

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100625\
 Data File : VL043052.D
 Acq On : 06 Oct 2025 14:11
 Operator : SY/MD
 Sample : Q2893-14 0.03 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/08/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 07 01:39:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Oct 07 01:38:24 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	174188	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	473182	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.875	117	378982	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	259613	9.509	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.100%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	431	0.042	ppbv #	80
32) 1,1,1-Trichloroethane	3.366	97	1365	0.035	ppbv #	92
35) Carbon Tetrachloride	3.752	117	1483m	0.038	ppbv	
38) Trichloroethene	4.541	130	609m	0.032	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.959	83	1167	0.033	ppbv	97

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

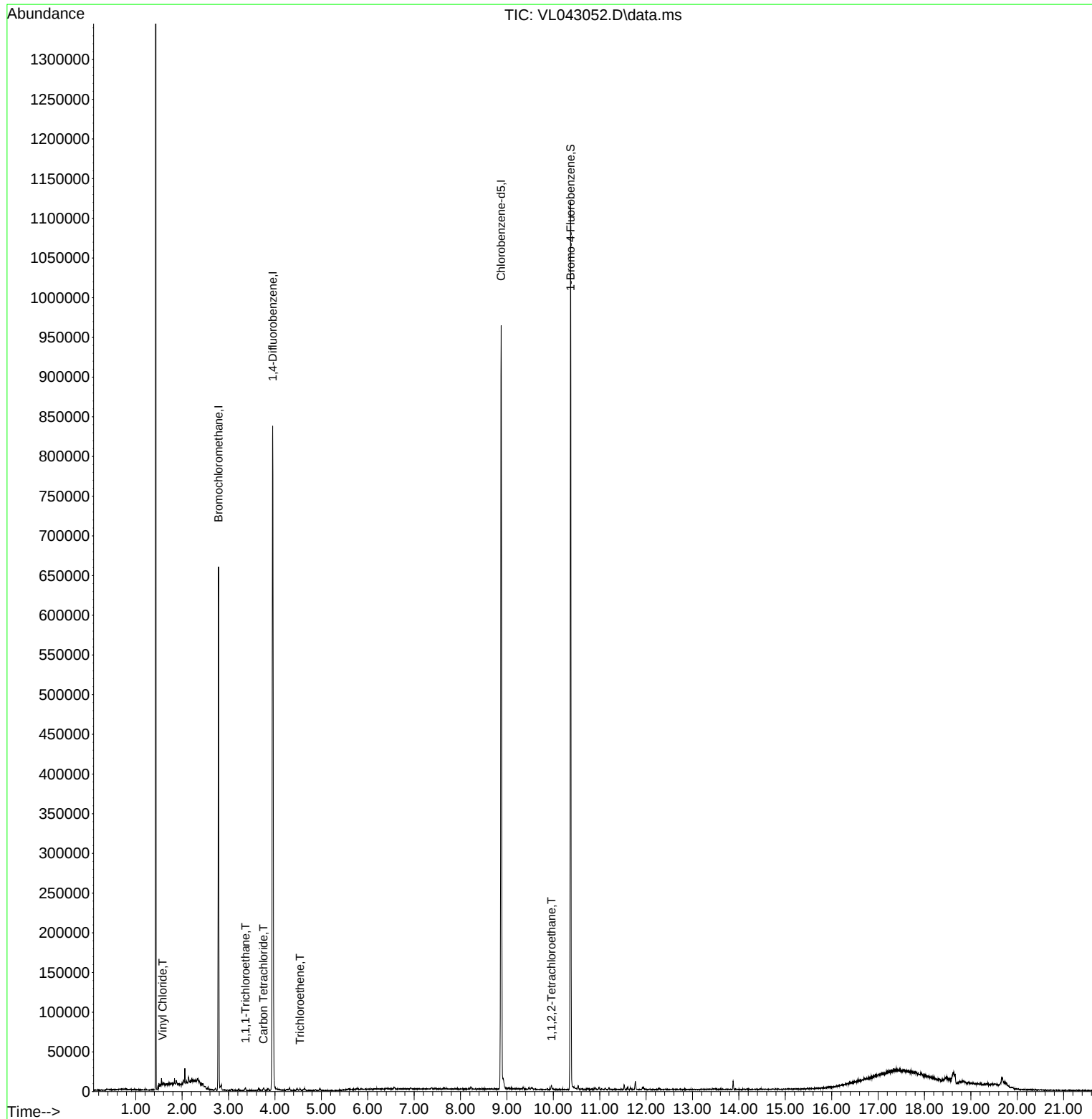
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100625\
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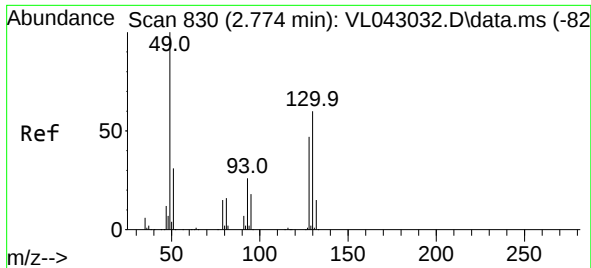
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025

Quant Time: Oct 07 01:39:58 2025
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QLast Update : Tue Oct 07 01:38:24 2025
Response via : Initial Calibration

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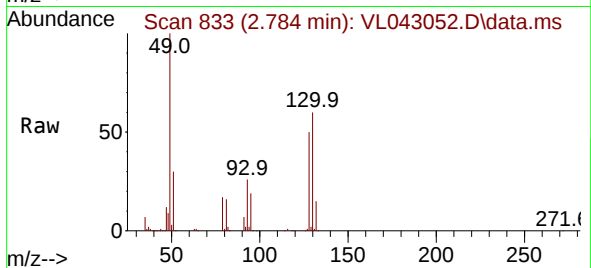
Reviewed By : Semsettin Yesilyurt 10/08/2025
Supervised By : Mahesh Dadoda 10/10/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

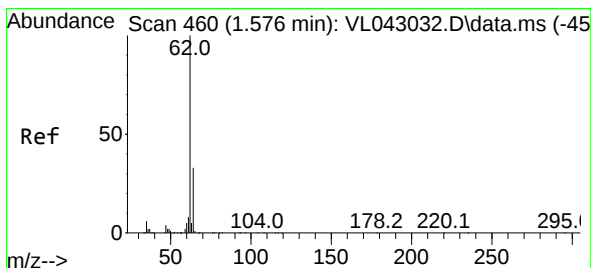
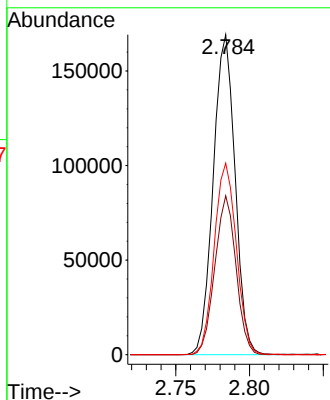
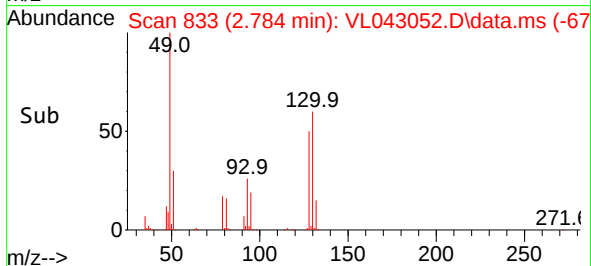
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion: 49 Resp: 17418
Ion Ratio Lower Upper
49 100
128 48.1 24.1 72.2
130 60.8 31.4 94.3

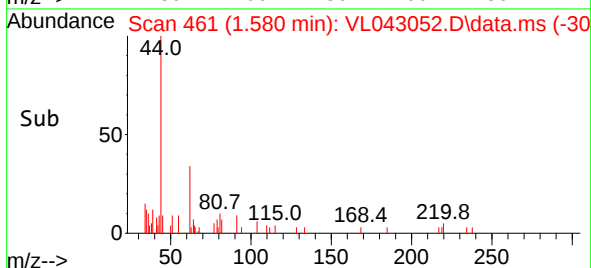
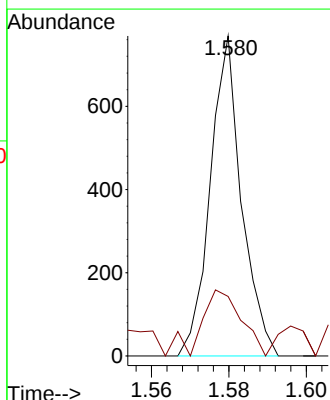
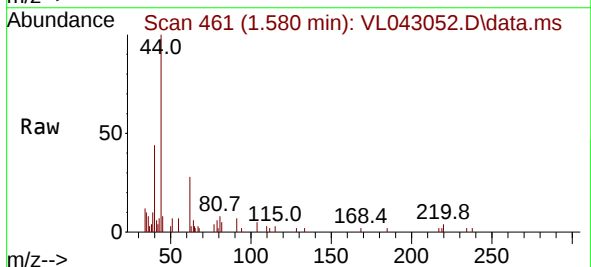
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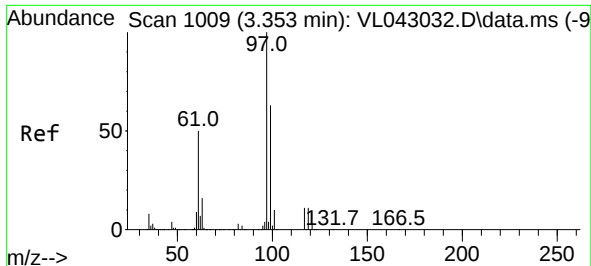
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#5
Vinyl Chloride
Concen: 0.042 ppbv
RT: 1.580 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

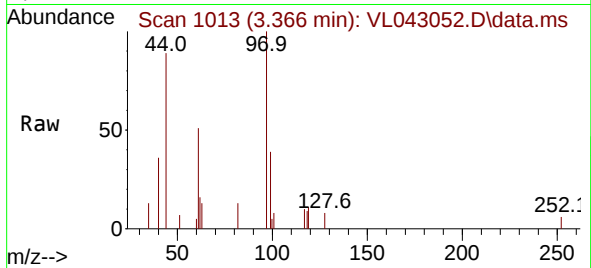
Tgt Ion: 62 Resp: 431
Ion Ratio Lower Upper
62 100
64 21.5 26.2 39.2#





#32
1,1,1-Trichloroethane
Concen: 0.035 ppbv
RT: 3.366 min Scan# 1013
Delta R.T. 0.013 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

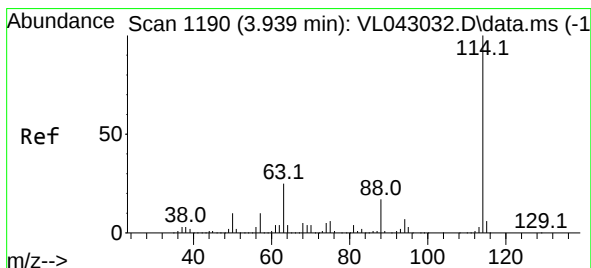
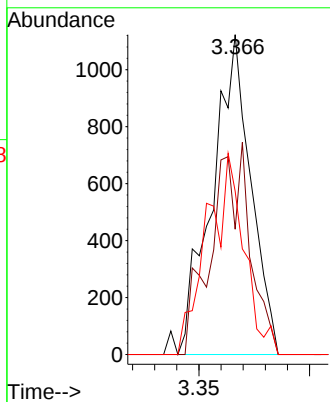
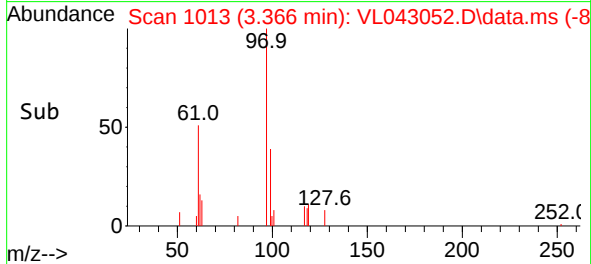
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion: 97 Resp: 136
Ion Ratio Lower Upper
97 100
99 65.5 51.2 76.8
61 60.3 40.1 60.1

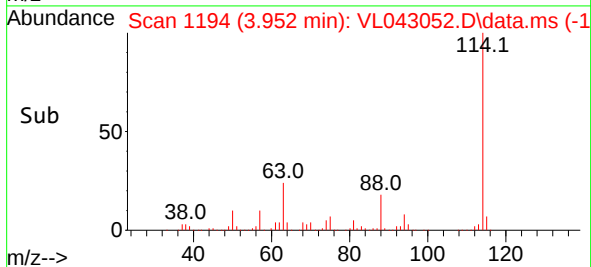
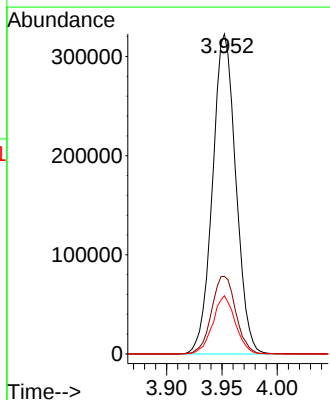
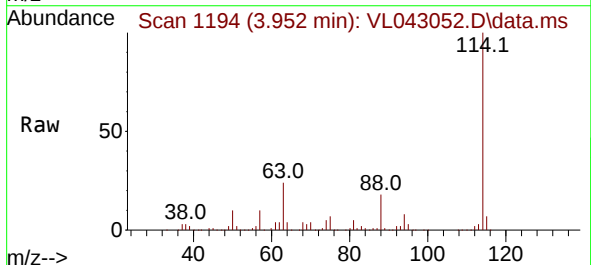
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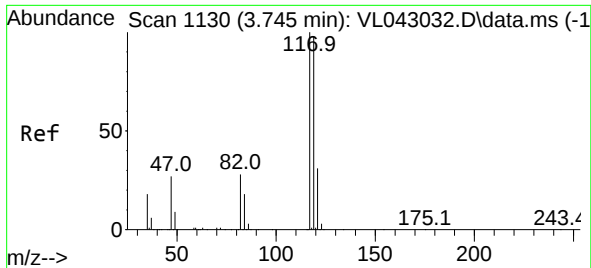
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.952 min Scan# 1194
Delta R.T. 0.013 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

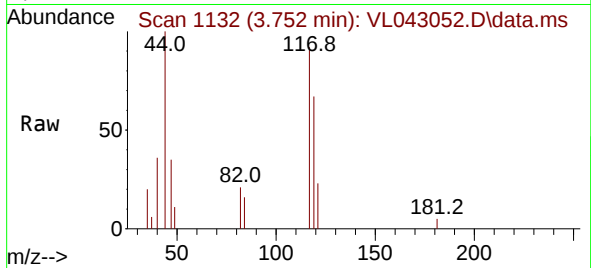
Tgt Ion:114 Resp: 473182
Ion Ratio Lower Upper
114 100
63 25.4 19.4 29.2
88 17.6 13.9 20.9





#35
Carbon Tetrachloride
Concen: 0.038 ppbv m
RT: 3.752 min Scan# 1130
Delta R.T. 0.007 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

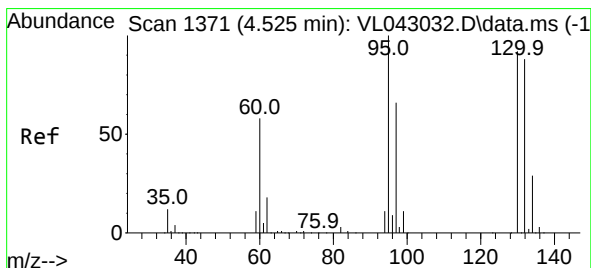
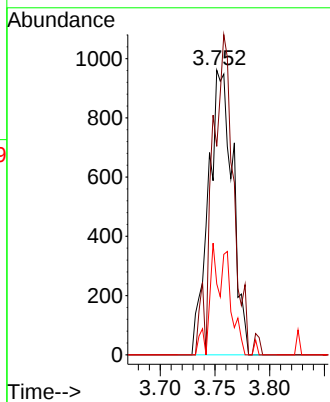
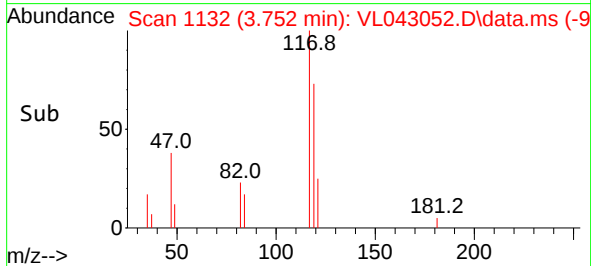
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion:117 Resp: 148
Ion Ratio Lower Upper
117 100
119 73.3 78.2 117.4#
121 24.9 24.8 37.2

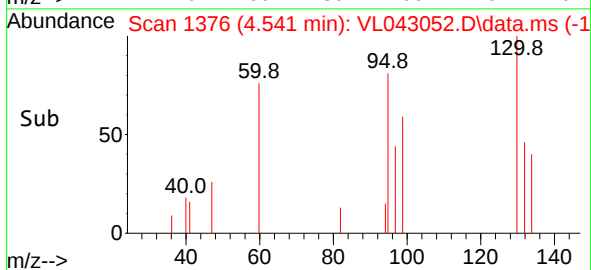
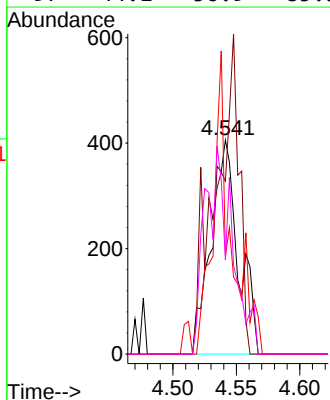
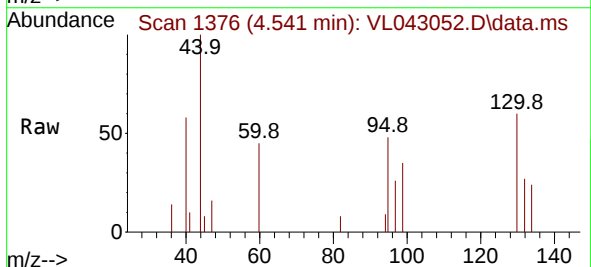
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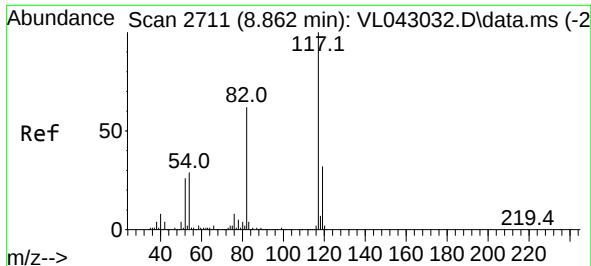
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#38
Trichloroethene
Concen: 0.032 ppbv m
RT: 4.541 min Scan# 1376
Delta R.T. 0.016 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

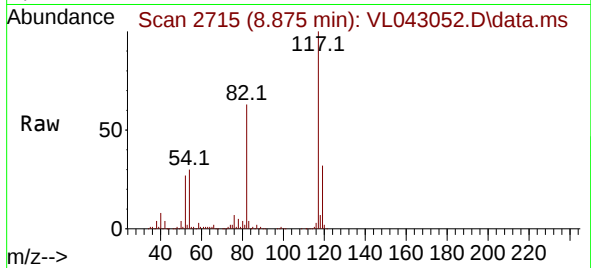
Tgt Ion:130 Resp: 609
Ion Ratio Lower Upper
130 100
95 80.8 86.4 129.6#
132 45.8 75.7 113.5#
97 44.1 56.9 85.3#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

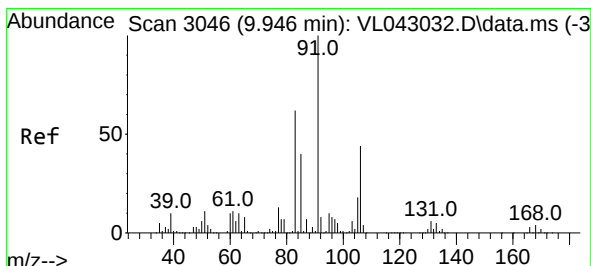
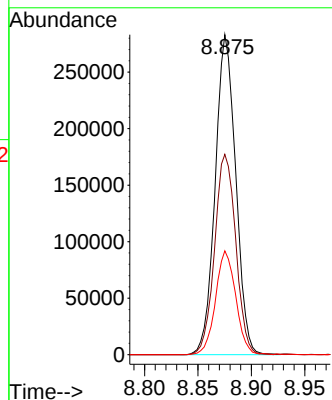
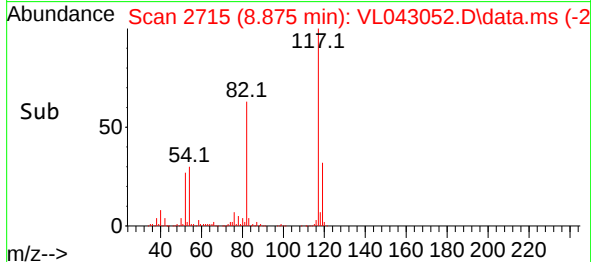
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT3-2025



Tgt Ion:117 Resp: 37898
Ion Ratio Lower Upper
117 100
82 64.6 53.0 79.6
119 32.2 25.4 38.2

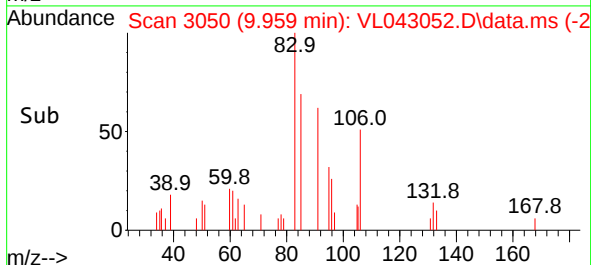
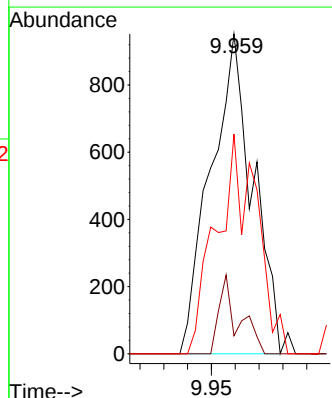
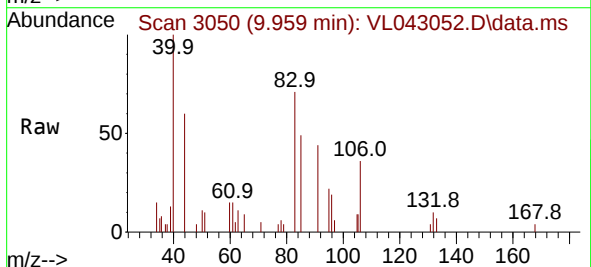
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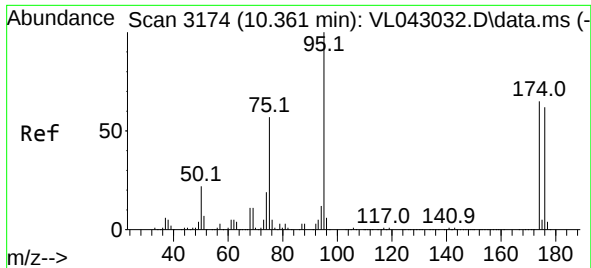
Reviewed By :Semsettin Yesilyurt 10/08/2025
Supervised By :Mahesh Dadoda 10/10/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.033 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. 0.013 min
Lab File: VL043052.D
Acq: 06 Oct 2025 14:11

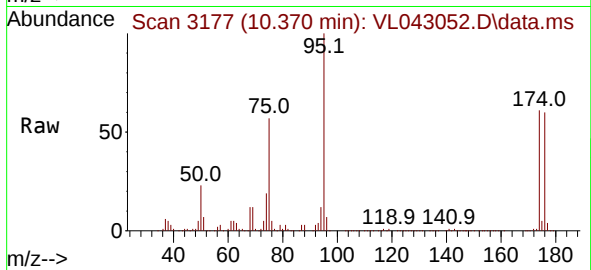
Tgt Ion: 83 Resp: 1167
Ion Ratio Lower Upper
83 100
131 11.3 4.7 14.1
85 66.2 32.0 96.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.509 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. 0.010 min
 Lab File: VL043052.D
 Acq: 06 Oct 2025 14:11

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



Tgt Ion: 95 Resp: 259611
 Ion Ratio Lower Upper
 95 100
 174 64.5 52.3 78.5
 175 4.7 3.8 5.8

Manual Integrations
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