

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
 Data File : VL043148.D
 Acq On : 04 Nov 2025 10:51
 Operator : SY/MD
 Sample : Q3530-14 0.1 LOQ
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Nov 05 06:28:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	116939	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	374850	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	324718	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	249410	9.882	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
5) Vinyl Chloride	1.580	62	671	0.104	ppbv	95
32) 1,1,1-Trichloroethane	3.366	97	3469	0.128	ppbv	93
35) Carbon Tetrachloride	3.755	117	3493m	0.130	ppbv	
38) Trichloroethene	4.551	130	1572m	0.107	ppbv	
52) Tetrachloroethene	8.224	164	1679m	0.132	ppbv	
54) 1,2-Dibromoethane	7.645	107	2064m	0.095	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.963	83	2944	0.100	ppbv #	87
79) Naphthalene	13.510	128	2562m	0.049	ppbv	

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

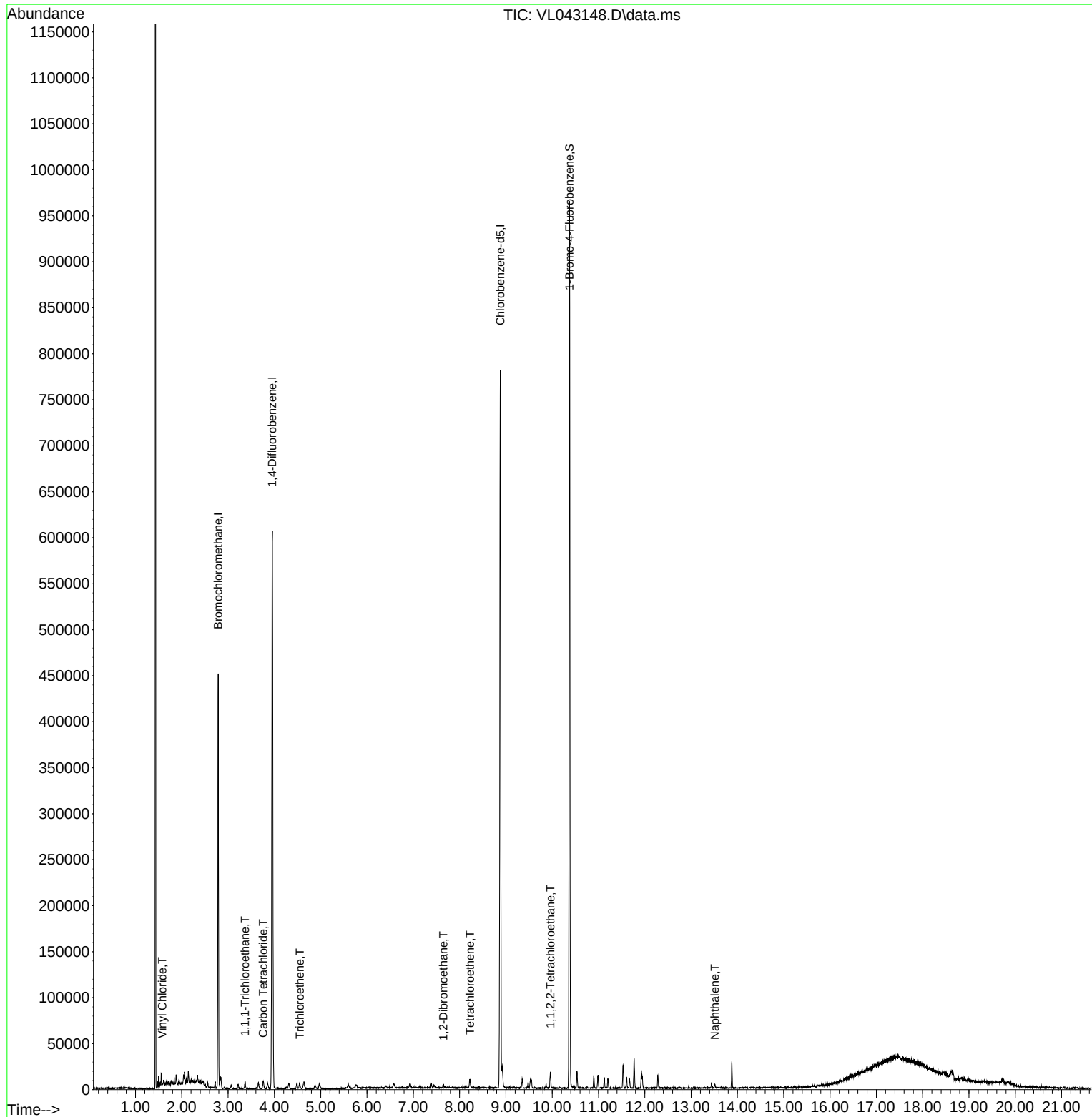
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110425\
Data File : VL043148.D
Acq On : 04 Nov 2025 10:51
Operator : SY/MD
Sample : Q3530-14 0.1 LOQ
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

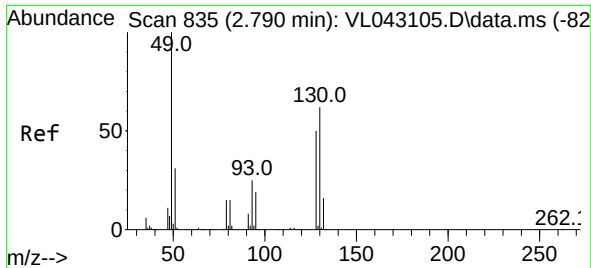
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025

Quant Time: Nov 05 06:28:55 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
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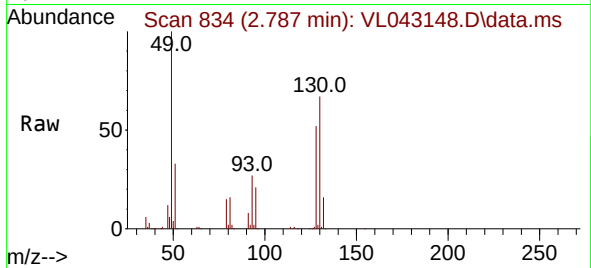
Reviewed By : Semsettin Yesilyurt 11/05/2025
Supervised By : Mahesh Dadoda 11/07/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 835
Delta R.T. -0.003 min
Lab File: VL043148.D
Acq: 04 Nov 2025 10:51

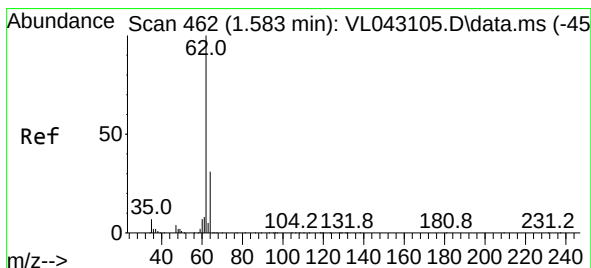
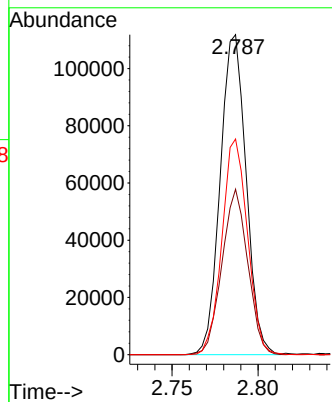
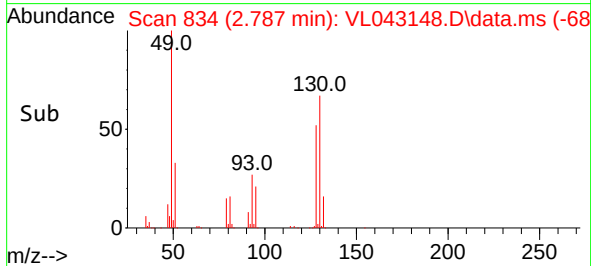
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion: 49 Resp: 116939
Ion Ratio Lower Upper
49 100
128 51.7 24.4 73.4
130 66.6 31.0 93.0

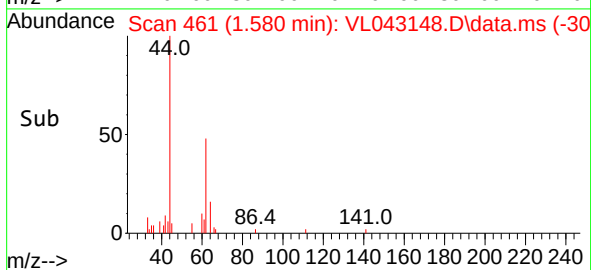
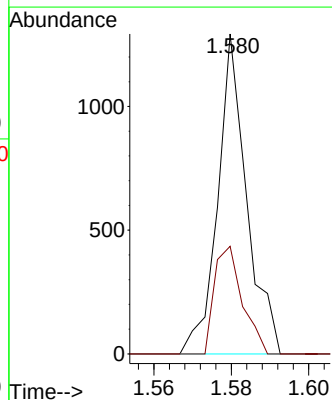
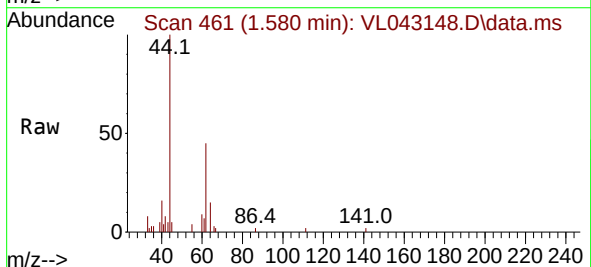
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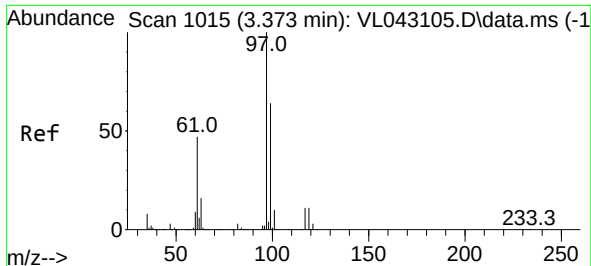
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#5
Vinyl Chloride
Concen: 0.104 ppbv
RT: 1.580 min Scan# 461
Delta R.T. -0.003 min
Lab File: VL043148.D
Acq: 04 Nov 2025 10:51

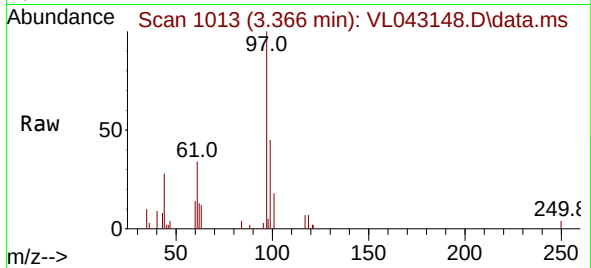
Tgt Ion: 62 Resp: 671
Ion Ratio Lower Upper
62 100
64 33.6 24.6 36.8





#32
 1,1,1-Trichloroethane
 Concen: 0.128 ppbv
 RT: 3.366 min Scan# 1013
 Delta R.T. -0.007 min
 Lab File: VL043148.D
 Acq: 04 Nov 2025 10:51

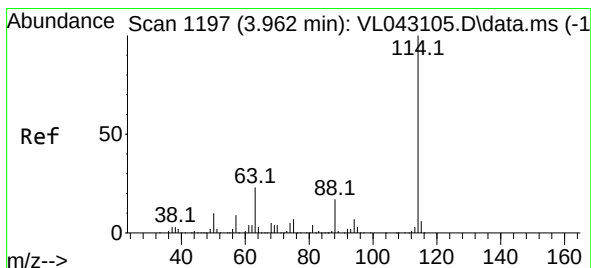
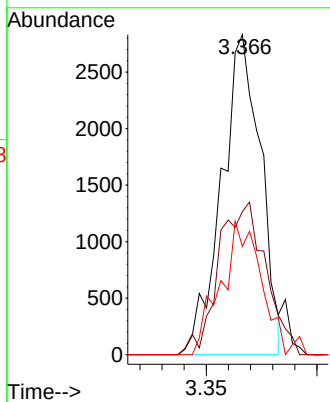
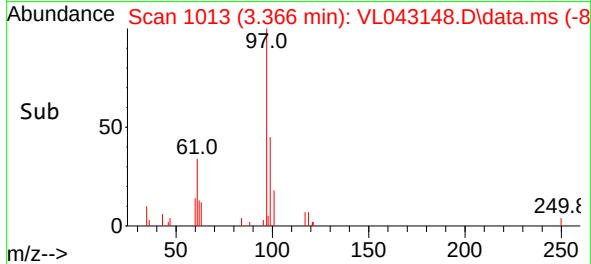
Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT4-2025



Tgt Ion: 97 Resp: 3469
 Ion Ratio Lower Upper
 97 100
 99 57.5 51.3 76.9
 61 44.0 38.4 57.6

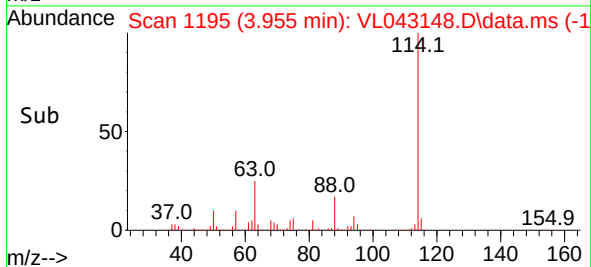
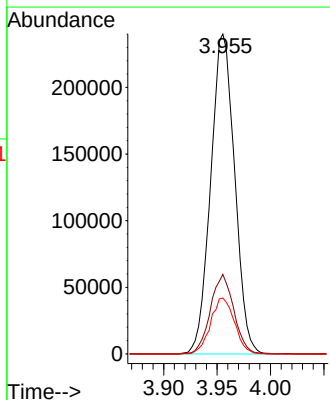
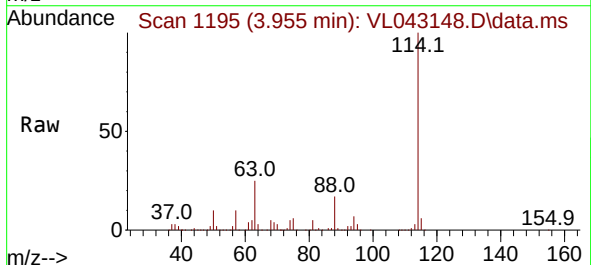
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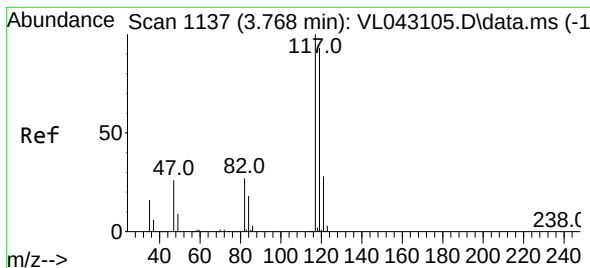
Reviewed By :Semsettin Yesilyurt 11/05/2025
 Supervised By :Mahesh Dadoda 11/07/2025



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.955 min Scan# 1195
 Delta R.T. -0.007 min
 Lab File: VL043148.D
 Acq: 04 Nov 2025 10:51

Tgt Ion:114 Resp: 374850
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.3 28.9
 88 17.4 13.9 20.9





#35

Carbon Tetrachloride

Concen: 0.130 ppbv m

RT: 3.755 min Scan# 1133

Delta R.T. -0.013 min

Lab File: VL043148.D

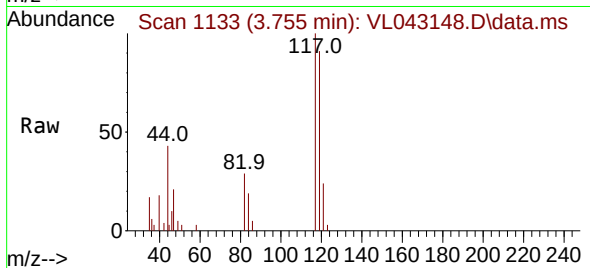
Acq: 04 Nov 2025 10:51

Instrument :

MSVOA_L

ClientSampleId :

LOQ-AIR-02-QT4-2025



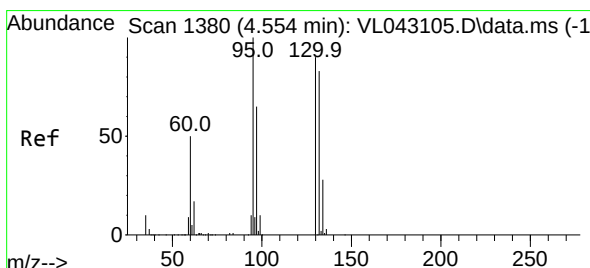
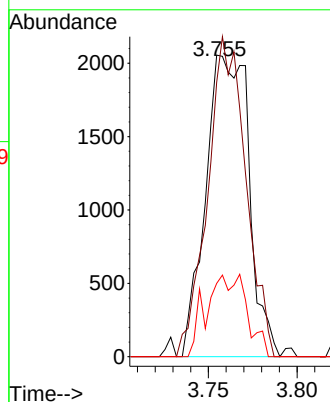
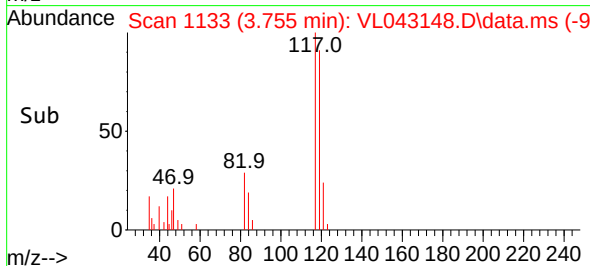
Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.0	74.1	111.1
121	24.3	22.2	33.2

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Reviewed By :Semsettin Yesilyurt 11/05/2025

Supervised By :Mahesh Dadoda 11/07/2025



#38

Trichloroethene

Concen: 0.107 ppbv m

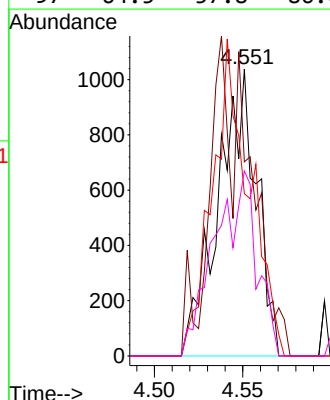
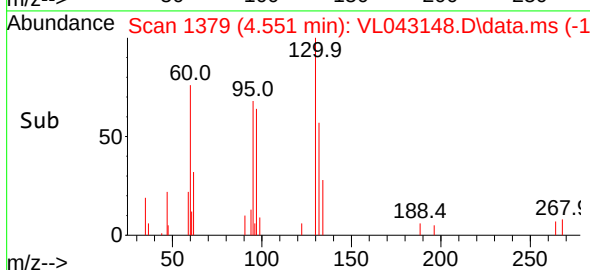
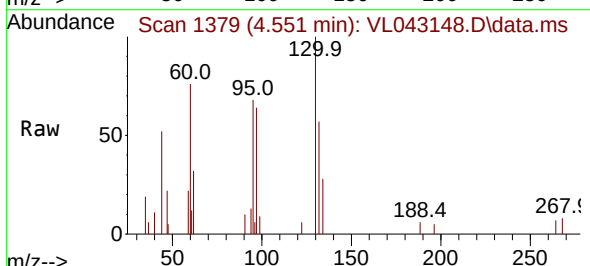
RT: 4.551 min Scan# 1379

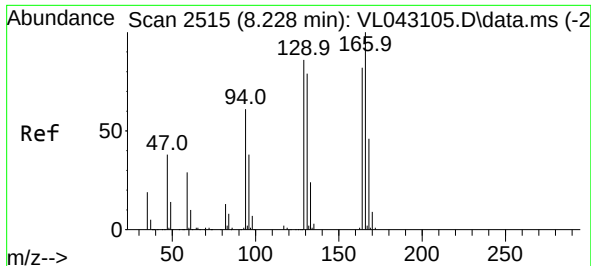
Delta R.T. -0.003 min

Lab File: VL043148.D

Acq: 04 Nov 2025 10:51

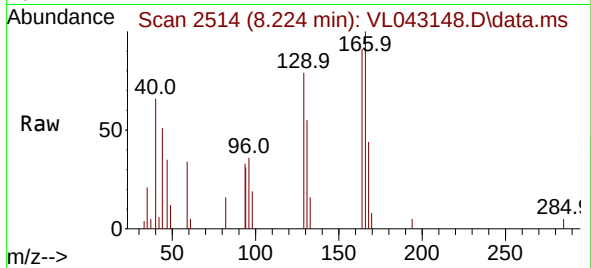
Tgt Ion	Ratio	Lower	Upper
130	100		
95	67.6	88.6	133.0#
132	56.6	73.4	110.0#
97	64.5	57.8	86.6





#52
Tetrachloroethene
Concen: 0.132 ppbv m
RT: 8.224 min Scan# 2515
Delta R.T. -0.003 min
Lab File: VL043148.D
Acq: 04 Nov 2025 10:51

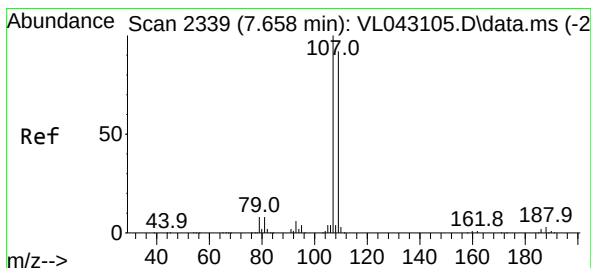
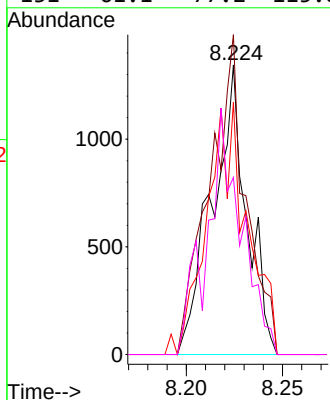
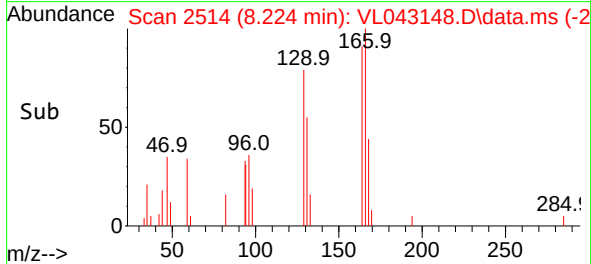
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion:164 Resp: 1679
Ion Ratio Lower Upper
164 100
166 110.4 97.6 146.4
129 87.1 84.5 126.7
131 61.1 77.2 115.8#

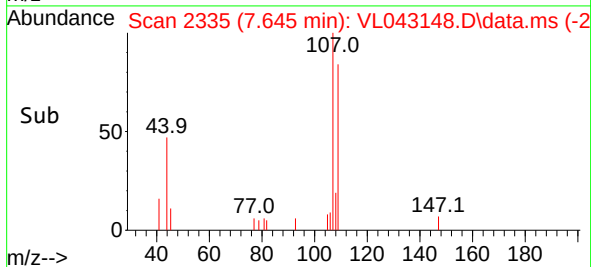
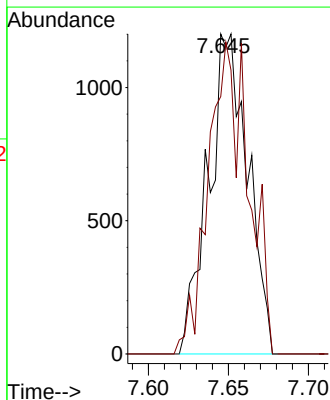
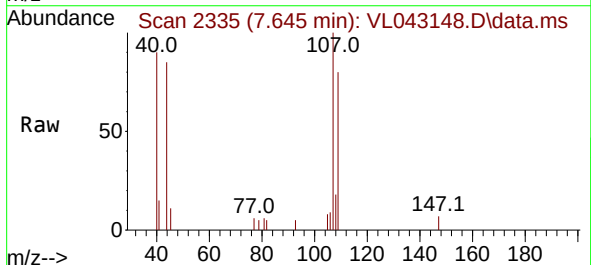
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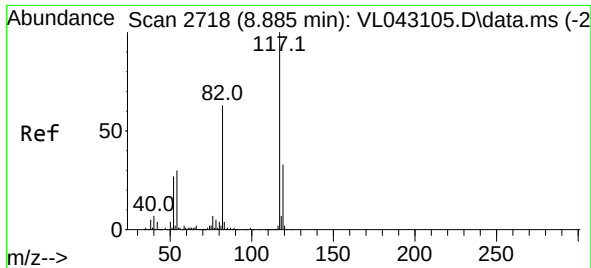
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#54
1,2-Dibromoethane
Concen: 0.095 ppbv m
RT: 7.645 min Scan# 2335
Delta R.T. -0.013 min
Lab File: VL043148.D
Acq: 04 Nov 2025 10:51

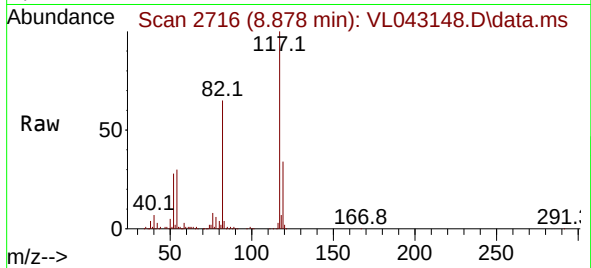
Tgt Ion:107 Resp: 2064
Ion Ratio Lower Upper
107 100
109 80.4 73.4 110.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL043148.D
Acq: 04 Nov 2025 10:51

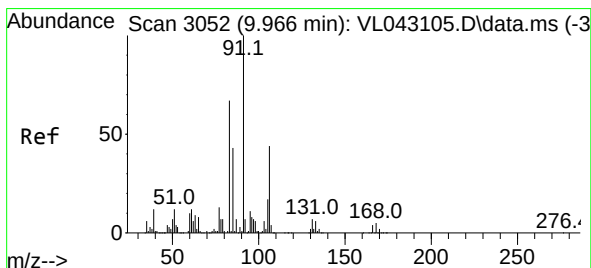
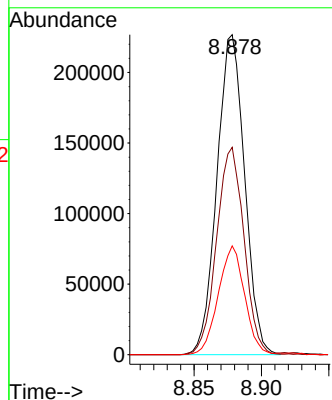
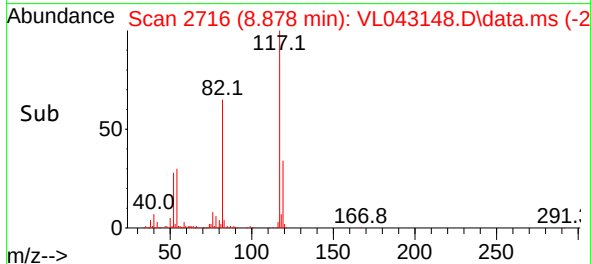
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion: 117 Resp: 324718
Ion Ratio Lower Upper
117 100
82 64.2 53.8 80.8
119 32.7 25.4 38.0

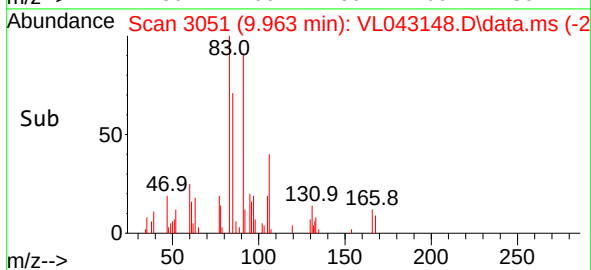
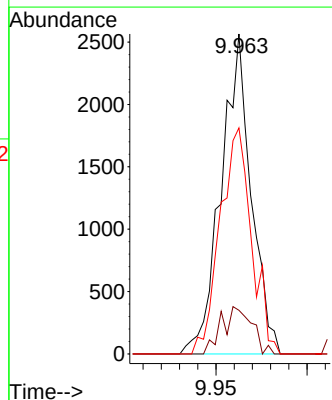
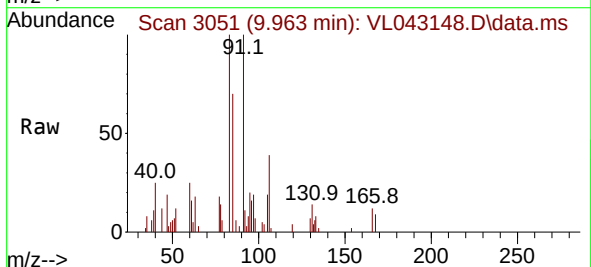
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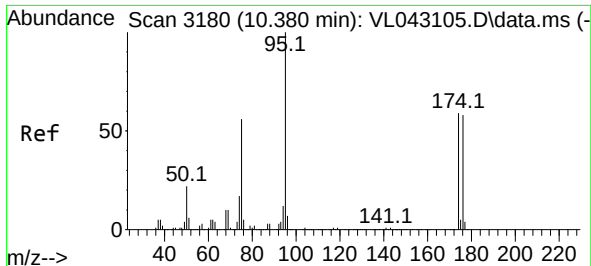
Reviewed By :Semsettin Yesilyurt 11/05/2025
Supervised By :Mahesh Dadoda 11/07/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.100 ppbv
RT: 9.963 min Scan# 3051
Delta R.T. -0.003 min
Lab File: VL043148.D
Acq: 04 Nov 2025 10:51

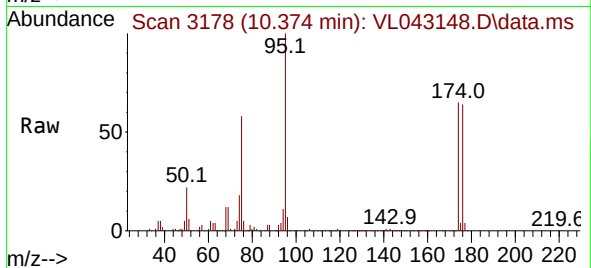
Tgt Ion: 83 Resp: 2944
Ion Ratio Lower Upper
83 100
131 14.9 4.8 14.3#
85 73.8 32.0 96.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.882 ppbv
RT: 10.374 min Scan# 3180
Delta R.T. -0.007 min
Lab File: VL043148.D
Acq: 04 Nov 2025 10:51

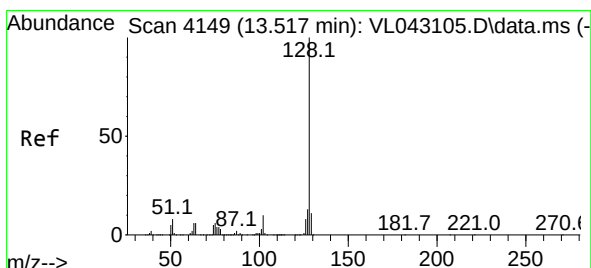
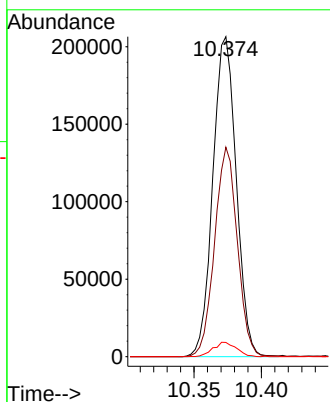
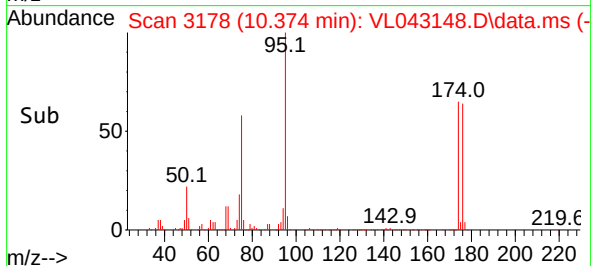
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT4-2025



Tgt Ion: 95 Resp: 249410
Ion Ratio Lower Upper
95 100
174 63.7 48.3 72.5
175 4.5 3.8 5.8

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



#79
Naphthalene
Concen: 0.049 ppbv m
RT: 13.510 min Scan# 4147
Delta R.T. -0.007 min
Lab File: VL043148.D
Acq: 04 Nov 2025 10:51

Tgt Ion:128 Resp: 2562
Ion Ratio Lower Upper
128 100
127 10.1 10.5 15.7#
129 10.6 9.1 13.7

