

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
 Data File : VL042504.D
 Acq On : 06 May 2025 19:10
 Operator : SY/MD
 Sample : MDL1 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL1 0.1

Manual Integrations
 APPROVED

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

Quant Time: May 07 03:22:22 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	2.797	49	70745	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.971	114	178066	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.898	117	148825	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	132955	9.636	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.400%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	743m	0.151	ppbv	
32) 1,1,1-Trichloroethane	3.373	97	2201	0.120	ppbv #	92
35) Carbon Tetrachloride	3.781	117	1976m	0.122	ppbv	
38) Trichloroethene	4.570	130	807m	0.126	ppbv	
52) Tetrachloroethene	8.234	164	734m	0.115	ppbv	
54) 1,2-Dibromoethane	7.674	107	1025m	0.097	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.975	83	1772m	0.123	ppbv	
79) Naphthalene	13.520	128	761m	0.035	ppbv	

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

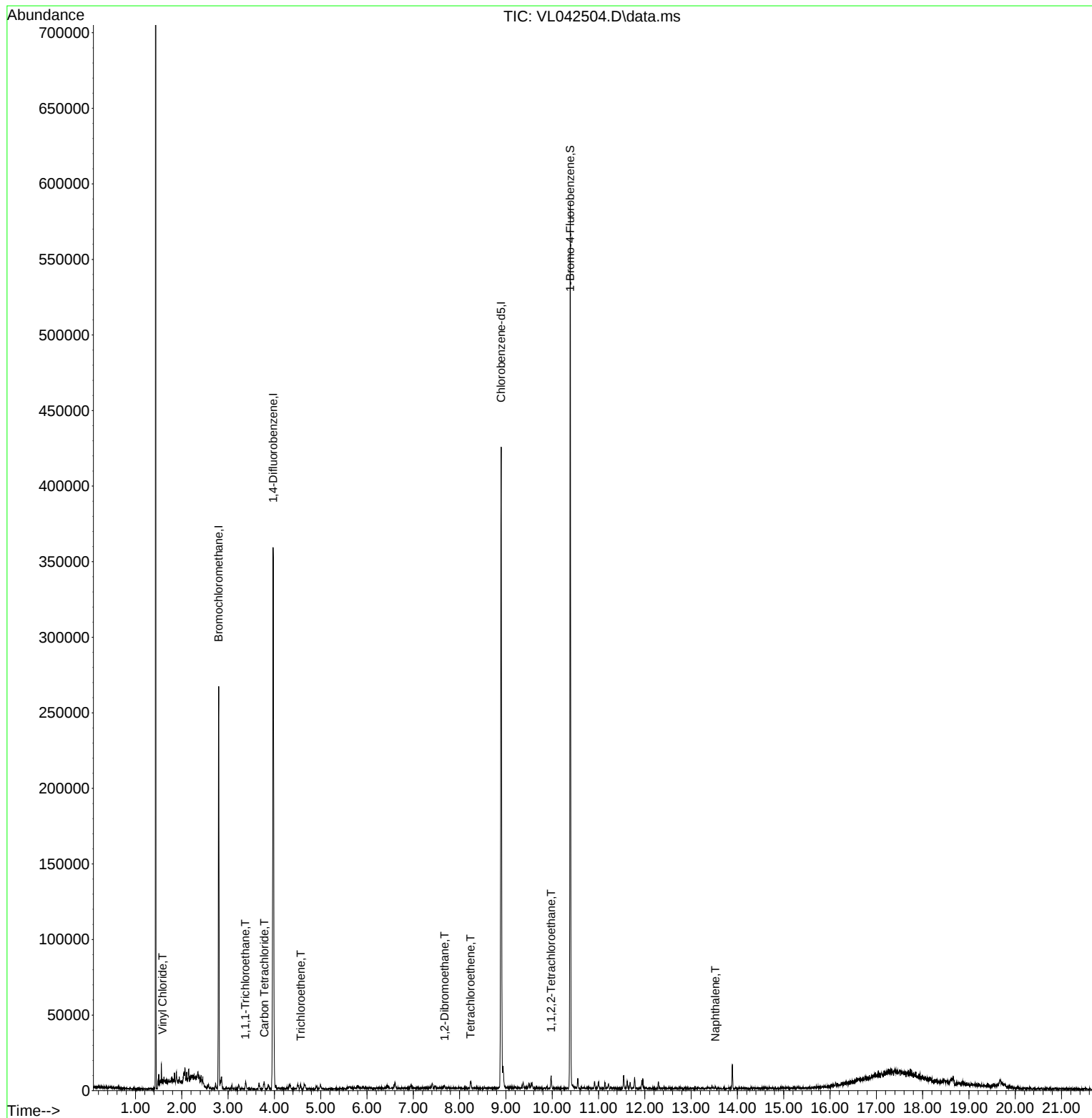
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042504.D
Acq On : 06 May 2025 19:10
Operator : SY/MD
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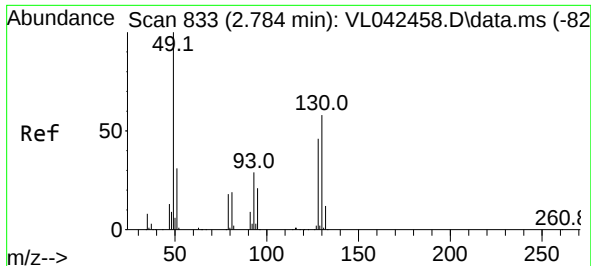
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

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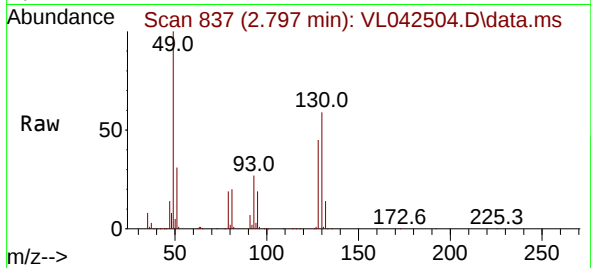
Quant Time: May 07 03:22:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 02 03:16:31 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042504.D
Acq: 06 May 2025 19:10

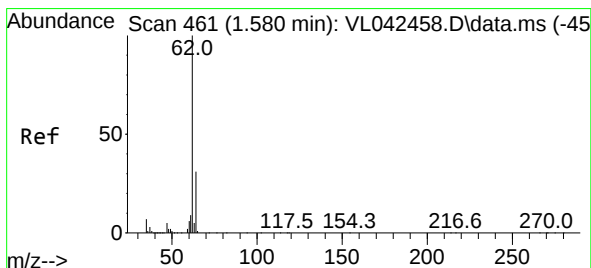
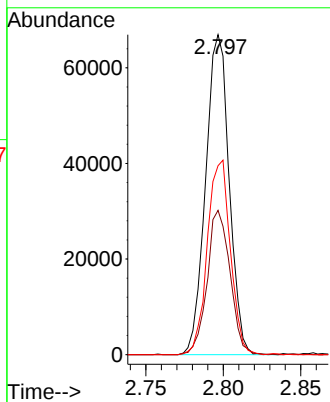
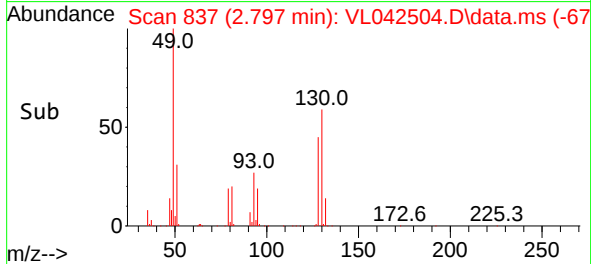
Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1



Tgt Ion: 49 Resp: 7074
Ion Ratio Lower Upper
49 100
128 43.9 23.3 69.9
130 59.6 29.5 88.6

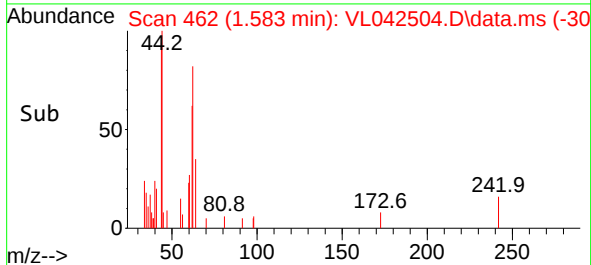
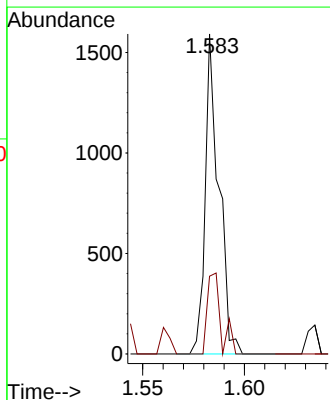
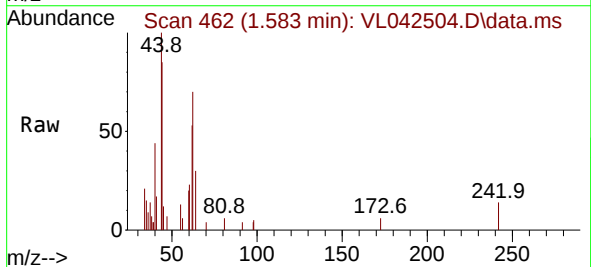
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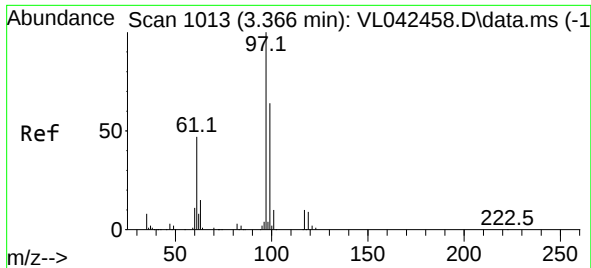
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#5
Vinyl Chloride
Concen: 0.151 ppbv m
RT: 1.583 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL042504.D
Acq: 06 May 2025 19:10

Tgt Ion: 62 Resp: 743
Ion Ratio Lower Upper
62 100
64 42.7 24.9 37.3#





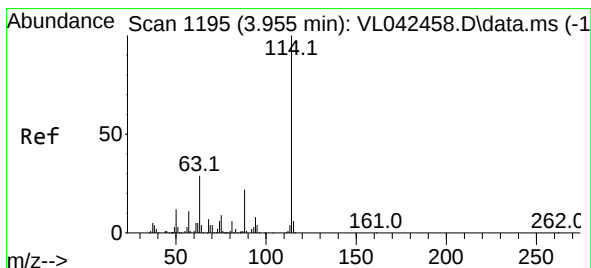
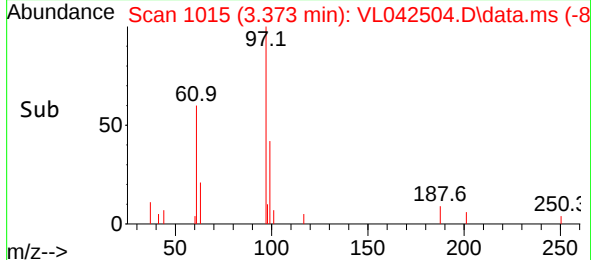
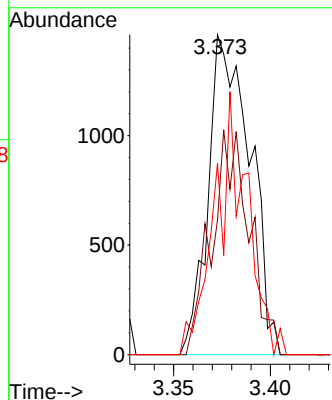
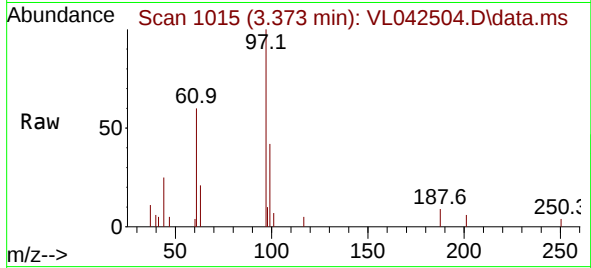
#32
1,1,1-Trichloroethane
Concen: 0.120 ppbv
RT: 3.373 min Scan# 1013
Delta R.T. 0.006 min
Lab File: VL042504.D
Acq: 06 May 2025 19:10

Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

Tgt Ion: 97 Resp: 220
Ion Ratio Lower Upper
97 100
99 63.1 50.7 76.1
61 63.2 40.9 61.3

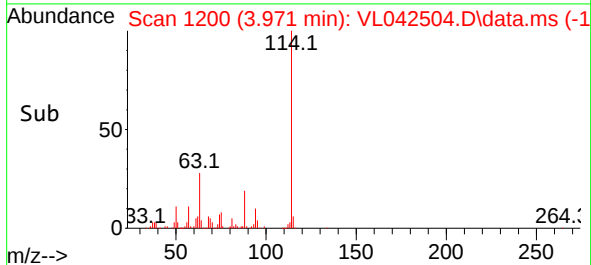
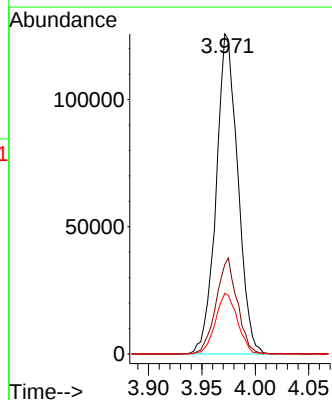
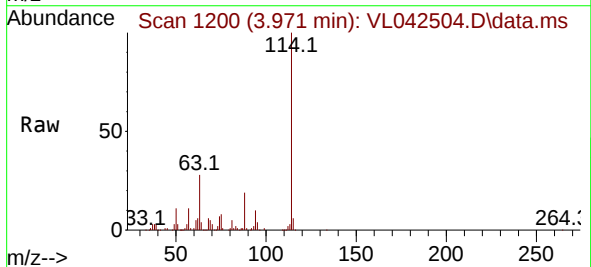
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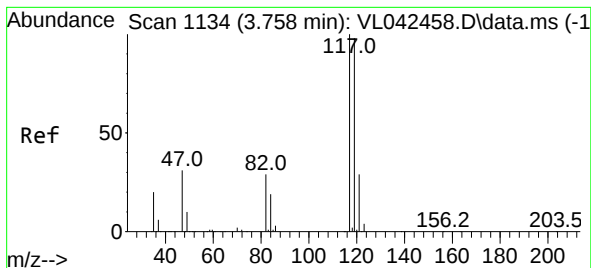
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.971 min Scan# 1200
Delta R.T. 0.016 min
Lab File: VL042504.D
Acq: 06 May 2025 19:10

Tgt Ion:114 Resp: 178066
Ion Ratio Lower Upper
114 100
63 29.4 23.1 34.7
88 19.2 16.1 24.1





#35

Carbon Tetrachloride

Concen: 0.122 ppbv m

RT: 3.781 min Scan# 1141

Delta R.T. 0.023 min

Lab File: VL042504.D

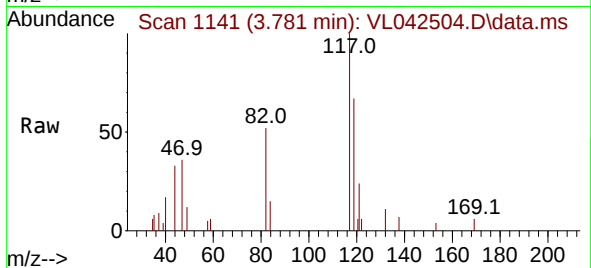
Acq: 06 May 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

MDL1 0.1



Tgt Ion:117 Resp: 1970

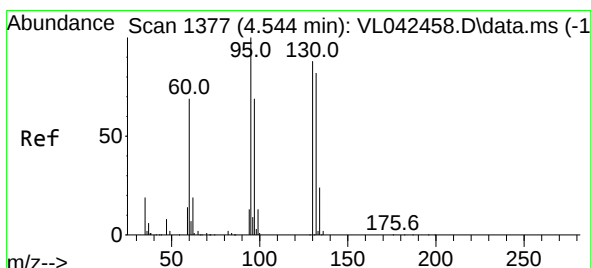
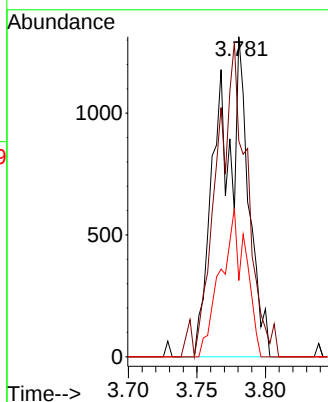
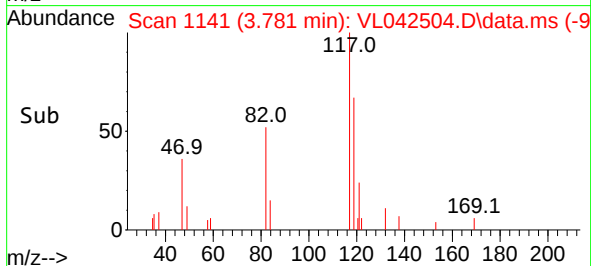
Ion	Ratio	Lower	Upper
117	100		
119	67.4	78.1	117.1
121	23.8	23.0	34.6

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Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#38

Trichloroethene

Concen: 0.126 ppbv m

RT: 4.570 min Scan# 1385

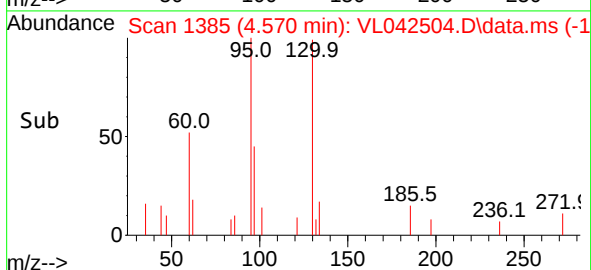
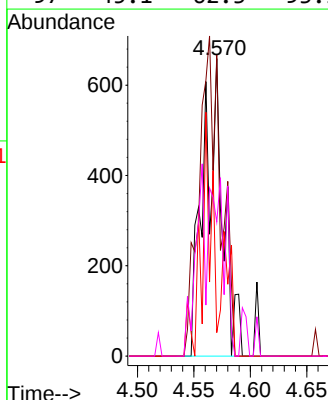
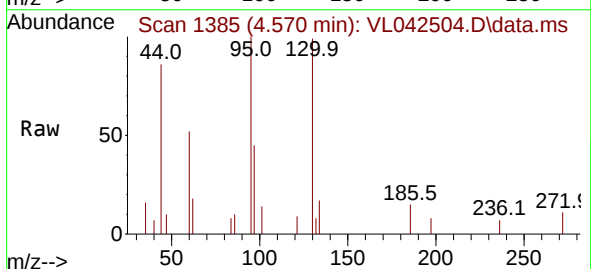
Delta R.T. 0.026 min

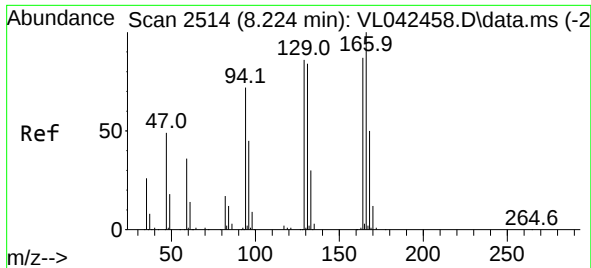
Lab File: VL042504.D

Acq: 06 May 2025 19:10

Tgt Ion:130 Resp: 807

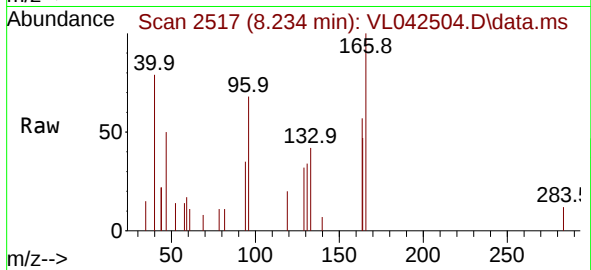
Ion	Ratio	Lower	Upper
130	100		
95	101.2	91.0	136.4
132	7.9	74.2	111.4#
97	45.1	62.3	93.5#





#52
Tetrachloroethene
Concen: 0.115 ppbv m
RT: 8.234 min Scan# 2514
Delta R.T. 0.010 min
Lab File: VL042504.D
Acq: 06 May 2025 19:10

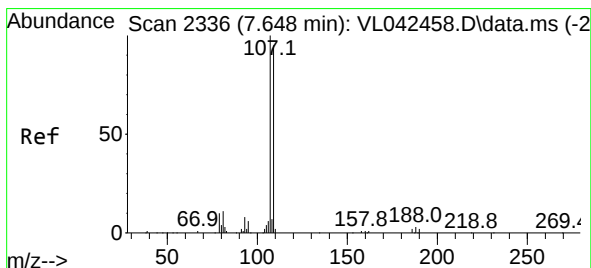
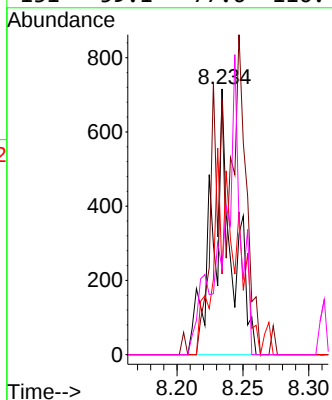
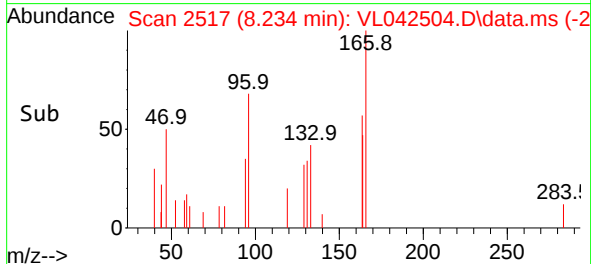
Instrument : MSVOA_L
ClientSampleId : MDL1 0.1



Tgt Ion:164 Resp: 734
Ion Ratio Lower Upper
164 100
166 176.0 91.6 137.4
129 55.5 79.0 118.4
131 59.1 77.6 116.4

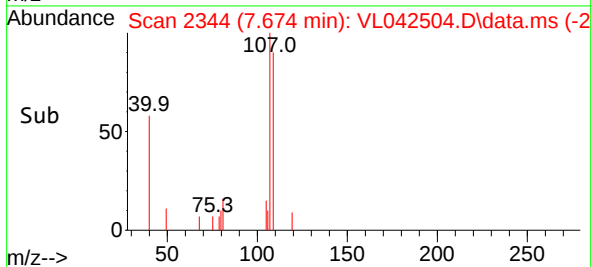
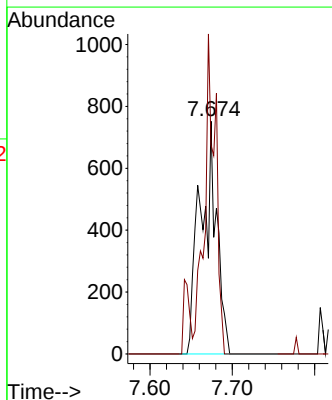
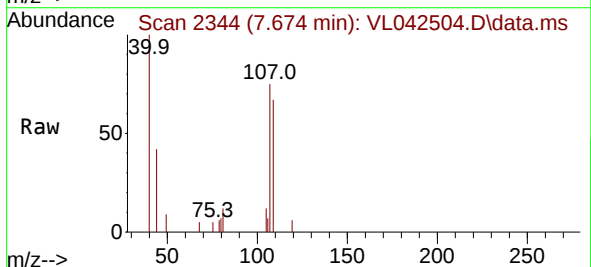
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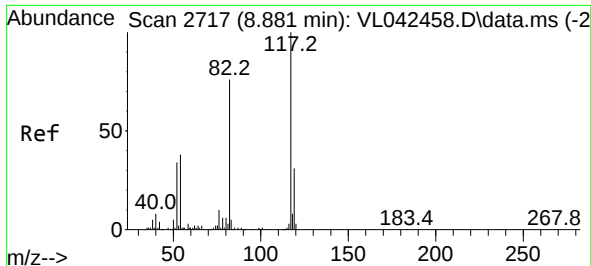
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#54
1,2-Dibromoethane
Concen: 0.097 ppbv m
RT: 7.674 min Scan# 2344
Delta R.T. 0.026 min
Lab File: VL042504.D
Acq: 06 May 2025 19:10

Tgt Ion:107 Resp: 1025
Ion Ratio Lower Upper
107 100
109 89.8 76.0 114.0





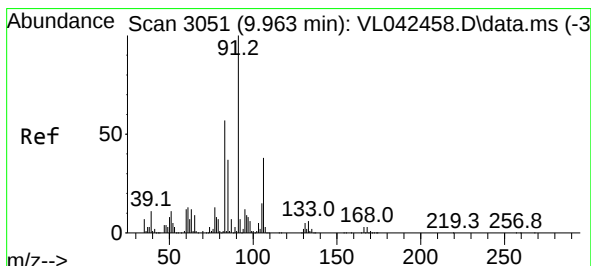
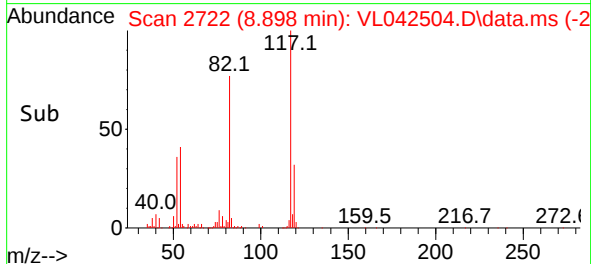
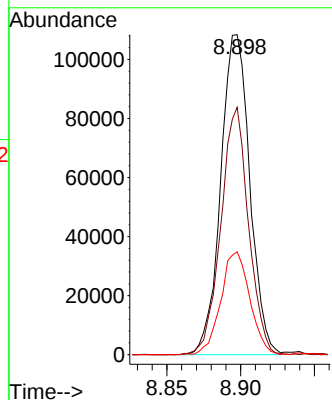
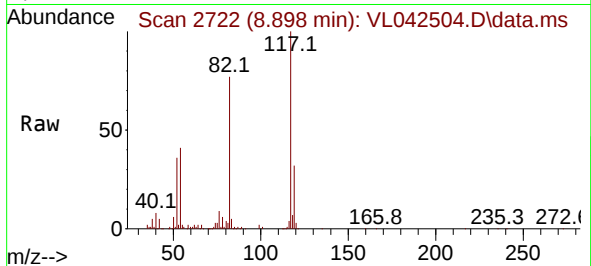
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL042504.D
Acq: 06 May 2025 19:10

Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

Tgt Ion: 117 Resp: 14882
Ion Ratio Lower Upper
117 100
82 73.5 63.5 95.3
119 32.5 25.8 38.8

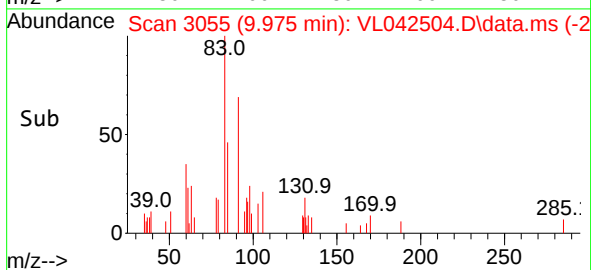
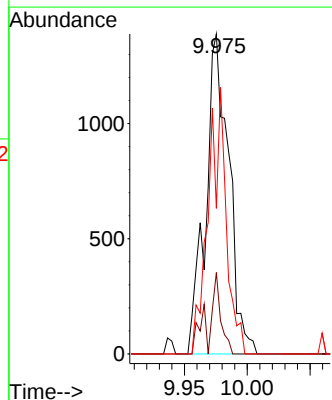
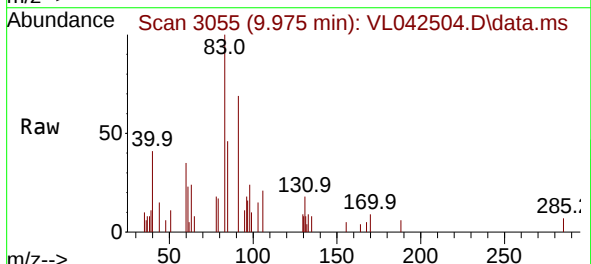
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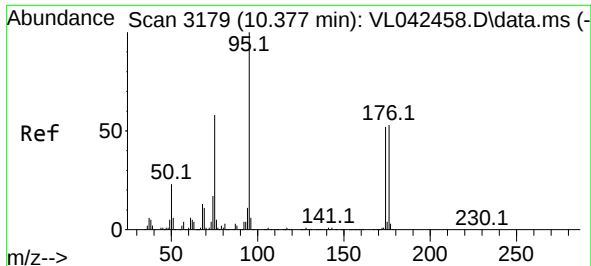
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.123 ppbv m
RT: 9.975 min Scan# 3055
Delta R.T. 0.013 min
Lab File: VL042504.D
Acq: 06 May 2025 19:10

Tgt Ion: 83 Resp: 1772
Ion Ratio Lower Upper
83 100
131 14.1 4.7 14.1
85 64.3 32.5 97.4





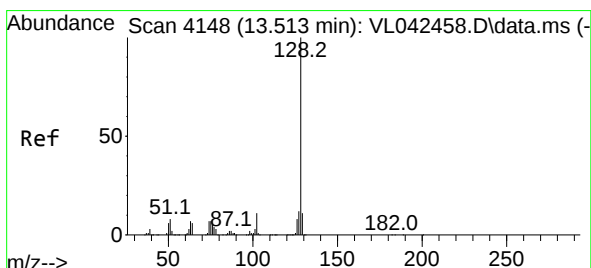
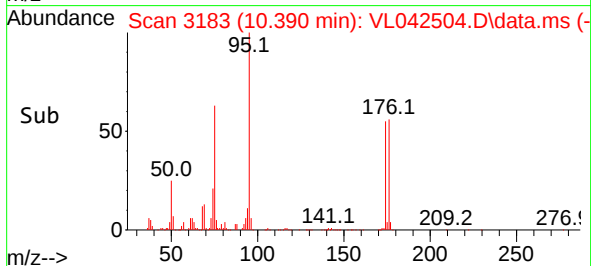
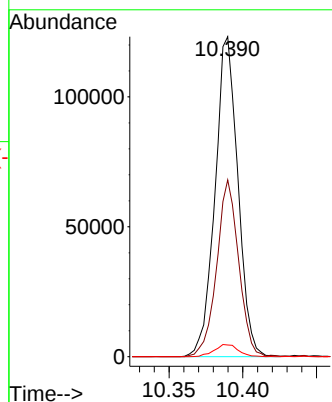
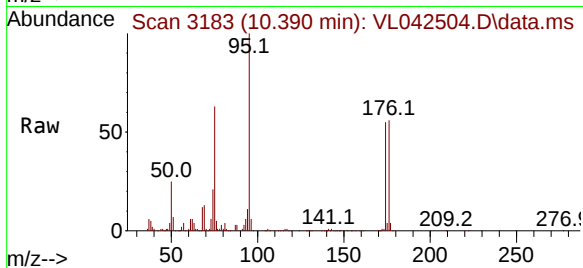
#68
1-Bromo-4-Fluorobenzene
Concen: 9.636 ppbv
RT: 10.390 min Scan# 3179
Delta R.T. 0.013 min
Lab File: VL042504.D
Acq: 06 May 2025 19:10

Instrument :
MSVOA_L
ClientSampleId :
MDL1 0.1

Tgt Ion: 95 Resp: 132958
Ion Ratio Lower Upper
95 100
174 53.3 42.7 64.1
175 4.1 3.6 5.4

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



#79
Naphthalene
Concen: 0.035 ppbv m
RT: 13.520 min Scan# 4150
Delta R.T. 0.006 min
Lab File: VL042504.D
Acq: 06 May 2025 19:10

Tgt Ion:128 Resp: 761
Ion Ratio Lower Upper
128 100
127 36.4 9.7 14.5#
129 13.3 8.6 13.0#

