

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
 Data File : VL040749.D
 Acq On : 4 Oct 2023 20:53
 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 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023

Quant Time: Oct 05 04:29:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	735863	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	1947839	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.449	117	1618946	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1272250	10.171	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.928	62	2616m	0.048	ppbv	
32) 1,1,1-Trichloroethane	5.996	97	5488m	0.042	ppbv	
35) Carbon Tetrachloride	6.475	117	5482m	0.041	ppbv	
38) Trichloroethene	7.288	130	2523m	0.046	ppbv	
52) Tetrachloroethene	10.603	164	1582m	0.034	ppbv	

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

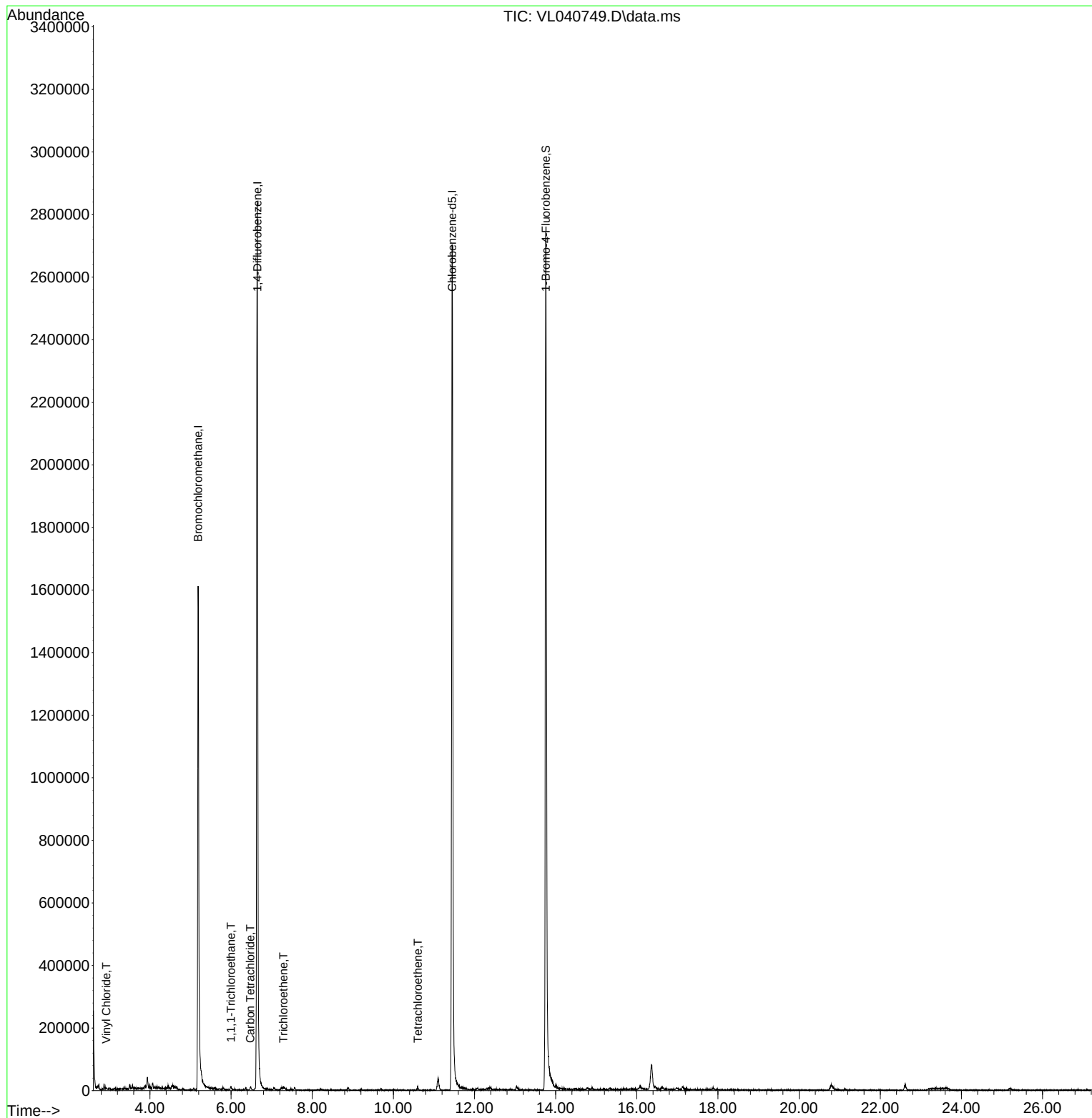
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
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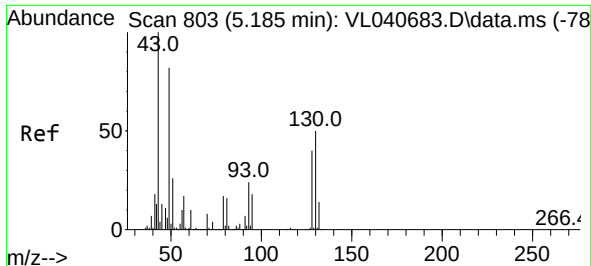
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023

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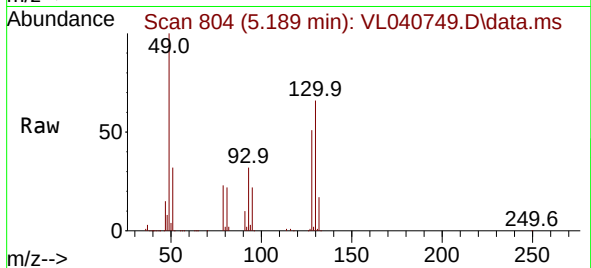
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 803
Delta R.T. -0.009 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

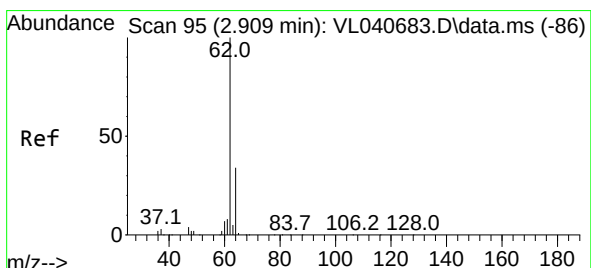
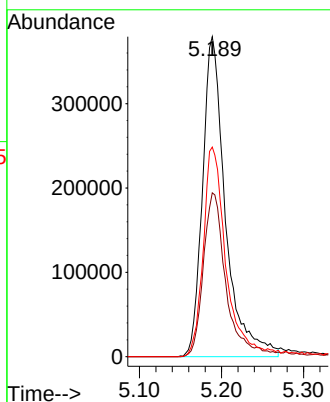
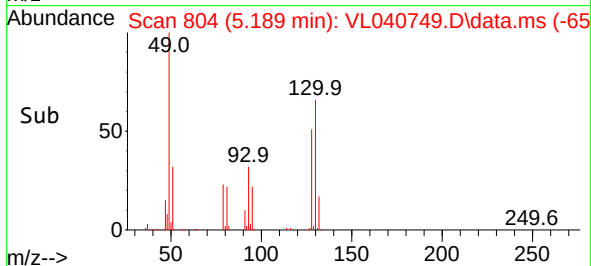
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 49 Resp: 73586
Ion Ratio Lower Upper
49 100
128 52.6 25.4 76.0
130 67.7 32.3 96.8

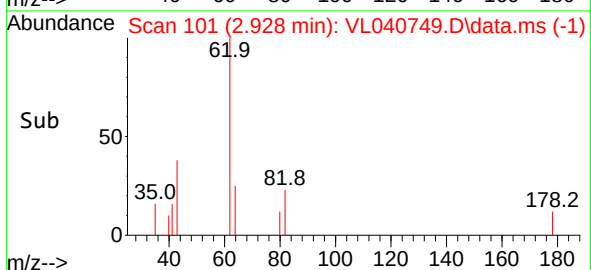
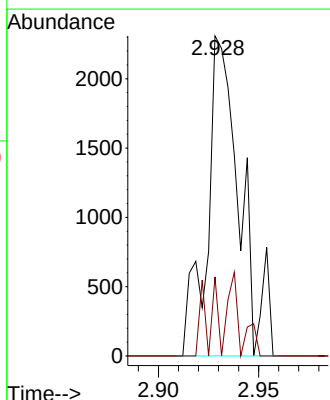
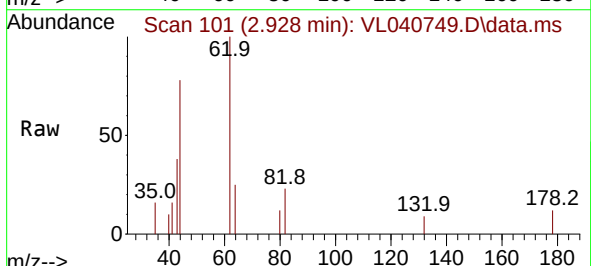
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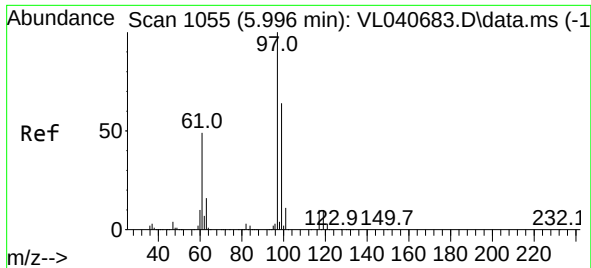
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#5
Vinyl Chloride
Concen: 0.048 ppbv m
RT: 2.928 min Scan# 101
Delta R.T. 0.003 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

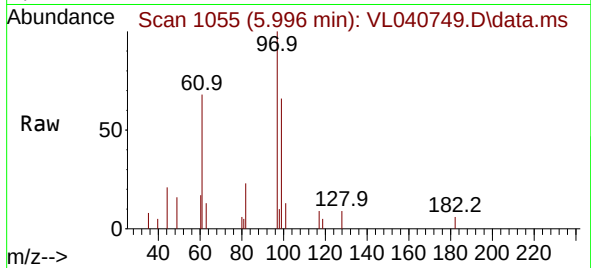
Tgt Ion: 62 Resp: 2616
Ion Ratio Lower Upper
62 100
64 0.0 27.2 40.8





#32
1,1,1-Trichloroethane
Concen: 0.042 ppbv m
RT: 5.996 min Scan# 1055
Delta R.T. -0.016 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

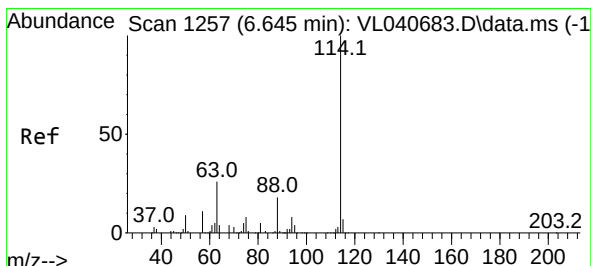
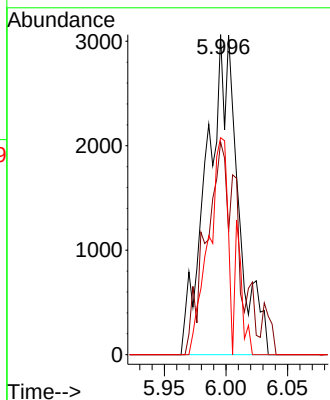
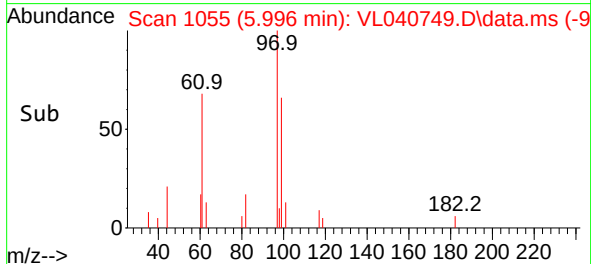
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion: 97 Resp: 548
Ion Ratio Lower Upper
97 100
99 0.0 52.4 78.6
61 0.0 40.2 60.4

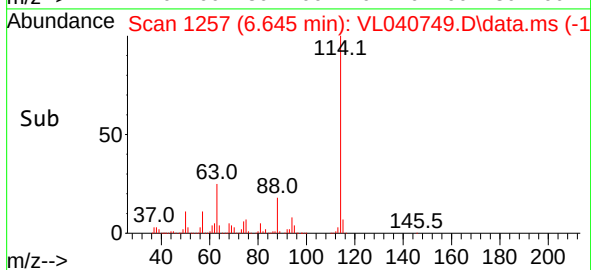
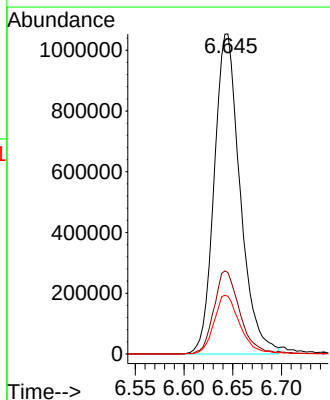
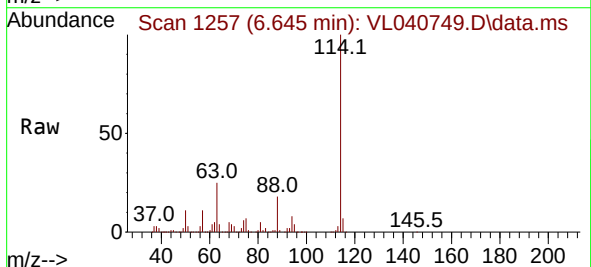
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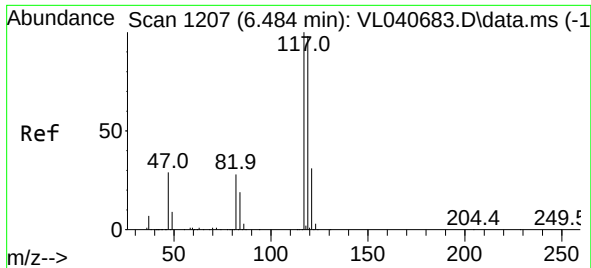
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.016 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

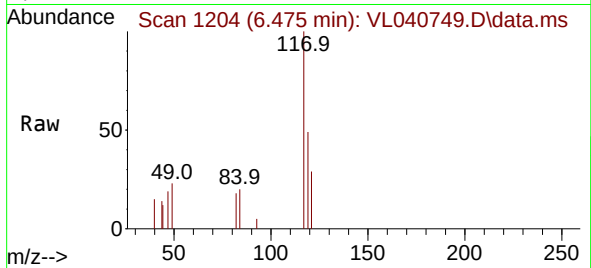
Tgt Ion:114 Resp: 1947839
Ion Ratio Lower Upper
114 100
63 26.2 21.1 31.7
88 18.5 14.5 21.7





#35
Carbon Tetrachloride
Concen: 0.041 ppbv m
RT: 6.475 min Scan# 117
Delta R.T. -0.029 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

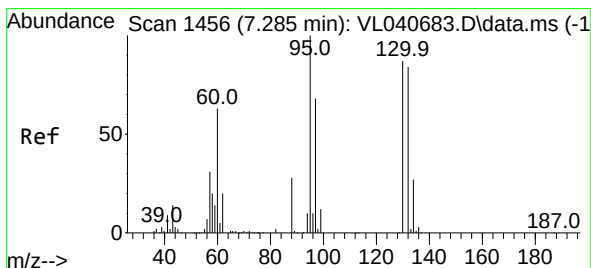
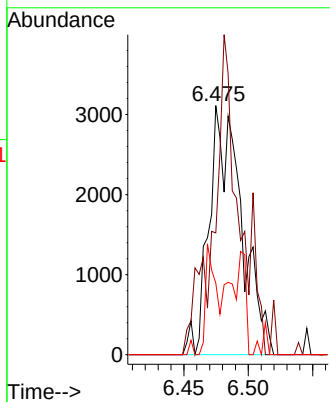
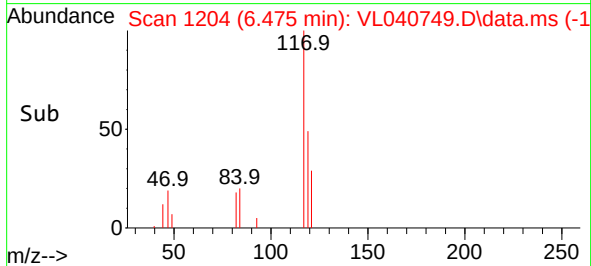
Instrument : MSVOA_L
ClientSampleId : LOD-MDL-AIR-01-QT4-2023



Tgt Ion:117 Resp: 548
Ion Ratio Lower Upper
117 100
119 48.9 78.6 117.8#
121 28.7 24.7 37.1

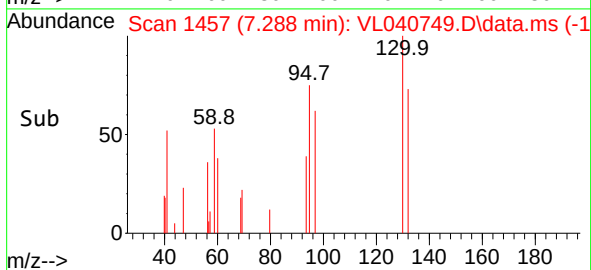
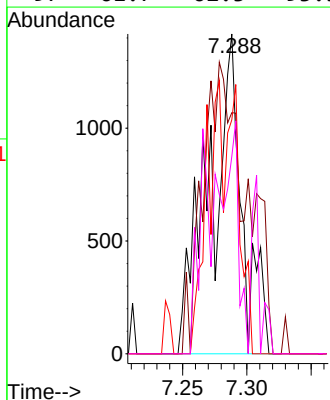
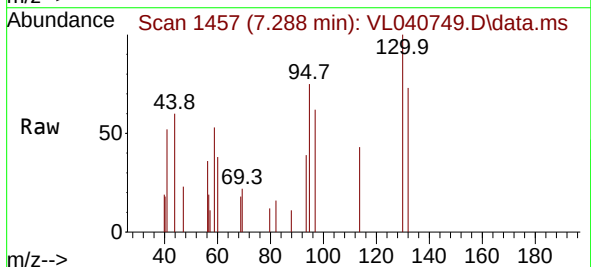
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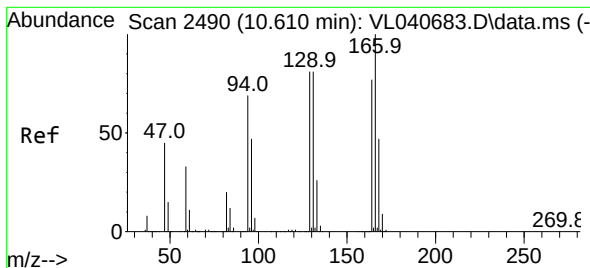
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#38
Trichloroethene
Concen: 0.046 ppbv m
RT: 7.288 min Scan# 1457
Delta R.T. -0.013 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

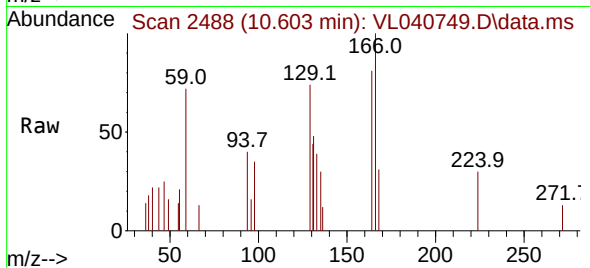
Tgt Ion:130 Resp: 2523
Ion Ratio Lower Upper
130 100
95 75.4 91.9 137.9#
132 73.1 77.3 115.9#
97 61.7 62.3 93.5#





#52
Tetrachloroethene
Concen: 0.034 ppbv m
RT: 10.603 min Scan# 2490
Delta R.T. -0.022 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

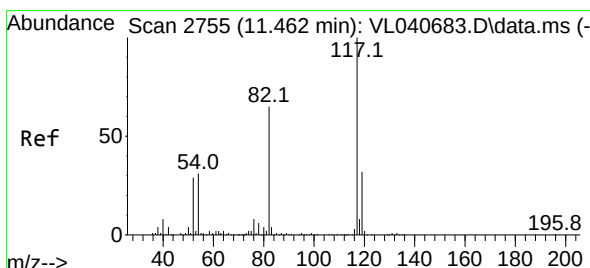
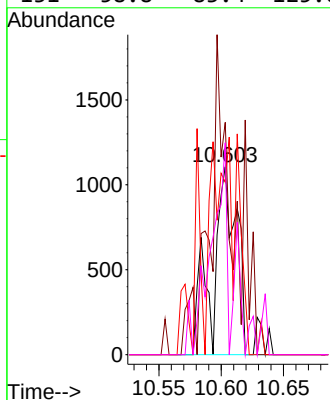
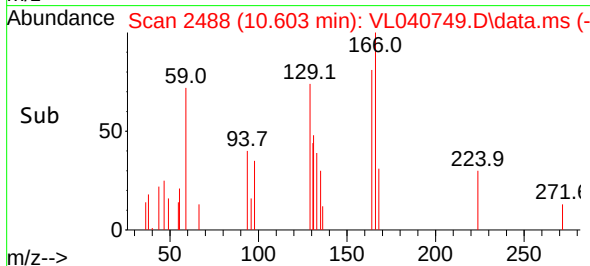
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2023



Tgt Ion:164 Resp: 1582
Ion Ratio Lower Upper
164 100
166 123.8 103.4 155.2
129 91.9 83.5 125.3
131 58.8 83.4 125.0#

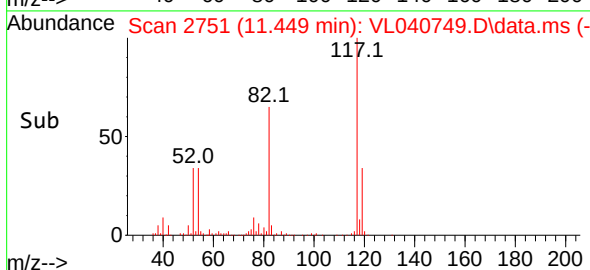
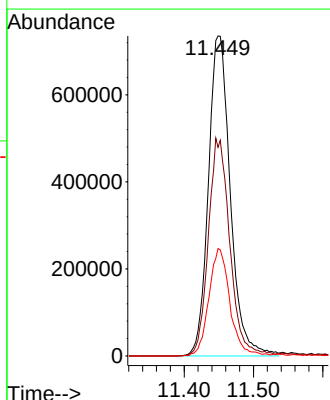
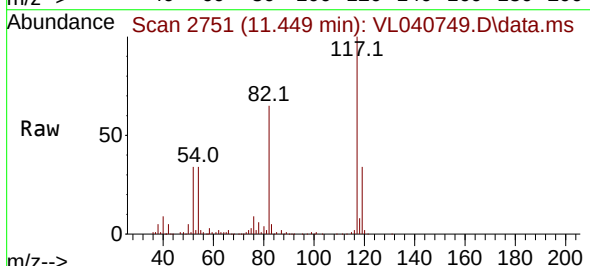
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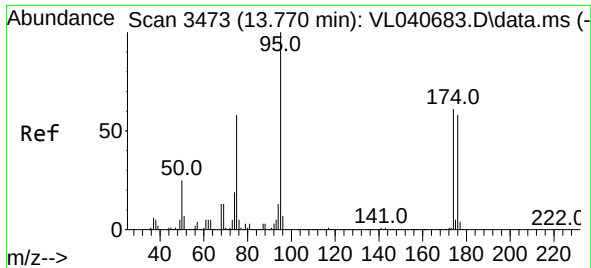
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. -0.029 min
Lab File: VL040749.D
Acq: 4 Oct 2023 20:53

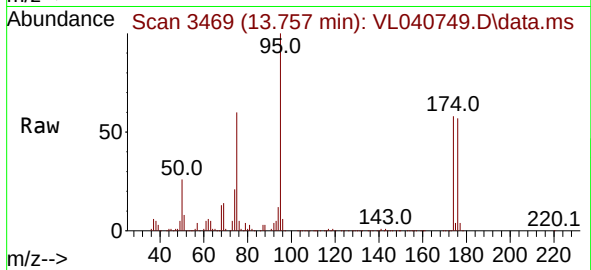
Tgt Ion:117 Resp: 1618946
Ion Ratio Lower Upper
117 100
82 68.1 51.4 77.0
119 32.5 24.7 37.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.171 ppbv
 RT: 13.757 min Scan# 3473
 Delta R.T. -0.029 min
 Lab File: VL040749.D
 Acq: 4 Oct 2023 20:53

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



Tgt Ion: 95 Resp: 1272250
 Ion Ratio Lower Upper
 95 100
 174 62.4 48.9 73.3
 175 4.3 3.5 5.3

Manual Integrations
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