

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
 Data File : VL043151.D
 Acq On : 04 Nov 2025 12:27
 Operator : SY/MD
 Sample : Q3530-13 0.1 LOD
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOD-MDL-AIR-01-QT4-2025

Quant Time: Nov 05 06:30:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025
 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	112949	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	360419	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	306722	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	232694	9.760	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.600%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	787	0.126	ppbv #	63
32) 1,1,1-Trichloroethane	3.363	97	3067	0.117	ppbv #	93
35) Carbon Tetrachloride	3.764	117	3146m	0.121	ppbv	
38) Trichloroethene	4.544	130	1587m	0.112	ppbv	
52) Tetrachloroethene	8.221	164	1438m	0.117	ppbv	
54) 1,2-Dibromoethane	7.655	107	2190m	0.104	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.959	83	2815	0.101	ppbv #	88
79) Naphthalene	13.510	128	2214	0.045	ppbv #	80

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

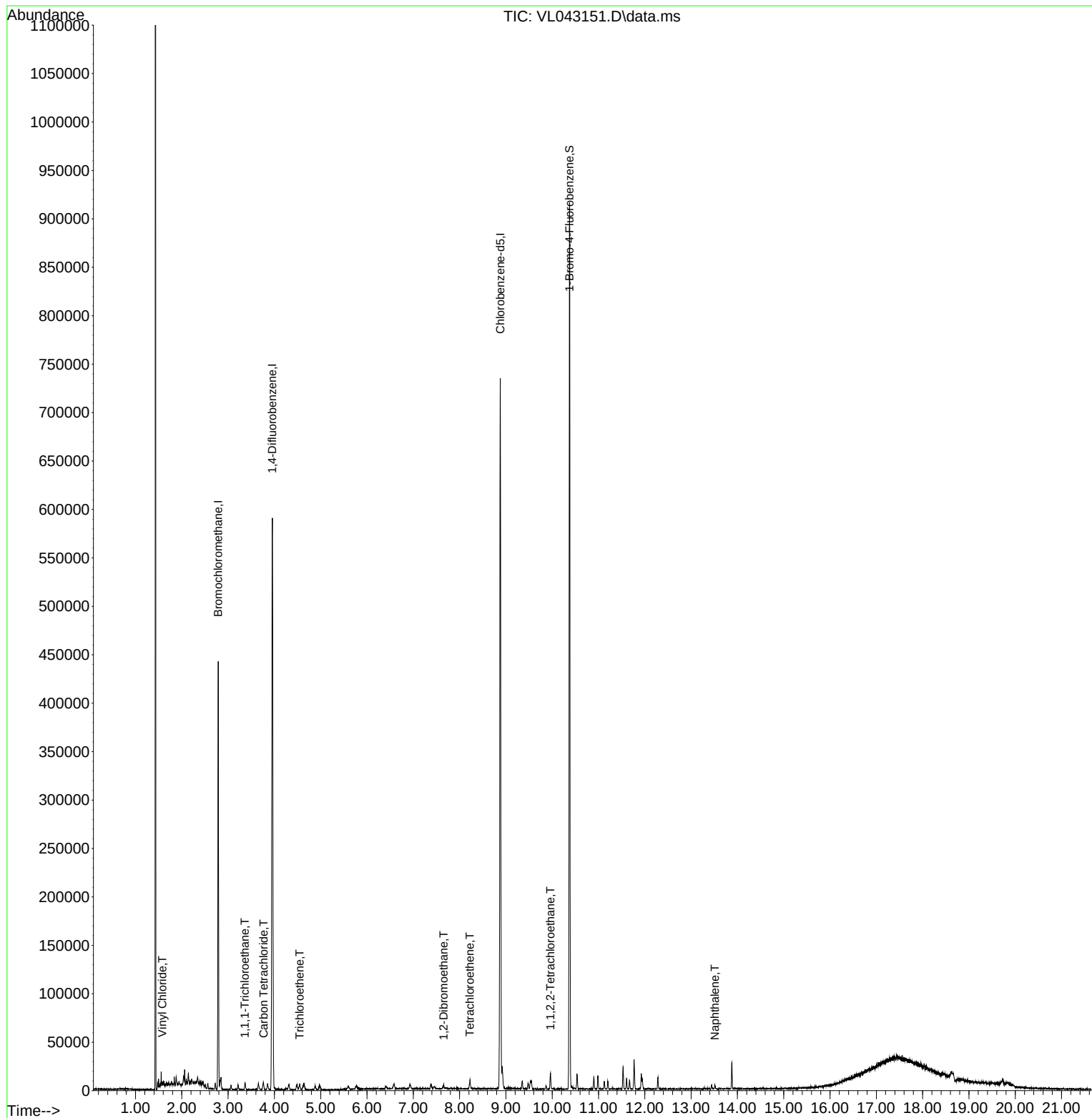
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
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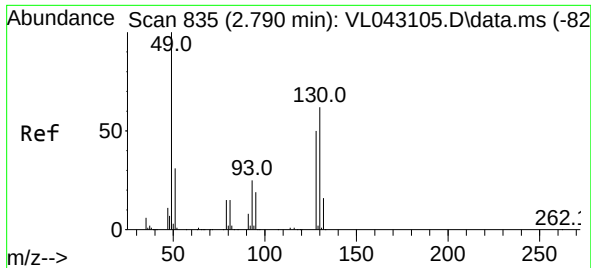
Instrument :
MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025

Quant Time: Nov 05 06:30:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
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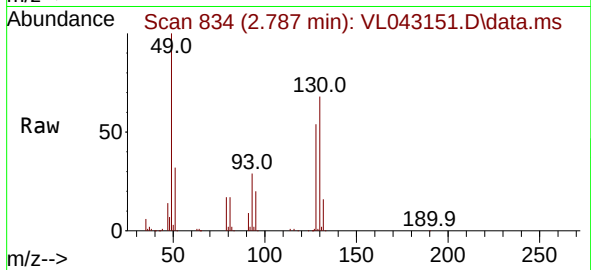
Reviewed By : Semsettin Yesilyurt 11/05/2025
Supervised By : Mahesh Dadoda 11/07/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043151.D
Acq: 04 Nov 2025 12:27

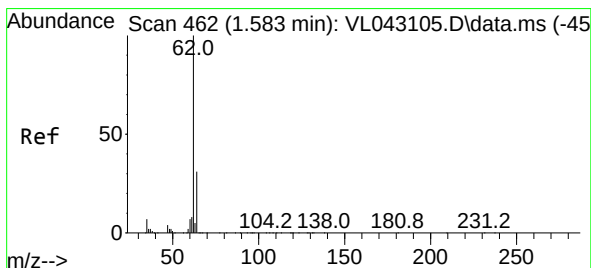
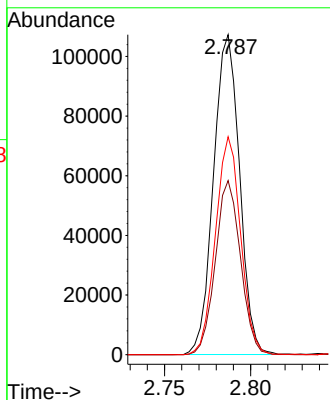
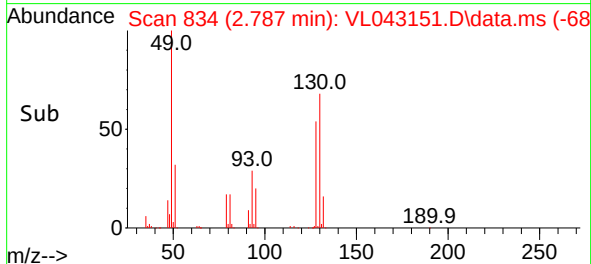
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 49 Resp: 112949
Ion Ratio Lower Upper
49 100
128 52.6 24.4 73.4
130 65.9 31.0 93.0

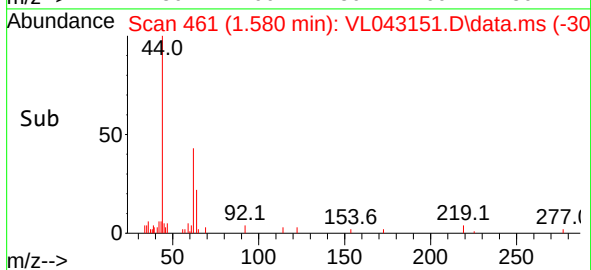
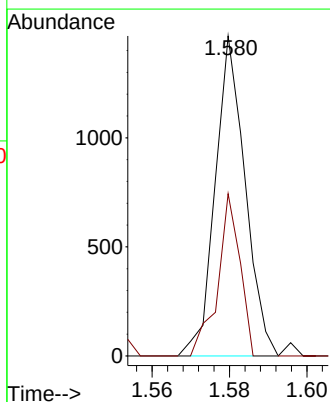
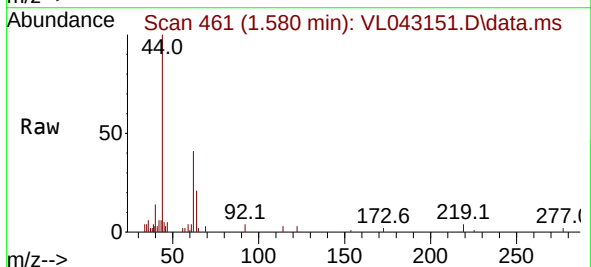
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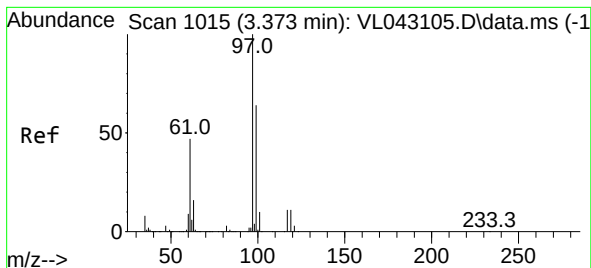
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#5
Vinyl Chloride
Concen: 0.126 ppbv
RT: 1.580 min Scan# 461
Delta R.T. -0.004 min
Lab File: VL043151.D
Acq: 04 Nov 2025 12:27

Tgt Ion: 62 Resp: 787
Ion Ratio Lower Upper
62 100
64 50.7 24.6 36.8#





#32

1,1,1-Trichloroethane

Concen: 0.117 ppbv

RT: 3.363 min Scan# 1015

Delta R.T. -0.010 min

Lab File: VL043151.D

Acq: 04 Nov 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025

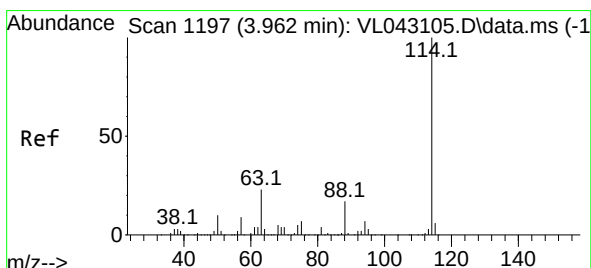
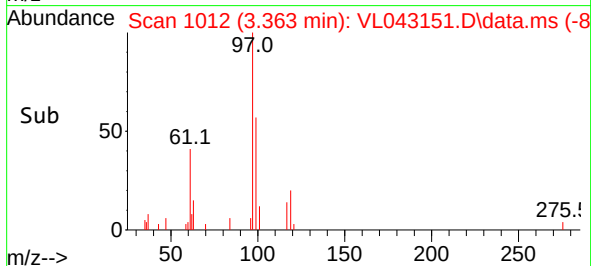
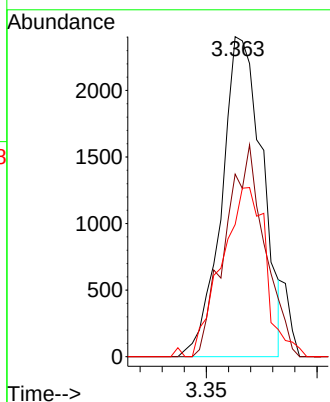
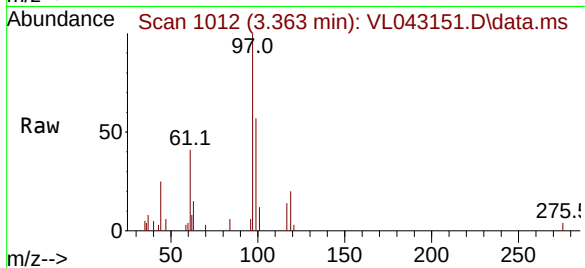
Tgt Ion: 97	Resp: 306
Ion Ratio	Lower Upper
97 100	
99 64.6	51.3 76.9
61 57.9	38.4 57.6

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Supervised By :Mahesh Dadoda 11/07/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

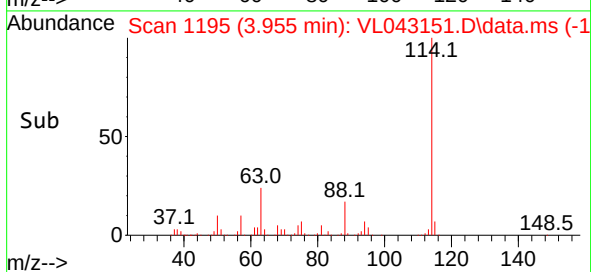
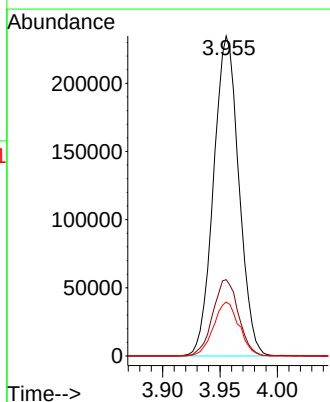
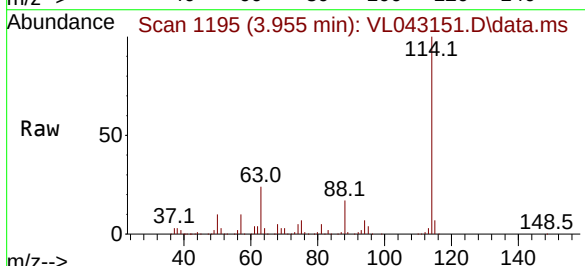
RT: 3.955 min Scan# 1195

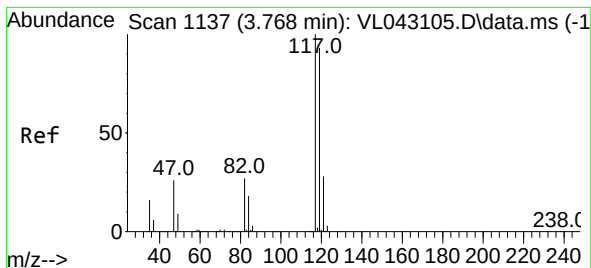
Delta R.T. -0.007 min

Lab File: VL043151.D

Acq: 04 Nov 2025 12:27

Tgt Ion:114	Resp: 360419
Ion Ratio	Lower Upper
114 100	
63 24.2	19.3 28.9
88 17.0	13.9 20.9





#35

Carbon Tetrachloride

Concen: 0.121 ppbv m

RT: 3.764 min Scan# 1136

Delta R.T. -0.004 min

Lab File: VL043151.D

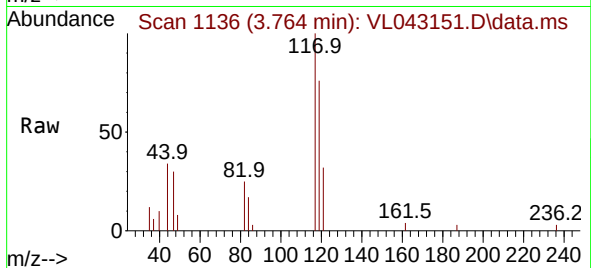
Acq: 04 Nov 2025 12:27

Instrument :

MSVOA_L

ClientSampleId :

LOD-MDL-AIR-01-QT4-2025



Tgt Ion:117 Resp: 3140

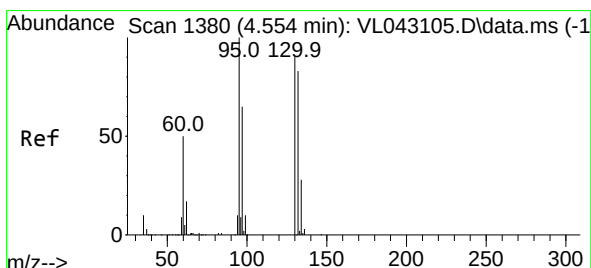
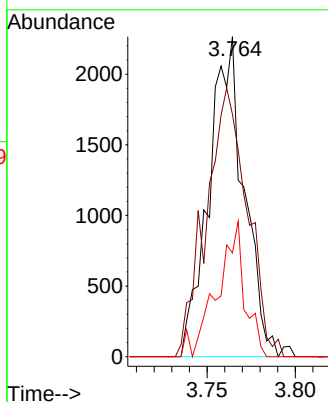
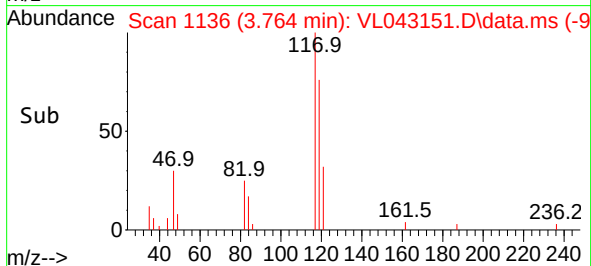
Ion	Ratio	Lower	Upper
117	100		
119	75.8	74.1	111.1
121	32.4	22.2	33.2

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#38

Trichloroethene

Concen: 0.112 ppbv m

RT: 4.544 min Scan# 1377

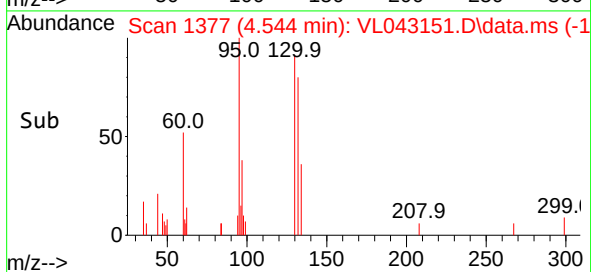
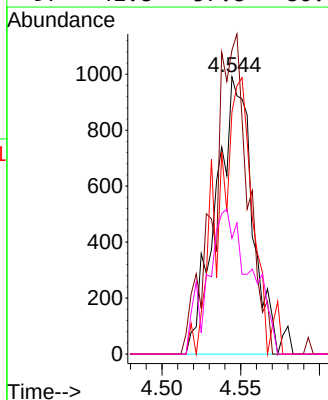
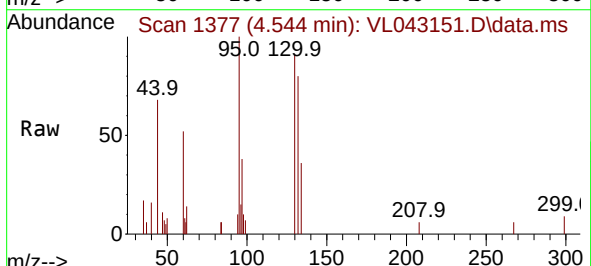
Delta R.T. -0.010 min

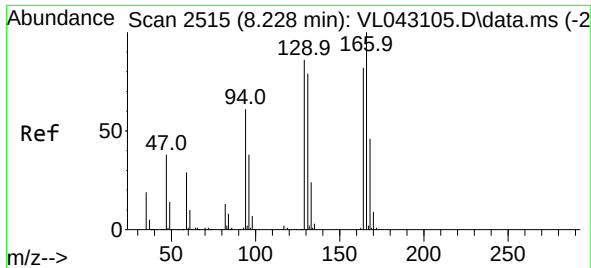
Lab File: VL043151.D

Acq: 04 Nov 2025 12:27

Tgt Ion:130 Resp: 1587

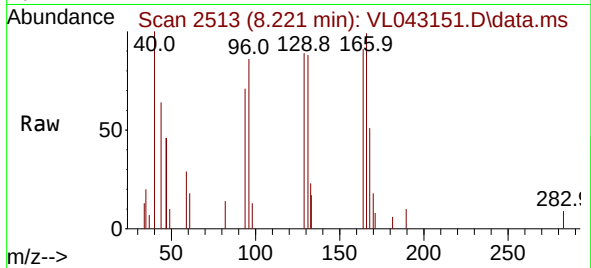
Ion	Ratio	Lower	Upper
130	100		
95	109.7	88.6	133.0
132	87.5	73.4	110.0
97	41.8	57.8	86.6





#52
Tetrachloroethene
Concen: 0.117 ppbv m
RT: 8.221 min Scan# 2515
Delta R.T. -0.007 min
Lab File: VL043151.D
Acq: 04 Nov 2025 12:27

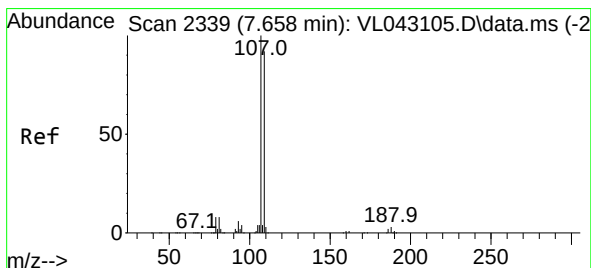
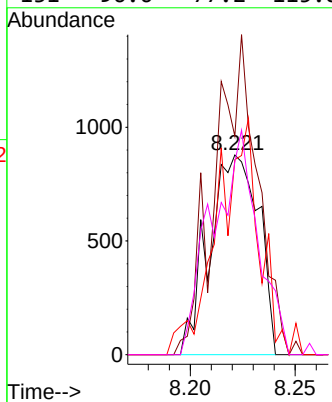
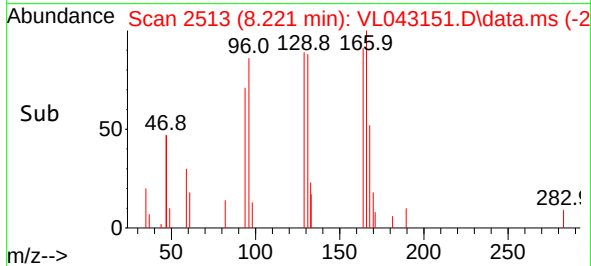
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion:164 Resp: 1438
Ion Ratio Lower Upper
164 100
166 109.5 97.6 146.4
129 97.7 84.5 126.7
131 96.6 77.2 115.8

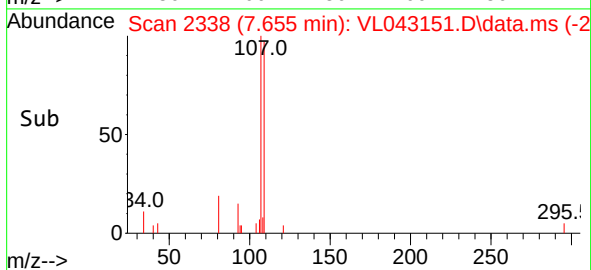
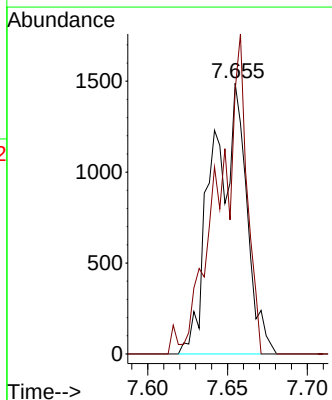
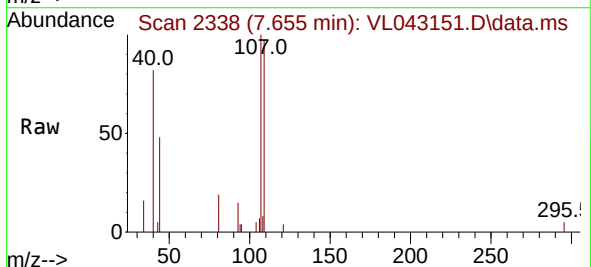
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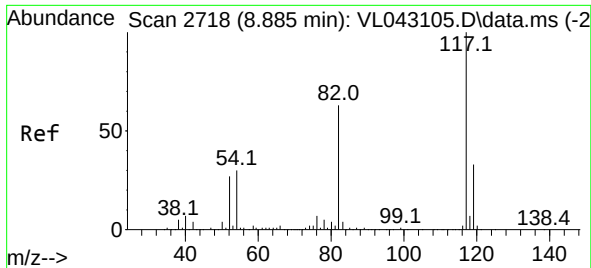
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#54
1,2-Dibromoethane
Concen: 0.104 ppbv m
RT: 7.655 min Scan# 2338
Delta R.T. -0.004 min
Lab File: VL043151.D
Acq: 04 Nov 2025 12:27

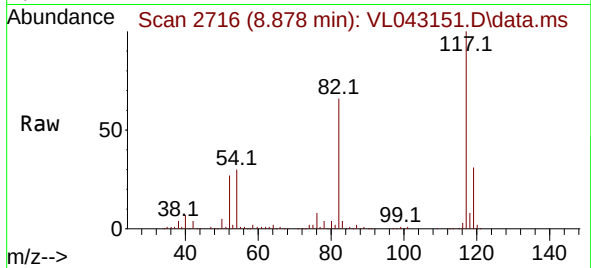
Tgt Ion:107 Resp: 2190
Ion Ratio Lower Upper
107 100
109 97.4 73.4 110.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL043151.D
Acq: 04 Nov 2025 12:27

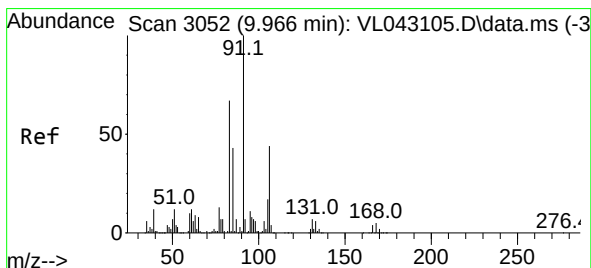
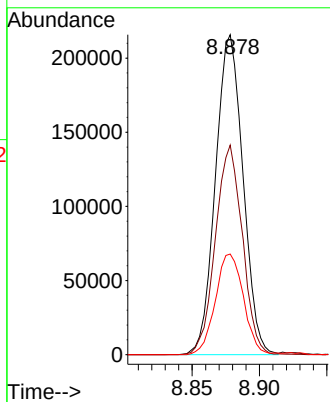
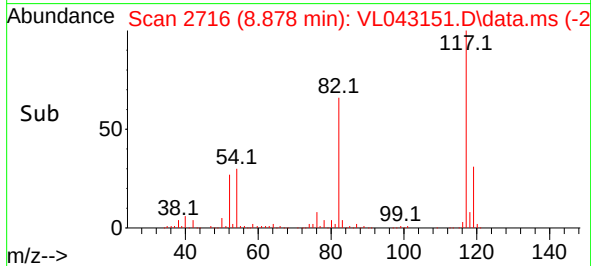
Instrument : MSVOA_L
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 117 Resp: 30672
Ion Ratio Lower Upper
117 100
82 64.2 53.8 80.8
119 32.6 25.4 38.0

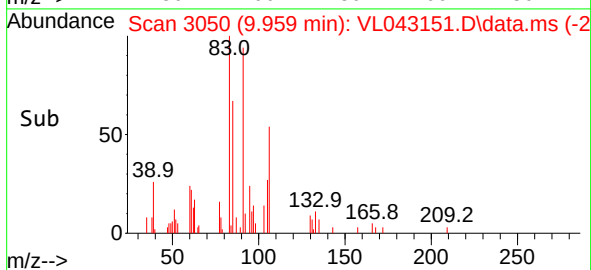
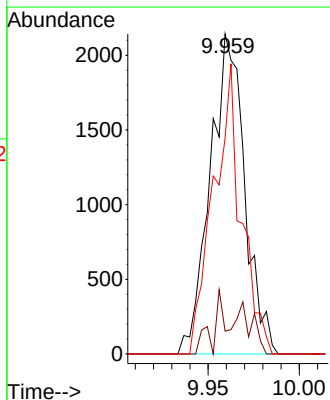
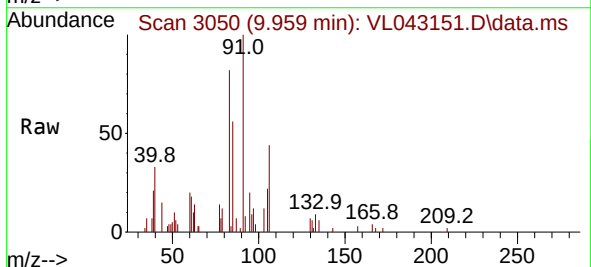
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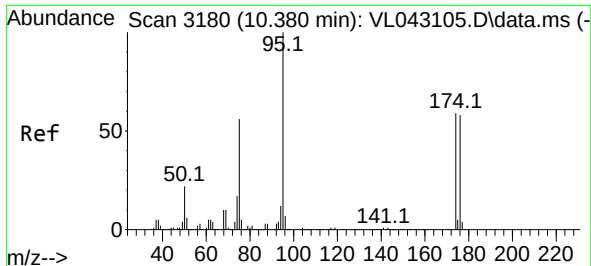
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.101 ppbv
RT: 9.959 min Scan# 3050
Delta R.T. -0.007 min
Lab File: VL043151.D
Acq: 04 Nov 2025 12:27

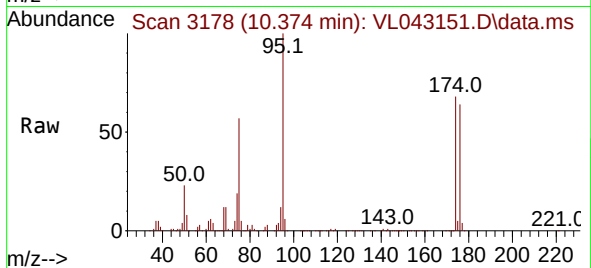
Tgt Ion: 83 Resp: 2815
Ion Ratio Lower Upper
83 100
131 14.8 4.8 14.3#
85 73.1 32.0 96.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.760 ppbv
RT: 10.374 min Scan# 3180
Delta R.T. -0.007 min
Lab File: VL043151.D
Acq: 04 Nov 2025 12:27

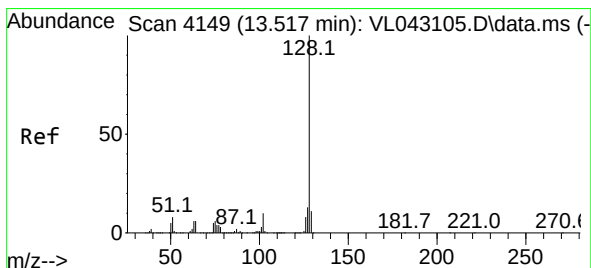
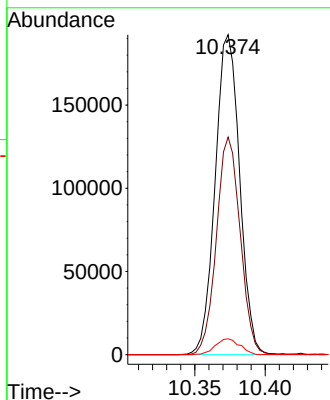
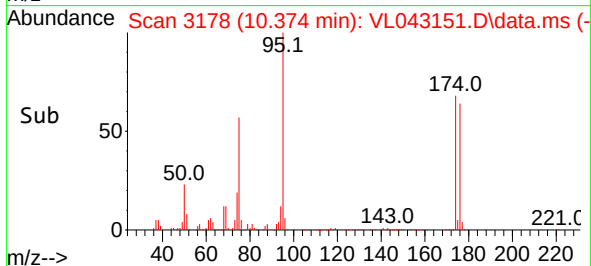
Instrument : MSVOA_1
ClientSampleId :
LOD-MDL-AIR-01-QT4-2025



Tgt Ion: 95 Resp: 232694
Ion Ratio Lower Upper
95 100
174 66.3 48.3 72.5
175 5.0 3.8 5.8

Manual Integrations
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Supervised By :Mahesh Dadoda 11/07/2025



#79
Naphthalene
Concen: 0.045 ppbv
RT: 13.510 min Scan# 4147
Delta R.T. -0.007 min
Lab File: VL043151.D
Acq: 04 Nov 2025 12:27

Tgt Ion:128 Resp: 2214
Ion Ratio Lower Upper
128 100
127 6.2 10.5 15.7#
129 20.4 9.1 13.7#

