

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
 Data File : VL042505.D
 Acq On : 06 May 2025 19:42
 Operator : SY/MD
 Sample : MDL2 0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MDL2 0.1

Manual Integrations
 APPROVED

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

Quant Time: May 07 03:23:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2025
 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	68187	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.972	114	178687	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.895	117	148905	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	135859	9.841	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.586	62	561	0.118	ppbv #	86
32) 1,1,1-Trichloroethane	3.379	97	2019m	0.114	ppbv	
35) Carbon Tetrachloride	3.781	117	2218m	0.137	ppbv	
38) Trichloroethene	4.564	130	683m	0.106	ppbv	
52) Tetrachloroethene	8.247	164	618m	0.096	ppbv	
54) 1,2-Dibromoethane	7.668	107	1138m	0.108	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.972	83	2002m	0.139	ppbv	
79) Naphthalene	13.529	128	883m	0.040	ppbv	

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

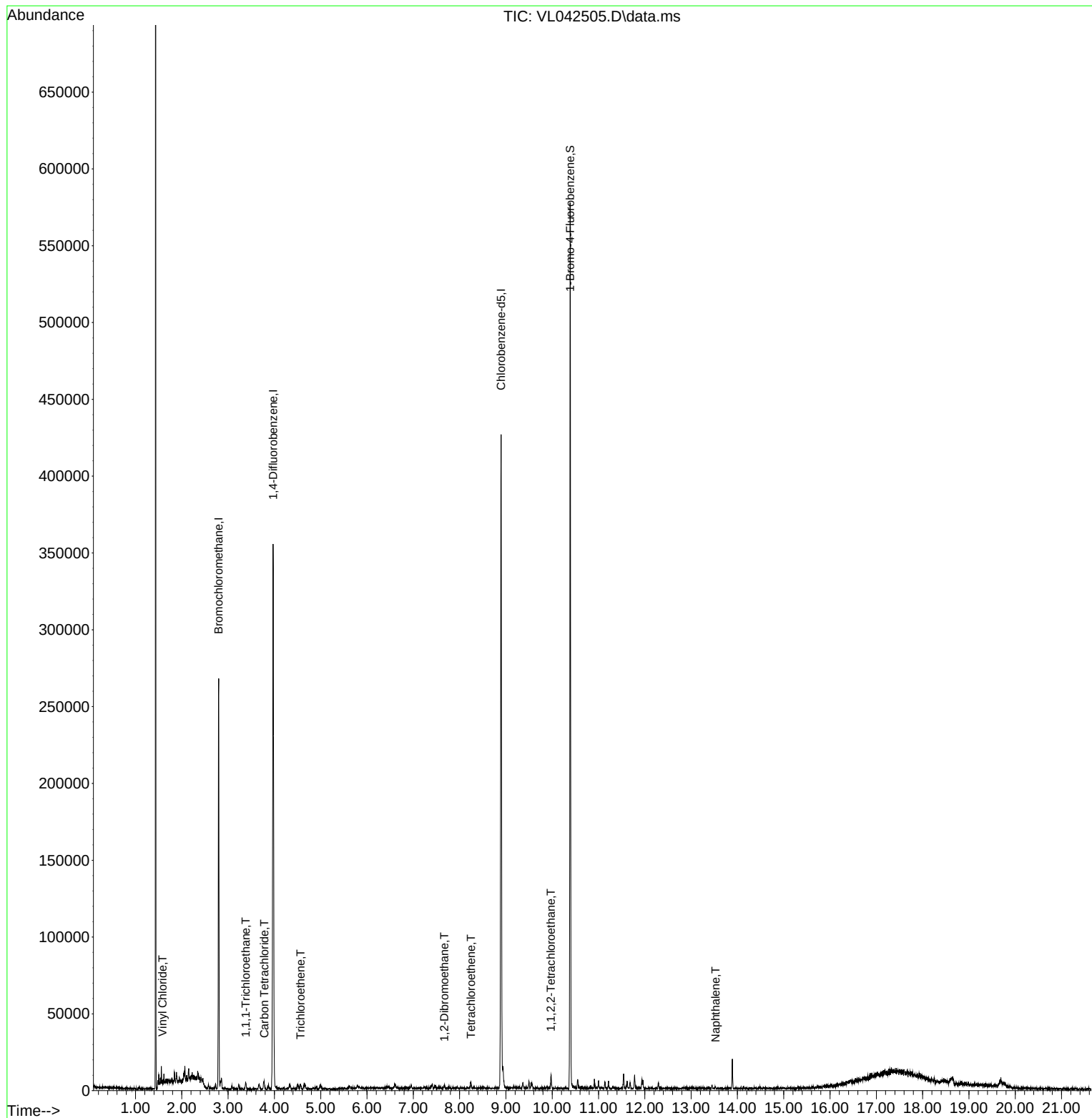
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050625\
Data File : VL042505.D
Acq On : 06 May 2025 19:42
Operator : SY/MD
Sample : MDL2 0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

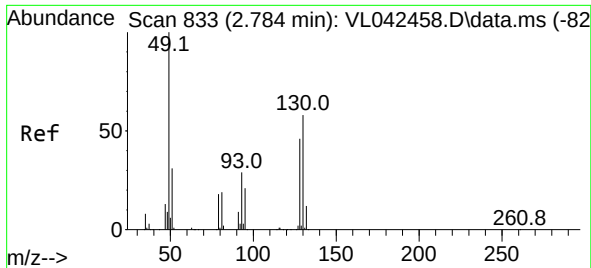
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.1

Manual Integrations
APPROVED

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

Quant Time: May 07 03:23:12 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





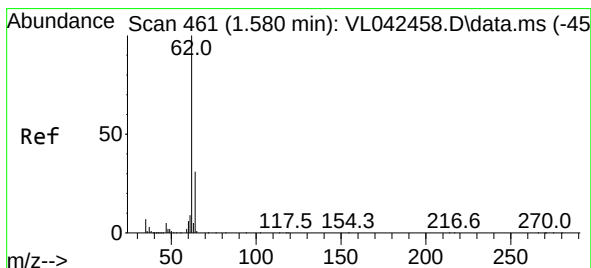
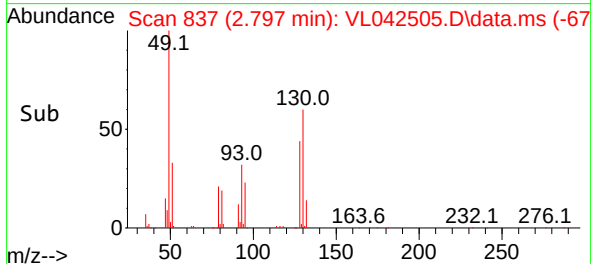
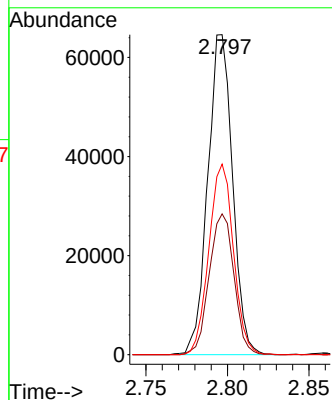
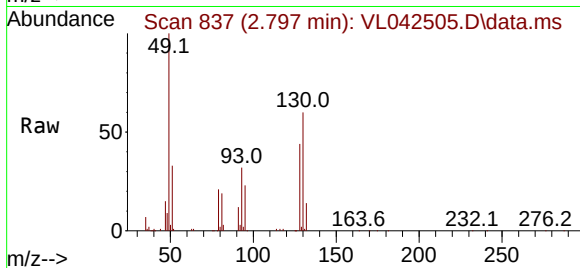
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.013 min
Lab File: VL042505.D
Acq: 06 May 2025 19:42

Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.1

Tgt Ion: 49 Resp: 6818
Ion Ratio Lower Upper
49 100
128 44.1 23.3 69.9
130 59.2 29.5 88.6

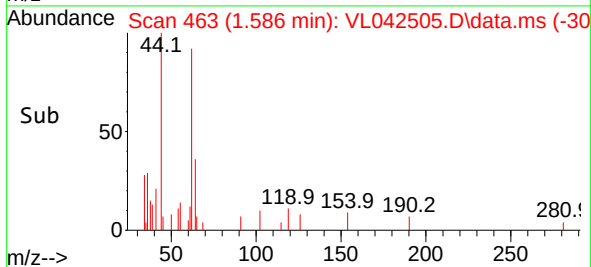
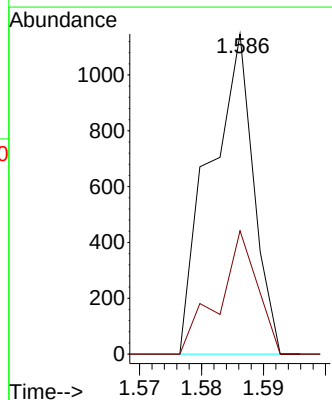
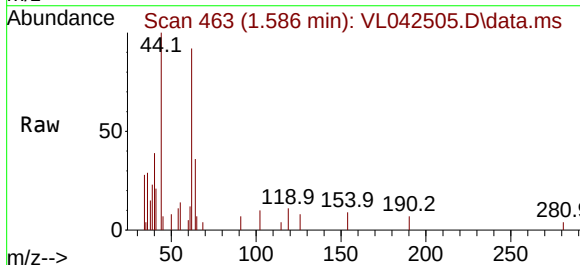
Manual Integrations
APPROVED

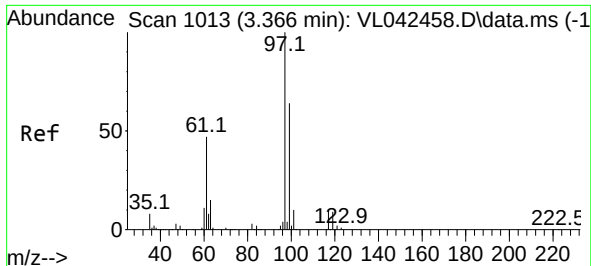
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#5
Vinyl Chloride
Concen: 0.118 ppbv
RT: 1.586 min Scan# 463
Delta R.T. 0.007 min
Lab File: VL042505.D
Acq: 06 May 2025 19:42

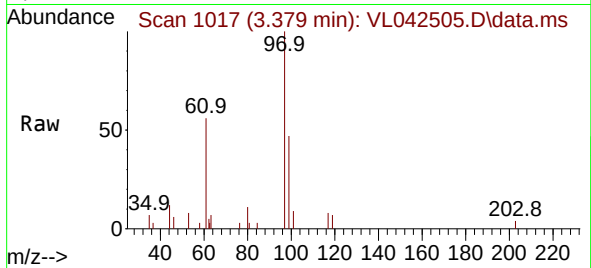
Tgt Ion: 62 Resp: 561
Ion Ratio Lower Upper
62 100
64 38.5 24.9 37.3#





#32
1,1,1-Trichloroethane
Concen: 0.114 ppbv m
RT: 3.379 min Scan# 1013
Delta R.T. 0.013 min
Lab File: VL042505.D
Acq: 06 May 2025 19:42

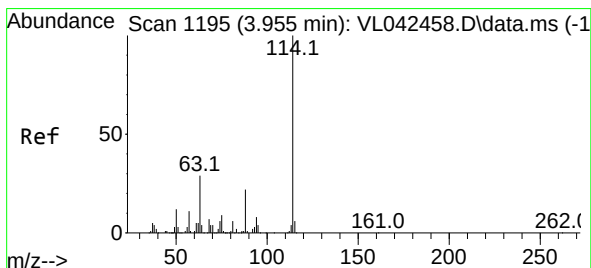
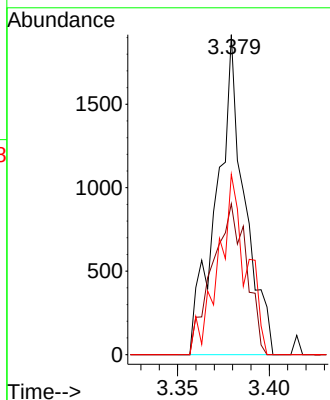
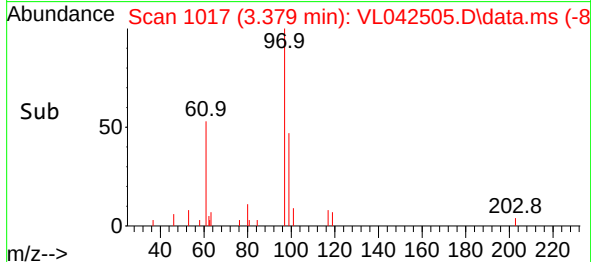
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.1



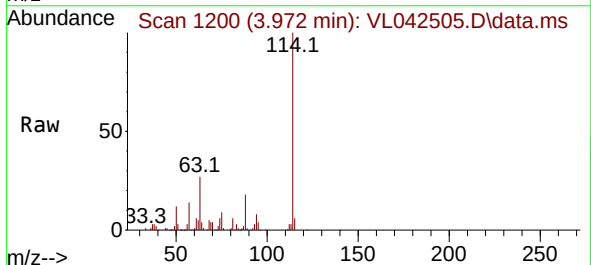
Tgt Ion: 97 Resp: 2019
Ion Ratio Lower Upper
97 100
99 57.8 50.7 76.1
61 56.9 40.9 61.3

Manual Integrations
APPROVED

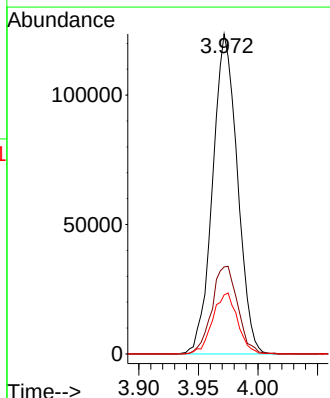
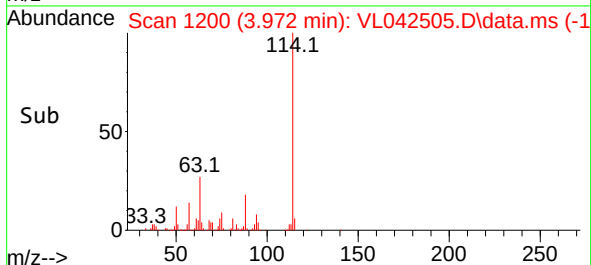
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025

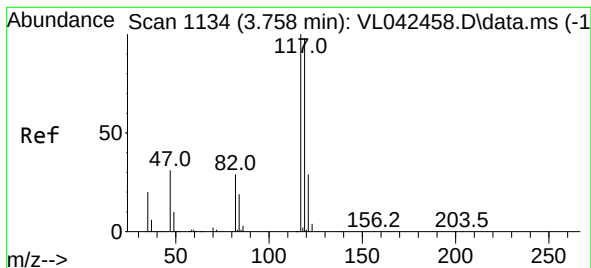


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1200
Delta R.T. 0.016 min
Lab File: VL042505.D
Acq: 06 May 2025 19:42



Tgt Ion:114 Resp: 178687
Ion Ratio Lower Upper
114 100
63 28.7 23.1 34.7
88 19.2 16.1 24.1





#35

Carbon Tetrachloride

Concen: 0.137 ppbv m

RT: 3.781 min Scan# 1141

Delta R.T. 0.023 min

Lab File: VL042505.D

Acq: 06 May 2025 19:42

Instrument :

MSVOA_L

ClientSampleId :

MDL2 0.1

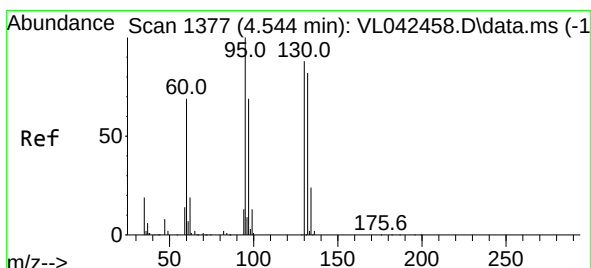
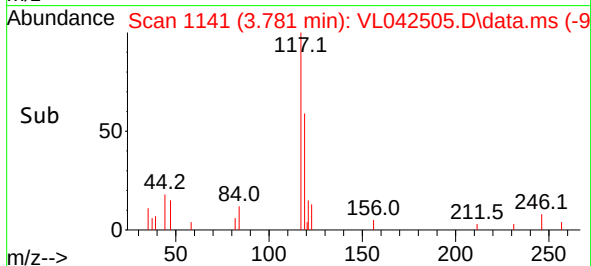
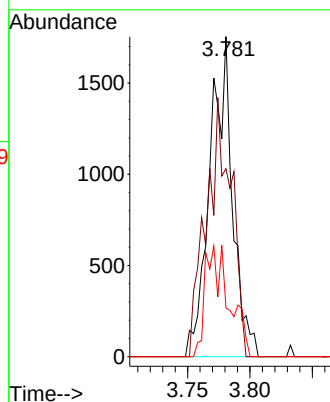
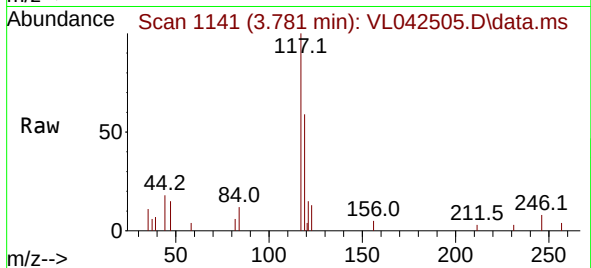
Tgt Ion:	117	Resp:	2218
Ion	Ratio	Lower	Upper
117	100		
119	58.7	78.1	117.1
121	15.2	23.0	34.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/07/2025

Supervised By :Mahesh Dadoda 05/09/2025



#38

Trichloroethene

Concen: 0.106 ppbv m

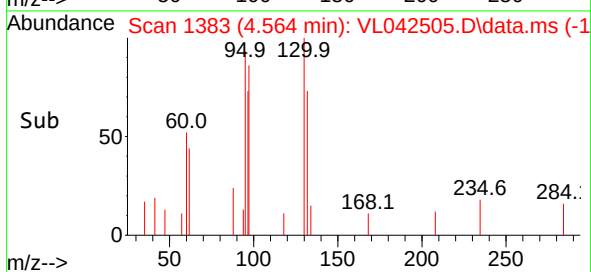
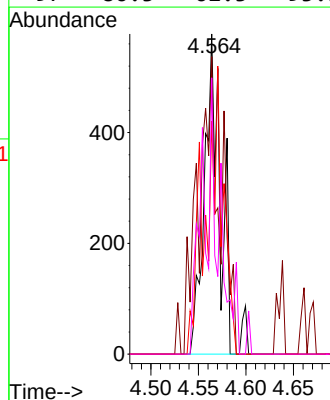
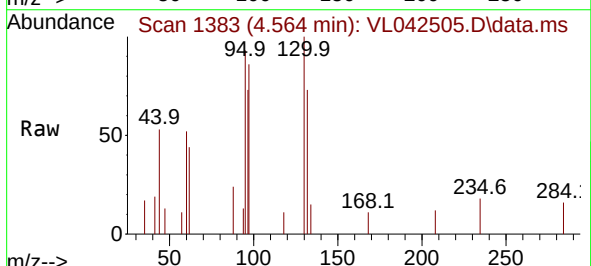
RT: 4.564 min Scan# 1383

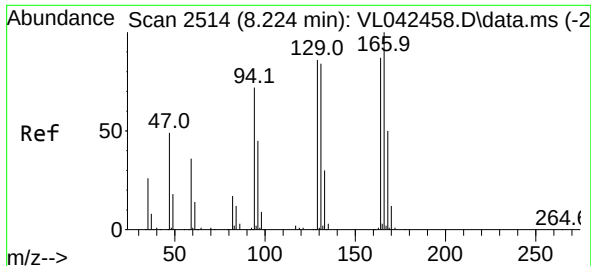
Delta R.T. 0.020 min

Lab File: VL042505.D

Acq: 06 May 2025 19:42

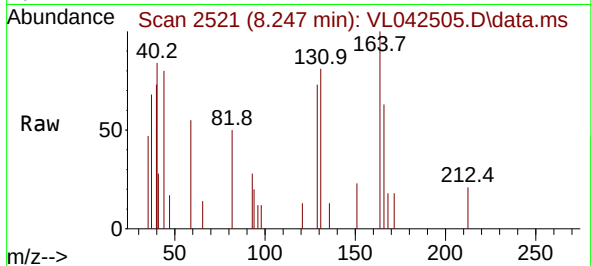
Tgt Ion:	130	Resp:	683
Ion	Ratio	Lower	Upper
130	100		
95	92.9	91.0	136.4
132	72.8	74.2	111.4
97	86.3	62.3	93.5





#52
Tetrachloroethene
Concen: 0.096 ppbv m
RT: 8.247 min Scan# 2514
Delta R.T. 0.023 min
Lab File: VL042505.D
Acq: 06 May 2025 19:42

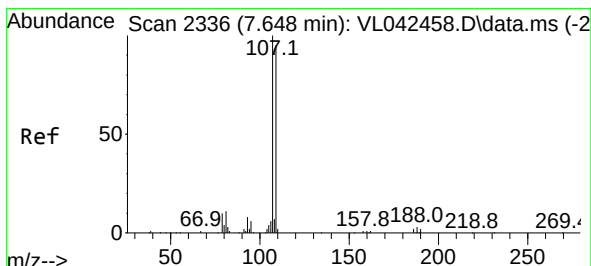
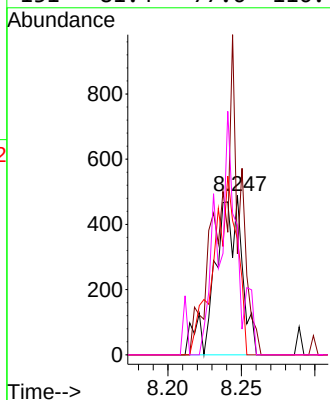
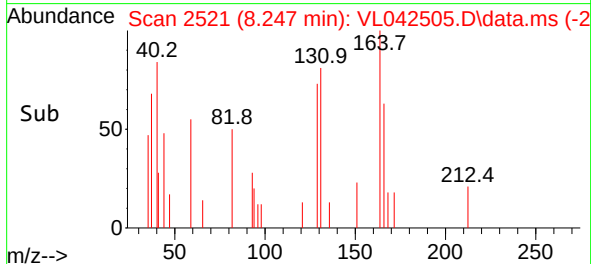
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.1



Tgt Ion:164 Resp: 618
Ion Ratio Lower Upper
164 100
166 63.4 91.6 137.4
129 73.0 79.0 118.4
131 81.4 77.6 116.4

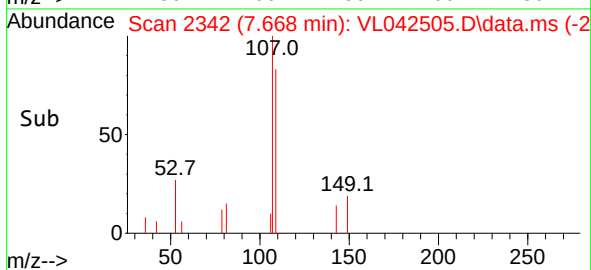
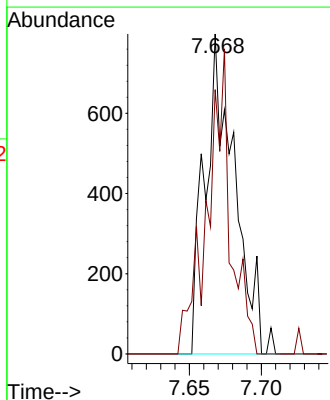
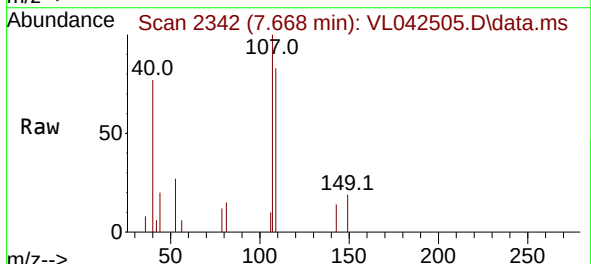
Manual Integrations
APPROVED

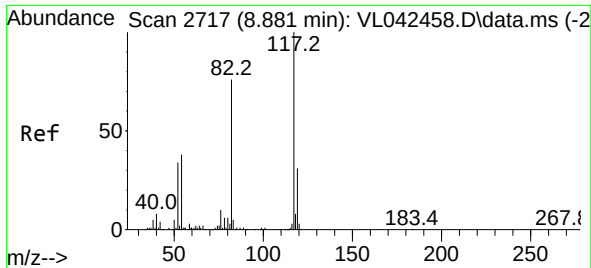
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#54
1,2-Dibromoethane
Concen: 0.108 ppbv m
RT: 7.668 min Scan# 2342
Delta R.T. 0.020 min
Lab File: VL042505.D
Acq: 06 May 2025 19:42

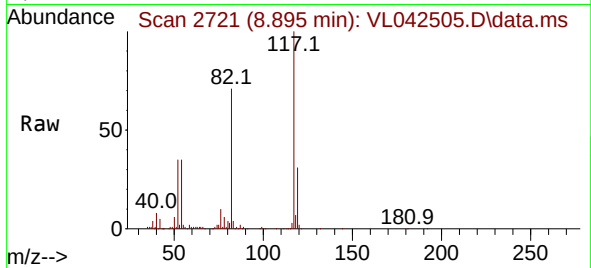
Tgt Ion:107 Resp: 1138
Ion Ratio Lower Upper
107 100
109 82.6 76.0 114.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.895 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL042505.D
Acq: 06 May 2025 19:42

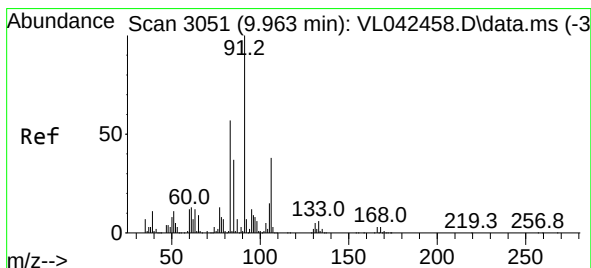
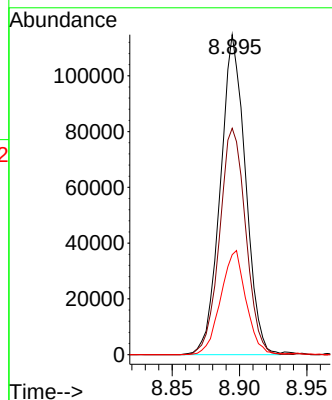
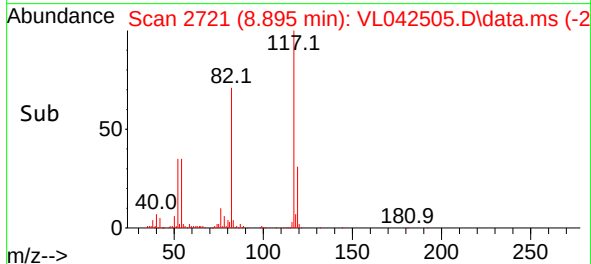
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.1



Tgt Ion: 117 Resp: 14890
Ion Ratio Lower Upper
117 100
82 73.5 63.5 95.3
119 33.3 25.8 38.8

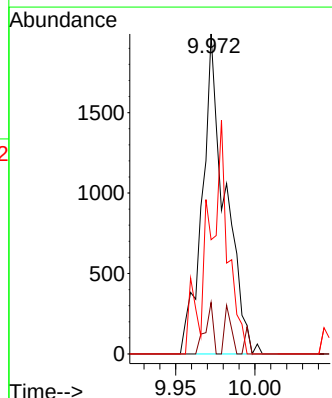
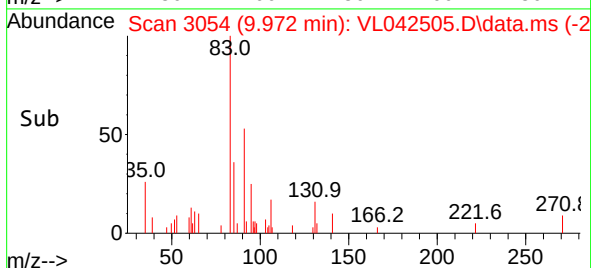
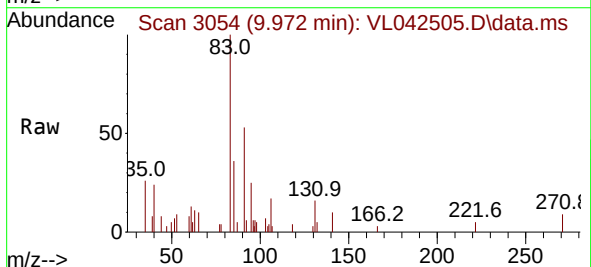
Manual Integrations
APPROVED

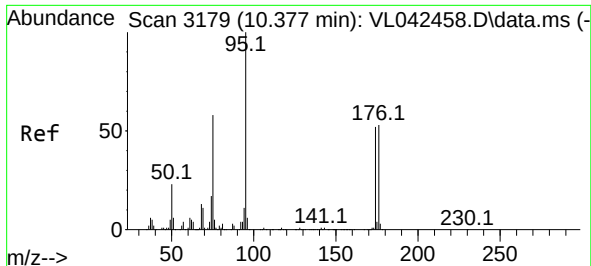
Reviewed By :Semsettin Yesilyurt 05/07/2025
Supervised By :Mahesh Dadoda 05/09/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.139 ppbv m
RT: 9.972 min Scan# 3054
Delta R.T. 0.010 min
Lab File: VL042505.D
Acq: 06 May 2025 19:42

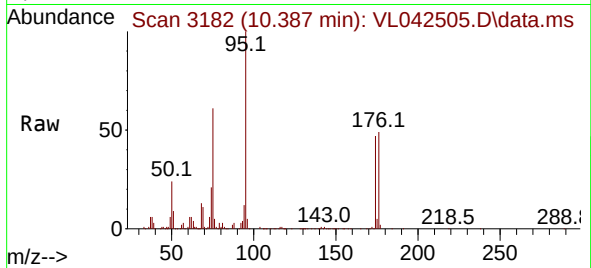
Tgt Ion: 83 Resp: 2002
Ion Ratio Lower Upper
83 100
131 0.0 4.7 14.1#
85 61.1 32.5 97.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.841 ppbv
RT: 10.387 min Scan# 3179
Delta R.T. 0.010 min
Lab File: VL042505.D
Acq: 06 May 2025 19:42

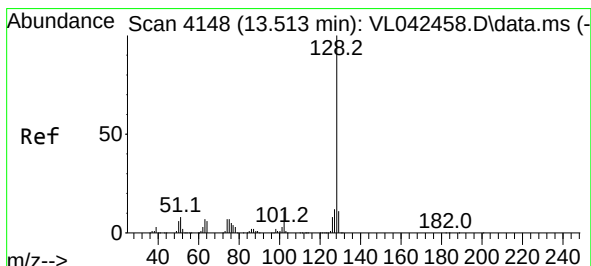
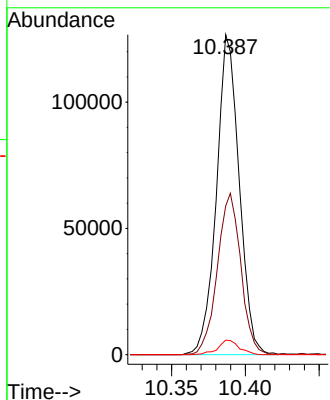
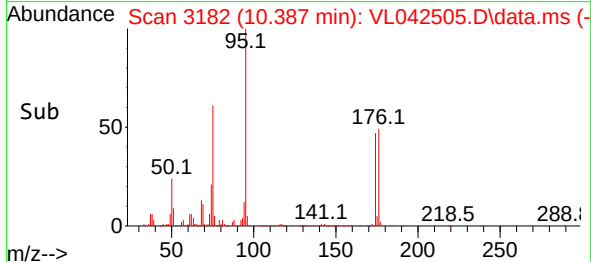
Instrument :
MSVOA_L
ClientSampleId :
MDL2 0.1



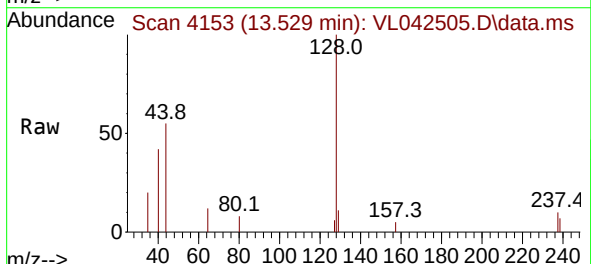
Tgt Ion: 95 Resp: 135859
Ion Ratio Lower Upper
95 100
174 52.2 42.7 64.1
175 4.3 3.6 5.4

Manual Integrations
APPROVED

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



#79
Naphthalene
Concen: 0.040 ppbv m
RT: 13.529 min Scan# 4153
Delta R.T. 0.016 min
Lab File: VL042505.D
Acq: 06 May 2025 19:42



Tgt Ion:128 Resp: 883
Ion Ratio Lower Upper
128 100
127 6.4 9.7 14.5#
129 10.7 8.6 13.0

