

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL102323\
 Data File : VL040787.D
 Acq On : 23 Oct 2023 20:32
 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 16:12:46 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LFri Aug 2
 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	5.189	49	857487	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	6.642	114	2402784	10.000	ppbv	-0.03
55) Chlorobenzene-d5	11.446	117	2181125	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.754	95	1626360	10.134	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.938	62	2151m	0.042	ppbv	
32) 1,1,1-Trichloroethane	5.996	97	5561m	0.041	ppbv	
35) Carbon Tetrachloride	6.491	117	5796m	0.043	ppbv	
38) Trichloroethene	7.272	130	3774m	0.046	ppbv	
52) Tetrachloroethene	10.594	164	2982m	0.040	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.031	83	7120m	0.044	ppbv	

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

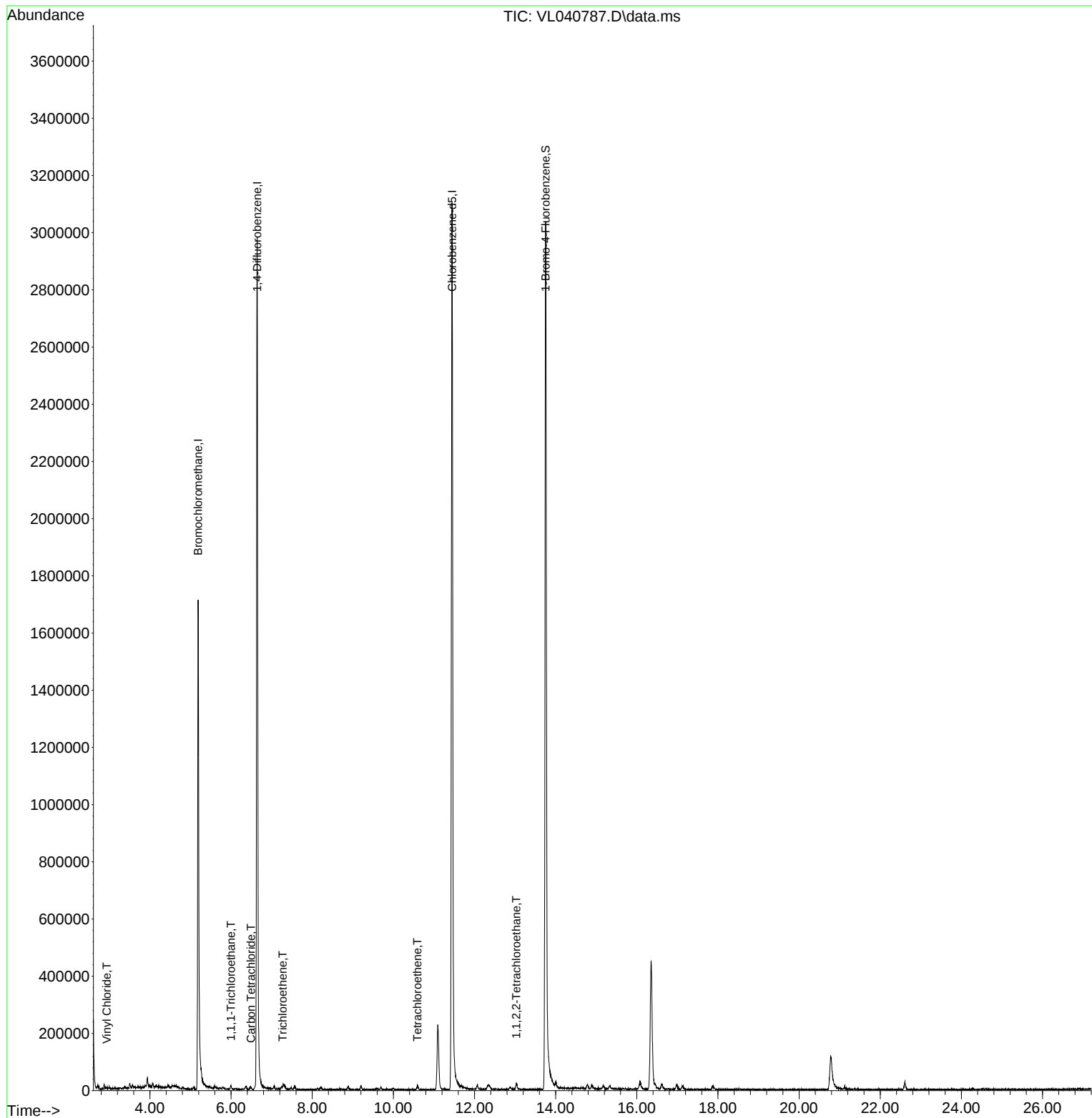
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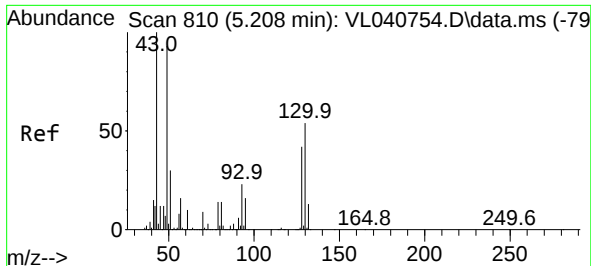
Instrument :
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ClientSampleId :
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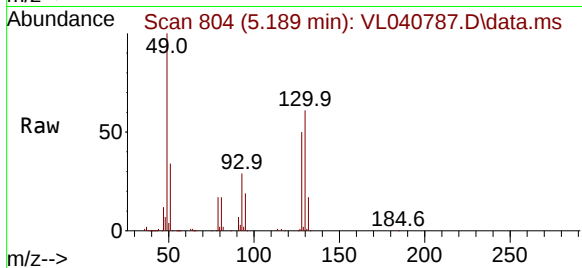
Reviewed By : Mahesh Dadoda 10/25/2023
Supervised By : Semsettin Yesilyurt 10/25/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.189 min Scan# 80
Delta R.T. -0.019 min
Lab File: VL040787.D
Acq: 23 Oct 2023 20:32

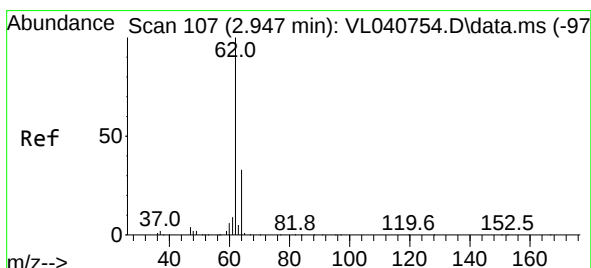
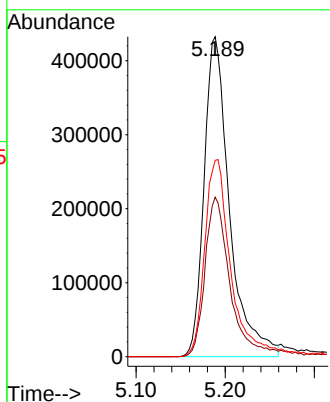
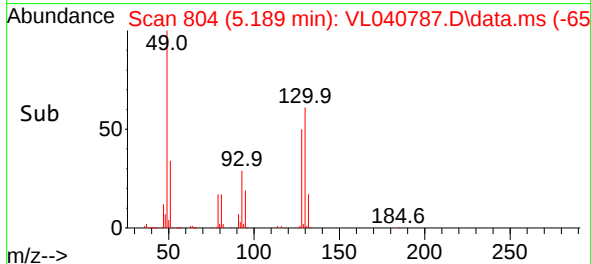
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion: 49 Resp: 85748
Ion Ratio Lower Upper
49 100
128 51.7 23.9 71.7
130 65.0 30.7 92.1

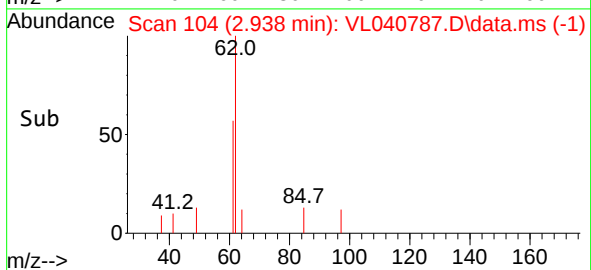
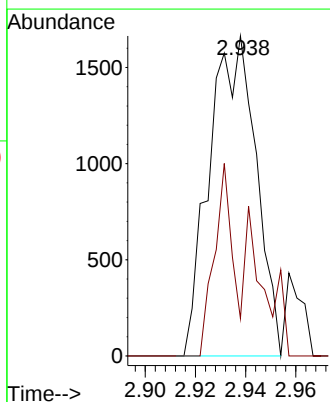
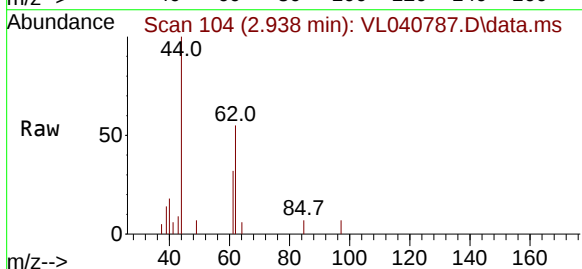
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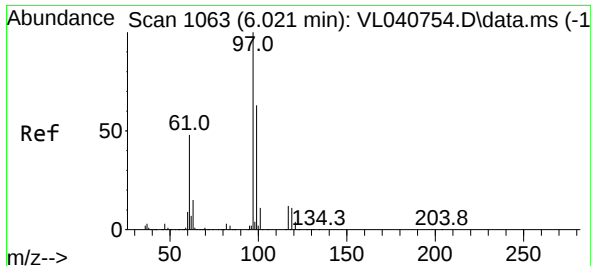
Reviewed By :Mahesh Dadoda 10/25/2023
Supervised By :Semsettin Yesilyurt 10/25/2023



#5
Vinyl Chloride
Concen: 0.042 ppbv m
RT: 2.938 min Scan# 104
Delta R.T. -0.009 min
Lab File: VL040787.D
Acq: 23 Oct 2023 20:32

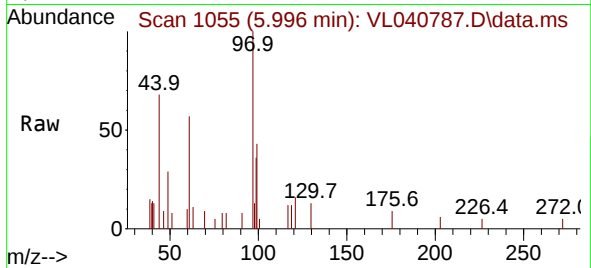
Tgt Ion: 62 Resp: 2151
Ion Ratio Lower Upper
62 100
64 11.7 26.6 39.8#





#32
1,1,1-Trichloroethane
Concen: 0.041 ppbv m
RT: 5.996 min Scan# 1055
Delta R.T. -0.026 min
Lab File: VL040787.D
Acq: 23 Oct 2023 20:32

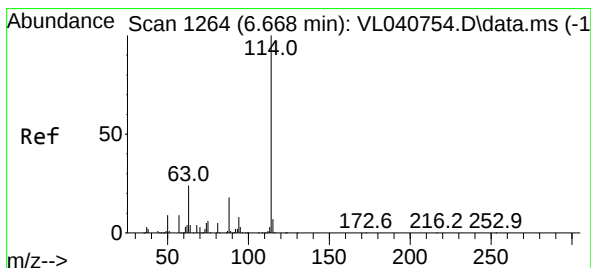
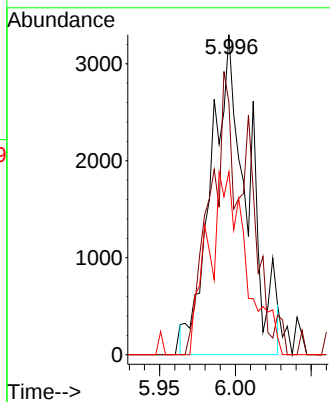
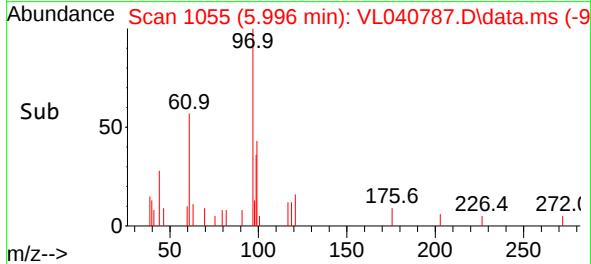
Instrument : MSVOA_L
ClientSampleId : MDL-AIR-03-QT4-2023DL



Tgt Ion: 97 Resp: 556
Ion Ratio Lower Upper
97 100
99 90.1 51.8 77.6
61 59.8 38.6 58.0

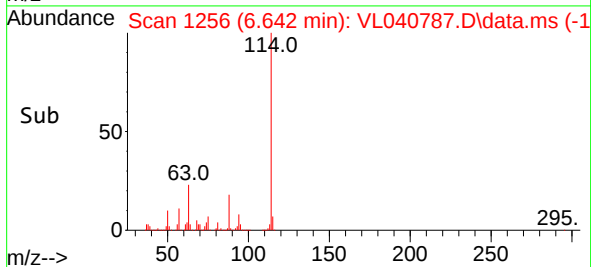
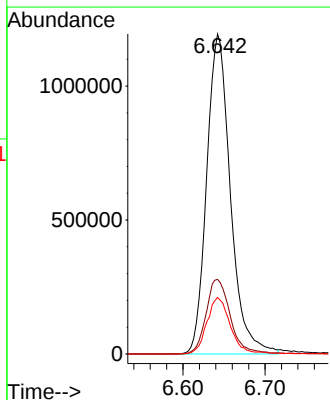
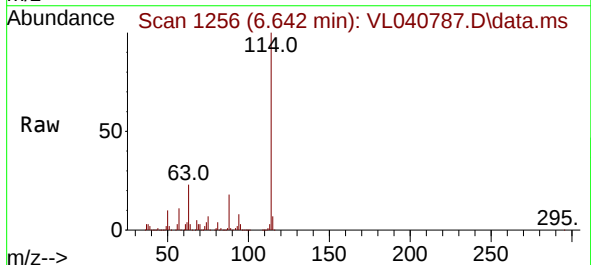
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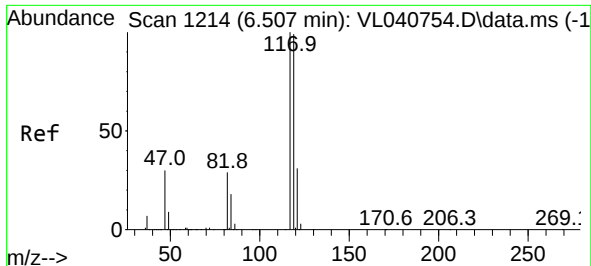
Reviewed By :Mahesh Dadoda 10/25/2023
Supervised By :Semsettin Yesilyurt 10/25/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.026 min
Lab File: VL040787.D
Acq: 23 Oct 2023 20:32

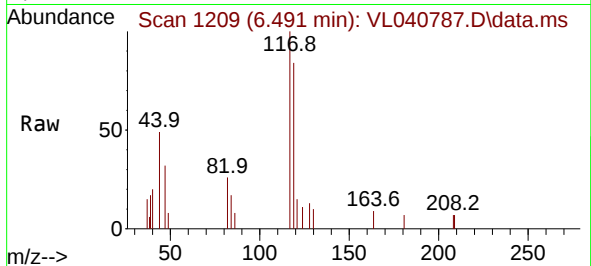
Tgt Ion:114 Resp: 2402784
Ion Ratio Lower Upper
114 100
63 24.1 19.8 29.6
88 17.6 14.2 21.2





#35
Carbon Tetrachloride
Concen: 0.043 ppbv m
RT: 6.491 min Scan# 117
Delta R.T. -0.016 min
Lab File: VL040787.D
Acq: 23 Oct 2023 20:32

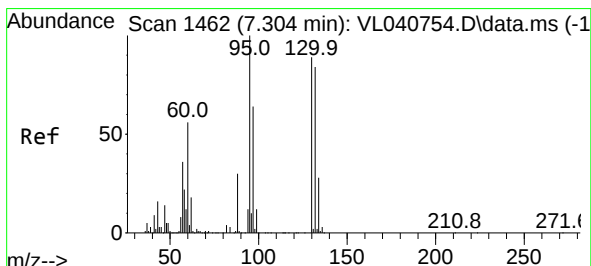
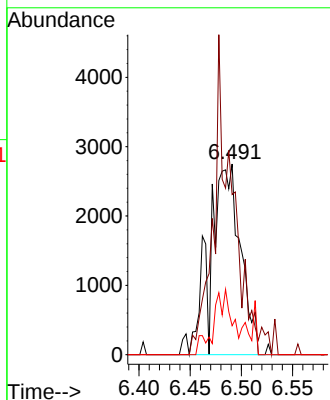
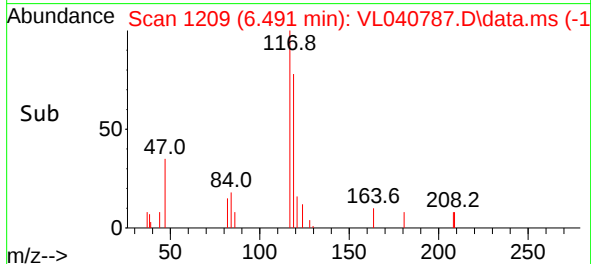
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



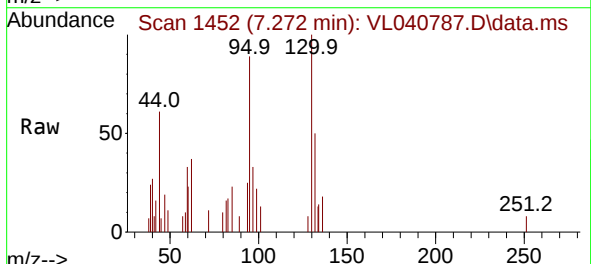
Tgt Ion:117 Resp: 5790
Ion Ratio Lower Upper
117 100
119 84.0 79.4 119.0
121 15.2 25.0 37.4

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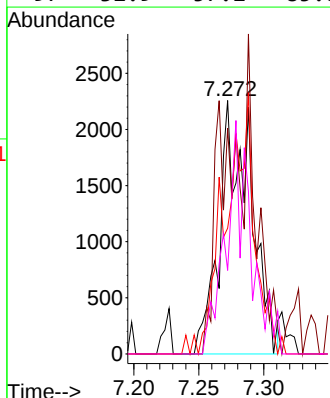
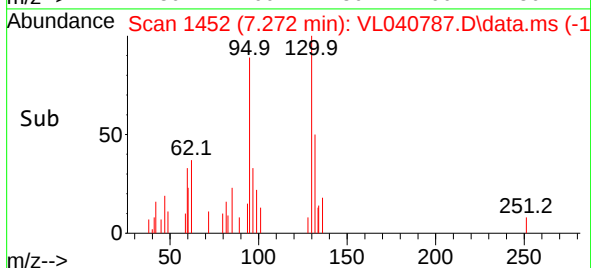
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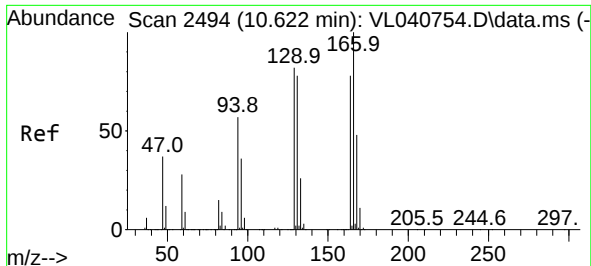


#38
Trichloroethene
Concen: 0.046 ppbv m
RT: 7.272 min Scan# 1452
Delta R.T. -0.032 min
Lab File: VL040787.D
Acq: 23 Oct 2023 20:32



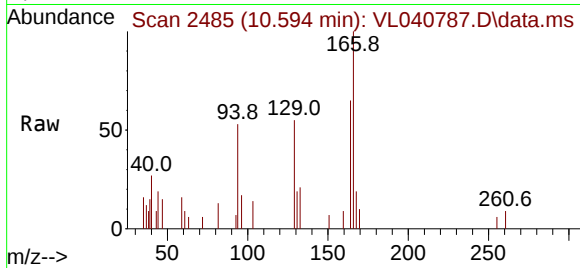
Tgt Ion:130 Resp: 3774
Ion Ratio Lower Upper
130 100
95 89.1 89.4 134.2#
132 49.6 74.8 112.2#
97 32.9 57.2 85.8#





#52
Tetrachloroethene
Concen: 0.040 ppbv m
RT: 10.594 min Scan# 2494
Delta R.T. -0.029 min
Lab File: VL040787.D
Acq: 23 Oct 2023 20:32

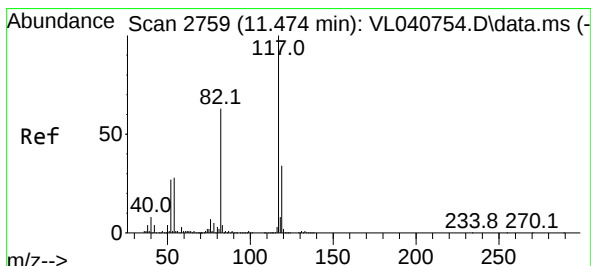
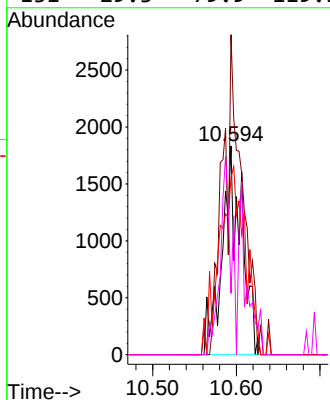
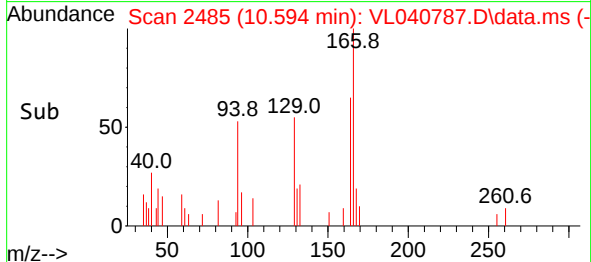
Instrument : MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2023DL



Tgt Ion:164 Resp: 2982
Ion Ratio Lower Upper
164 100
166 153.3 102.4 153.6
129 84.7 84.2 126.4
131 29.3 79.9 119.9#

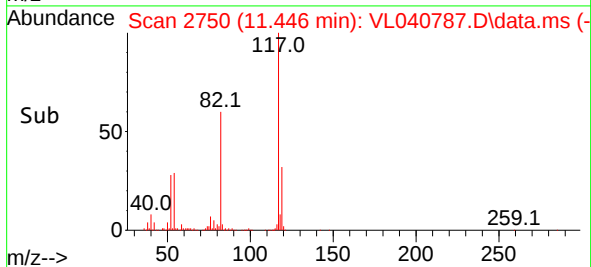
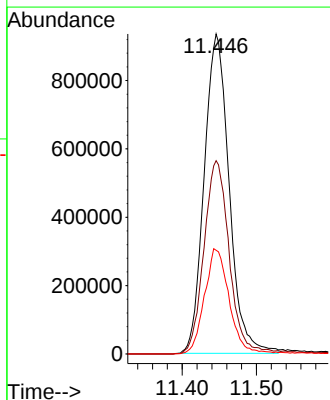
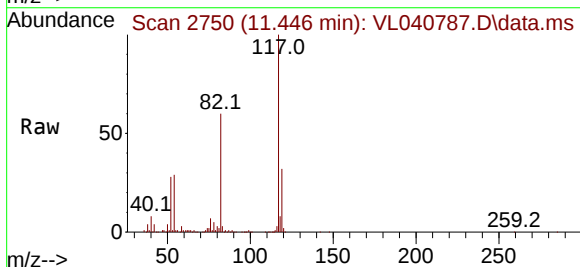
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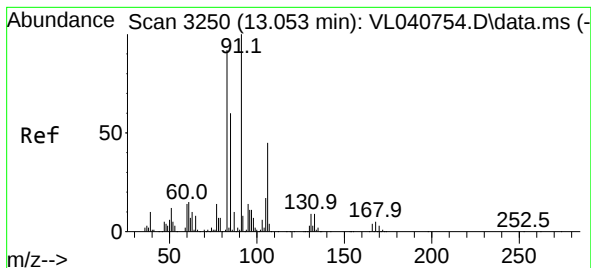
Reviewed By :Mahesh Dadoda 10/25/2023
Supervised By :Semsettin Yesilyurt 10/25/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 2750
Delta R.T. -0.029 min
Lab File: VL040787.D
Acq: 23 Oct 2023 20:32

Tgt Ion:117 Resp: 2181125
Ion Ratio Lower Upper
117 100
82 62.7 46.6 70.0
119 33.2 26.0 39.0





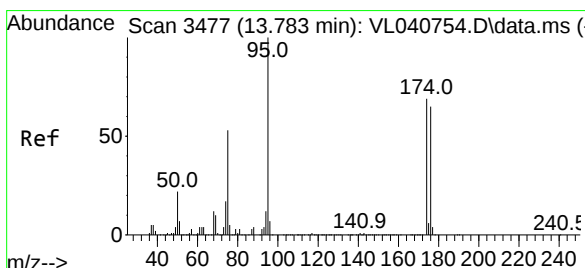
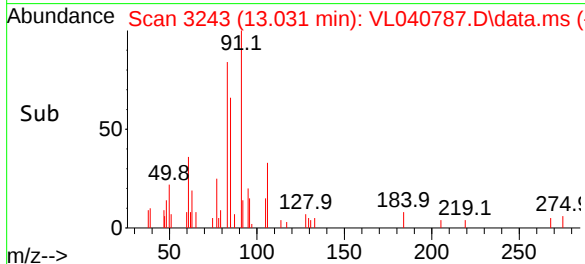
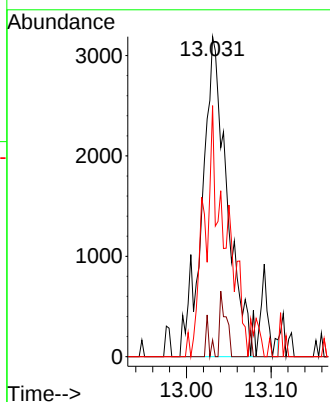
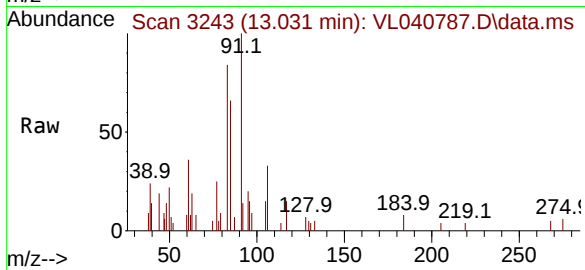
#63
1,1,2,2-Tetrachloroethane
Concen: 0.044 ppbv m
RT: 13.031 min Scan# 31
Delta R.T. -0.022 min
Lab File: VL040787.D
Acq: 23 Oct 2023 20:32

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

Tgt Ion: 83 Resp: 7120
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.6
85 0.0 32.9 98.7

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.134 ppbv
RT: 13.754 min Scan# 3468
Delta R.T. -0.029 min
Lab File: VL040787.D
Acq: 23 Oct 2023 20:32

Tgt Ion: 95 Resp: 1626360
Ion Ratio Lower Upper
95 100
174 67.0 54.7 82.1
175 5.1 4.2 6.4

