

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
 Data File : VL043153.D
 Acq On : 04 Nov 2025 13:31
 Operator : SY/MD
 Sample : Q3530-14 0.03 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2025

Quant Time: Nov 05 06:54:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 11/05/2025
 Supervised By : Mahesh Dadoda 11/07/2025

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

Internal Standards						
1) Bromochloromethane	2.787	49	109507	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	336404	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	291017	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	220810	9.762	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.600%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	234	0.039	ppbv	# 44
32) 1,1,1-Trichloroethane	3.373	97	1171m	0.046	ppbv	
35) Carbon Tetrachloride	3.758	117	1027m	0.042	ppbv	
52) Tetrachloroethene	8.224	164	503m	0.044	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.963	83	813	0.031	ppbv	95

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

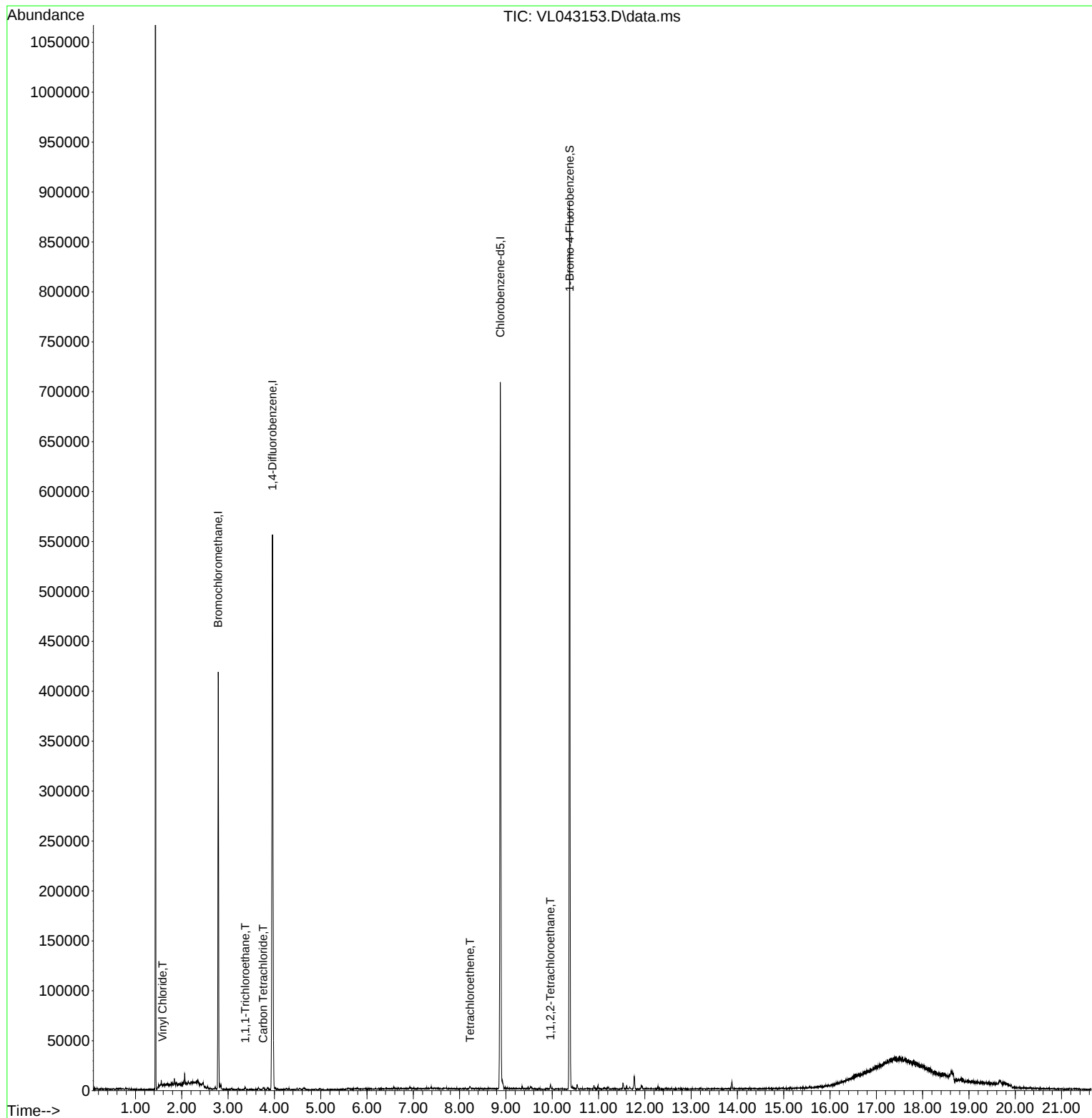
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
Data File : VL043153.D
Acq On : 04 Nov 2025 13:31
Operator : SY/MD
Sample : Q3530-14 0.03 LOQ
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

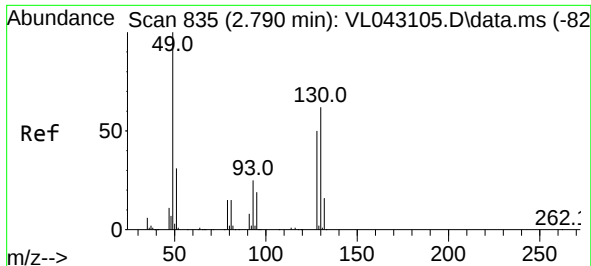
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

Quant Time: Nov 05 06:54:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

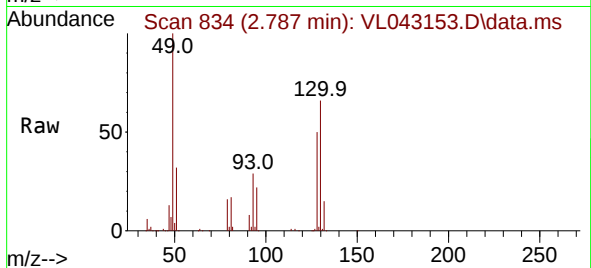
Reviewed By : Semsettin Yesilyurt 11/05/2025
Supervised By : Mahesh Dadoda 11/07/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043153.D
Acq: 04 Nov 2025 13:31

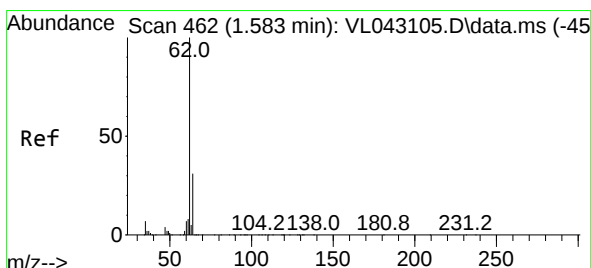
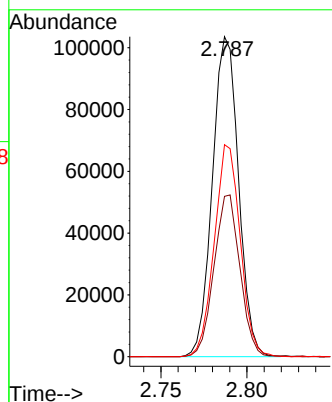
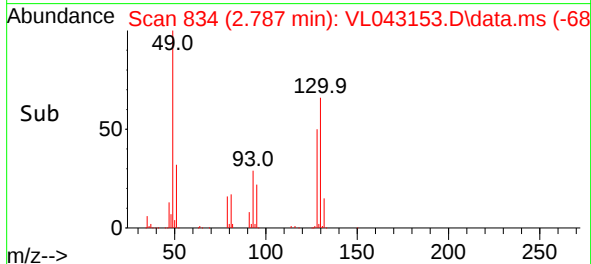
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion: 49 Resp: 10950
Ion Ratio Lower Upper
49 100
128 50.3 24.4 73.4
130 65.7 31.0 93.0

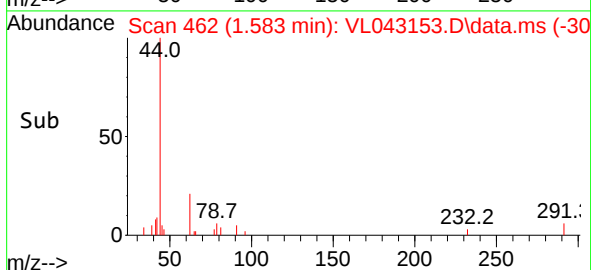
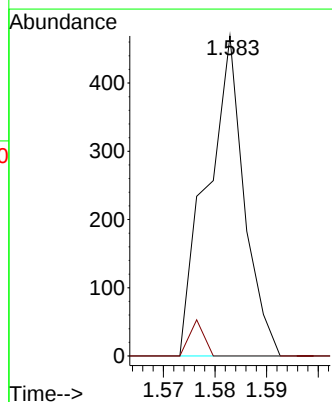
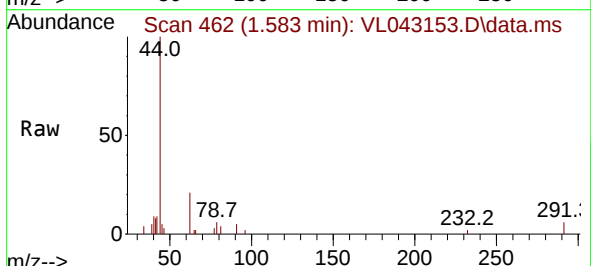
Manual Integrations
APPROVED

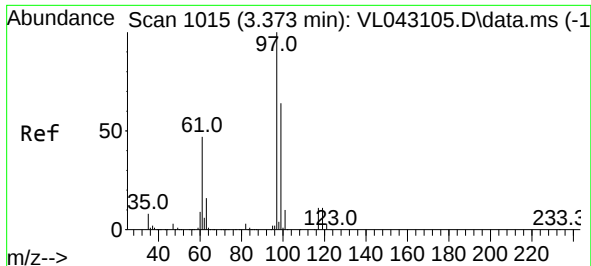
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#5
Vinyl Chloride
Concen: 0.039 ppbv
RT: 1.583 min Scan# 462
Delta R.T. -0.000 min
Lab File: VL043153.D
Acq: 04 Nov 2025 13:31

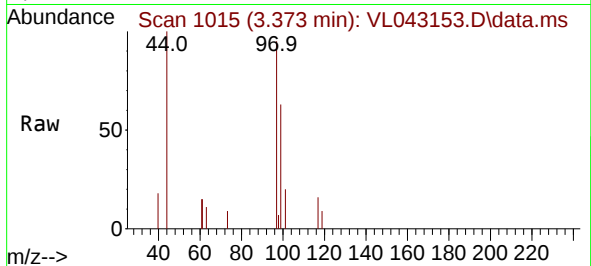
Tgt Ion: 62 Resp: 234
Ion Ratio Lower Upper
62 100
64 0.0 24.6 36.8#





#32
1,1,1-Trichloroethane
Concen: 0.046 ppbv m
RT: 3.373 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VL043153.D
Acq: 04 Nov 2025 13:31

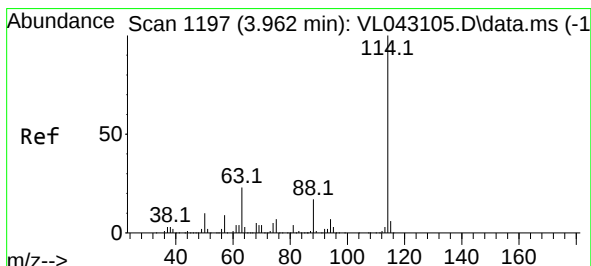
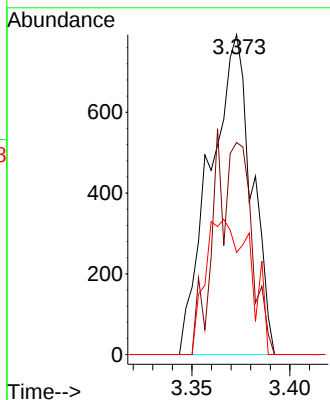
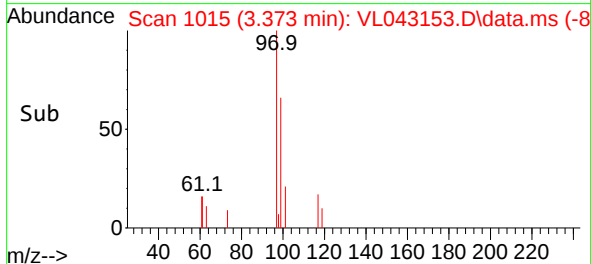
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion: 97 Resp: 117
Ion Ratio Lower Upper
97 100
99 0.0 51.3 76.9
61 0.0 38.4 57.6

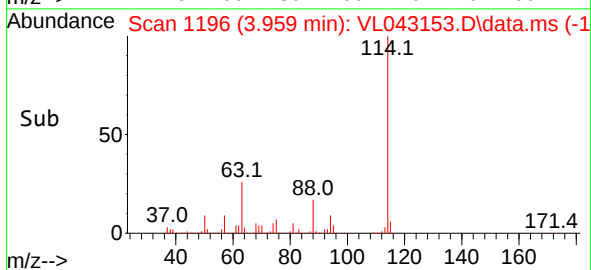
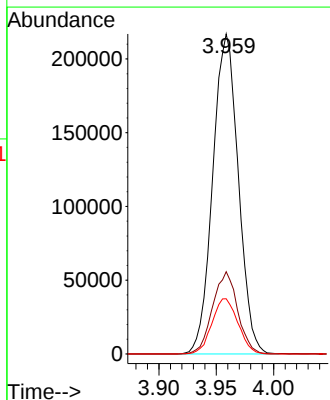
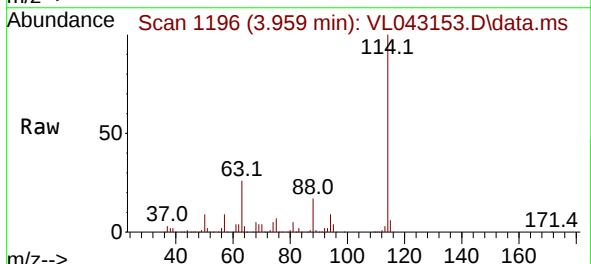
Manual Integrations
APPROVED

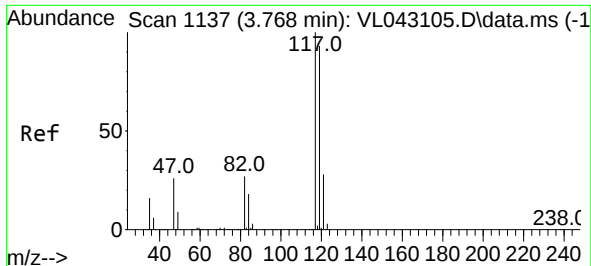
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.003 min
Lab File: VL043153.D
Acq: 04 Nov 2025 13:31

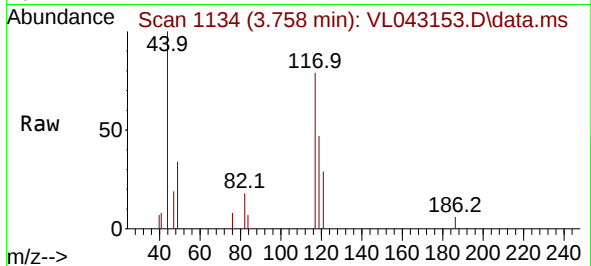
Tgt Ion:114 Resp: 336404
Ion Ratio Lower Upper
114 100
63 25.2 19.3 28.9
88 17.6 13.9 20.9





#35
Carbon Tetrachloride
Concen: 0.042 ppbv m
RT: 3.758 min Scan# 1137
Delta R.T. -0.010 min
Lab File: VL043153.D
Acq: 04 Nov 2025 13:31

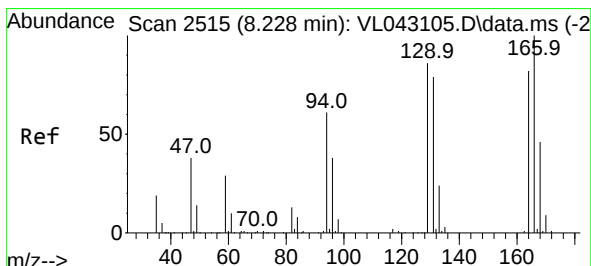
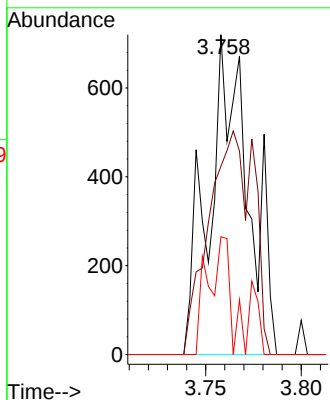
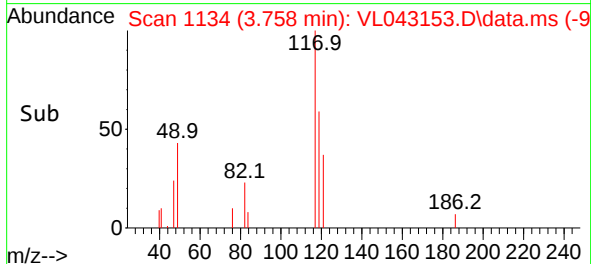
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion:117 Resp: 102
Ion Ratio Lower Upper
117 100
119 58.9 74.1 111.1#
121 36.8 22.2 33.2#

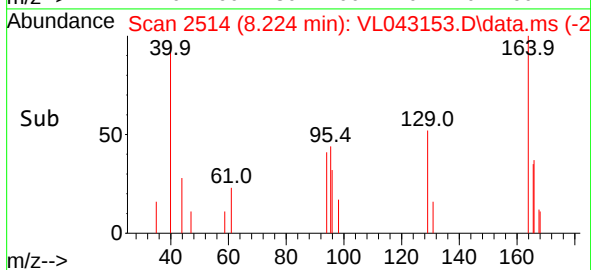
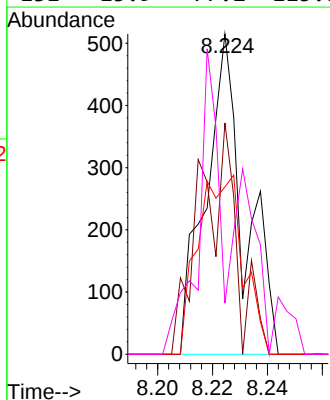
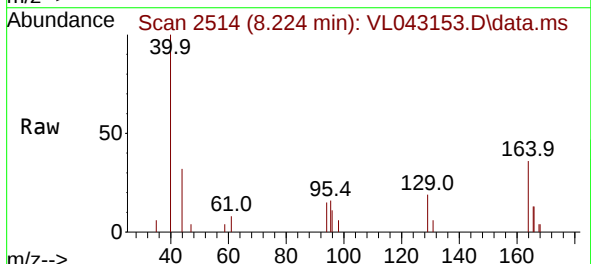
Manual Integrations
APPROVED

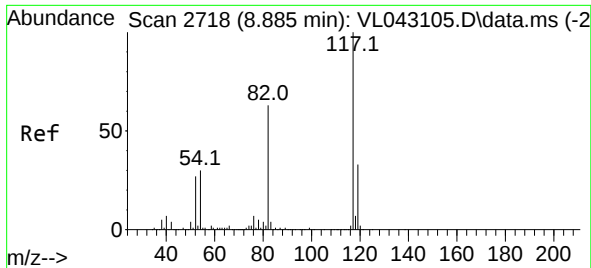
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#52
Tetrachloroethene
Concen: 0.044 ppbv m
RT: 8.224 min Scan# 2514
Delta R.T. -0.003 min
Lab File: VL043153.D
Acq: 04 Nov 2025 13:31

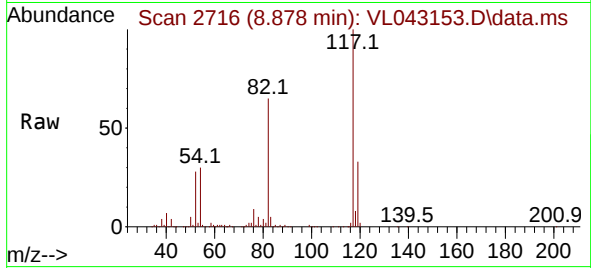
Tgt Ion:164 Resp: 503
Ion Ratio Lower Upper
164 100
166 36.9 97.6 146.4#
129 52.2 84.5 126.7#
131 15.9 77.2 115.8#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 2716
Delta R.T. -0.007 min
Lab File: VL043153.D
Acq: 04 Nov 2025 13:31

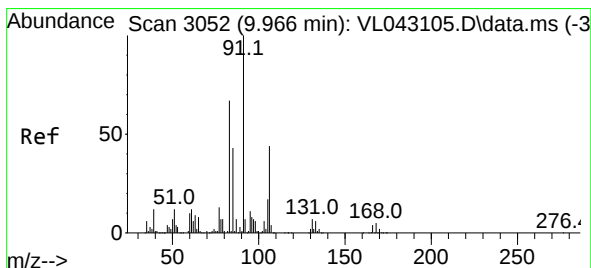
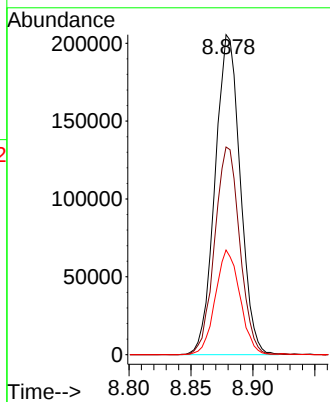
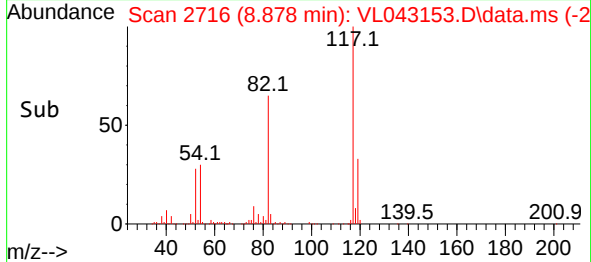
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion: 117 Resp: 29101
Ion Ratio Lower Upper
117 100
82 64.8 53.8 80.8
119 32.2 25.4 38.0

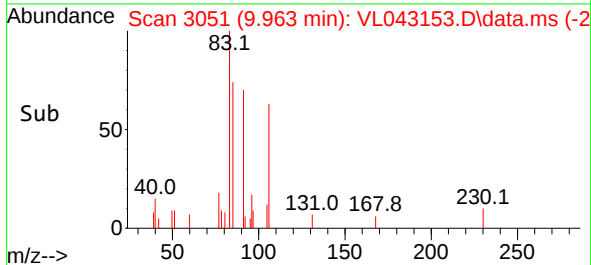
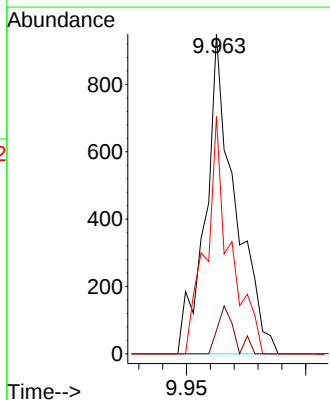
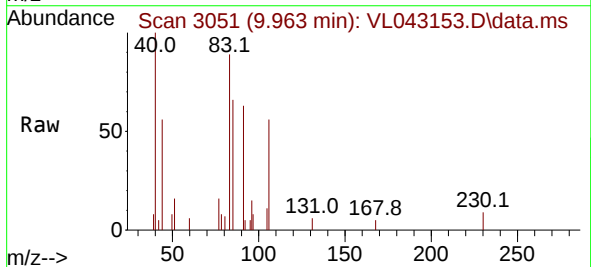
Manual Integrations
APPROVED

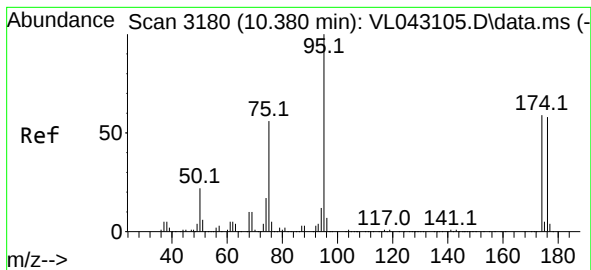
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.031 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.003 min
Lab File: VL043153.D
Acq: 04 Nov 2025 13:31

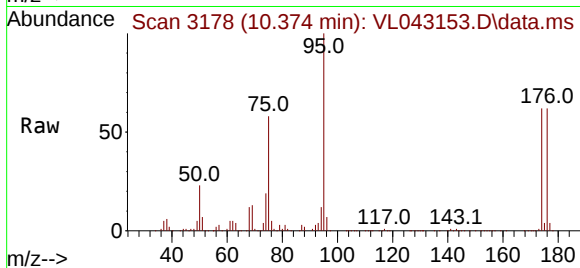
Tgt Ion: 83 Resp: 813
Ion Ratio Lower Upper
83 100
131 8.5 4.8 14.3
85 60.1 32.0 96.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.762 ppbv
 RT: 10.374 min Scan# 31
 Delta R.T. -0.007 min
 Lab File: VL043153.D
 Acq: 04 Nov 2025 13:31

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2025



Tgt Ion: 95 Resp: 220810
 Ion Ratio Lower Upper
 95 100
 174 65.7 48.3 72.5
 175 4.8 3.8 5.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025

