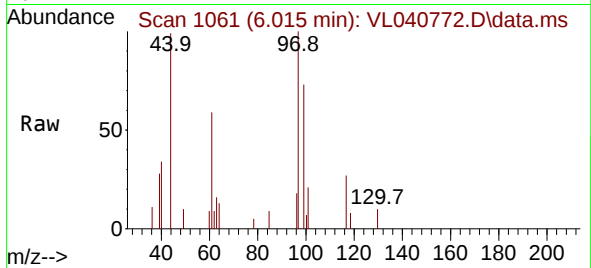
Tgt Ion: 62 Resp: 2341
Ion Ratio Lower Upper
62 100
64 9.3 26.6 39.8#





#32
1,1,1-Trichloroethane
Concen: 0.035 ppbv m
RT: 6.015 min Scan# 1061
Delta R.T. -0.006 min
Lab File: VL040772.D
Acq: 12 Oct 2023 1:48

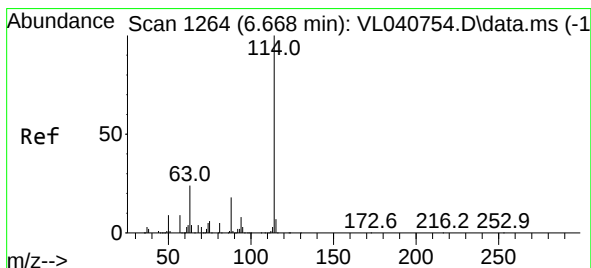
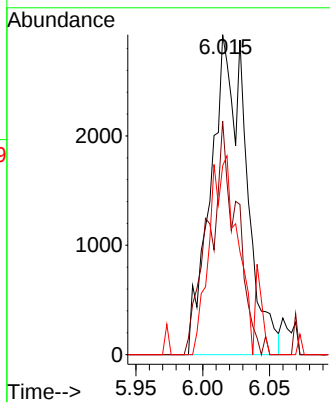
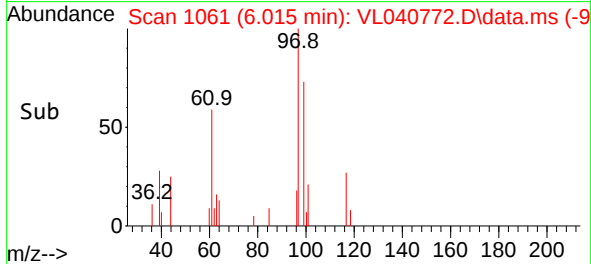
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 97 Resp: 5379
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.6
61 0.0 38.6 58.0

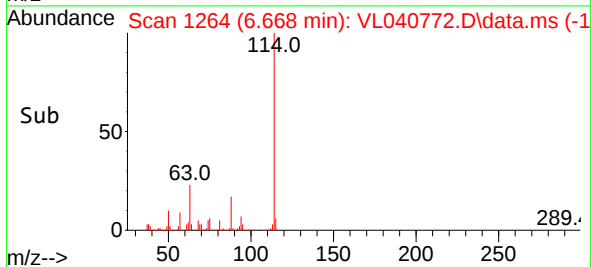
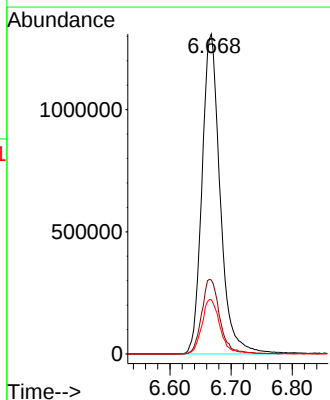
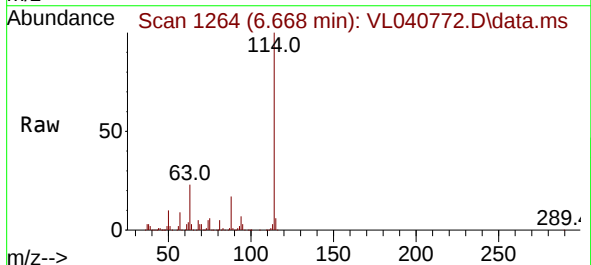
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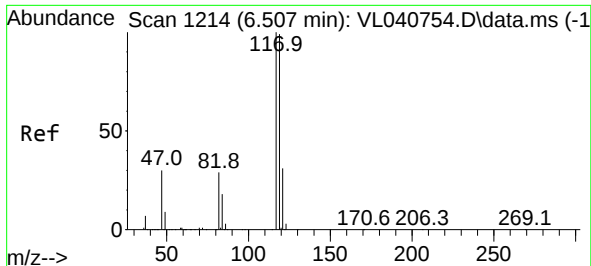
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.668 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VL040772.D
Acq: 12 Oct 2023 1:48

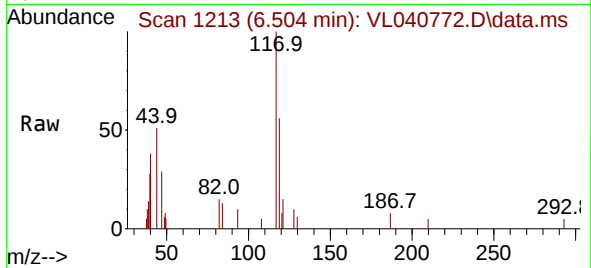
Tgt Ion:114 Resp: 2703454
Ion Ratio Lower Upper
114 100
63 23.5 19.8 29.6
88 17.2 14.2 21.2





#35
Carbon Tetrachloride
Concen: 0.031 ppbv m
RT: 6.504 min Scan# 117
Delta R.T. -0.003 min
Lab File: VL040772.D
Acq: 12 Oct 2023 1:48

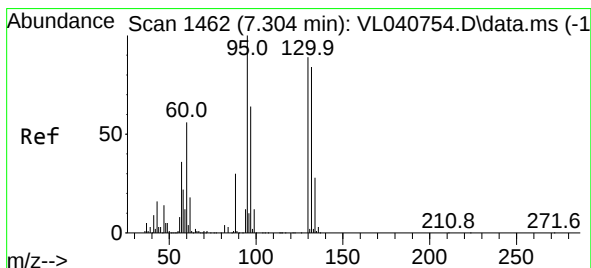
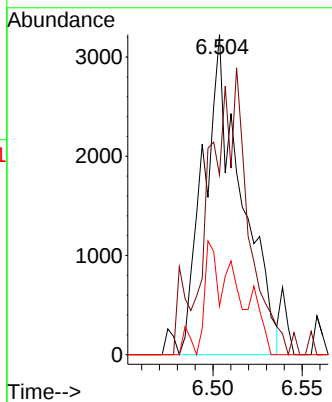
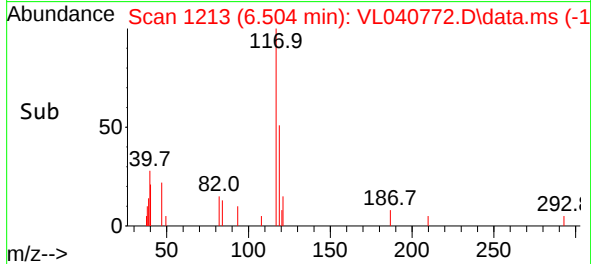
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion:117 Resp: 4752
Ion Ratio Lower Upper
117 100
119 56.2 79.4 119.0#
121 15.2 25.0 37.4#

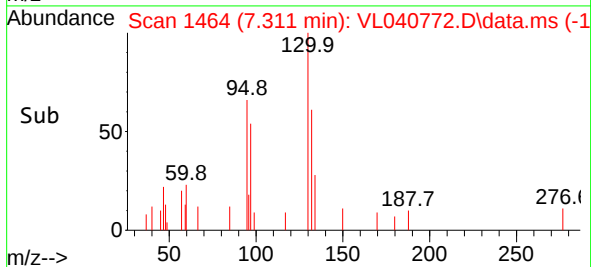
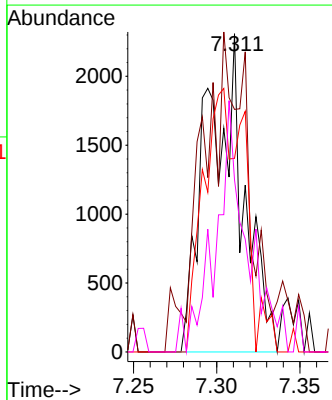
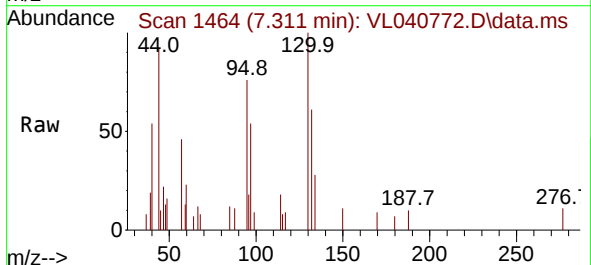
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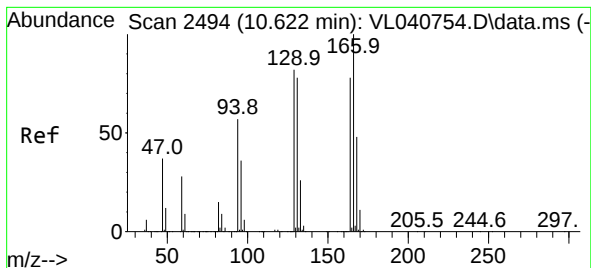
Reviewed By :Semsettin Yesilyurt 10/13/2023
Supervised By :Mahesh Dadoda 10/16/2023



#38
Trichloroethene
Concen: 0.039 ppbv m
RT: 7.311 min Scan# 1464
Delta R.T. 0.006 min
Lab File: VL040772.D
Acq: 12 Oct 2023 1:48

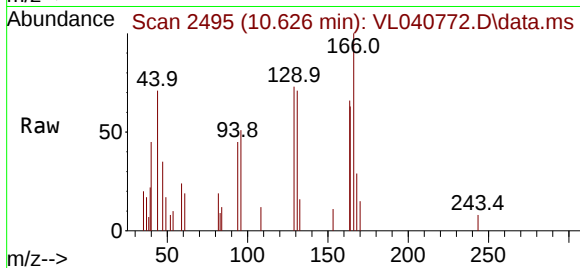
Tgt Ion:130 Resp: 3578
Ion Ratio Lower Upper
130 100
95 76.2 89.4 134.2#
132 60.8 74.8 112.2#
97 54.1 57.2 85.8#





#52
Tetrachloroethene
Concen: 0.044 ppbv m
RT: 10.626 min Scan# 2494
Delta R.T. 0.003 min
Lab File: VL040772.D
Acq: 12 Oct 2023 1:48

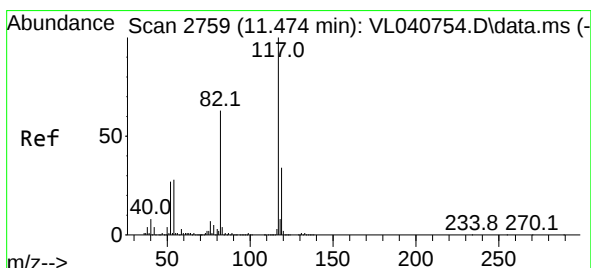
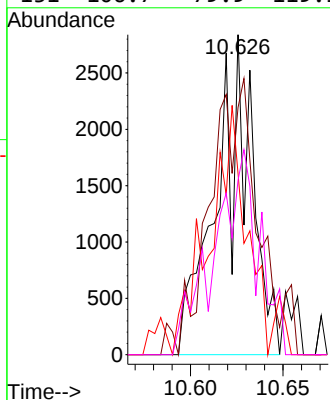
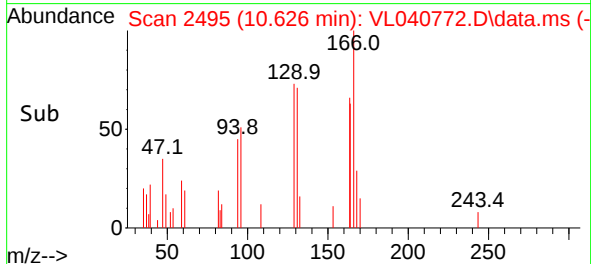
Instrument : MSVOA_L
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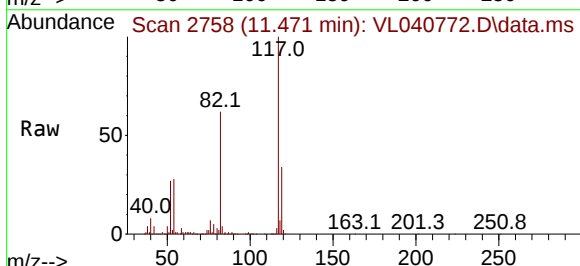
Tgt Ion:164 Resp: 3758
Ion Ratio Lower Upper
164 100
166 151.2 102.4 153.6
129 110.8 84.2 126.4
131 106.7 79.9 119.9

Manual Integrations
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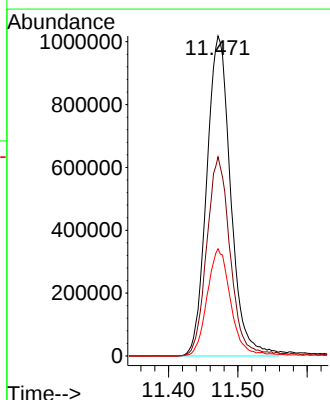
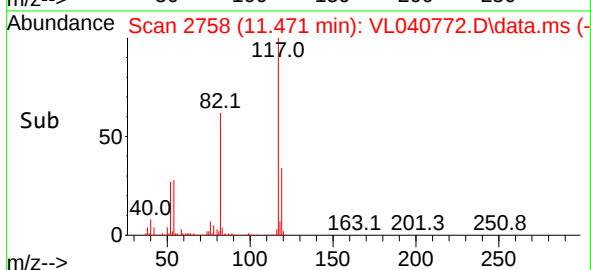
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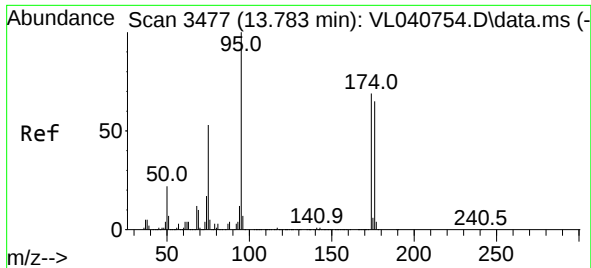


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. -0.003 min
Lab File: VL040772.D
Acq: 12 Oct 2023 1:48



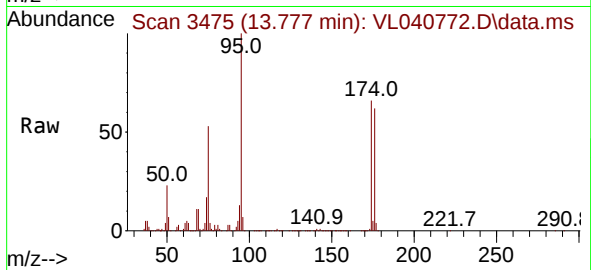
Tgt Ion:117 Resp: 2452867
Ion Ratio Lower Upper
117 100
82 61.6 46.6 70.0
119 33.0 26.0 39.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.215 ppbv
 RT: 13.777 min Scan# 34
 Delta R.T. -0.006 min
 Lab File: VL040772.D
 Acq: 12 Oct 2023 1:48

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 95 Resp: 184373
 Ion Ratio Lower Upper
 95 100
 174 68.1 54.7 82.1
 175 5.1 4.2 6.4

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