

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
 Data File : VL043189.D
 Acq On : 11 Nov 2025 13:47
 Operator : SY/MD
 Sample : Q3530-15 0.03 MDL
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL-AIR-03-QT4-2025

Quant Time: Nov 12 01:05:10 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 11/13/2025
 Supervised By :Mahesh Dadoda 11/13/2025

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

Internal Standards						
1) Bromochloromethane	2.800	49	138118	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	363473	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.898	117	307571	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	224002	9.370	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.700%
Target Compounds						
						Qvalue
32) 1,1,1-Trichloroethane	3.383	97	1204	0.038	ppbv	96
35) Carbon Tetrachloride	3.787	117	1034m	0.040	ppbv	
52) Tetrachloroethene	8.247	164	502m	0.041	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.976	83	885m	0.032	ppbv	

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

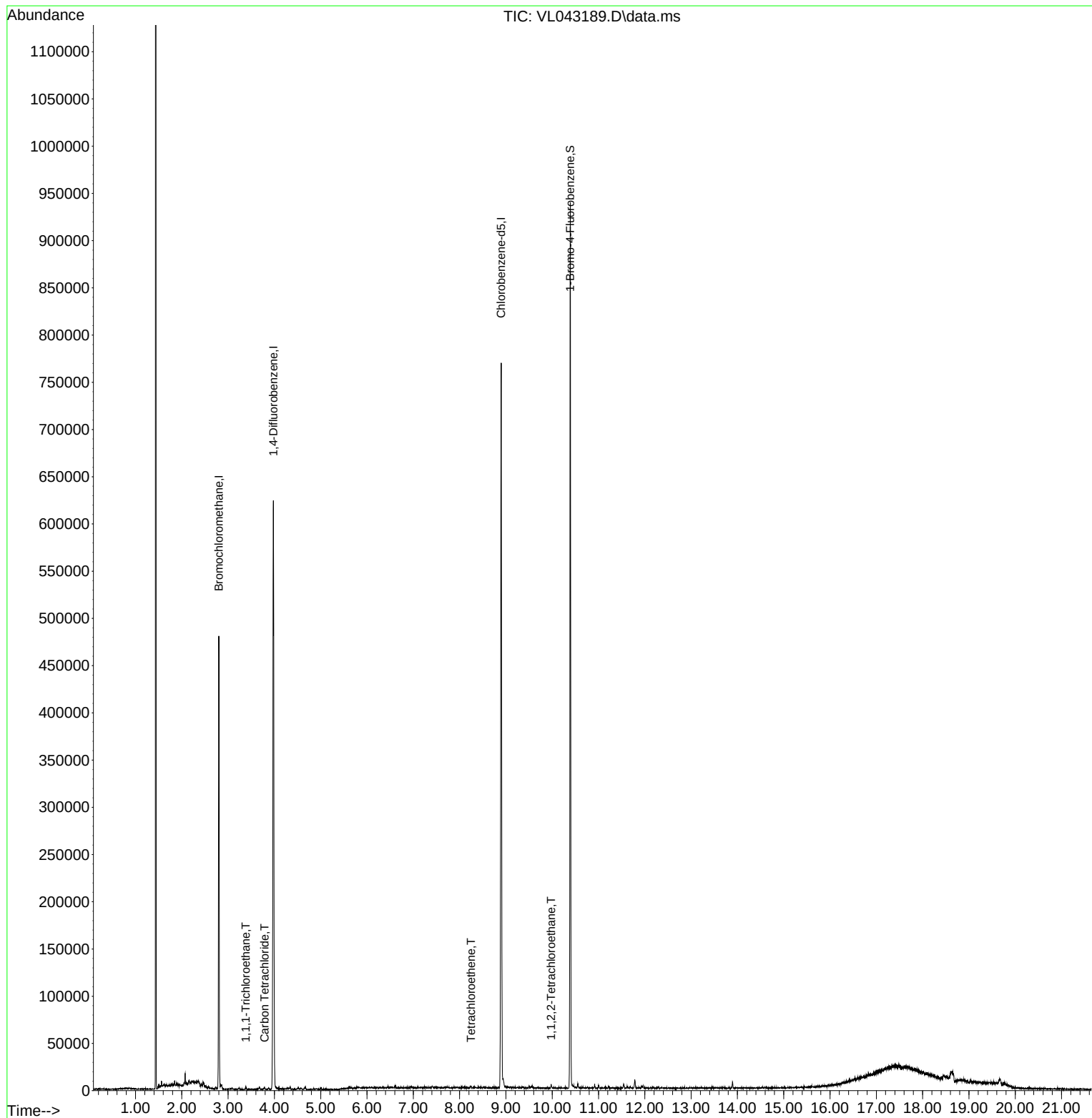
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111125\
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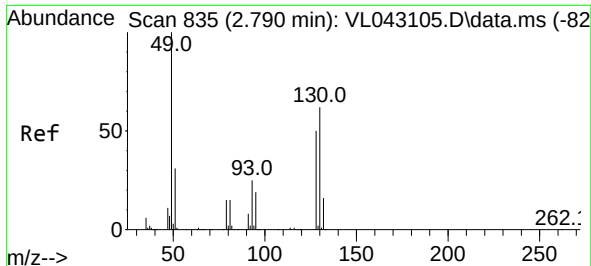
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

Quant Time: Nov 12 01:05:10 2025
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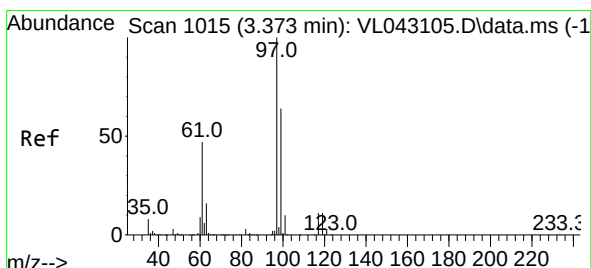
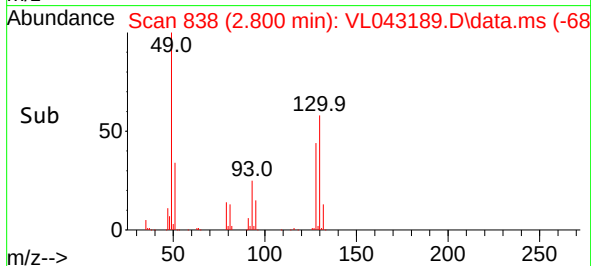
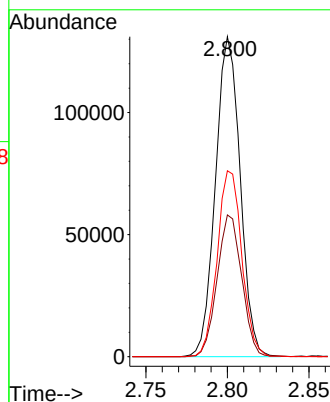
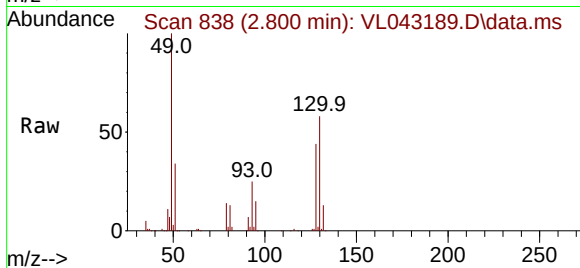
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL043189.D
Acq: 11 Nov 2025 13:47

Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025

Tgt Ion: 49 Resp: 138118
Ion Ratio Lower Upper
49 100
128 44.2 24.4 73.4
130 58.0 31.0 93.0

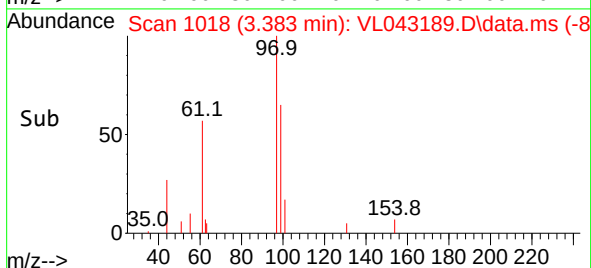
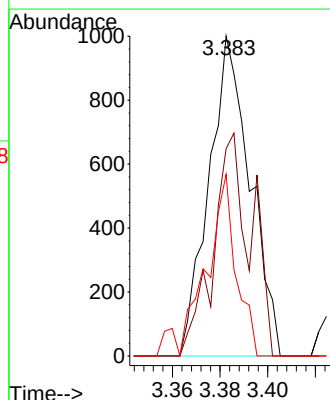
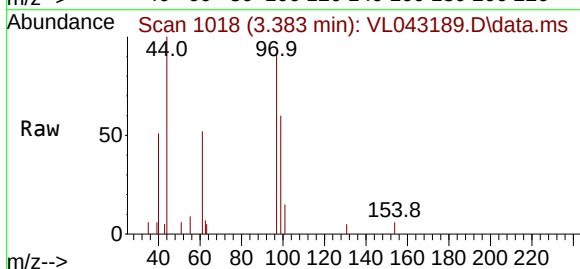
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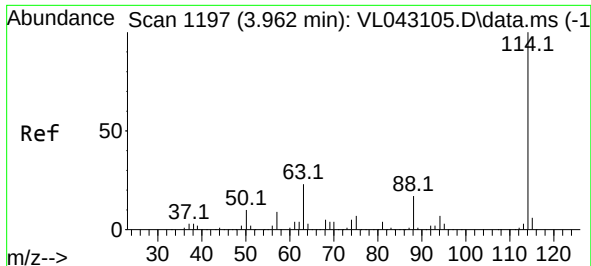
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#32
1,1,1-Trichloroethane
Concen: 0.038 ppbv
RT: 3.383 min Scan# 1018
Delta R.T. 0.010 min
Lab File: VL043189.D
Acq: 11 Nov 2025 13:47

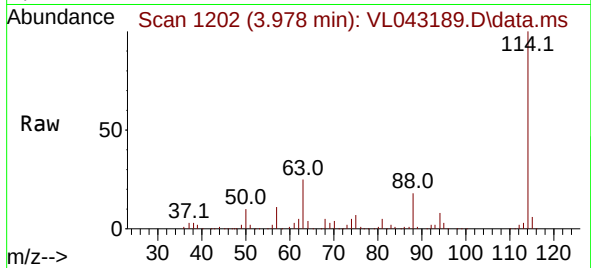
Tgt Ion: 97 Resp: 1204
Ion Ratio Lower Upper
97 100
99 63.6 51.3 76.9
61 42.4 38.4 57.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1197
Delta R.T. 0.016 min
Lab File: VL043189.D
Acq: 11 Nov 2025 13:47

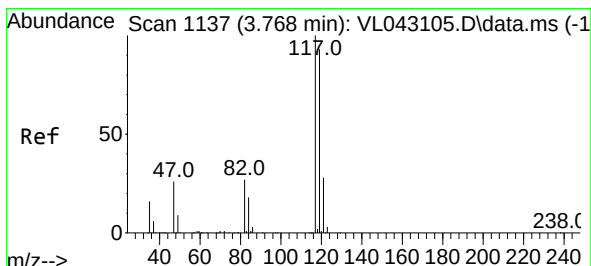
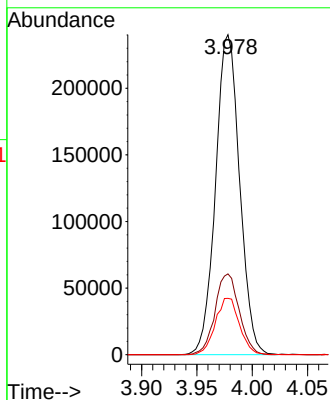
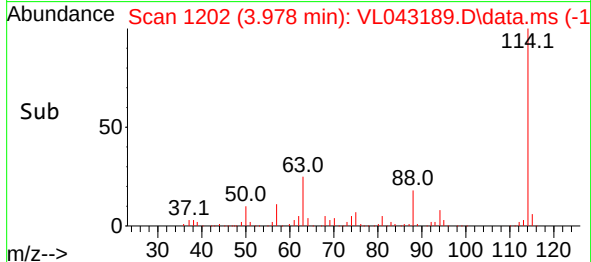
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion:114 Resp: 36347
Ion Ratio Lower Upper
114 100
63 25.5 19.3 28.9
88 17.7 13.9 20.9

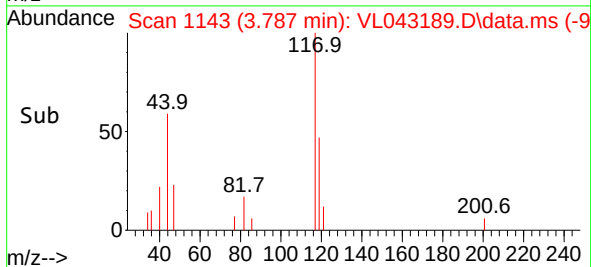
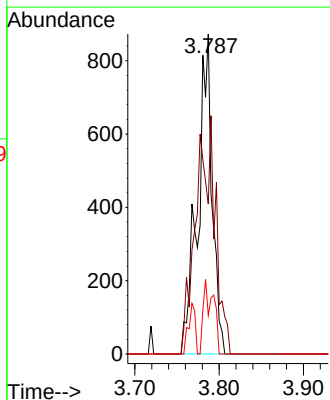
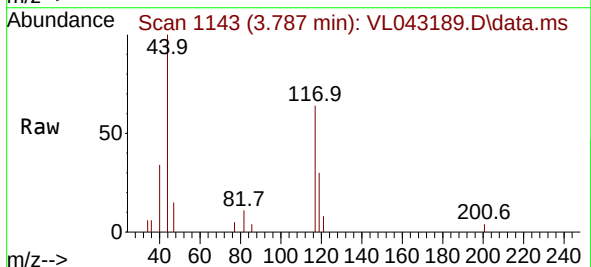
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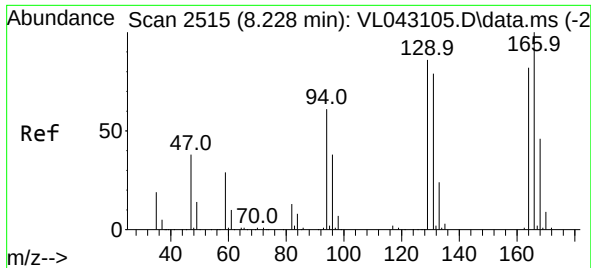
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#35
Carbon Tetrachloride
Concen: 0.040 ppbv m
RT: 3.787 min Scan# 1143
Delta R.T. 0.019 min
Lab File: VL043189.D
Acq: 11 Nov 2025 13:47

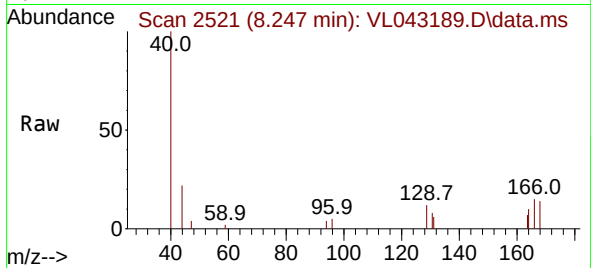
Tgt Ion:117 Resp: 1034
Ion Ratio Lower Upper
117 100
119 46.8 74.1 111.1#
121 12.1 22.2 33.2#





#52
Tetrachloroethene
Concen: 0.041 ppbv m
RT: 8.247 min Scan# 21
Delta R.T. 0.019 min
Lab File: VL043189.D
Acq: 11 Nov 2025 13:47

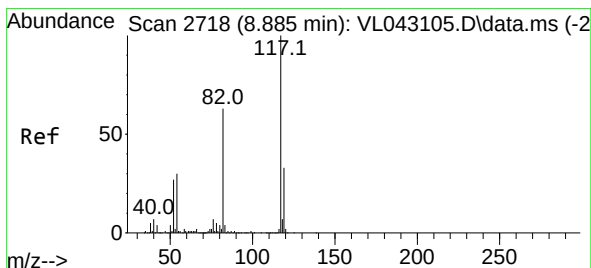
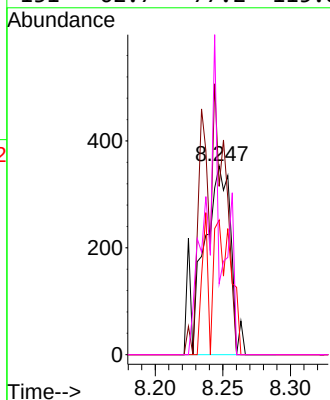
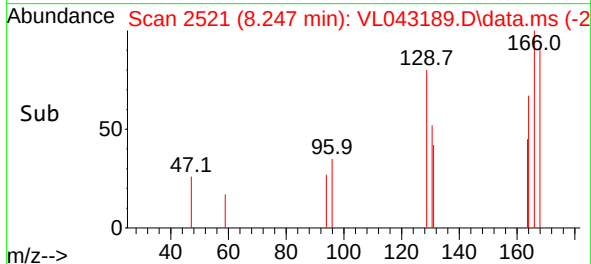
Instrument :
MSVOA_L
ClientSampleId :
MDL-AIR-03-QT4-2025



Tgt Ion:164 Resp: 502
Ion Ratio Lower Upper
164 100
166 148.6 97.6 146.4
129 118.9 84.5 126.7
131 62.7 77.2 115.8#

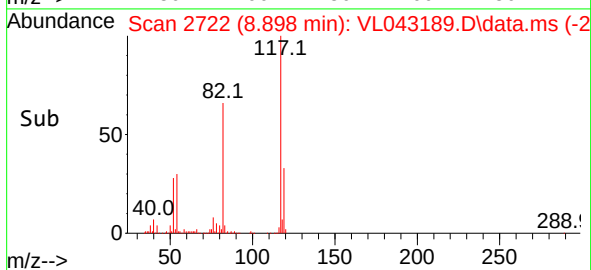
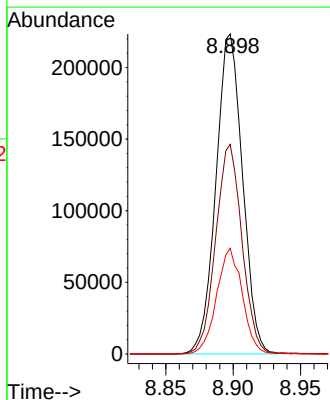
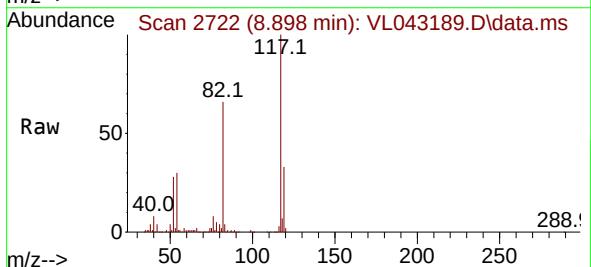
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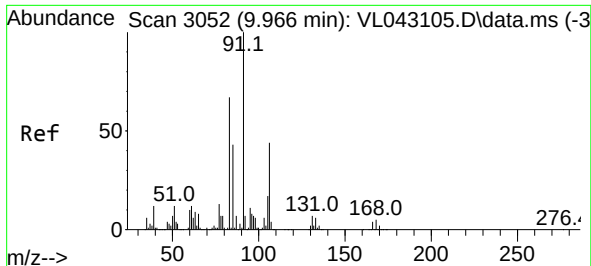
Reviewed By :Semsettin Yesilyurt 11/13/2025
Supervised By :Mahesh Dadoda 11/13/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. 0.013 min
Lab File: VL043189.D
Acq: 11 Nov 2025 13:47

Tgt Ion:117 Resp: 307571
Ion Ratio Lower Upper
117 100
82 64.6 53.8 80.8
119 32.0 25.4 38.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.032 ppbv m

RT: 9.976 min Scan# 3052

Delta R.T. 0.010 min

Lab File: VL043189.D

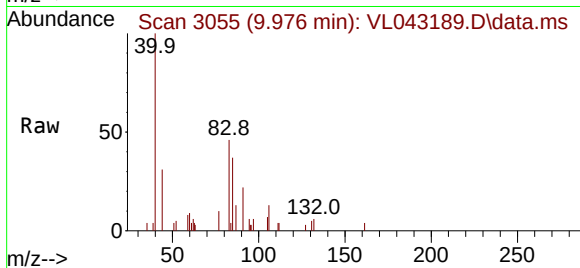
Acq: 11 Nov 2025 13:47

Instrument :

MSVOA_L

ClientSampleId :

MDL-AIR-03-QT4-2025



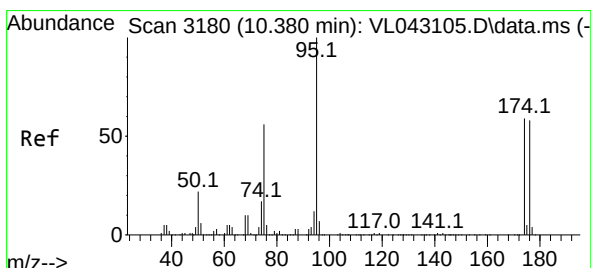
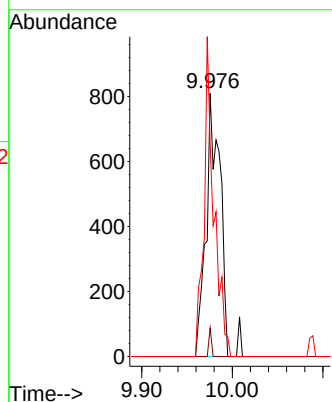
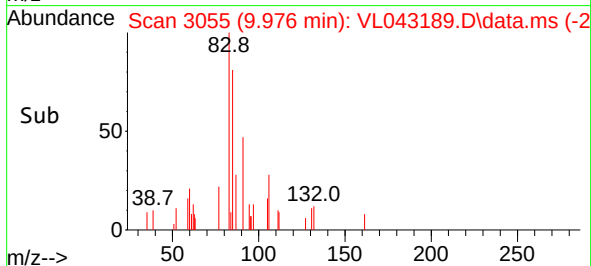
Tgt Ion:	83	Resp:	88
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.8	14.3
85	0.0	32.0	96.0

Manual Integrations

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Supervised By :Mahesh Dadoda 11/13/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.370 ppbv

RT: 10.390 min Scan# 3183

Delta R.T. 0.010 min

Lab File: VL043189.D

Acq: 11 Nov 2025 13:47

Tgt Ion:	95	Resp:	224002
Ion Ratio	Lower	Upper	
95	100		
174	63.7	48.3	72.5
175	4.5	3.8	5.8

