

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
 Data File : VL041971.D
 Acq On : 03 Feb 2025 21:01
 Operator : SY/MD
 Sample : Q1168-14 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2025

Quant Time: Feb 04 02:40:31 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 02/04/2025
 Supervised By : Mahesh Dadoda 02/04/2025

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

Internal Standards						
1) Bromochloromethane	2.797	49	148103	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	388505	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	336885	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	248035	9.348	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.500%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.586	62	312	0.041	ppbv #	42
32) 1,1,1-Trichloroethane	3.379	97	1009m	0.035	ppbv	
35) Carbon Tetrachloride	3.774	117	858m	0.035	ppbv	
52) Tetrachloroethene	8.241	164	393m	0.032	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.982	83	1003m	0.037	ppbv	

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

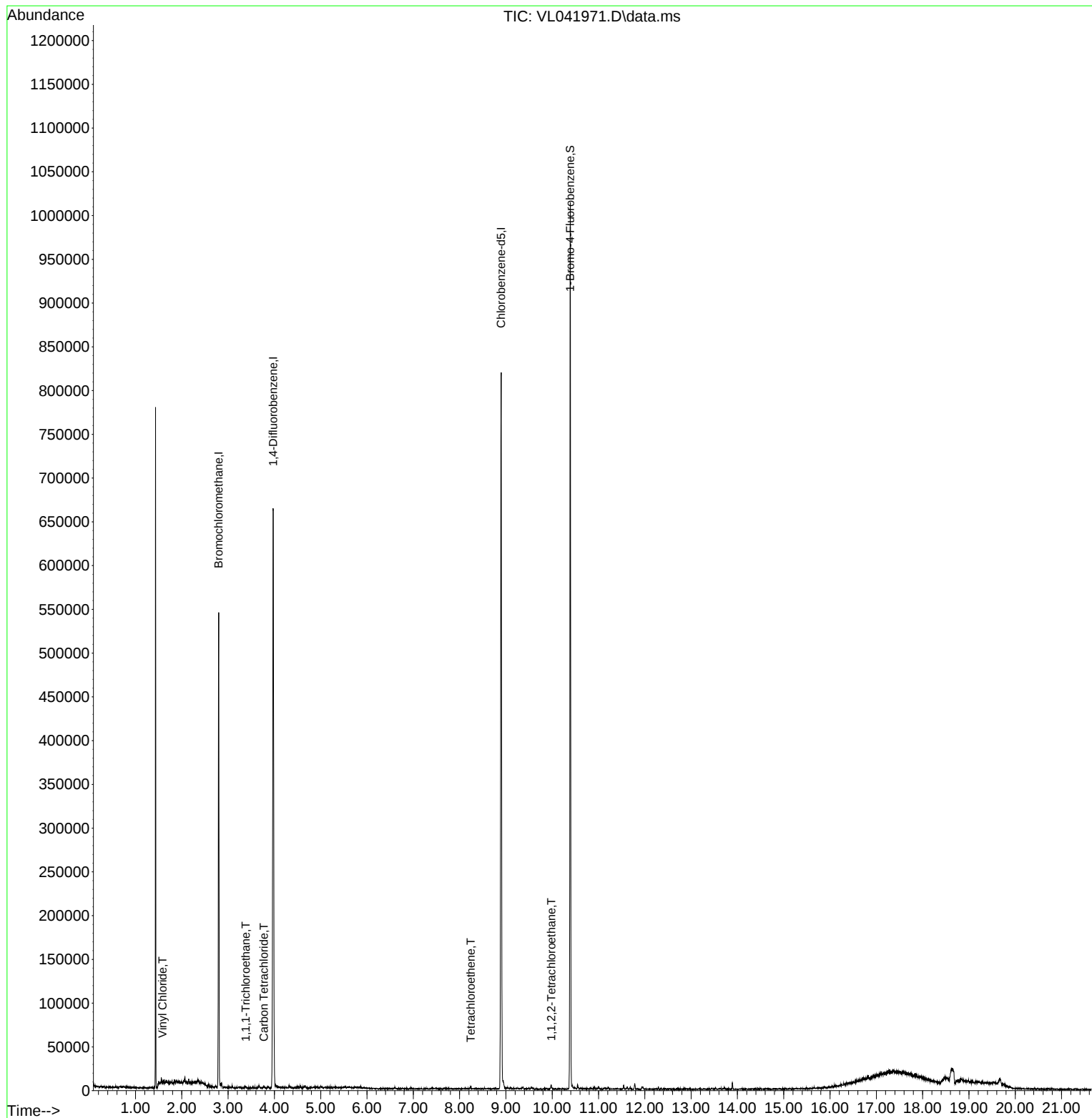
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020325\
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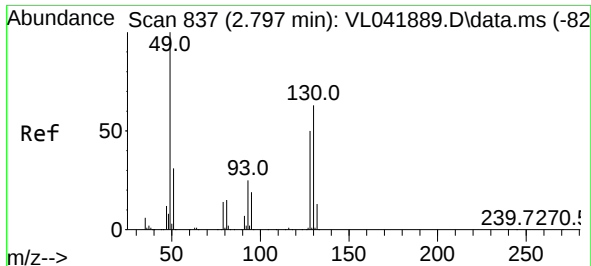
Instrument :
MSVOA_L
ClientSampleId :
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Response via : Initial Calibration

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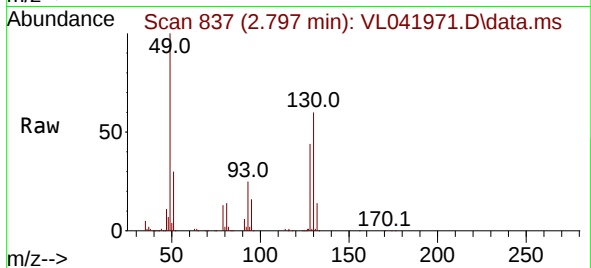
Reviewed By : Semsettin Yesilyurt 02/04/2025
Supervised By : Mahesh Dadoda 02/04/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL041971.D
Acq: 03 Feb 2025 21:01

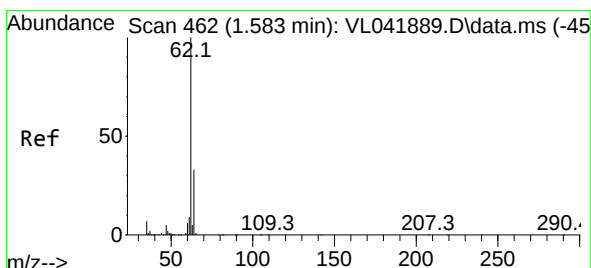
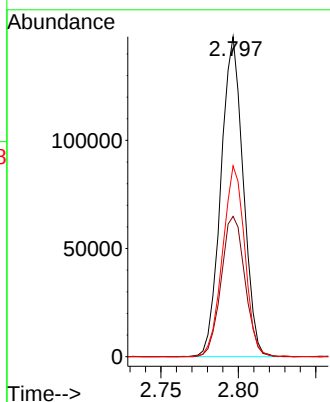
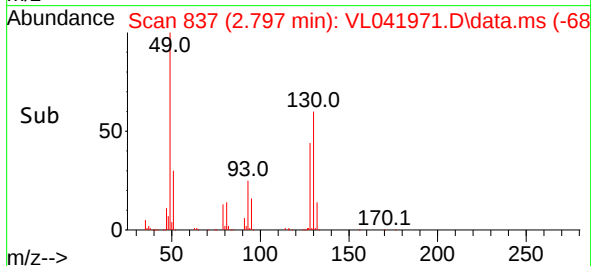
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2025



Tgt Ion: 49 Resp: 14810
Ion Ratio Lower Upper
49 100
128 46.7 24.3 73.0
130 59.4 31.1 93.2

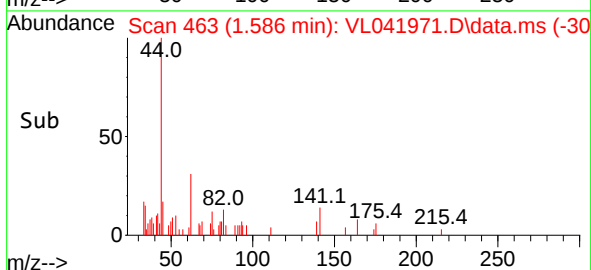
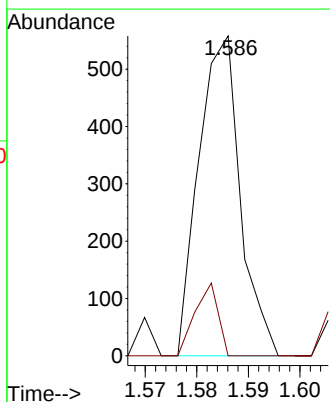
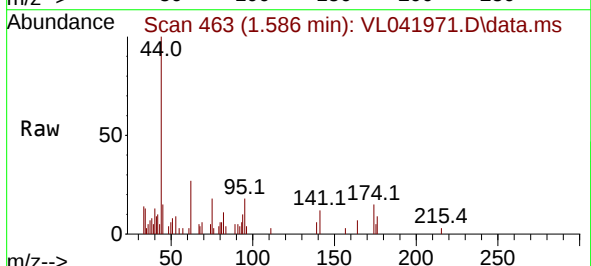
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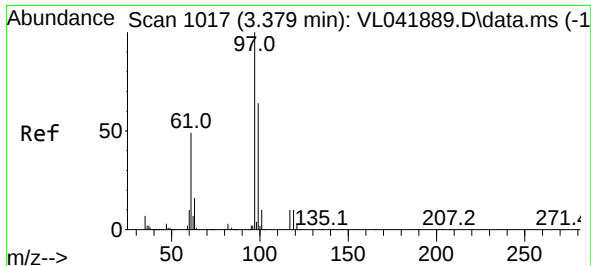
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#5
Vinyl Chloride
Concen: 0.041 ppbv
RT: 1.586 min Scan# 463
Delta R.T. 0.003 min
Lab File: VL041971.D
Acq: 03 Feb 2025 21:01

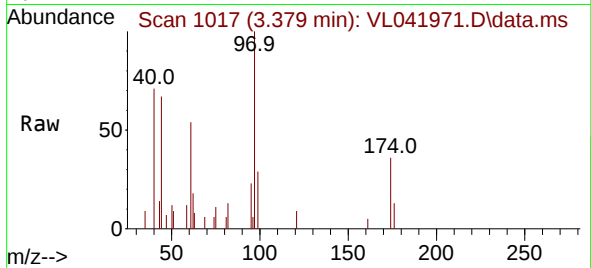
Tgt Ion: 62 Resp: 312
Ion Ratio Lower Upper
62 100
64 0.0 26.1 39.1#





#32
1,1,1-Trichloroethane
Concen: 0.035 ppbv m
RT: 3.379 min Scan# 1017
Delta R.T. -0.000 min
Lab File: VL041971.D
Acq: 03 Feb 2025 21:01

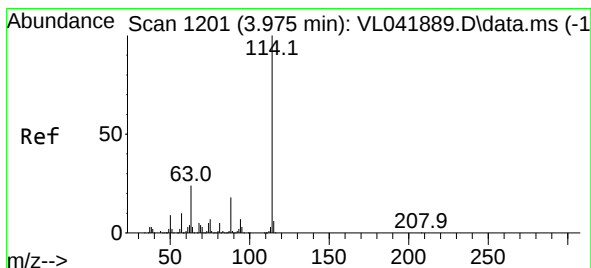
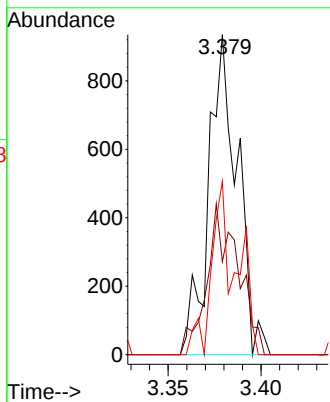
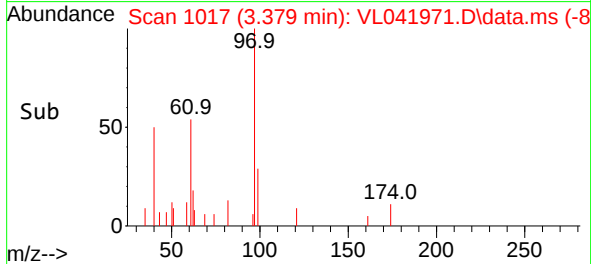
Instrument :
MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2025



Tgt Ion: 97 Resp: 1009
Ion Ratio Lower Upper
97 100
99 51.1 51.1 76.7
61 46.7 39.0 58.6

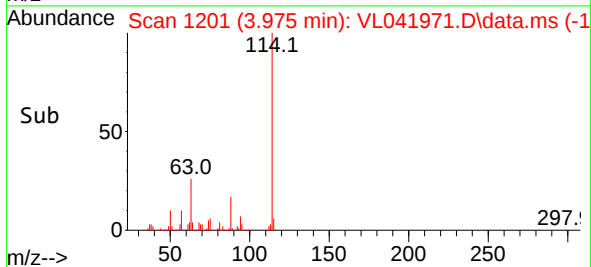
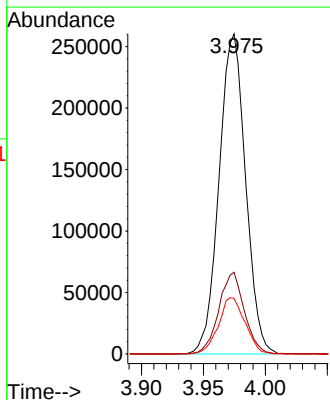
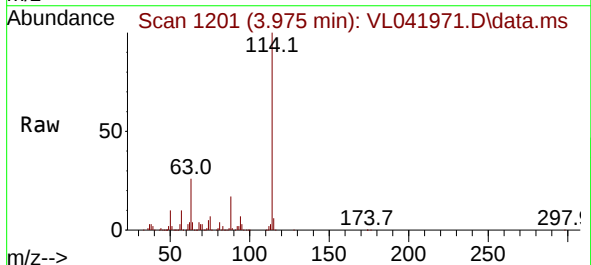
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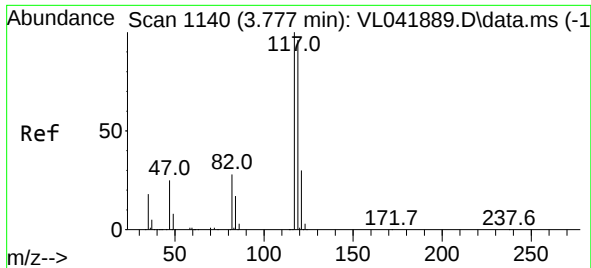
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.000 min
Lab File: VL041971.D
Acq: 03 Feb 2025 21:01

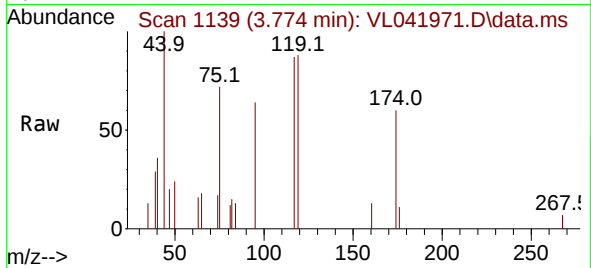
Tgt Ion:114 Resp: 388505
Ion Ratio Lower Upper
114 100
63 24.7 19.8 29.6
88 17.6 14.4 21.6





#35
Carbon Tetrachloride
Concen: 0.035 ppbv m
RT: 3.774 min Scan# 1139
Delta R.T. -0.003 min
Lab File: VL041971.D
Acq: 03 Feb 2025 21:01

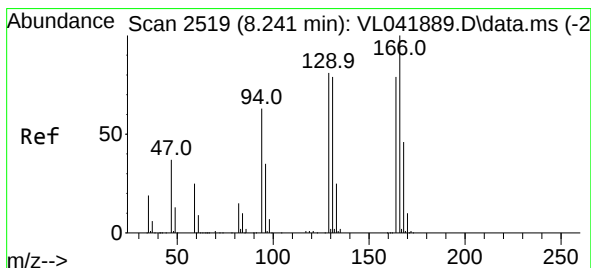
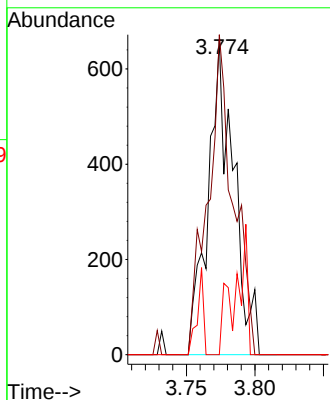
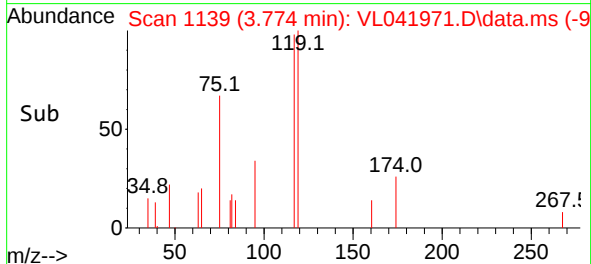
Instrument : MSVOA_L
ClientSampleId :
LOQ-AIR-02-QT1-2025



Tgt Ion:117 Resp: 858
Ion Ratio Lower Upper
117 100
119 101.7 76.9 115.3
121 0.0 23.8 35.6

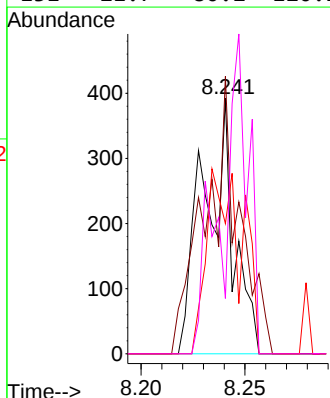
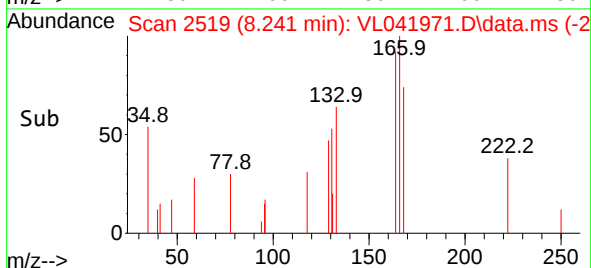
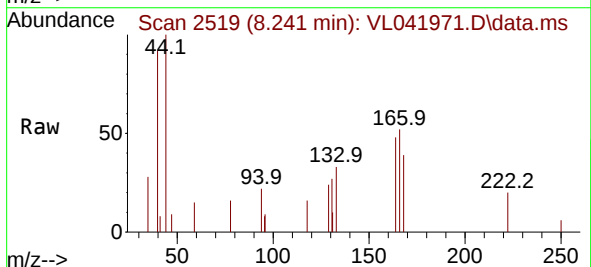
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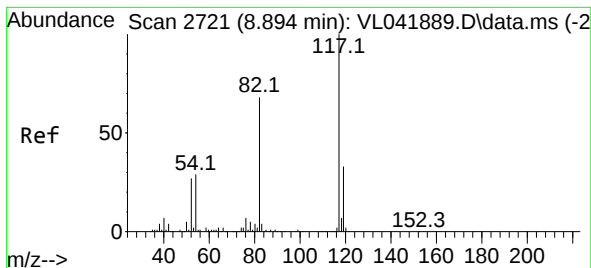
Reviewed By :Semsettin Yesilyurt 02/04/2025
Supervised By :Mahesh Dadoda 02/04/2025



#52
Tetrachloroethene
Concen: 0.032 ppbv m
RT: 8.241 min Scan# 2519
Delta R.T. -0.000 min
Lab File: VL041971.D
Acq: 03 Feb 2025 21:01

Tgt Ion:164 Resp: 393
Ion Ratio Lower Upper
164 100
166 108.7 100.8 151.2
129 51.0 82.0 123.0#
131 21.7 80.2 120.2#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.898 min Scan# 21

Delta R.T. 0.003 min

Lab File: VL041971.D

Acq: 03 Feb 2025 21:01

Instrument :

MSVOA_L

ClientSampleId :

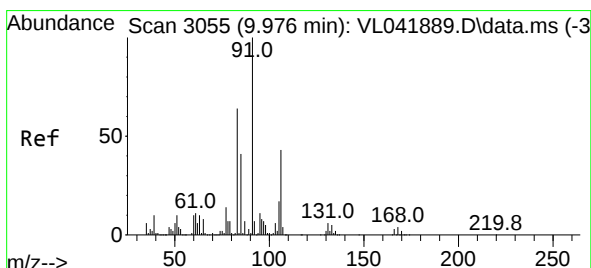
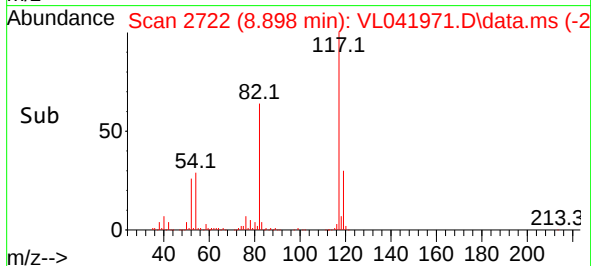
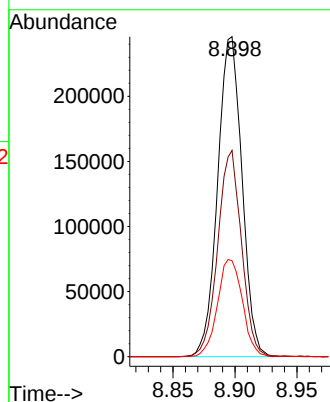
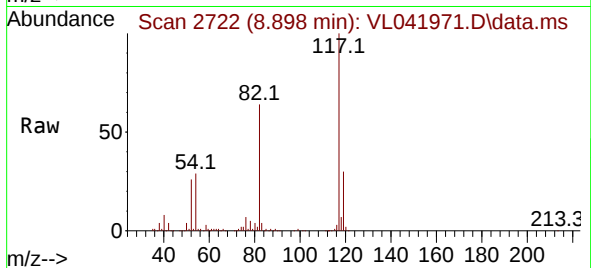
LOQ-AIR-02-QT1-2025

Tgt Ion:	117	Resp:	33688
Ion Ratio	Lower	Upper	
117	100		
82	62.8	54.2	81.4
119	31.3	25.0	37.6

Manual Integrations

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#63

1,1,2,2-Tetrachloroethane

Concen: 0.037 ppbv m

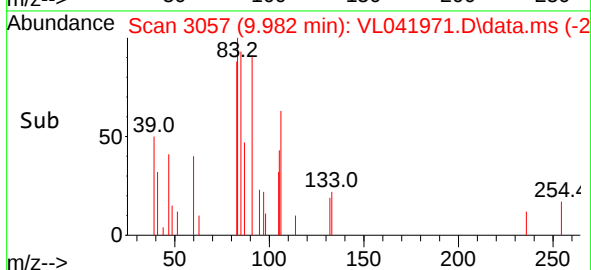
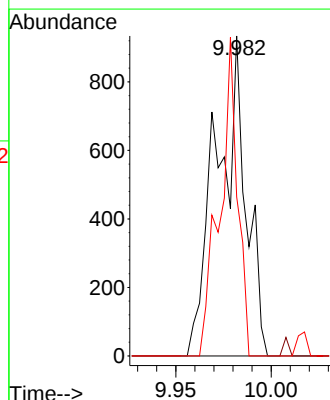
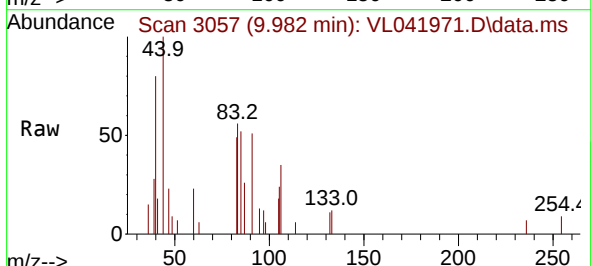
RT: 9.982 min Scan# 3057

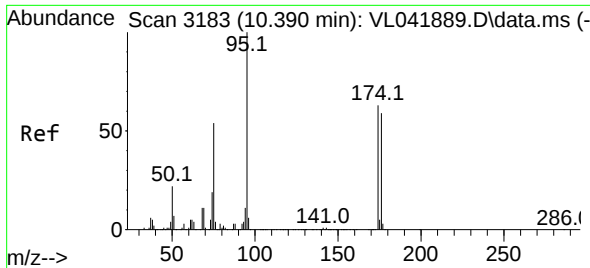
Delta R.T. 0.006 min

Lab File: VL041971.D

Acq: 03 Feb 2025 21:01

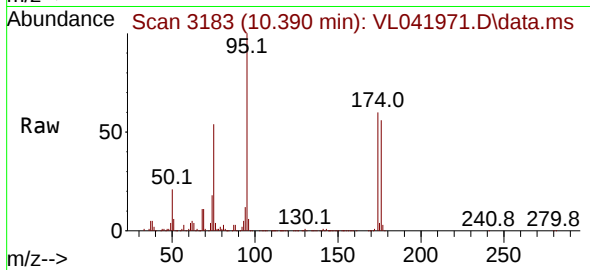
Tgt Ion:	83	Resp:	1003
Ion Ratio	Lower	Upper	
83	100		
131	0.0	4.8	14.4
85	60.0	32.4	97.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.348 ppbv
 RT: 10.390 min Scan# 3183
 Delta R.T. -0.000 min
 Lab File: VL041971.D
 Acq: 03 Feb 2025 21:01

Instrument : MSVOA_L
 ClientSampleId :
 LOQ-AIR-02-QT1-2025



Tgt Ion: 95 Resp: 248035

Ion	Ratio	Lower	Upper
95	100		
174	58.7	49.0	73.4
175	4.6	3.8	5.8

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