

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042999.D
 Acq On : 23 Sep 2025 19:24
 Operator : SY/MD
 Sample : Q2893-14 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025

Quant Time: Sep 24 02:29:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Sep 24 02:23:20 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/24/2025
 Supervised By : Mahesh Dadoda 09/26/2025

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

Internal Standards						
1) Bromochloromethane	2.787	49	151147	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	392939	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	349322	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	268863	10.311	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.100%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	283	0.034	ppbv #	43
32) 1,1,1-Trichloroethane	3.367	97	1004m	0.031	ppbv	
35) Carbon Tetrachloride	3.771	117	1092	0.043	ppbv #	60
38) Trichloroethene	4.548	130	851m	0.046	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.973	83	946m	0.040	ppbv	

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

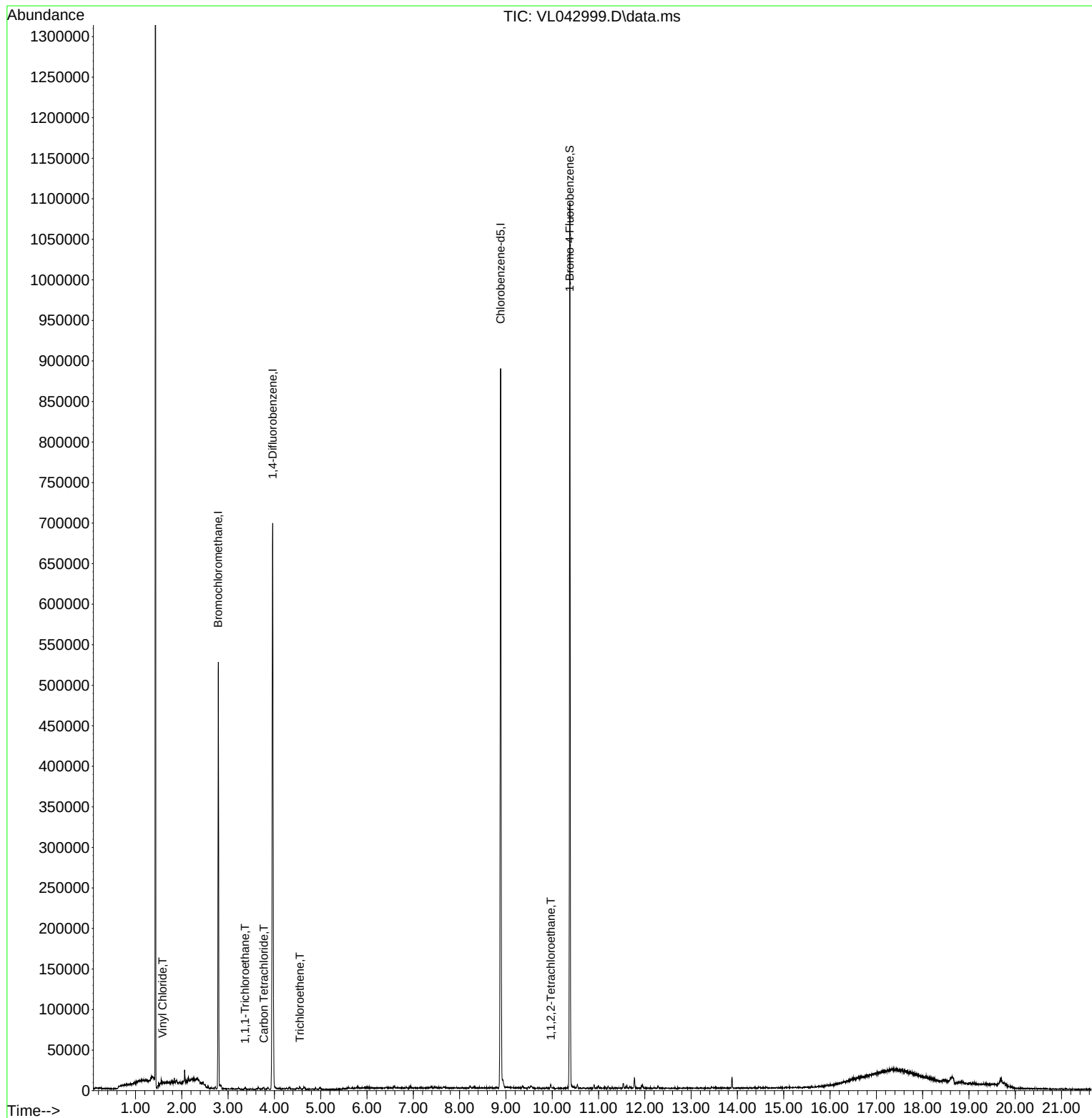
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
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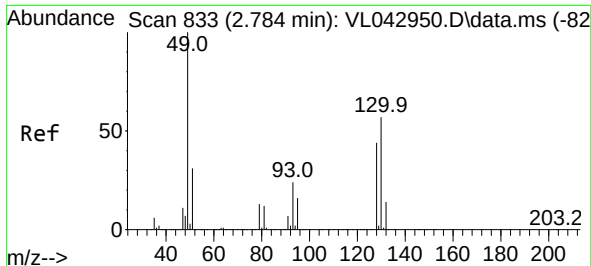
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

Quant Time: Sep 24 02:29:36 2025
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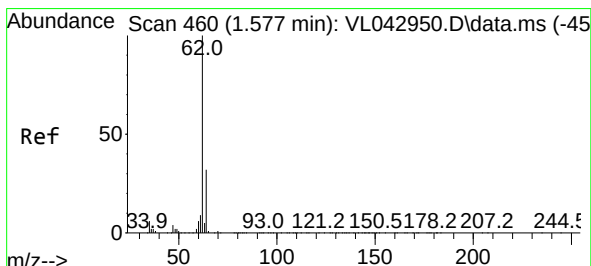
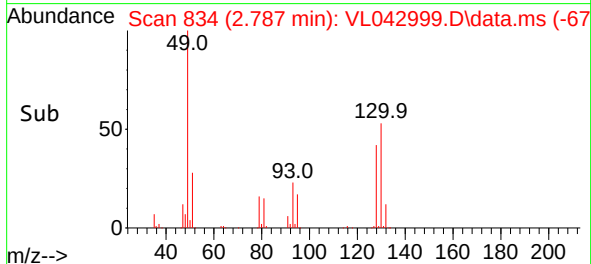
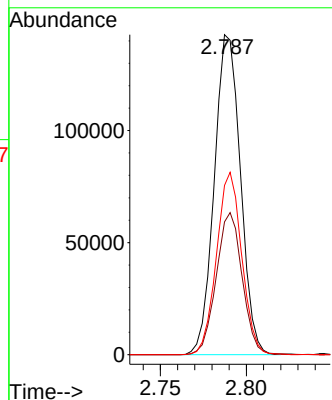
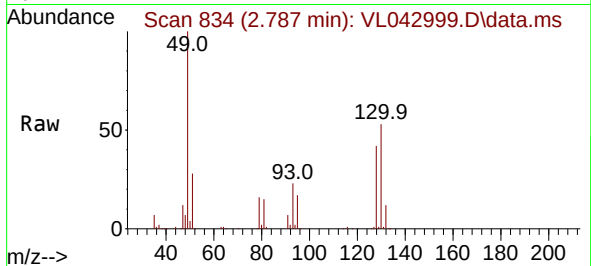
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

Tgt Ion: 49 Resp: 15114
Ion Ratio Lower Upper
49 100
128 44.0 22.9 68.8
130 54.9 29.1 87.3

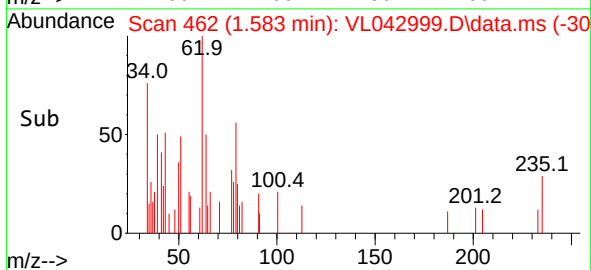
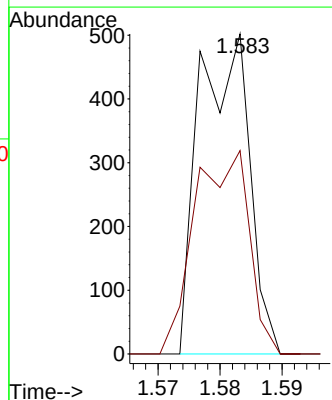
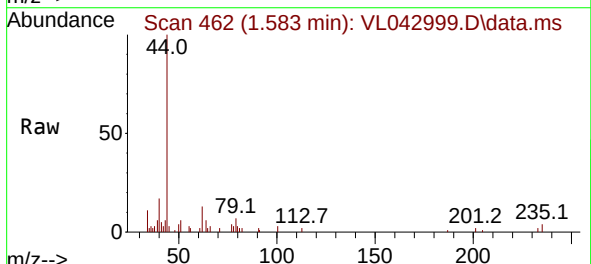
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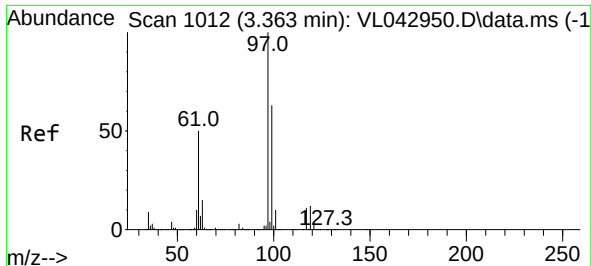
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#5
Vinyl Chloride
Concen: 0.034 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.007 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

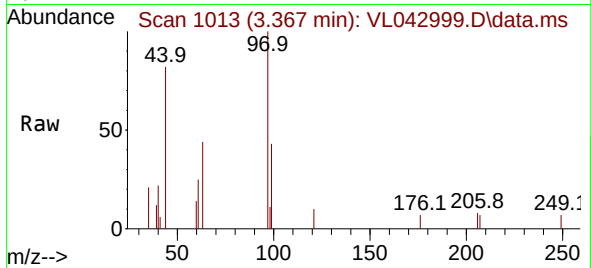
Tgt Ion: 62 Resp: 283
Ion Ratio Lower Upper
62 100
64 63.5 25.4 38.2#





#32
1,1,1-Trichloroethane
Concen: 0.031 ppbv m
RT: 3.367 min Scan# 1012
Delta R.T. 0.003 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

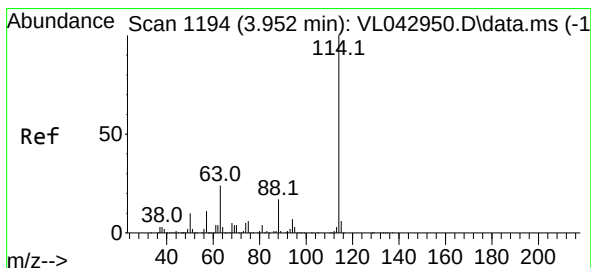
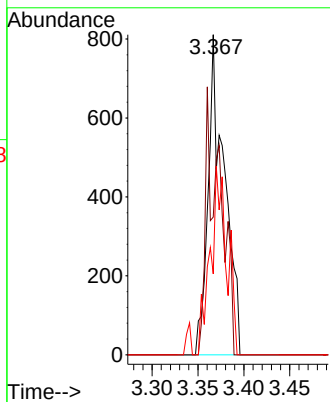
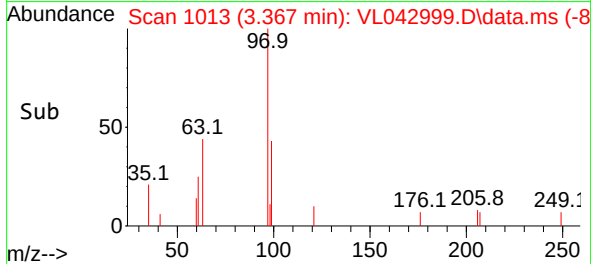
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion: 97 Resp: 1004
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7
61 62.0 39.8 59.6

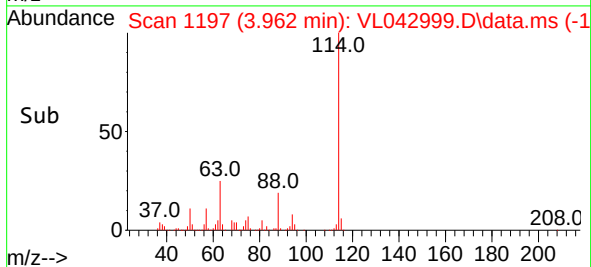
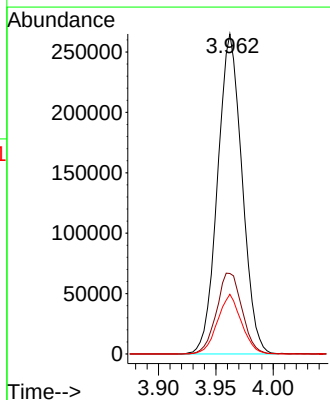
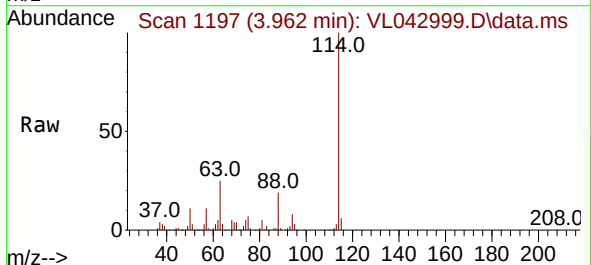
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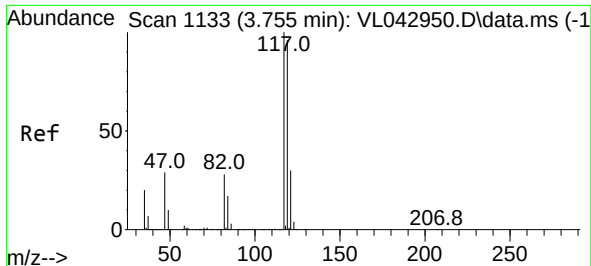
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.010 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

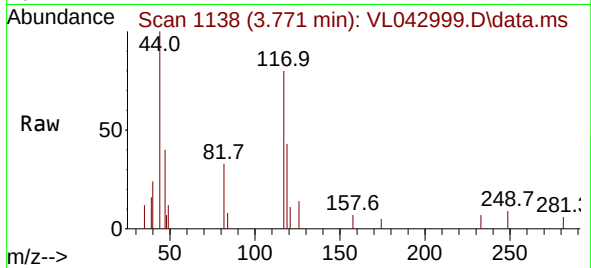
Tgt Ion:114 Resp: 392939
Ion Ratio Lower Upper
114 100
63 26.4 19.4 29.2
88 18.2 14.2 21.2





#35
Carbon Tetrachloride
Concen: 0.043 ppbv
RT: 3.771 min Scan# 1133
Delta R.T. 0.016 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

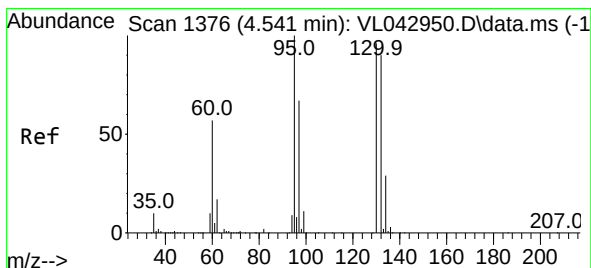
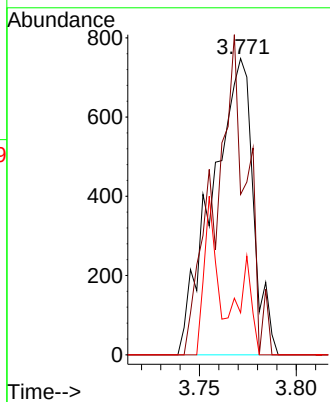
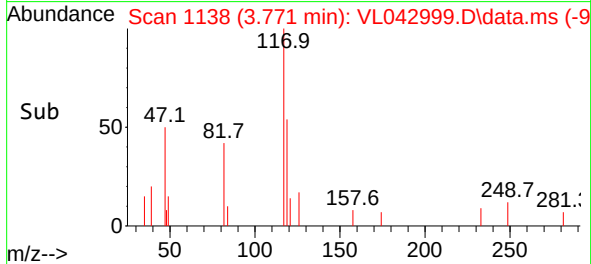
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion:117 Resp: 1092
Ion Ratio Lower Upper
117 100
119 54.1 76.9 115.3#
121 14.2 23.7 35.5#

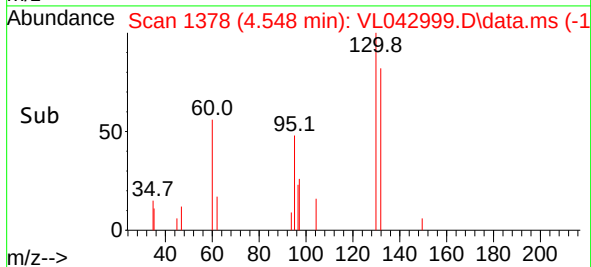
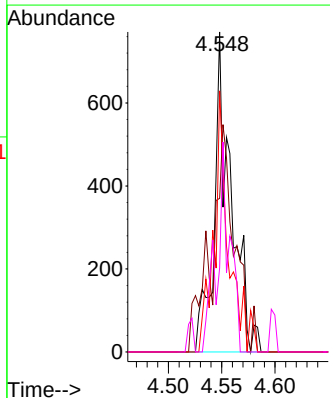
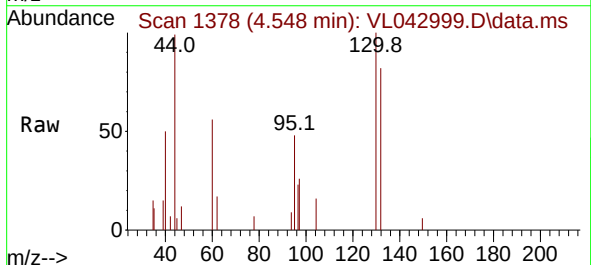
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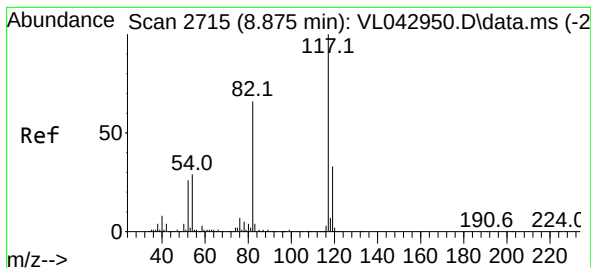
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#38
Trichloroethene
Concen: 0.046 ppbv m
RT: 4.548 min Scan# 1378
Delta R.T. 0.007 min
Lab File: VL042999.D
Acq: 23 Sep 2025 19:24

Tgt Ion:130 Resp: 851
Ion Ratio Lower Upper
130 100
95 48.0 83.0 124.4#
132 81.6 74.6 112.0
97 26.3 55.3 82.9#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL042999.D

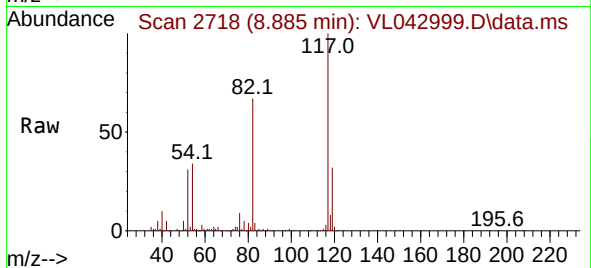
Acq: 23 Sep 2025 19:24

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT3-2025



Tgt Ion: 117 Resp: 34932

Ion Ratio Lower Upper

117 100

82 65.9 52.8 79.2

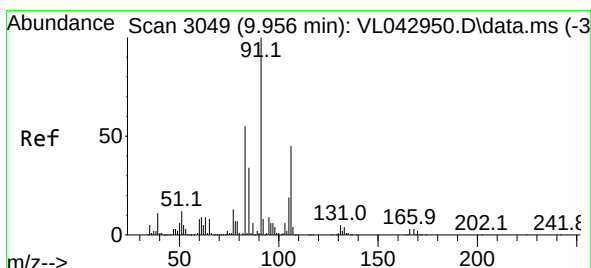
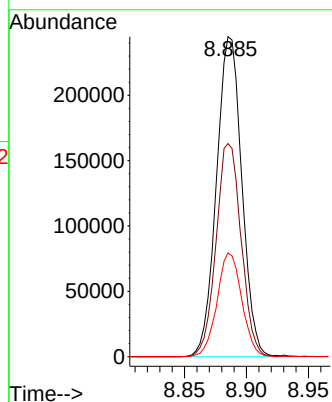
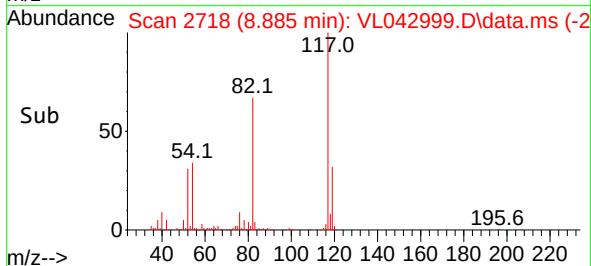
119 31.8 26.5 39.7

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#63

1,1,2,2-Tetrachloroethane

Concen: 0.040 ppbv m

RT: 9.973 min Scan# 3054

Delta R.T. 0.016 min

Lab File: VL042999.D

Acq: 23 Sep 2025 19:24

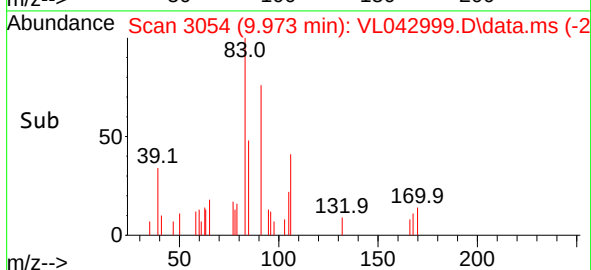
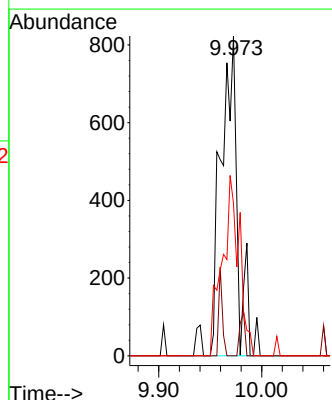
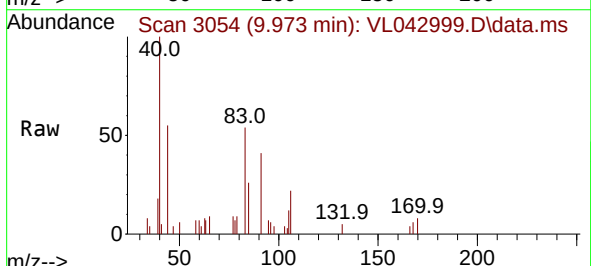
Tgt Ion: 83 Resp: 946

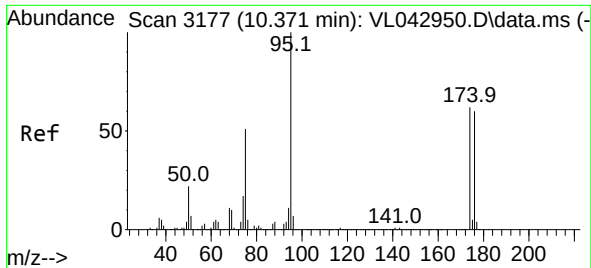
Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.4#

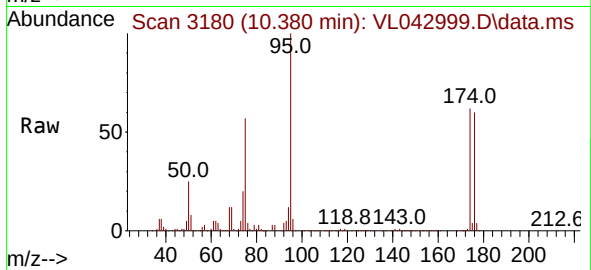
85 57.0 32.2 96.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.311 ppbv
 RT: 10.380 min Scan# 3177
 Delta R.T. 0.010 min
 Lab File: VL042999.D
 Acq: 23 Sep 2025 19:24

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT3-2025



Tgt Ion: 95 Resp: 26886
 Ion Ratio Lower Upper
 95 100
 174 59.4 51.4 77.2
 175 4.2 4.0 6.0

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