

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
 Data File : VL042500.D
 Acq On : 06 May 2025 17:04
 Operator : SY/MD
 Sample : MDL3 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL3 0.03

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025
 Supervised By :Mahesh Dadoda 05/09/2025

Quant Time: May 07 02:47:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	65653	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	166790	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.891	117	142443	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	129628	9.815	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	147m	0.032	ppbv	
32) 1,1,1-Trichloroethane	3.376	97	653m	0.038	ppbv	
35) Carbon Tetrachloride	3.765	117	656m	0.043	ppbv	
38) Trichloroethene	4.567	130	311m	0.052	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	422m	0.031	ppbv	

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

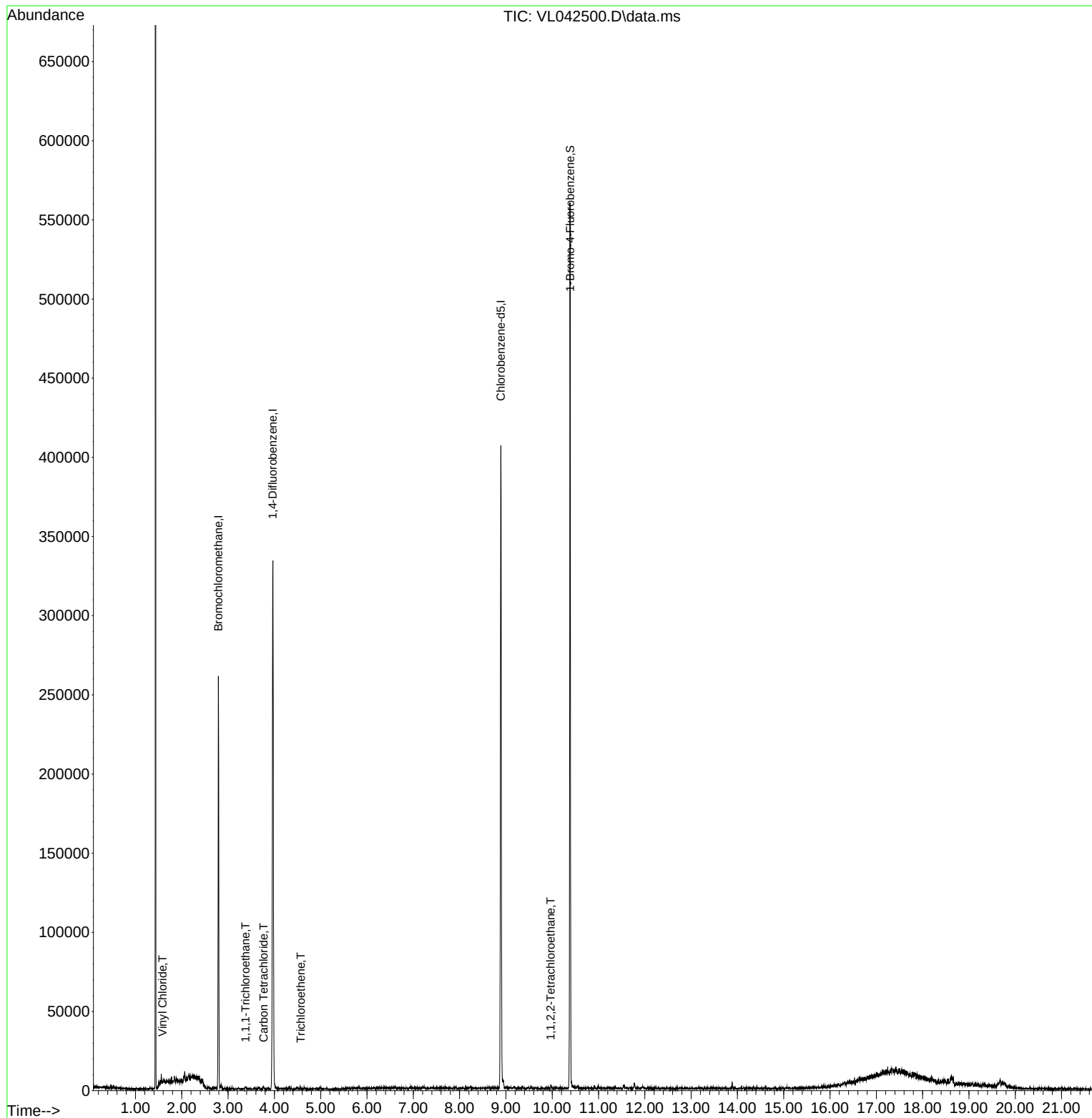
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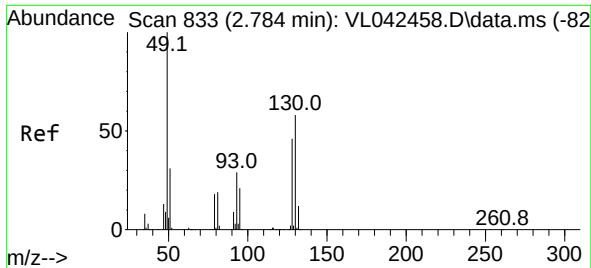
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MDL3 0.03

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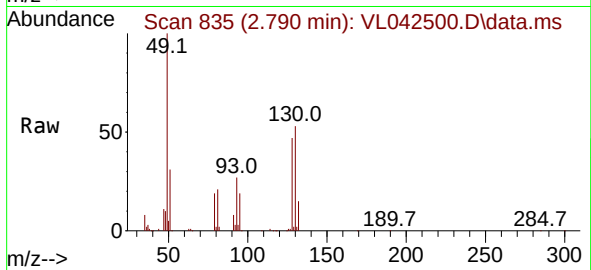
Quant Time: May 07 02:47:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042500.D
Acq: 06 May 2025 17:04

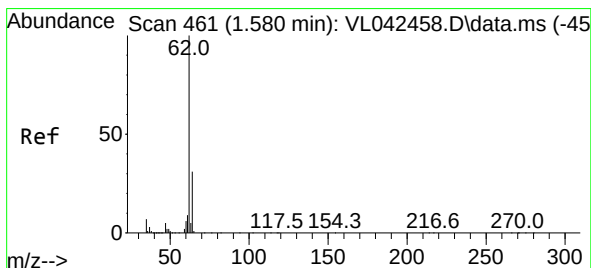
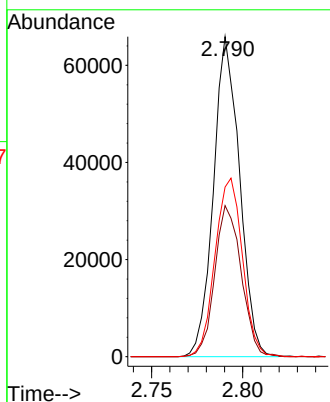
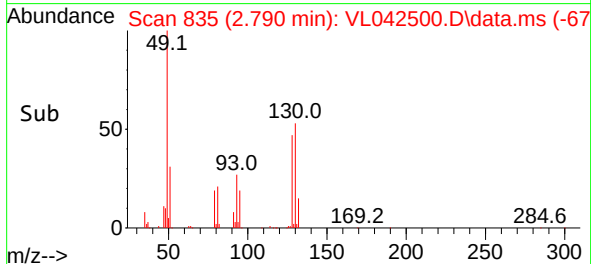
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.03



Tgt Ion: 49 Resp: 6565
Ion Ratio Lower Upper
49 100
128 48.0 23.3 69.9
130 58.6 29.5 88.6

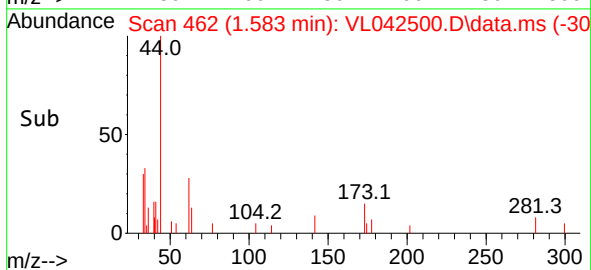
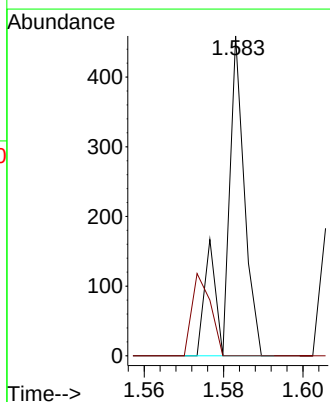
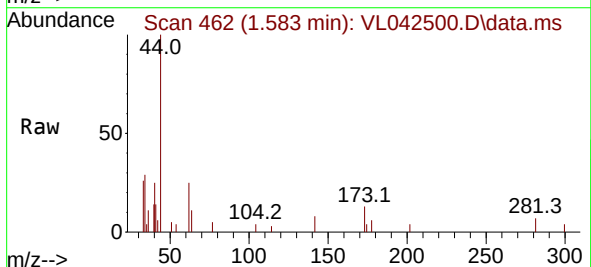
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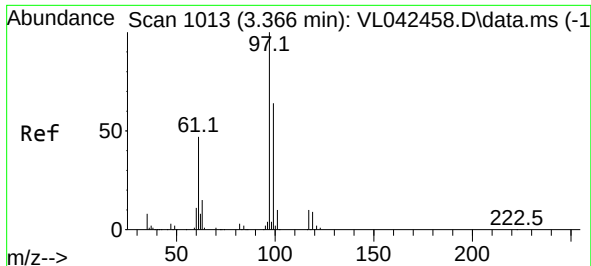
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#5
Vinyl Chloride
Concen: 0.032 ppbv m
RT: 1.583 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL042500.D
Acq: 06 May 2025 17:04

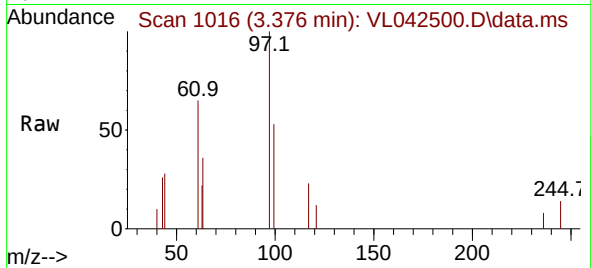
Tgt Ion: 62 Resp: 147
Ion Ratio Lower Upper
62 100
64 0.0 24.9 37.3#





#32
1,1,1-Trichloroethane
Concen: 0.038 ppbv m
RT: 3.376 min Scan# 1013
Delta R.T. 0.010 min
Lab File: VL042500.D
Acq: 06 May 2025 17:04

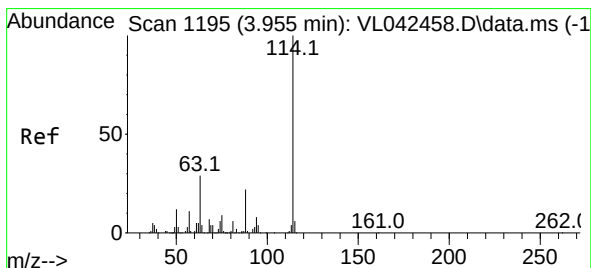
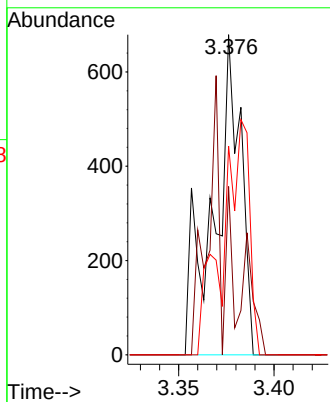
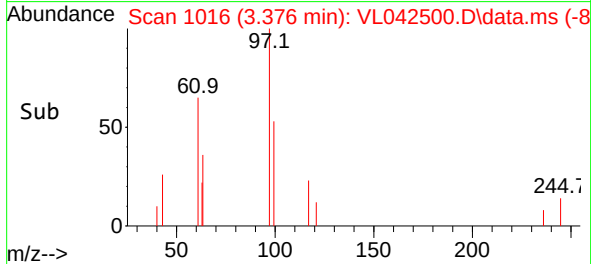
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.03



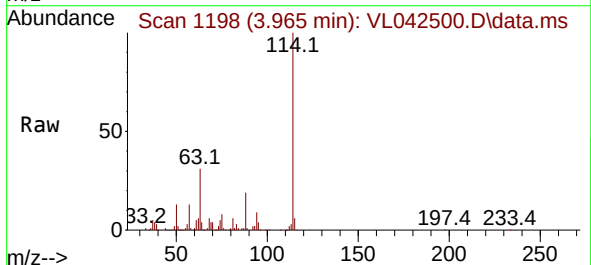
Tgt Ion: 97 Resp: 65
Ion Ratio Lower Upper
97 100
99 66.0 50.7 76.1
61 0.0 40.9 61.3

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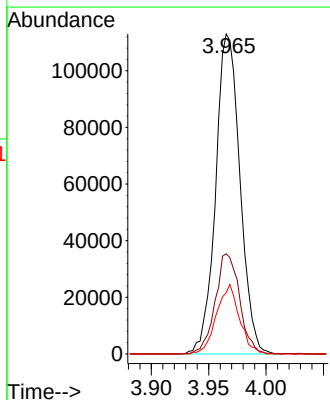
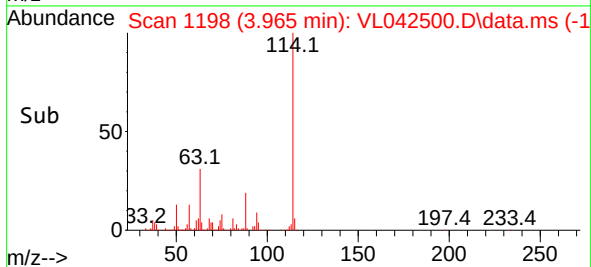
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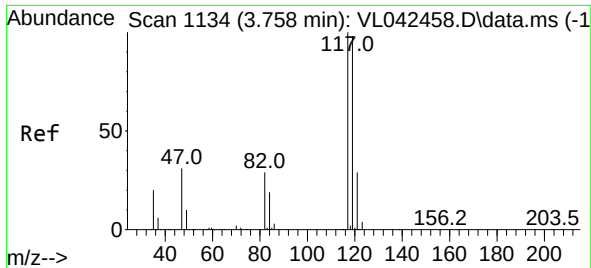


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.010 min
Lab File: VL042500.D
Acq: 06 May 2025 17:04



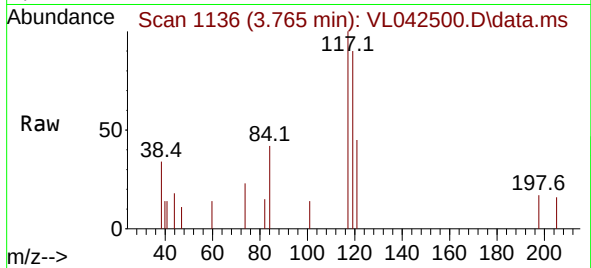
Tgt Ion:114 Resp: 166790
Ion Ratio Lower Upper
114 100
63 31.3 23.1 34.7
88 20.5 16.1 24.1





#35
Carbon Tetrachloride
Concen: 0.043 ppbv m
RT: 3.765 min Scan# 1134
Delta R.T. 0.007 min
Lab File: VL042500.D
Acq: 06 May 2025 17:04

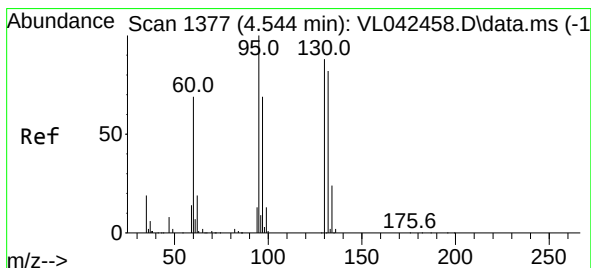
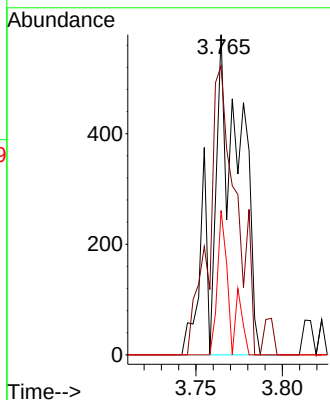
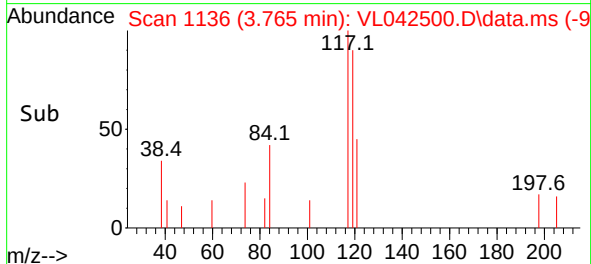
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.03



Tgt Ion:117 Resp: 650
Ion Ratio Lower Upper
117 100
119 90.3 78.1 117.1
121 45.1 23.0 34.6

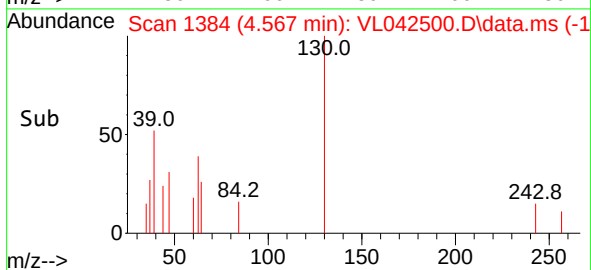
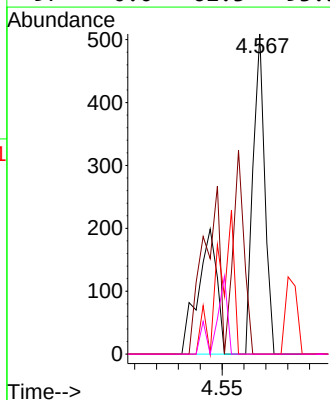
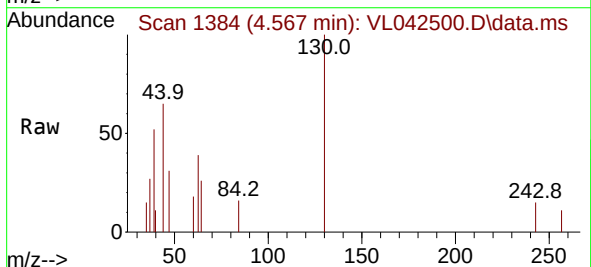
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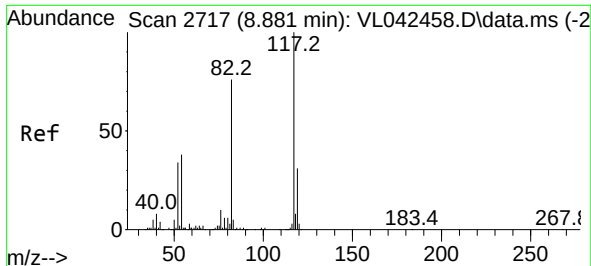
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#38
Trichloroethene
Concen: 0.052 ppbv m
RT: 4.567 min Scan# 1384
Delta R.T. 0.023 min
Lab File: VL042500.D
Acq: 06 May 2025 17:04

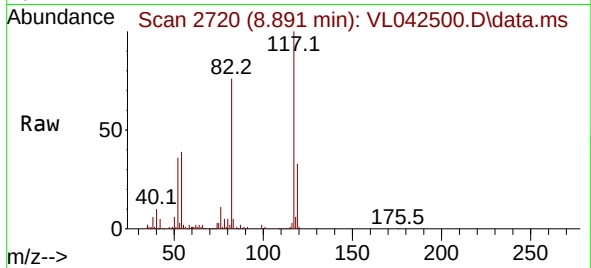
Tgt Ion:130 Resp: 311
Ion Ratio Lower Upper
130 100
95 0.0 91.0 136.4#
132 0.0 74.2 111.4#
97 0.0 62.3 93.5#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042500.D
Acq: 06 May 2025 17:04

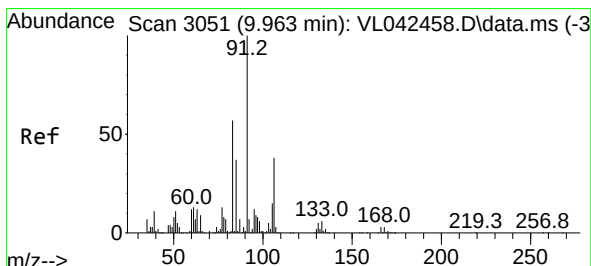
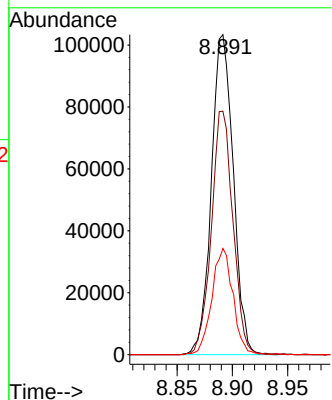
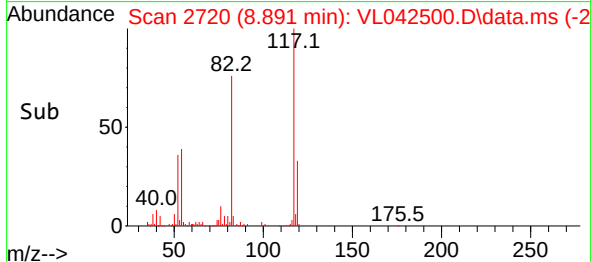
Instrument :
MSVOA_L
ClientSampleId :
MDL3 0.03



Tgt Ion: 117 Resp: 14244
Ion Ratio Lower Upper
117 100
82 75.0 63.5 95.3
119 32.1 25.8 38.8

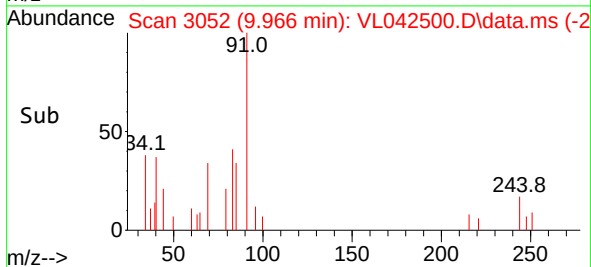
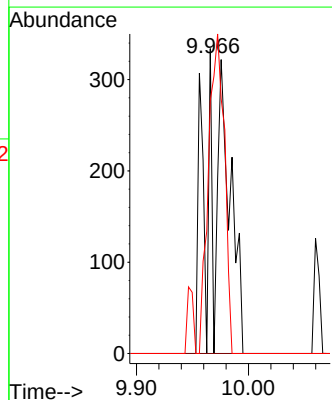
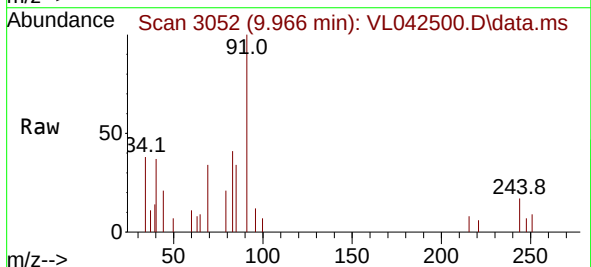
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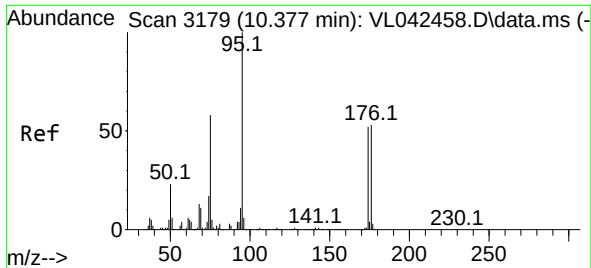
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.031 ppbv m
RT: 9.966 min Scan# 3052
Delta R.T. 0.003 min
Lab File: VL042500.D
Acq: 06 May 2025 17:04

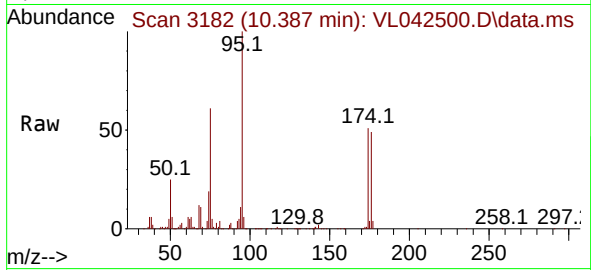
Tgt Ion: 83 Resp: 422
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.1#
85 88.4 32.5 97.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.815 ppbv
 RT: 10.387 min Scan# 3179
 Delta R.T. 0.010 min
 Lab File: VL042500.D
 Acq: 06 May 2025 17:04

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL3 0.03



Tgt Ion: 95 Resp: 129628
 Ion Ratio Lower Upper
 95 100
 174 53.6 42.7 64.1
 175 4.3 3.6 5.4

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