

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072325\
 Data File : VL042751.D
 Acq On : 23 Jul 2025 11:16
 Operator : SY/MD
 Sample : VSTDICC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/24/2025
 Supervised By : Mahesh Dadoda 07/24/2025

Quant Time: Jul 24 04:59:01 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 22 2025

QLast Update : Thu Jul 24 04:55:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	149832	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	440032	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.878	117	393493	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	307777	9.877	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	881	0.111	ppbv	90
32) 1,1,1-Trichloroethane	3.370	97	3385m	0.105	ppbv	
35) Carbon Tetrachloride	3.761	117	2966	0.091	ppbv #	67
38) Trichloroethene	4.538	130	2274m	0.113	ppbv	
52) Tetrachloroethene	8.231	164	1892m	0.109	ppbv	
54) 1,2-Dibromoethane	7.635	107	2692m	0.116	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.959	83	3218m	0.100	ppbv	
79) Naphthalene	13.510	128	1436m	0.458	ppbv	

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

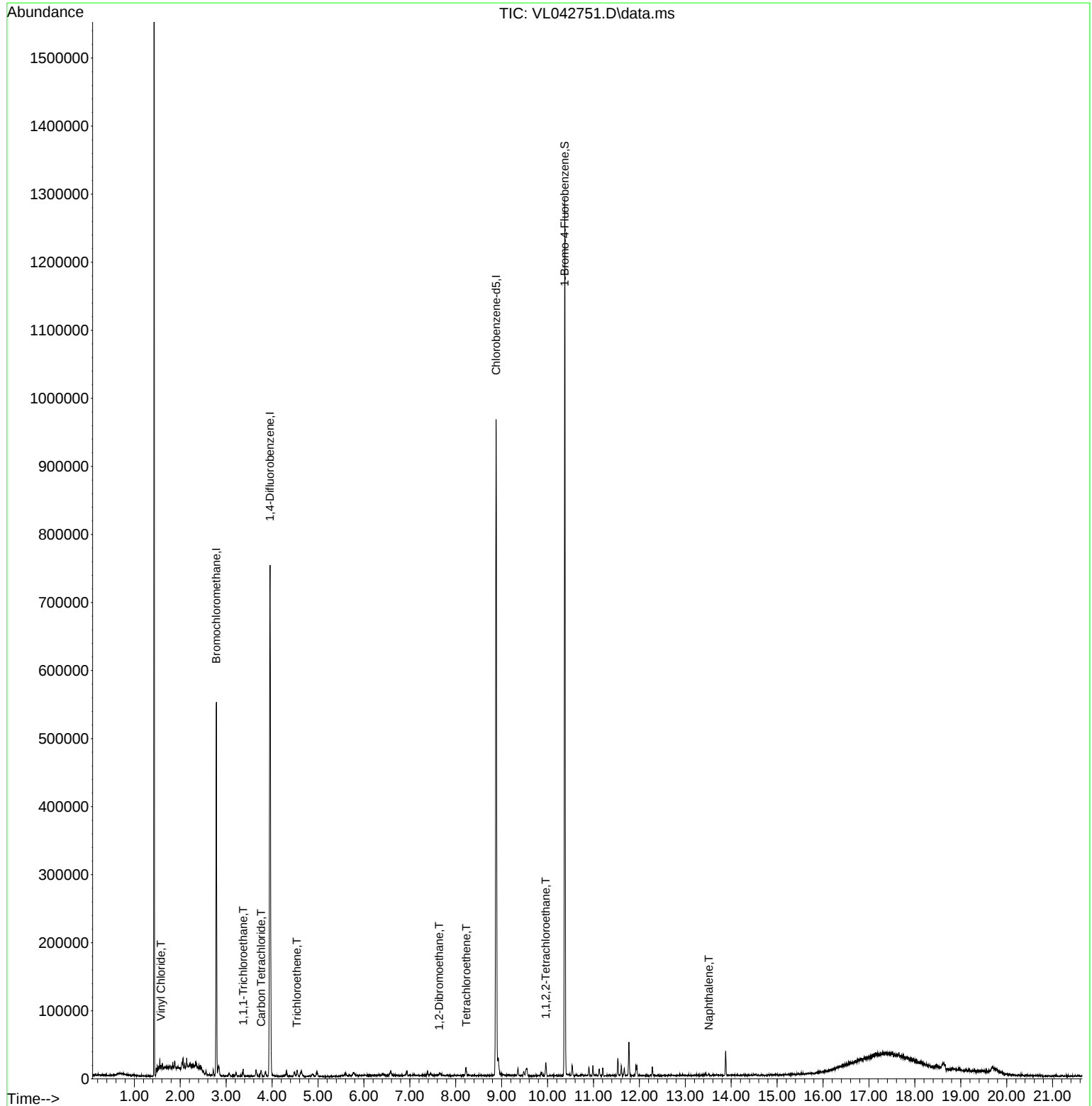
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Data File : VL042751.D
Acq On : 23 Jul 2025 11:16
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

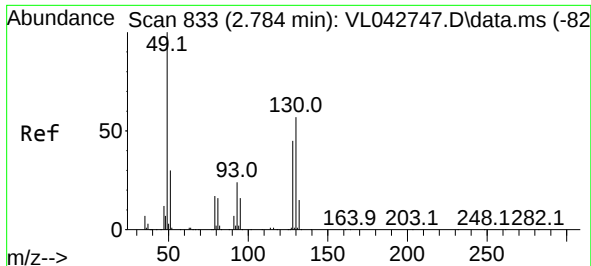
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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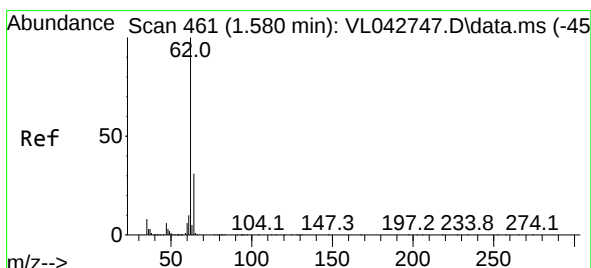
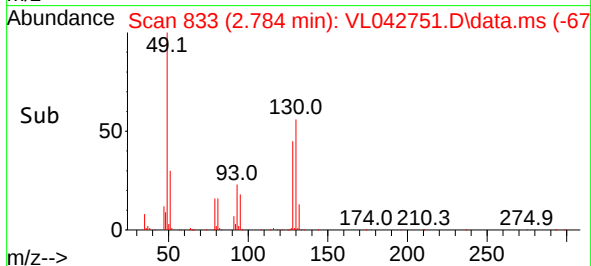
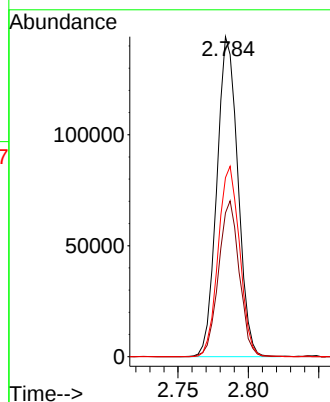
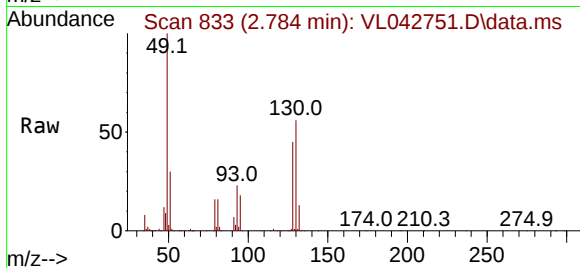
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 833
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 49 Resp: 149832
Ion Ratio Lower Upper
49 100
128 48.0 23.6 71.0
130 60.6 30.3 90.8

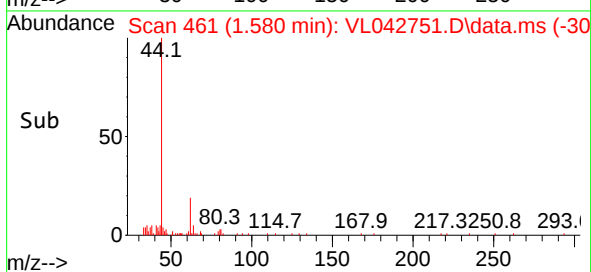
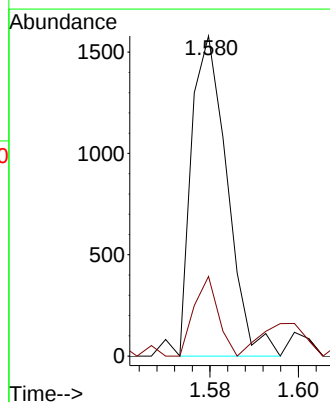
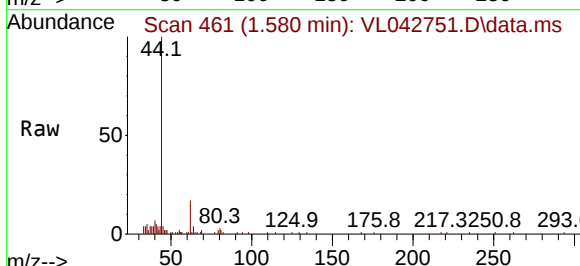
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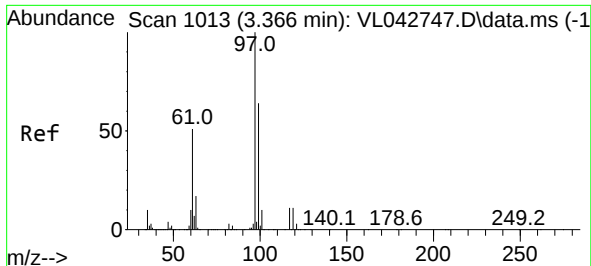
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#5
Vinyl Chloride
Concen: 0.111 ppbv
RT: 1.580 min Scan# 461
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 62 Resp: 881
Ion Ratio Lower Upper
62 100
64 24.9 24.5 36.7





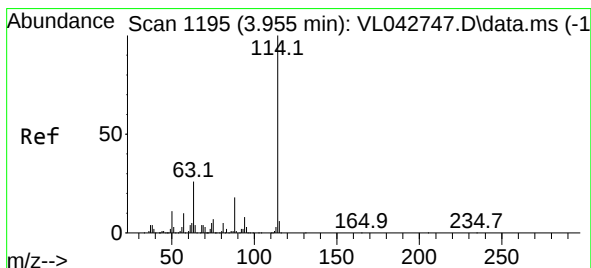
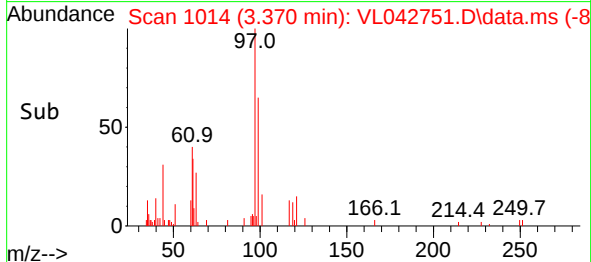
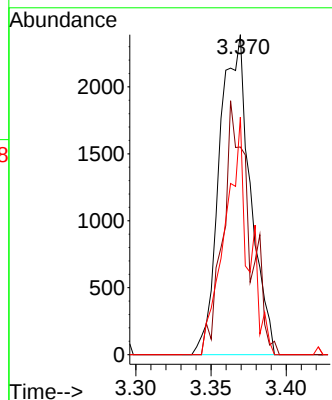
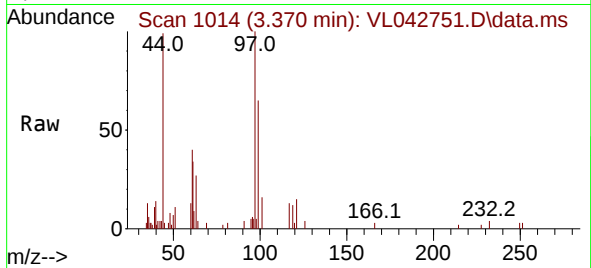
#32
1,1,1-Trichloroethane
Concen: 0.105 ppbv m
RT: 3.370 min Scan# 1013
Delta R.T. 0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 97 Resp: 338
Ion Ratio Lower Upper
97 100
99 67.6 51.0 76.6
61 0.0 40.9 61.3

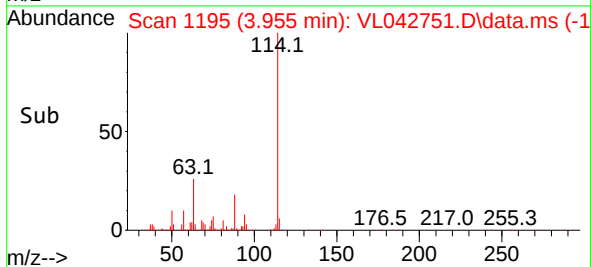
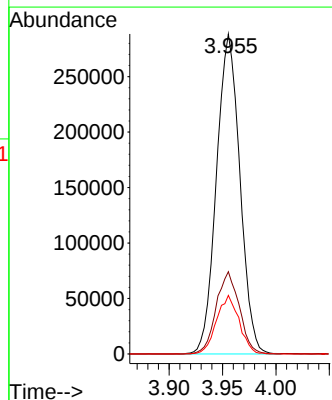
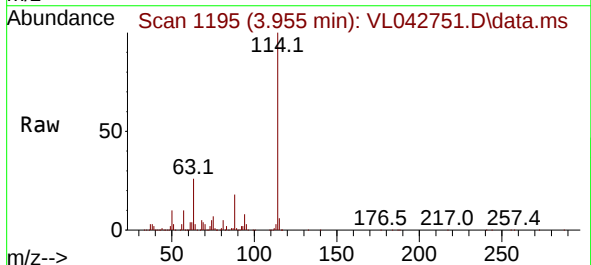
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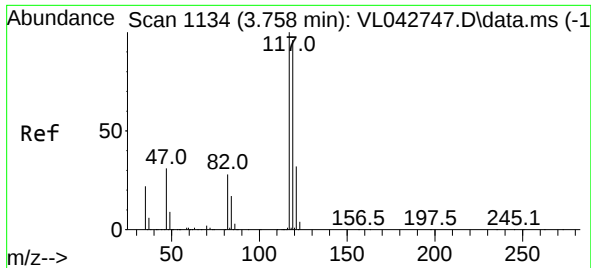
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

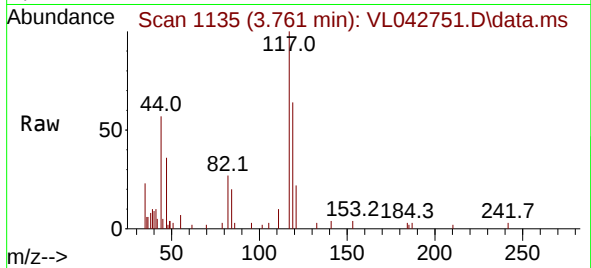
Tgt Ion:114 Resp: 440032
Ion Ratio Lower Upper
114 100
63 25.4 20.5 30.7
88 17.6 14.0 21.0





#35
Carbon Tetrachloride
Concen: 0.091 ppbv
RT: 3.761 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

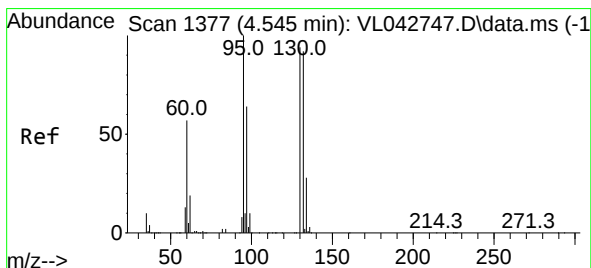
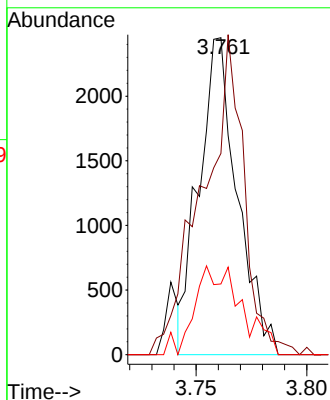
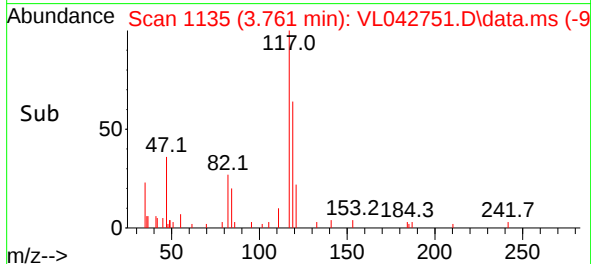
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:117 Resp: 2960
Ion Ratio Lower Upper
117 100
119 59.4 77.1 115.7
121 22.3 25.5 38.3

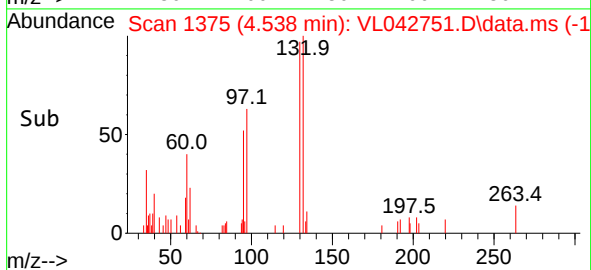
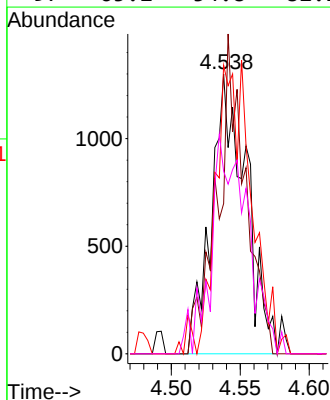
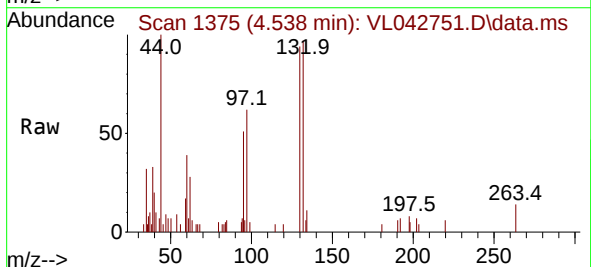
Manual Integrations
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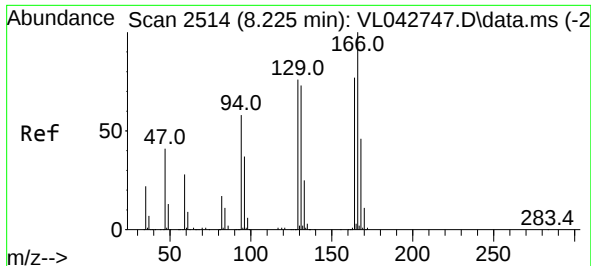
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#38
Trichloroethene
Concen: 0.113 ppbv m
RT: 4.538 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

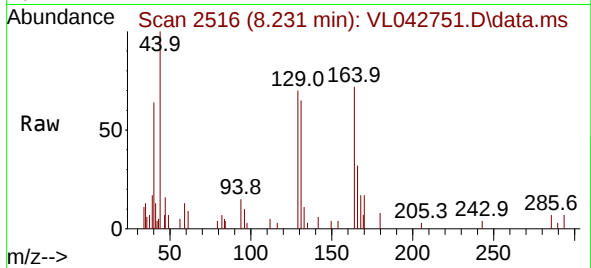
Tgt Ion:130 Resp: 2274
Ion Ratio Lower Upper
130 100
95 53.7 85.4 128.2#
132 103.1 78.2 117.2
97 65.2 54.8 82.2





#52
Tetrachloroethene
Concen: 0.109 ppbv m
RT: 8.231 min Scan# 2514
Delta R.T. 0.006 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

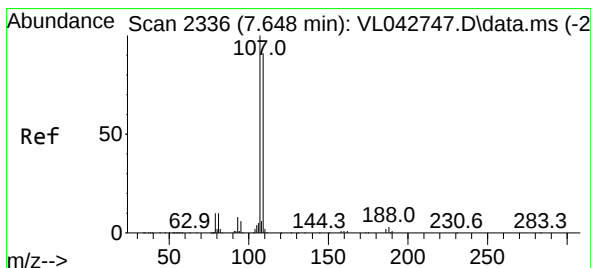
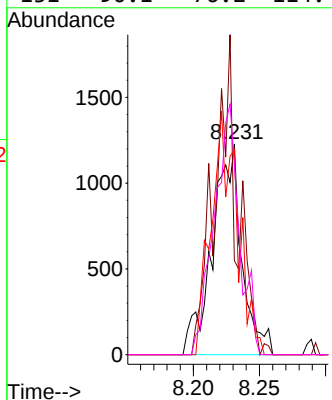
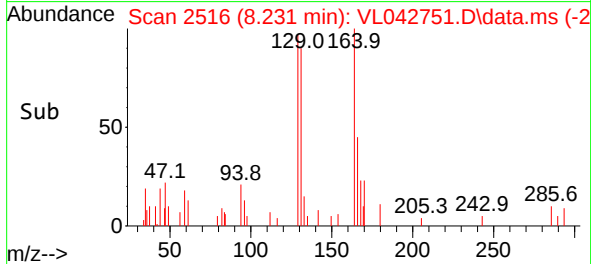
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:164 Resp: 1892
Ion Ratio Lower Upper
164 100
166 44.7 104.0 156.0
129 97.5 79.2 118.8
131 90.1 76.2 114.4

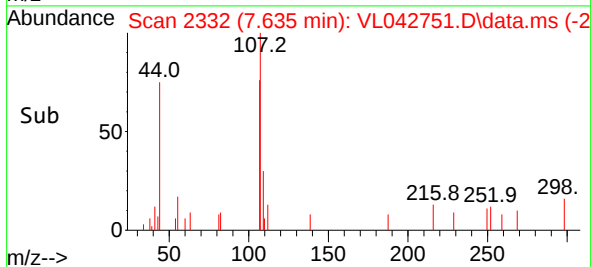
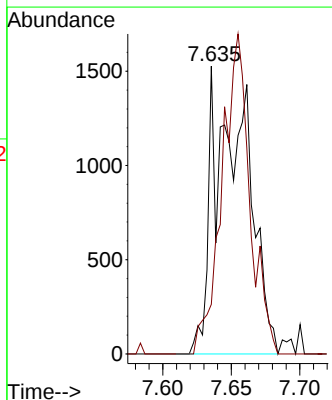
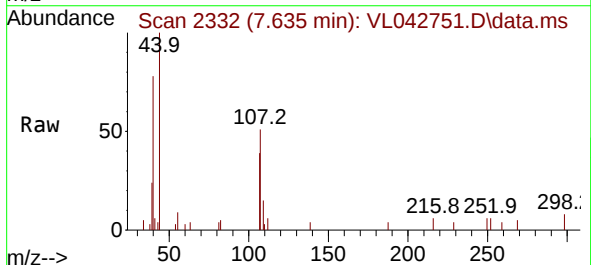
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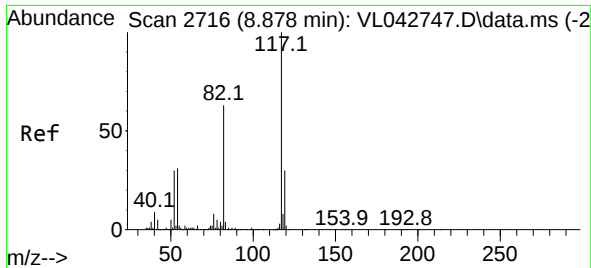
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#54
1,2-Dibromoethane
Concen: 0.116 ppbv m
RT: 7.635 min Scan# 2332
Delta R.T. -0.013 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion:107 Resp: 2692
Ion Ratio Lower Upper
107 100
109 30.3 72.7 109.1#





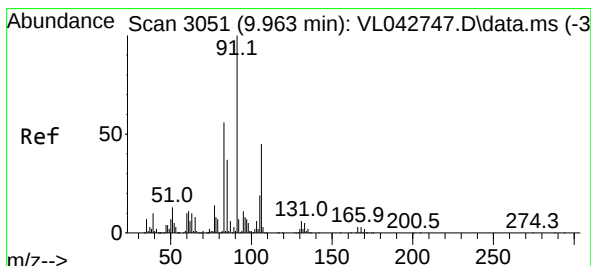
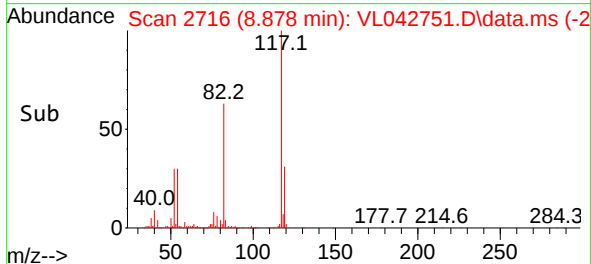
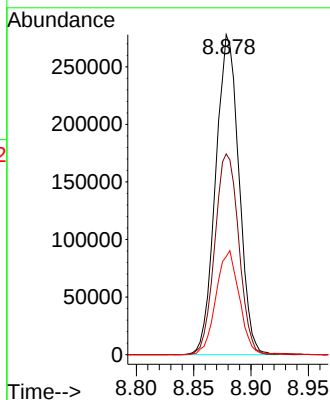
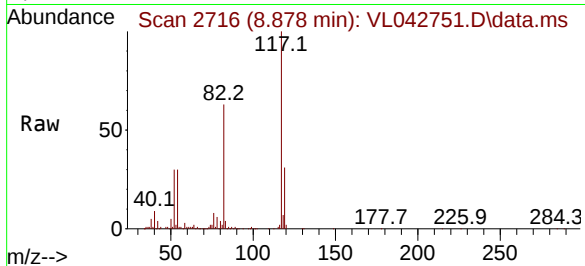
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.878 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion: 117 Resp: 39349
Ion Ratio Lower Upper
117 100
82 64.6 53.3 79.9
119 32.8 25.8 38.6

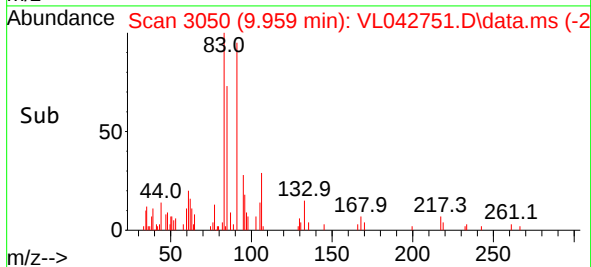
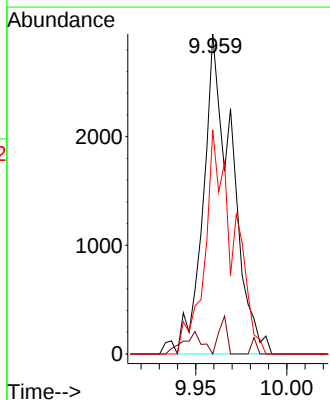
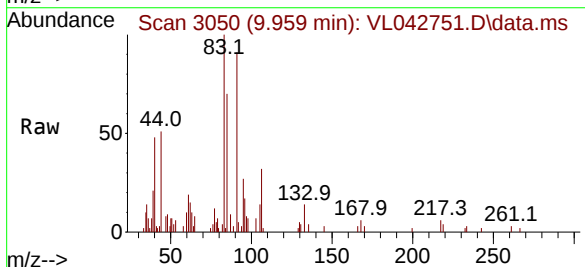
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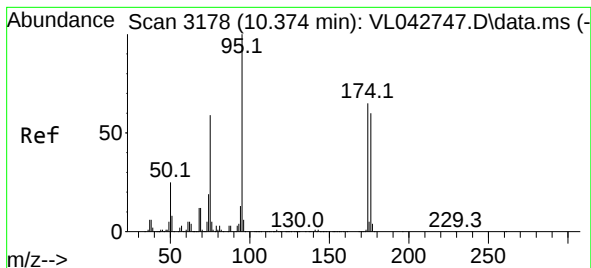
Reviewed By :Semsettin Yesilyurt 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.100 ppbv m
RT: 9.959 min Scan# 3050
Delta R.T. -0.003 min
Lab File: VL042751.D
Acq: 23 Jul 2025 11:16

Tgt Ion: 83 Resp: 3218
Ion Ratio Lower Upper
83 100
131 0.0 5.0 15.0#
85 70.5 32.6 97.7





#68

1-Bromo-4-Fluorobenzene

Concen: 9.877 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. -0.000 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 95 Resp: 30777

Ion Ratio Lower Upper

95 100

174 65.1 53.8 80.6

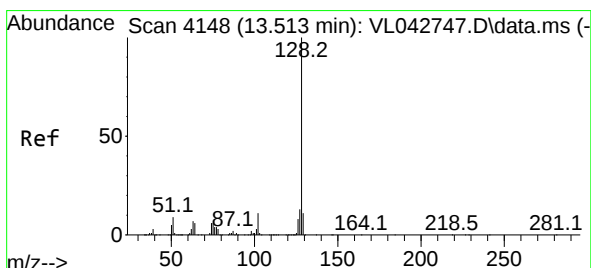
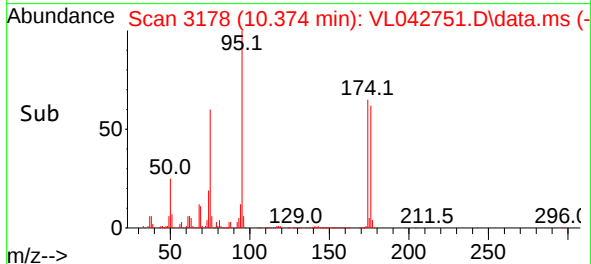
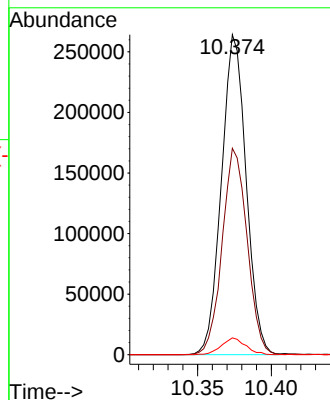
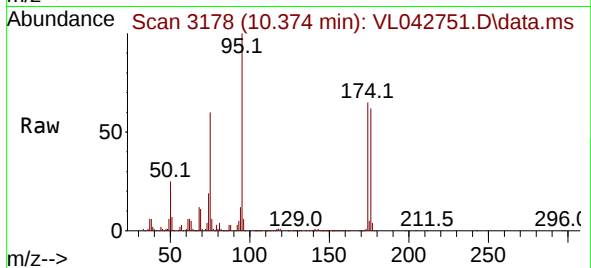
175 5.2 4.0 6.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/24/2025

Supervised By :Mahesh Dadoda 07/24/2025



#79

Naphthalene

Concen: 0.458 ppbv m

RT: 13.510 min Scan# 4147

Delta R.T. -0.003 min

Lab File: VL042751.D

Acq: 23 Jul 2025 11:16

Tgt Ion:128 Resp: 1436

Ion Ratio Lower Upper

128 100

127 7.8 10.5 15.7#

129 8.1 8.6 13.0#

