

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092325\
 Data File : VL042997.D
 Acq On : 23 Sep 2025 18:12
 Operator : SY/MD
 Sample : Q2893-13 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT3-2025

Quant Time: Sep 24 02:27:45 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	149469	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	400105	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	349479	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	268708	10.300	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.000%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	837	0.102	ppbv	# 77
32) 1,1,1-Trichloroethane	3.370	97	2986m	0.094	ppbv	
35) Carbon Tetrachloride	3.768	117	2981m	0.114	ppbv	
38) Trichloroethene	4.554	130	1833m	0.098	ppbv	
52) Tetrachloroethene	8.225	164	1418m	0.098	ppbv	
54) 1,2-Dibromoethane	7.665	107	2204m	0.108	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.969	83	2709	0.114	ppbv	96
79) Naphthalene	13.516	128	2055m	0.046	ppbv	

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

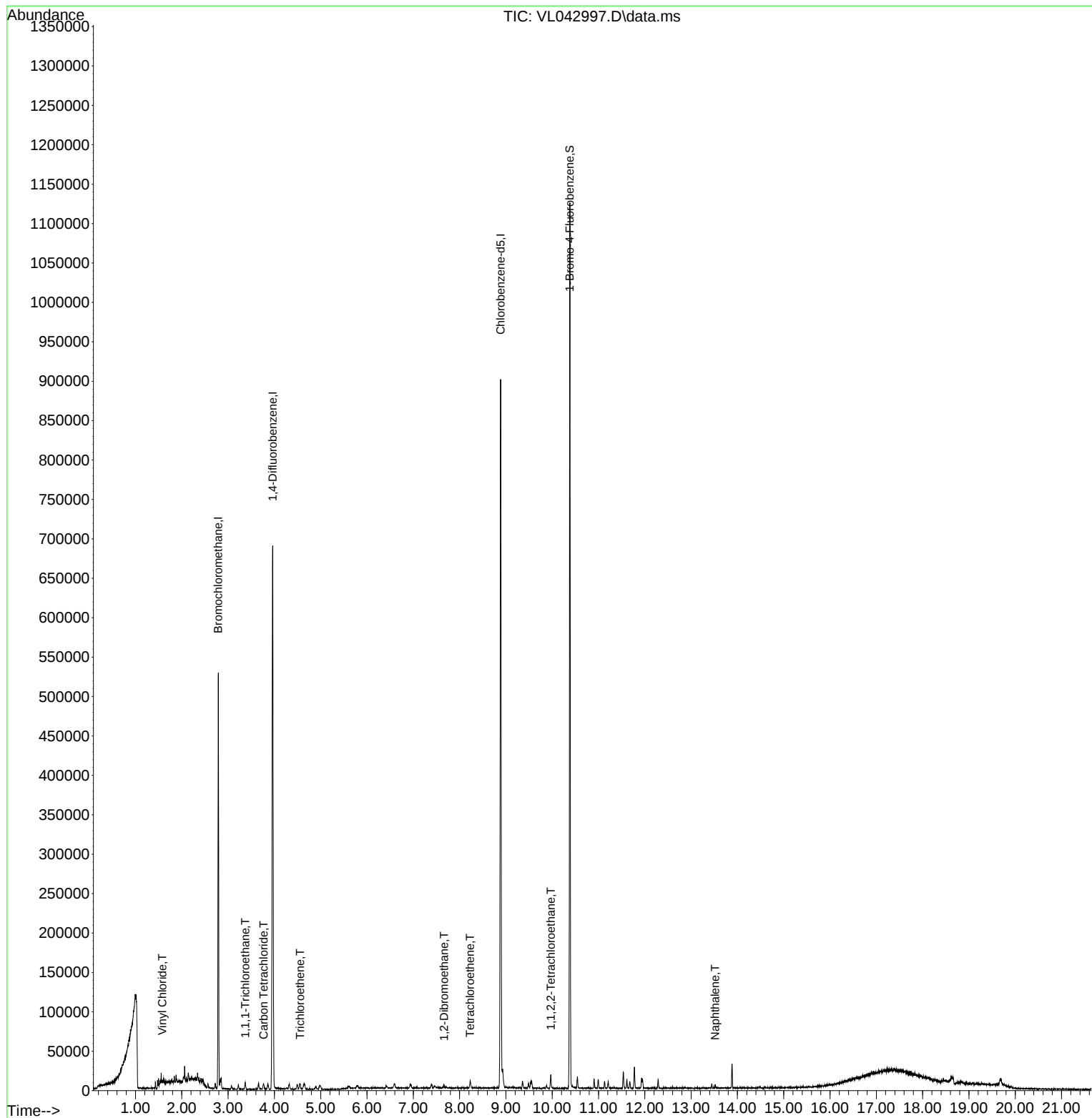
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Data File : VL042997.D
Acq On : 23 Sep 2025 18:12
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Sample : Q2893-13 0.1
Misc : 400mL/MSVOA_L
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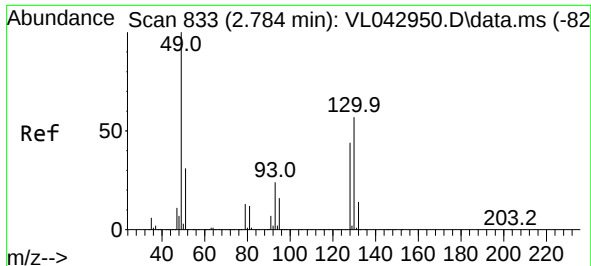
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025

Quant Time: Sep 24 02:27:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Sep 24 02:23:20 2025
Response via : Initial Calibration

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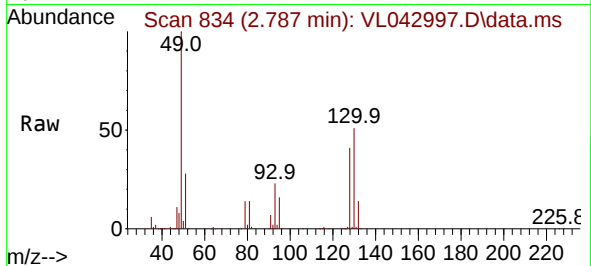
Reviewed By : Semsettin Yesilyurt 09/24/2025
Supervised By : Mahesh Dadoda 09/26/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 833
Delta R.T. 0.003 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

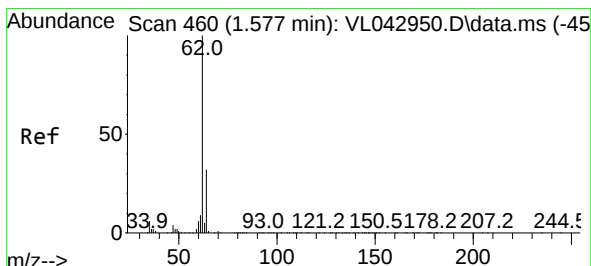
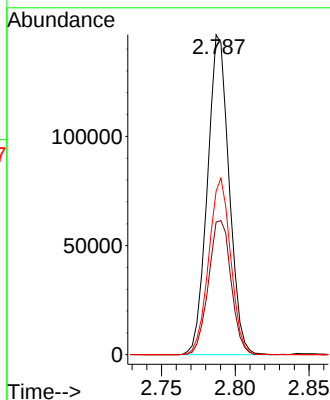
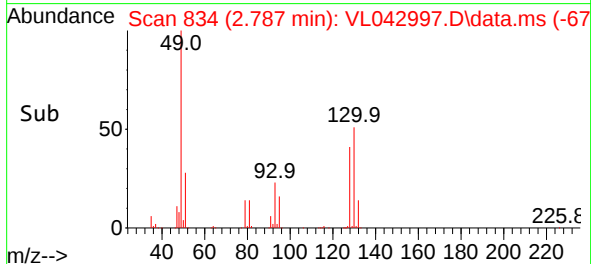
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 49 Resp: 149469
Ion Ratio Lower Upper
49 100
128 43.9 22.9 68.8
130 55.9 29.1 87.3

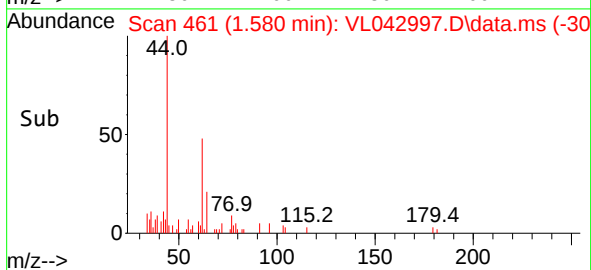
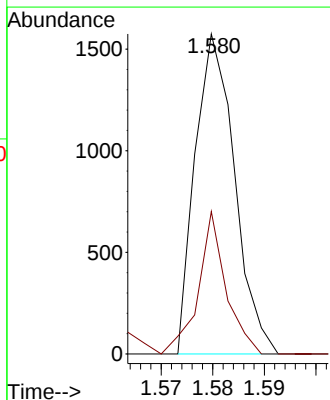
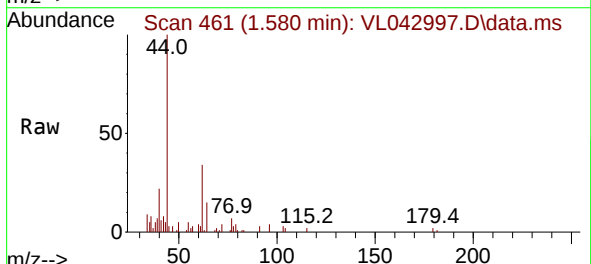
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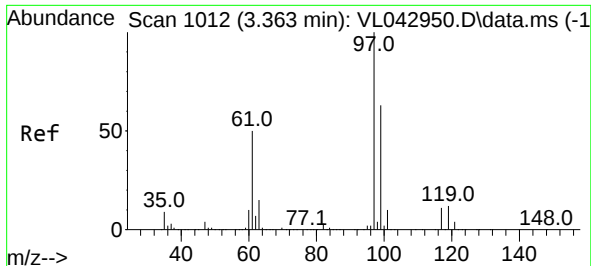
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#5
Vinyl Chloride
Concen: 0.102 ppbv
RT: 1.580 min Scan# 461
Delta R.T. 0.003 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion: 62 Resp: 837
Ion Ratio Lower Upper
62 100
64 44.5 25.4 38.2#





#32

1,1,1-Trichloroethane

Concen: 0.094 ppbv m

RT: 3.370 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

Instrument :

MSVOA_L

ClientSampleId :

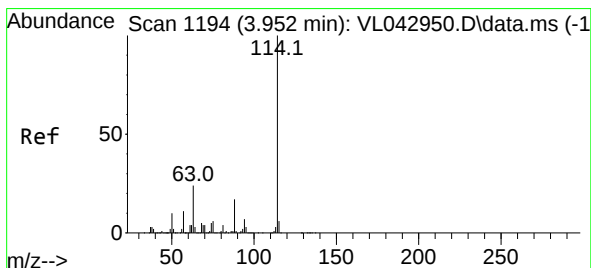
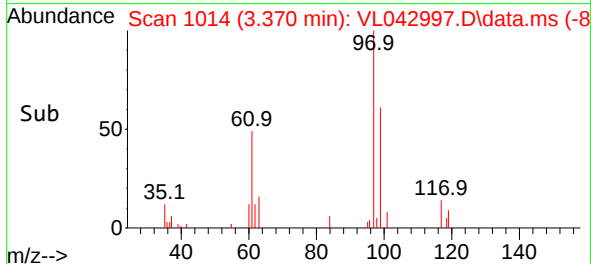
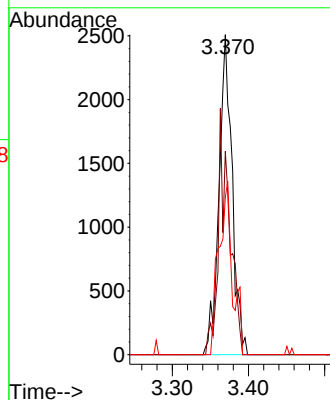
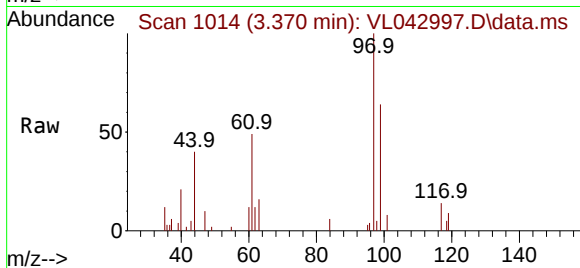
LOD-MDL-AIR-01-QT3-2025

Tgt Ion: 97	Resp: 298
Ion Ratio	Lower Upper
97 100	
99 66.8	51.1 76.7
61 57.1	39.8 59.6

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

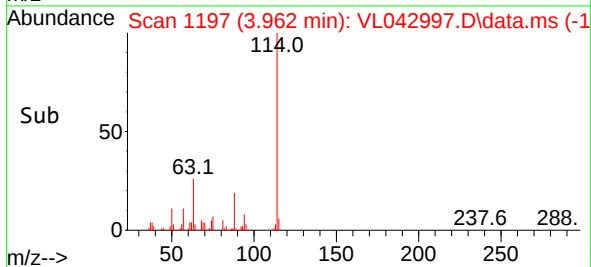
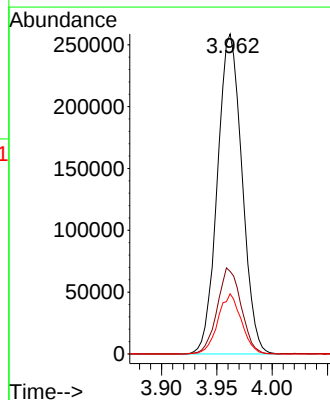
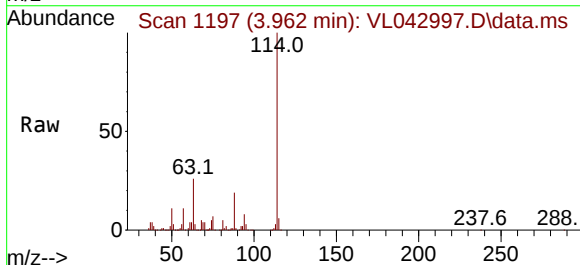
RT: 3.962 min Scan# 1197

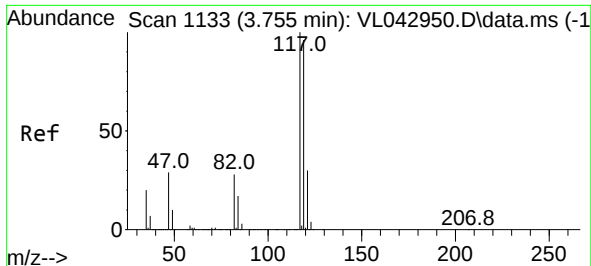
Delta R.T. 0.010 min

Lab File: VL042997.D

Acq: 23 Sep 2025 18:12

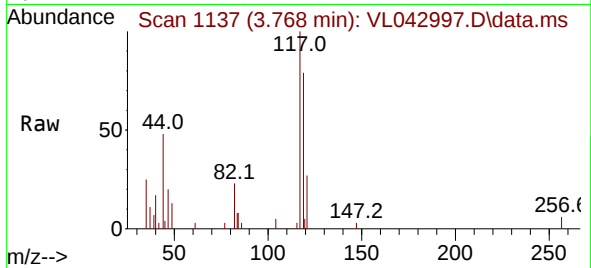
Tgt Ion:114	Resp: 400105
Ion Ratio	Lower Upper
114 100	
63 26.1	19.4 29.2
88 17.9	14.2 21.2





#35
Carbon Tetrachloride
Concen: 0.114 ppbv m
RT: 3.768 min Scan# 1133
Delta R.T. 0.013 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

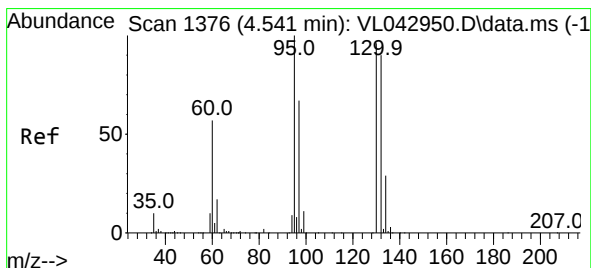
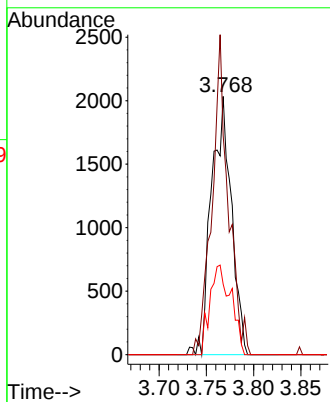
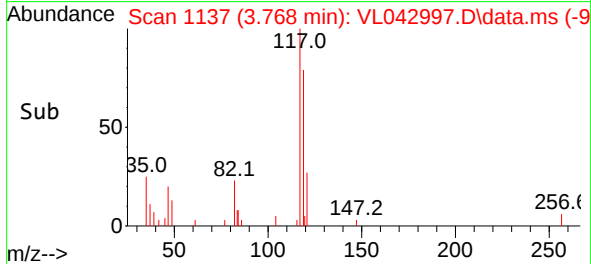
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion:117 Resp: 298
Ion Ratio Lower Upper
117 100
119 79.4 76.9 115.3
121 27.3 23.7 35.5

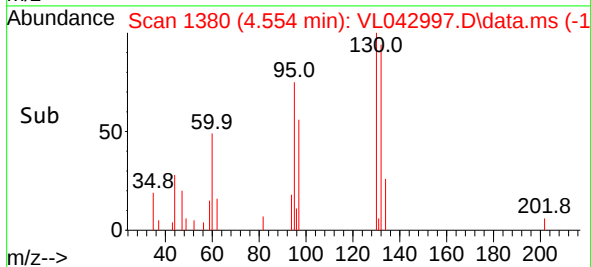
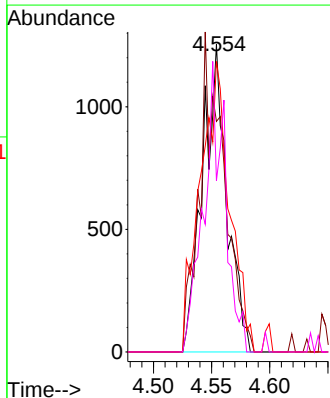
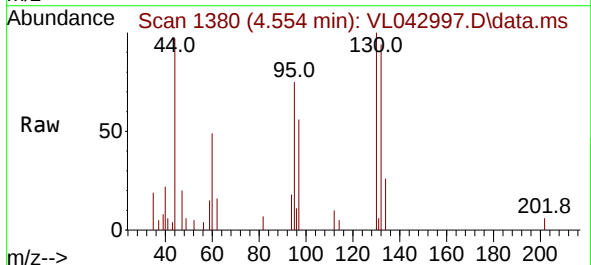
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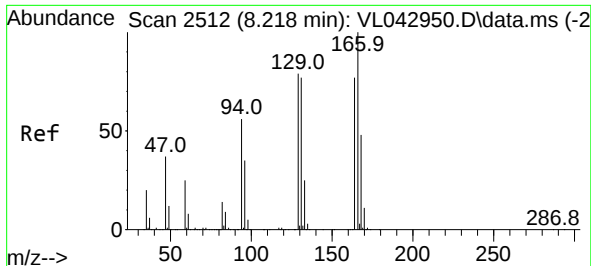
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#38
Trichloroethene
Concen: 0.098 ppbv m
RT: 4.554 min Scan# 1380
Delta R.T. 0.013 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

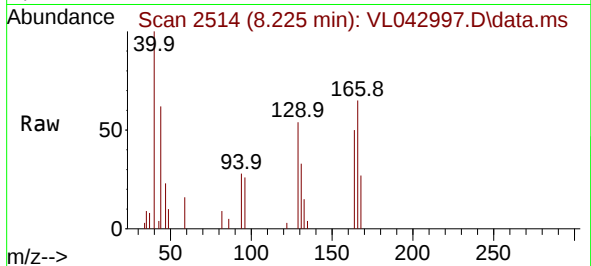
Tgt Ion:130 Resp: 1833
Ion Ratio Lower Upper
130 100
95 74.9 83.0 124.4#
132 94.3 74.6 112.0
97 55.7 55.3 82.9





#52
Tetrachloroethene
Concen: 0.098 ppbv m
RT: 8.225 min Scan# 2512
Delta R.T. 0.006 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

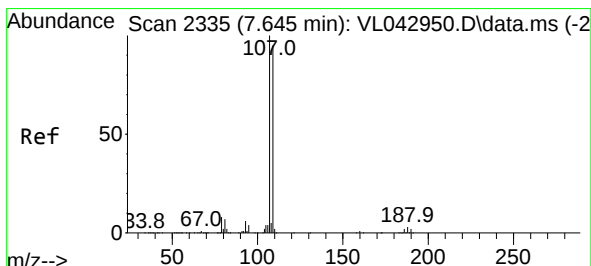
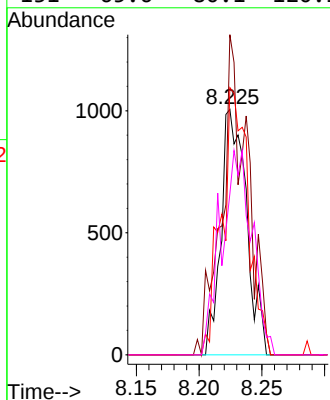
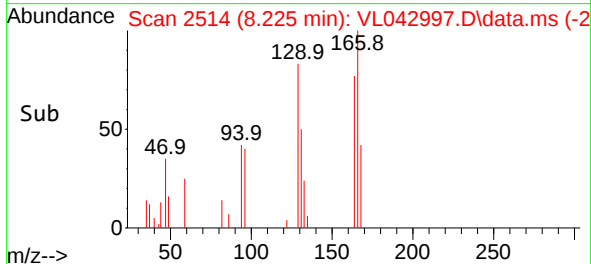
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion:164 Resp: 1418
Ion Ratio Lower Upper
164 100
166 130.4 103.5 155.3
129 108.8 82.2 123.4
131 65.6 80.1 120.1#

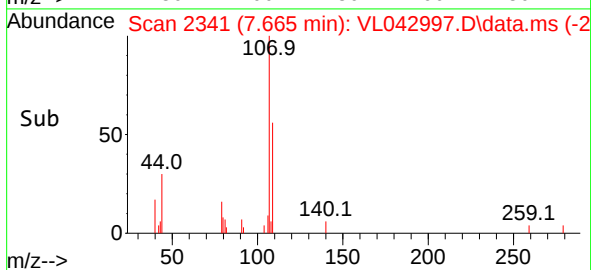
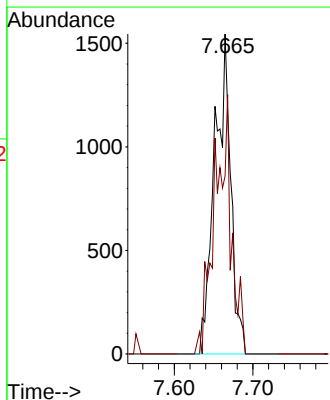
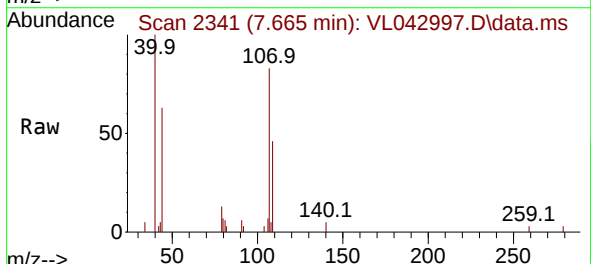
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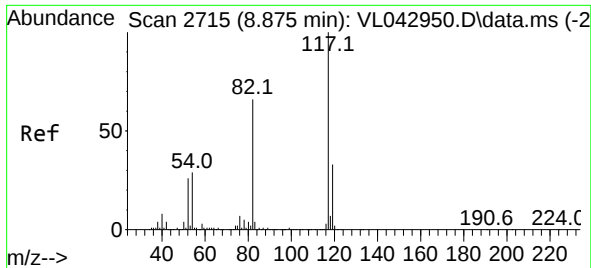
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#54
1,2-Dibromoethane
Concen: 0.108 ppbv m
RT: 7.665 min Scan# 2341
Delta R.T. 0.019 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

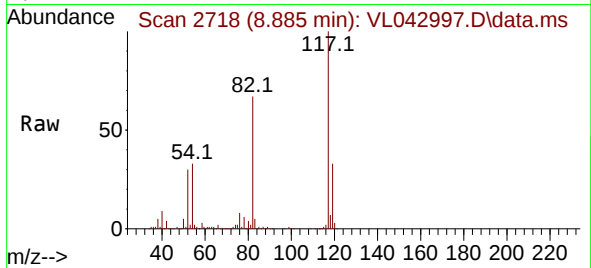
Tgt Ion:107 Resp: 2204
Ion Ratio Lower Upper
107 100
109 55.6 75.8 113.8#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

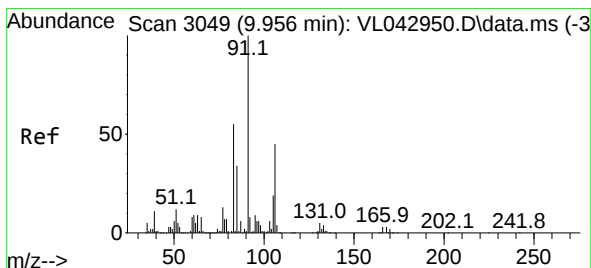
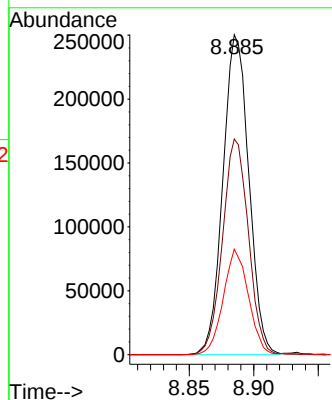
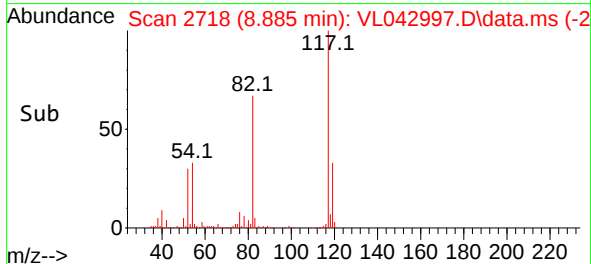
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 117 Resp: 349479
Ion Ratio Lower Upper
117 100
82 67.4 52.8 79.2
119 32.4 26.5 39.7

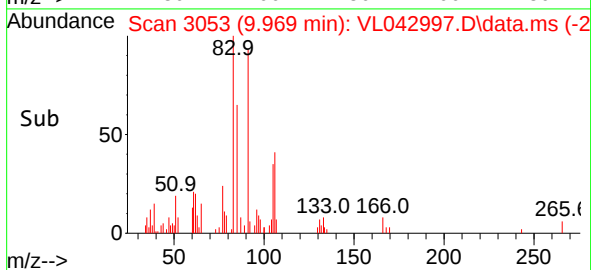
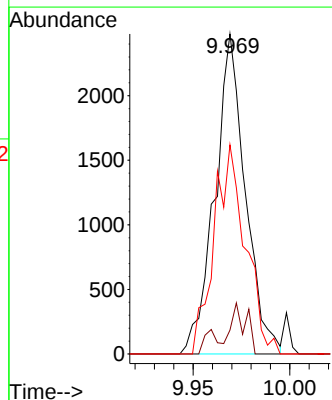
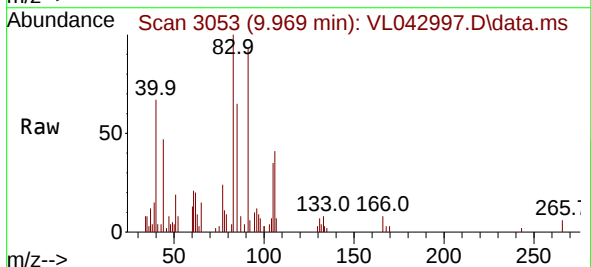
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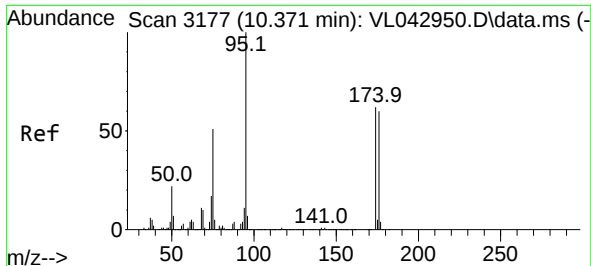
Reviewed By :Semsettin Yesilyurt 09/24/2025
Supervised By :Mahesh Dadoda 09/26/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.114 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.013 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

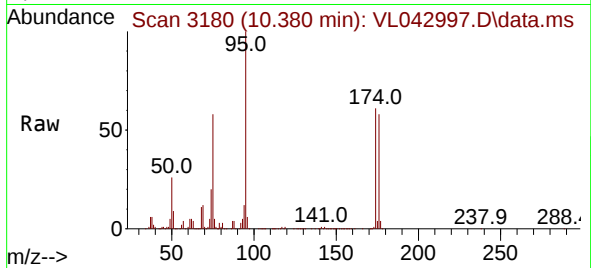
Tgt Ion: 83 Resp: 2709
Ion Ratio Lower Upper
83 100
131 11.3 4.8 14.4
85 67.8 32.2 96.6





#68
1-Bromo-4-Fluorobenzene
Concen: 10.300 ppbv
RT: 10.380 min Scan# 3177
Delta R.T. 0.010 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

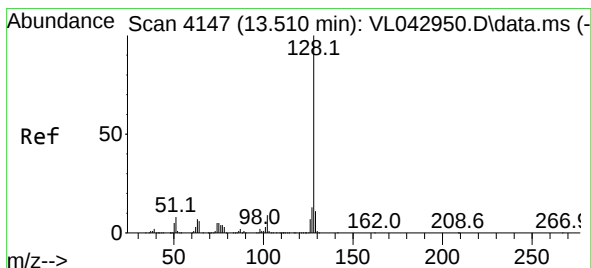
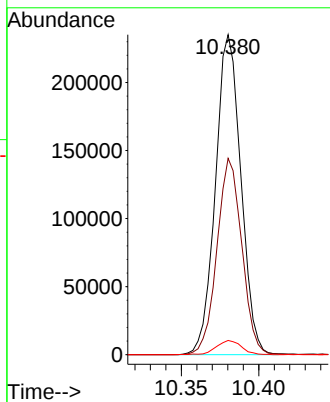
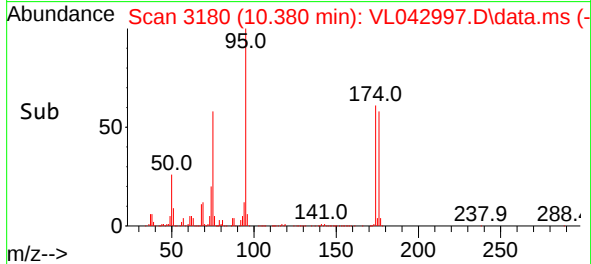
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT3-2025



Tgt Ion: 95 Resp: 268708
Ion Ratio Lower Upper
95 100
174 60.0 51.4 77.2
175 4.4 4.0 6.0

Manual Integrations
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Supervised By :Mahesh Dadoda 09/26/2025



#79
Naphthalene
Concen: 0.046 ppbv m
RT: 13.516 min Scan# 4149
Delta R.T. 0.006 min
Lab File: VL042997.D
Acq: 23 Sep 2025 18:12

Tgt Ion:128 Resp: 2055
Ion Ratio Lower Upper
128 100
127 9.3 10.6 15.8#
129 12.7 9.0 13.6

