

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100423\
 Data File : VL040750.D
 Acq On : 4 Oct 2023 21:33
 Operator : SY/MD
 Sample : 04699-14 LOQ 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2023

Manual Integrations
 APPROVED

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

Quant Time: Oct 05 04:29:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	5.188	49	707964	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	1940172	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.452	117	1583393	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1250232	10.220	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.200%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.928	62	1663m	0.032	ppbv	
32) 1,1,1-Trichloroethane	5.992	97	4934m	0.039	ppbv	
35) Carbon Tetrachloride	6.481	117	5542m	0.042	ppbv	
38) Trichloroethene	7.288	130	2123m	0.039	ppbv	
52) Tetrachloroethene	10.606	164	1479m	0.032	ppbv	

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

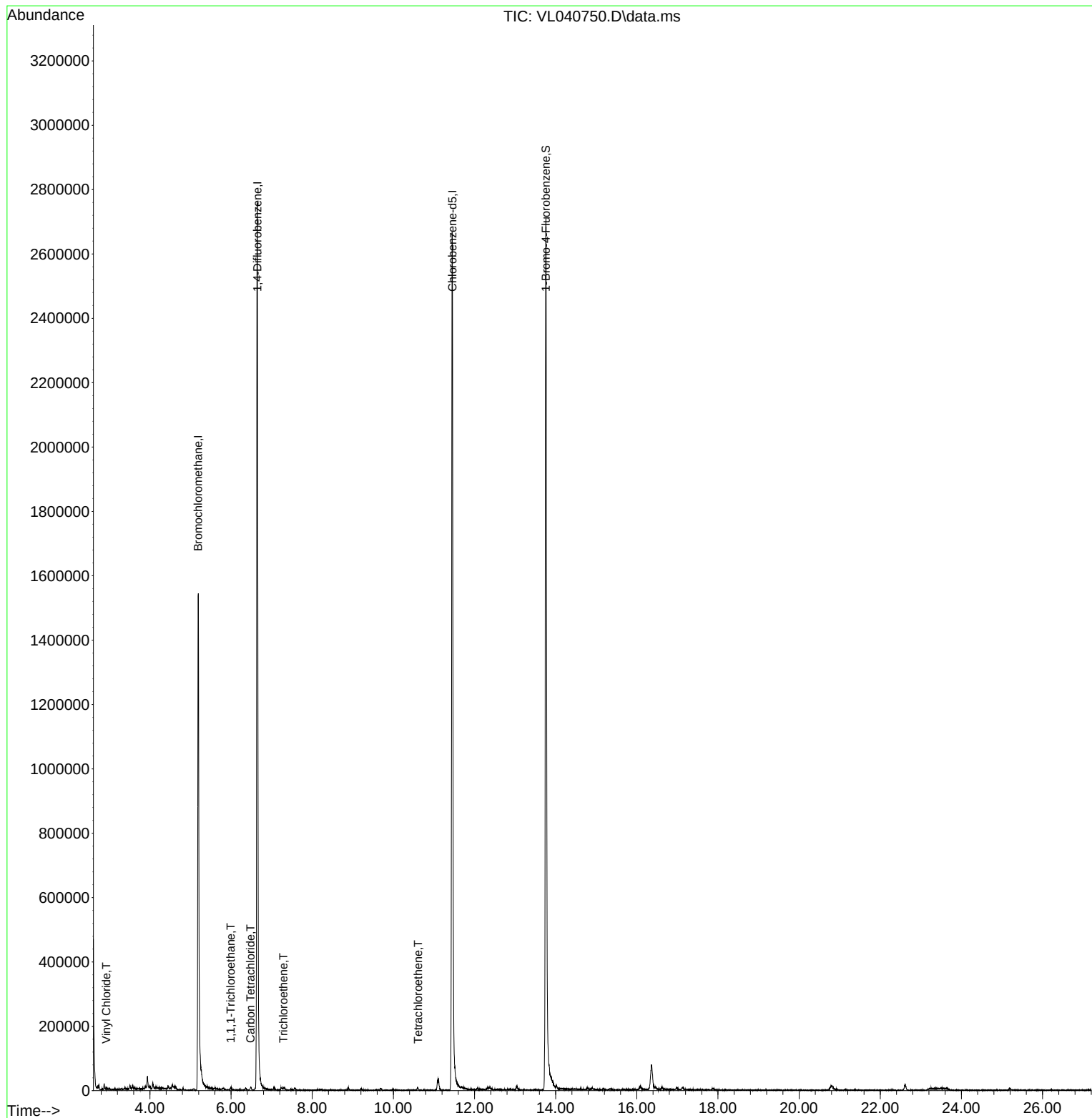
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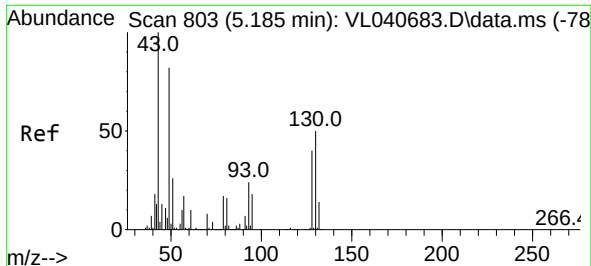
Instrument :
MSVOA_L
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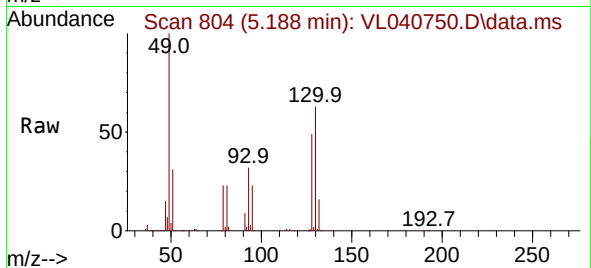
Reviewed By : Semsettin Yesilyurt 10/05/2023
Supervised By : Mahesh Dadoda 10/05/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 803
Delta R.T. -0.010 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

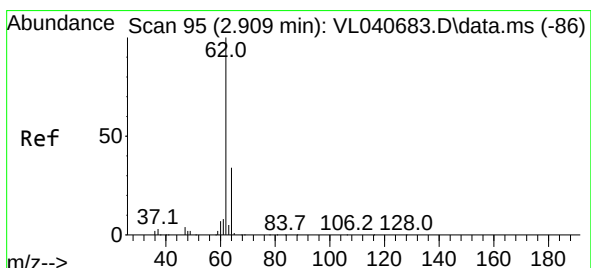
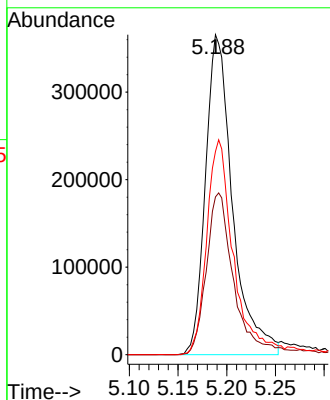
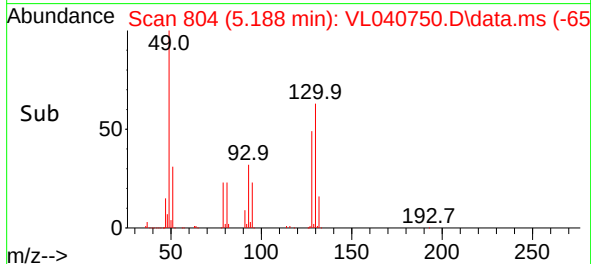
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



Tgt Ion: 49 Resp: 707964
Ion Ratio Lower Upper
49 100
128 52.9 25.4 76.0
130 69.4 32.3 96.8

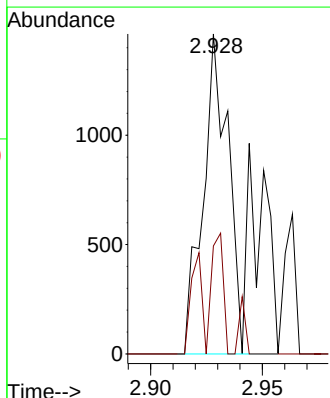
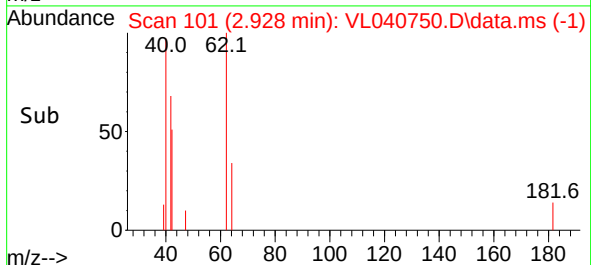
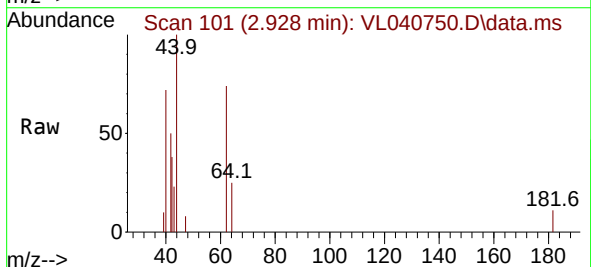
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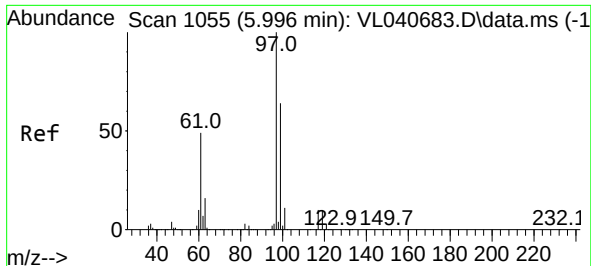
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#5
Vinyl Chloride
Concen: 0.032 ppbv m
RT: 2.928 min Scan# 101
Delta R.T. 0.003 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

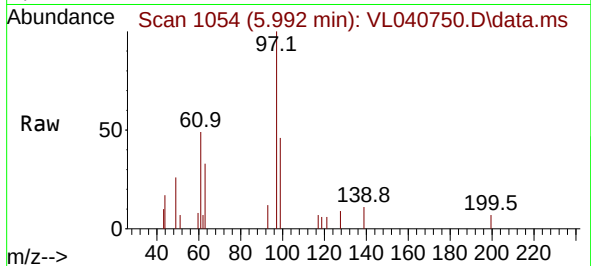
Tgt Ion: 62 Resp: 1663
Ion Ratio Lower Upper
62 100
64 33.8 27.2 40.8





#32
1,1,1-Trichloroethane
Concen: 0.039 ppbv m
RT: 5.992 min Scan# 1054
Delta R.T. -0.019 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

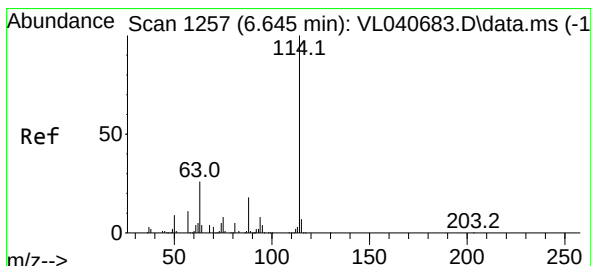
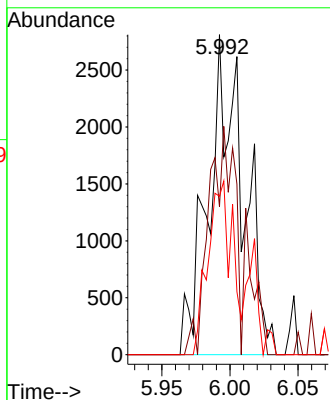
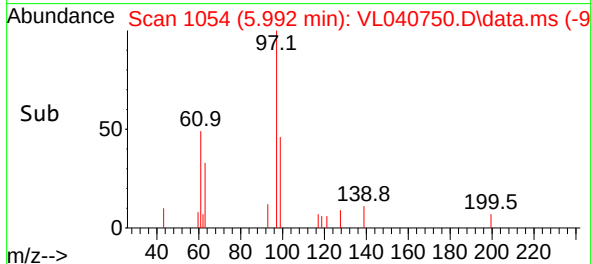
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



Tgt Ion: 97 Resp: 4934
Ion Ratio Lower Upper
97 100
99 0.0 52.4 78.6
61 0.0 40.2 60.4

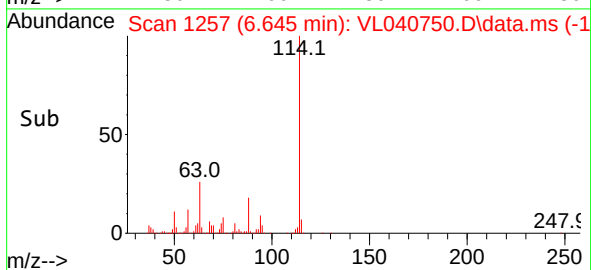
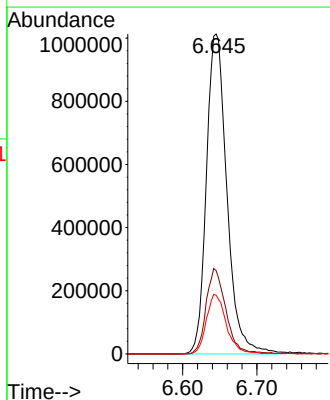
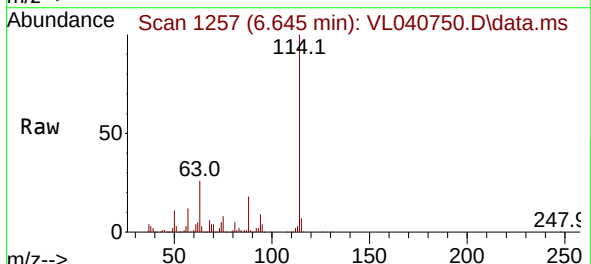
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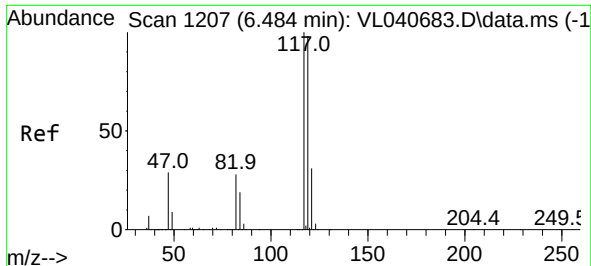
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.016 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

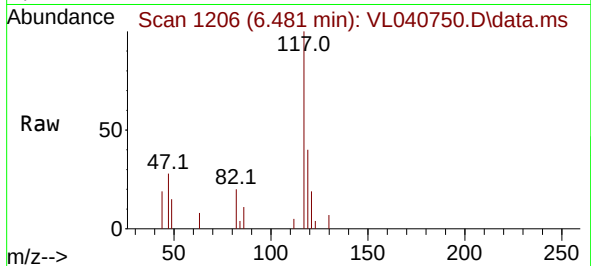
Tgt Ion:114 Resp: 1940172
Ion Ratio Lower Upper
114 100
63 26.1 21.1 31.7
88 18.3 14.5 21.7





#35
Carbon Tetrachloride
Concen: 0.042 ppbv m
RT: 6.481 min Scan# 117
Delta R.T. -0.023 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

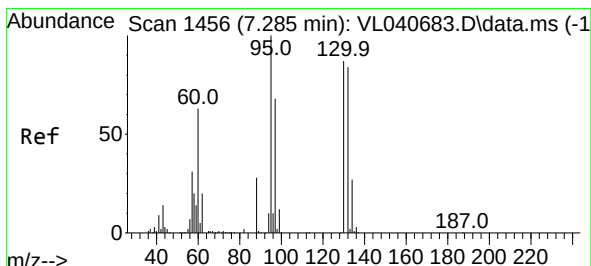
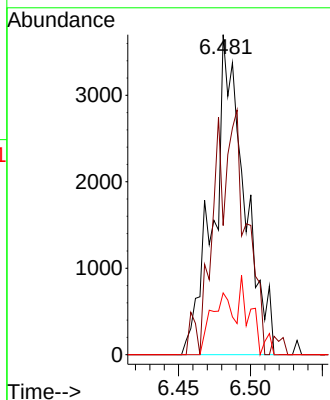
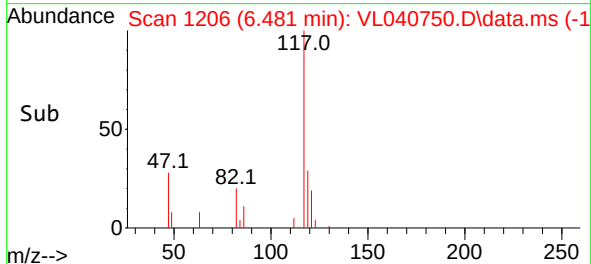
Instrument : MSVOA_L
ClientSampleId :
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Tgt Ion:117 Resp: 554
Ion Ratio Lower Upper
117 100
119 40.4 78.6 117.8#
121 19.3 24.7 37.1#

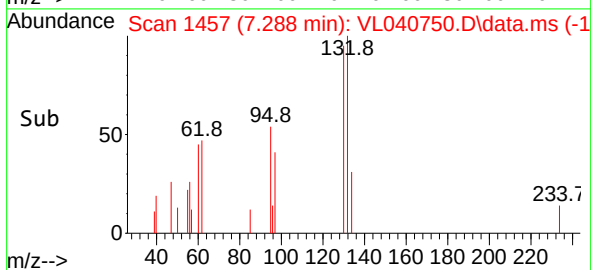
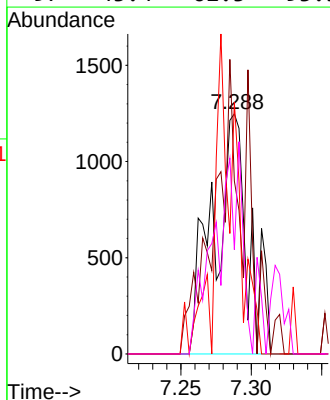
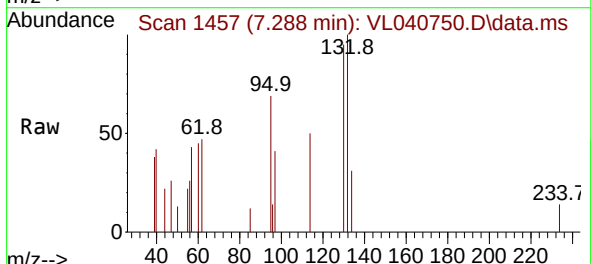
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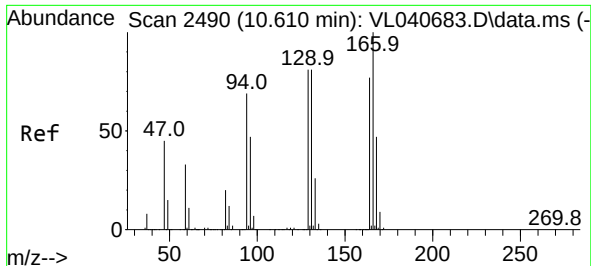
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#38
Trichloroethene
Concen: 0.039 ppbv m
RT: 7.288 min Scan# 1457
Delta R.T. -0.013 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

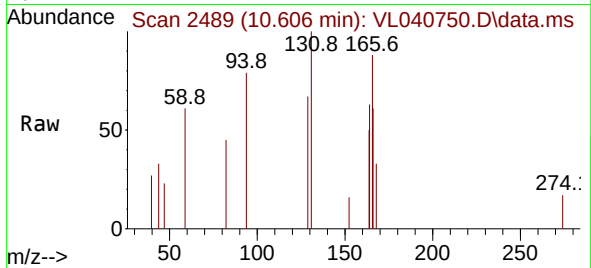
Tgt Ion:130 Resp: 2123
Ion Ratio Lower Upper
130 100
95 72.0 91.9 137.9#
132 105.0 77.3 115.9
97 43.4 62.3 93.5#





#52
Tetrachloroethene
Concen: 0.032 ppbv m
RT: 10.606 min Scan# 2490
Delta R.T. -0.019 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

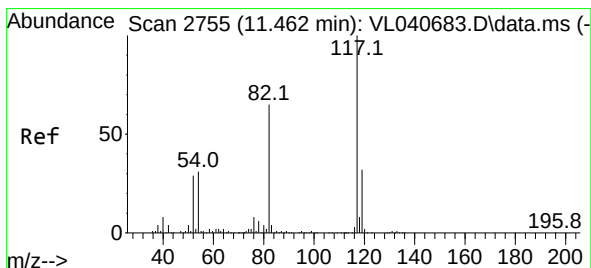
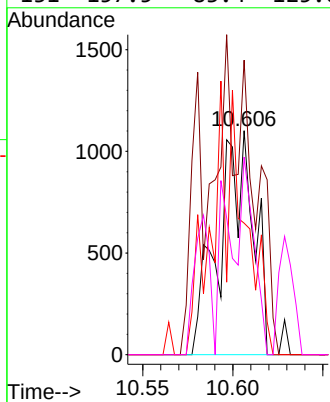
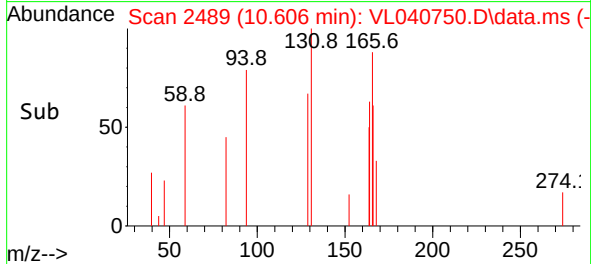
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2023



Tgt Ion:164 Resp: 1479
Ion Ratio Lower Upper
164 100
166 139.4 103.4 155.2
129 104.9 83.5 125.3
131 157.5 83.4 125.0#

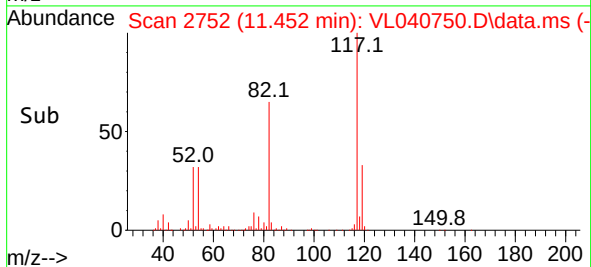
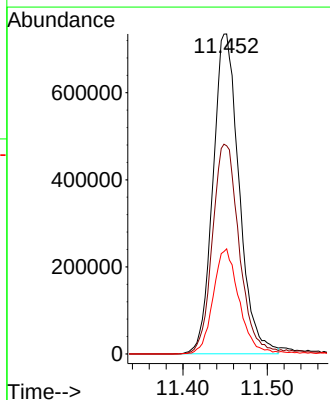
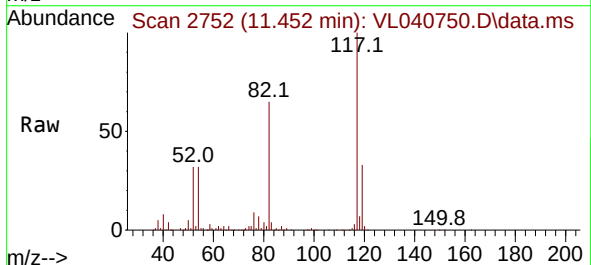
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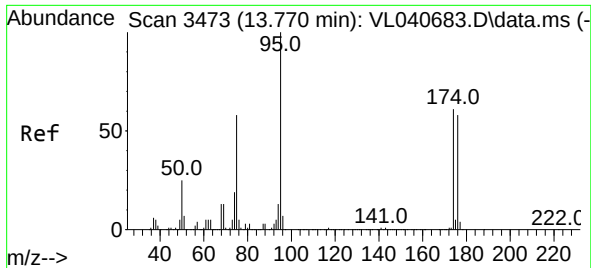
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.452 min Scan# 2752
Delta R.T. -0.026 min
Lab File: VL040750.D
Acq: 4 Oct 2023 21:33

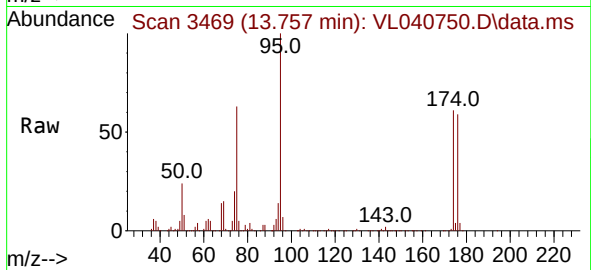
Tgt Ion:117 Resp: 1583393
Ion Ratio Lower Upper
117 100
82 69.0 51.4 77.0
119 33.1 24.7 37.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.220 ppbv
 RT: 13.757 min Scan# 3473
 Delta R.T. -0.029 min
 Lab File: VL040750.D
 Acq: 4 Oct 2023 21:33

Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2023



Tgt Ion: 95 Resp: 125023
 Ion Ratio Lower Upper
 95 100
 174 63.5 48.9 73.3
 175 4.3 3.5 5.3

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