

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
 Data File : VL041756.D
 Acq On : 16 Dec 2024 15:37
 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 12/20/2024
 Supervised By :Mahesh Dadoda 12/20/2024

Quant Time: Dec 19 06:15:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Dec 19 06:09:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	65926	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	177964	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	158649	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	131540	9.950	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.580	62	444	0.096	ppbv #	78
32) 1,1,1-Trichloroethane	3.370	97	1393	0.101	ppbv	97
35) Carbon Tetrachloride	3.771	117	1170	0.093	ppbv #	84
38) Trichloroethene	4.548	130	835m	0.108	ppbv	
52) Tetrachloroethene	8.228	164	593m	0.087	ppbv	
54) 1,2-Dibromoethane	7.658	107	1005m	0.105	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.966	83	1485m	0.103	ppbv	
79) Naphthalene	13.523	128	1196	0.071	ppbv #	90

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

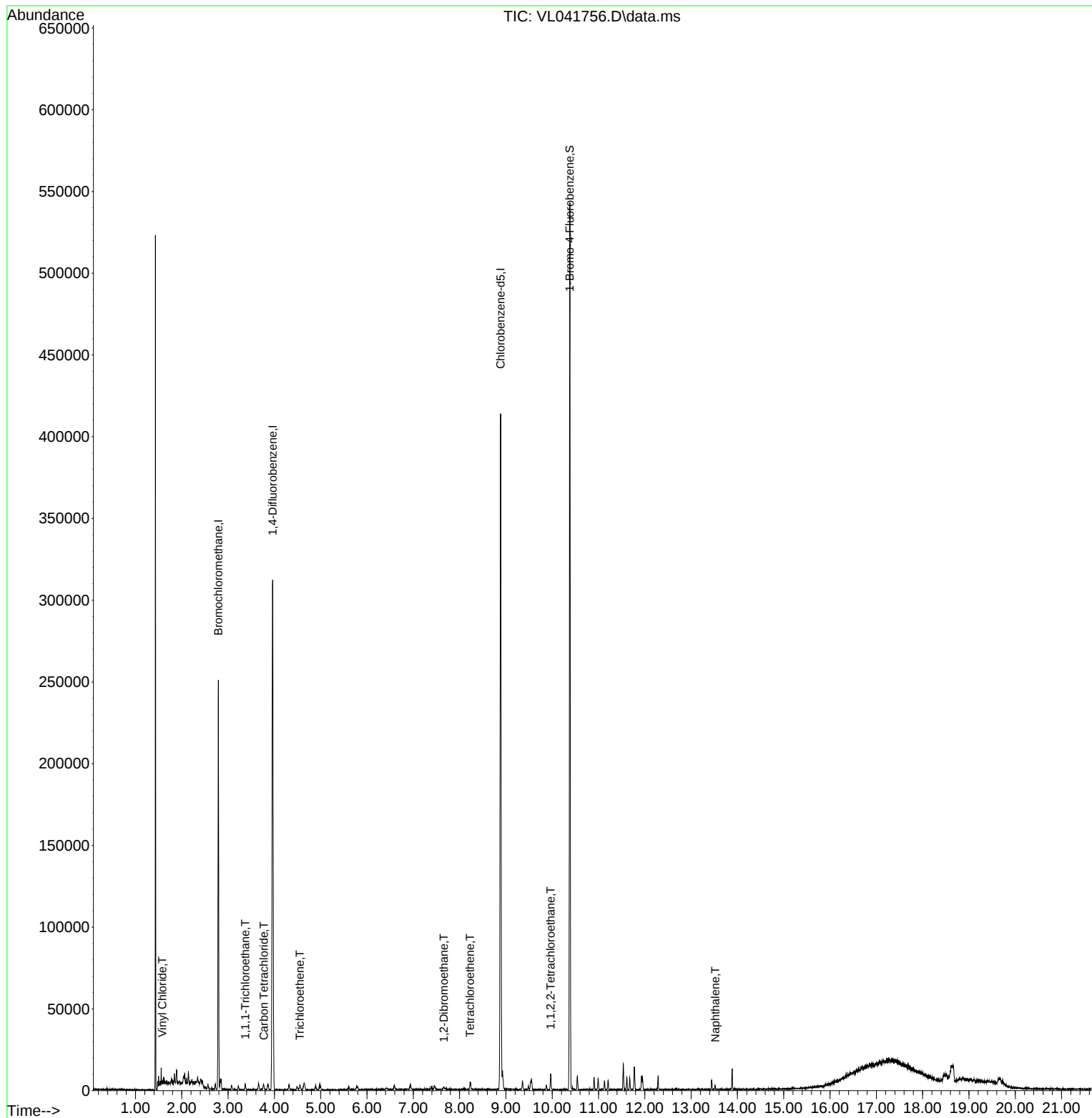
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121624\
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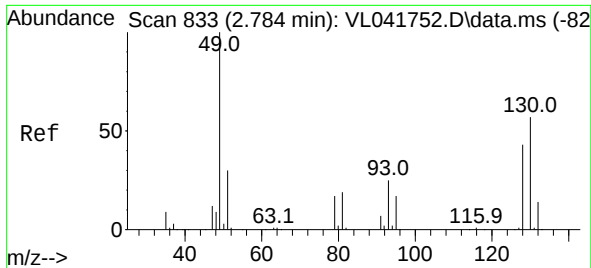
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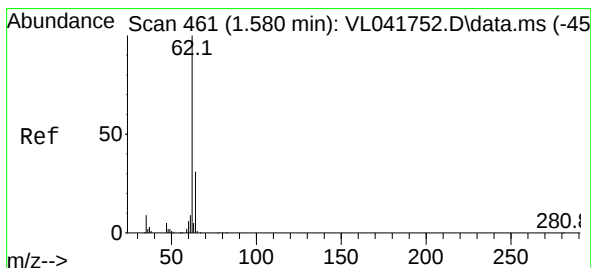
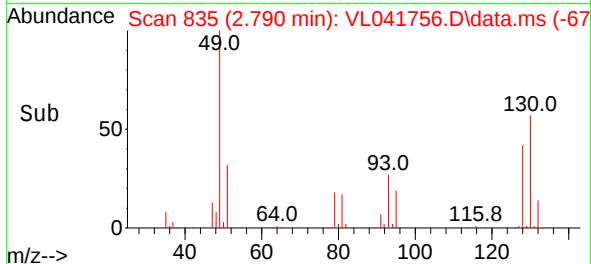
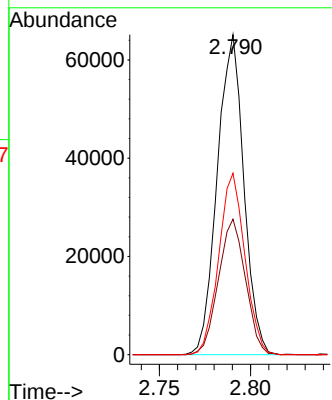
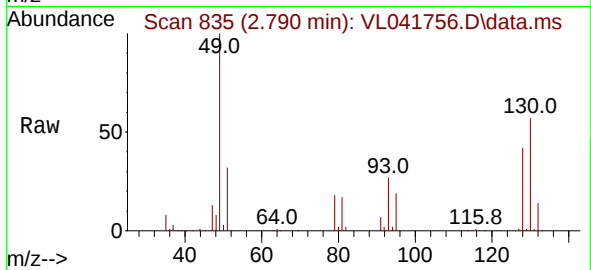
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 833
Delta R.T. 0.006 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1

Tgt Ion: 49 Resp: 65920
Ion Ratio Lower Upper
49 100
128 43.1 21.6 64.6
130 55.9 28.3 85.0

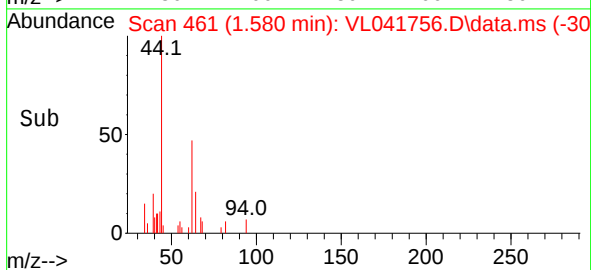
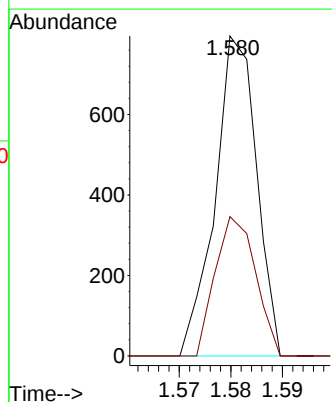
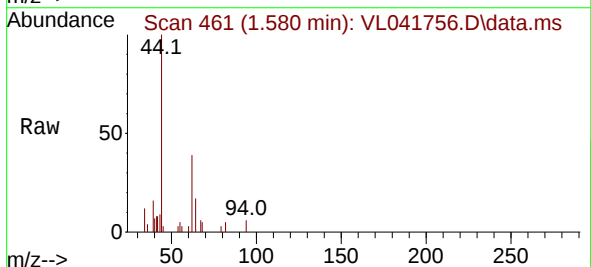
Manual Integrations
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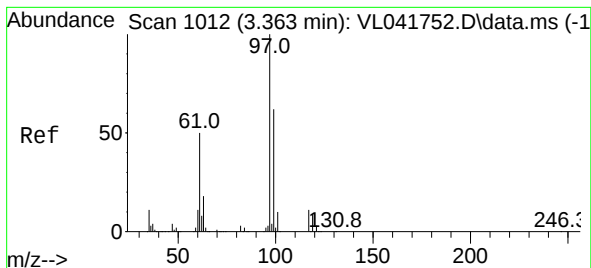
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#5
Vinyl Chloride
Concen: 0.096 ppbv
RT: 1.580 min Scan# 461
Delta R.T. -0.000 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

Tgt Ion: 62 Resp: 444
Ion Ratio Lower Upper
62 100
64 43.5 25.1 37.7#





#32

1,1,1-Trichloroethane

Concen: 0.101 ppbv

RT: 3.370 min Scan# 1197

Delta R.T. 0.006 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

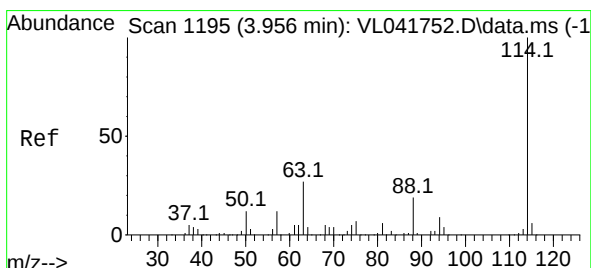
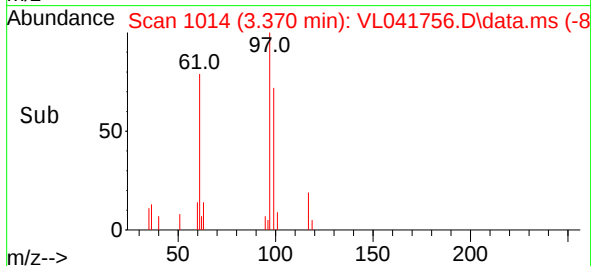
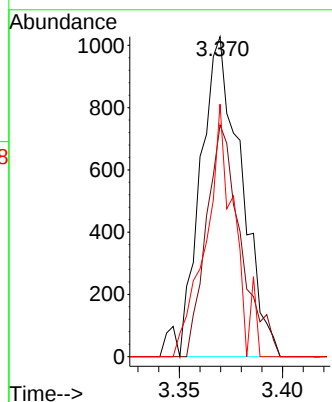
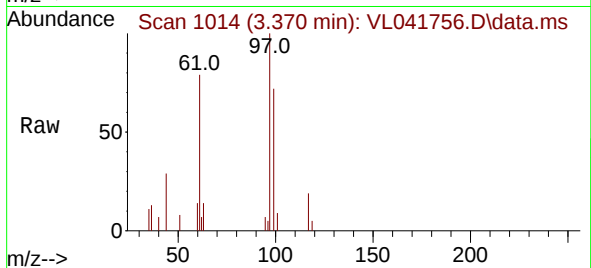
VSTDIC0.1

Tgt Ion: 97	Resp: 139
Ion Ratio	Lower Upper
97 100	
99 61.9	51.0 76.4
61 55.9	42.2 63.2

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

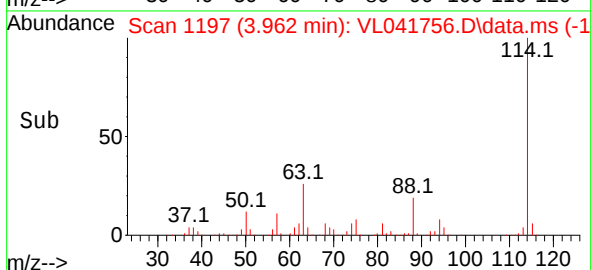
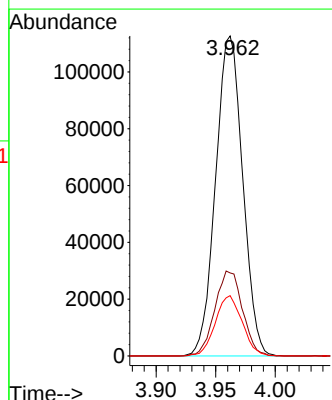
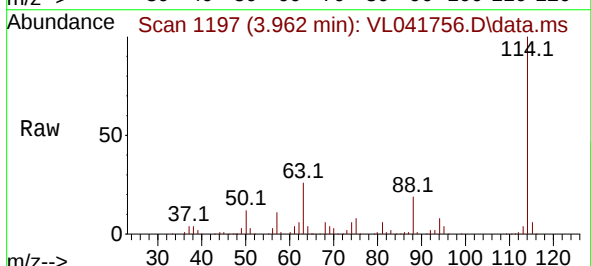
RT: 3.962 min Scan# 1197

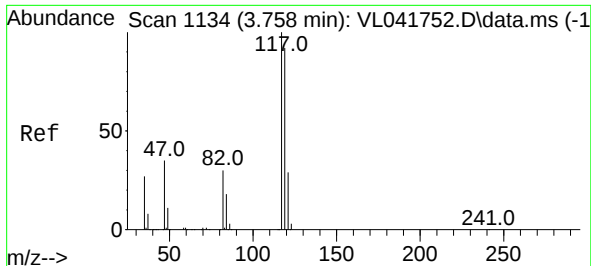
Delta R.T. 0.006 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

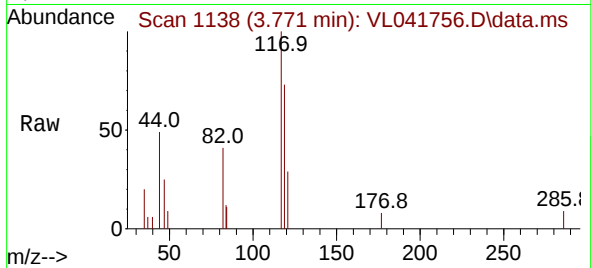
Tgt Ion: 114	Resp: 177964
Ion Ratio	Lower Upper
114 100	
63 27.0	21.8 32.8
88 18.7	14.8 22.2





#35
Carbon Tetrachloride
Concen: 0.093 ppbv
RT: 3.771 min Scan# 1138
Delta R.T. 0.013 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

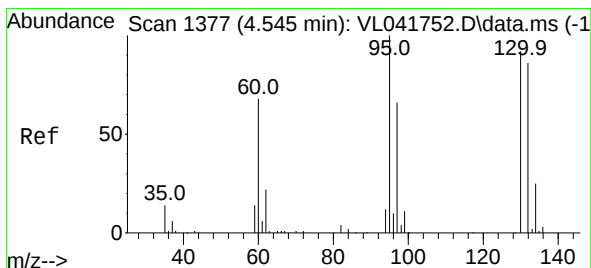
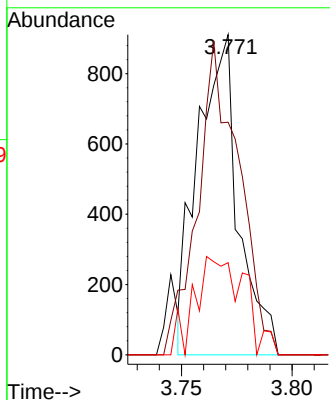
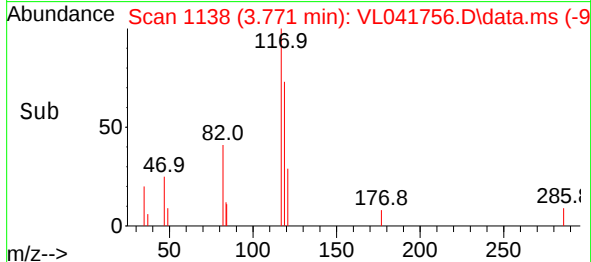
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:117 Resp: 1170
Ion Ratio Lower Upper
117 100
119 72.7 73.7 110.5#
121 28.8 23.0 34.4

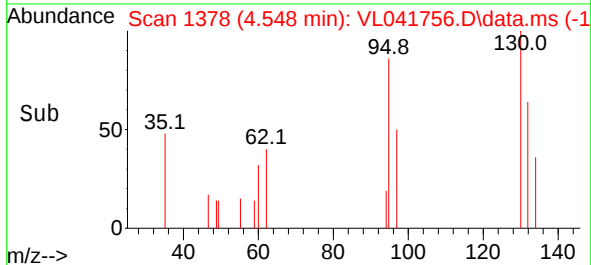
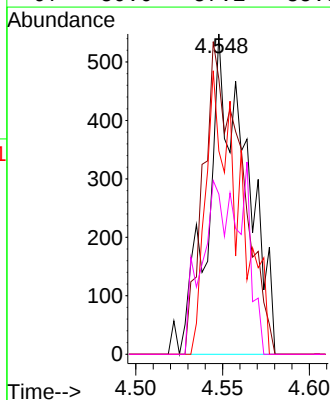
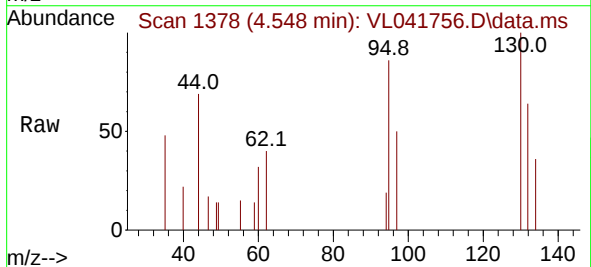
Manual Integrations
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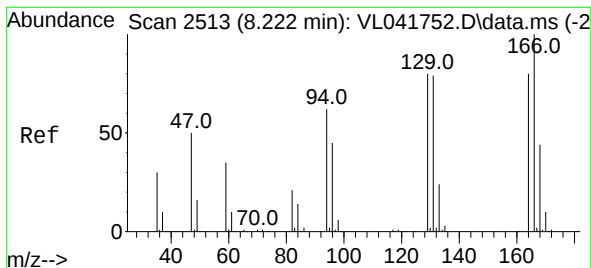
Reviewed By :Semsettin Yesilyurt 12/20/2024
Supervised By :Mahesh Dadoda 12/20/2024



#38
Trichloroethene
Concen: 0.108 ppbv m
RT: 4.548 min Scan# 1378
Delta R.T. 0.003 min
Lab File: VL041756.D
Acq: 16 Dec 2024 15:37

Tgt Ion:130 Resp: 835
Ion Ratio Lower Upper
130 100
95 85.9 87.0 130.6#
132 63.5 75.0 112.6#
97 50.0 57.2 85.8#





#52

Tetrachloroethene

Concen: 0.087 ppbv m

RT: 8.228 min Scan# 2513

Delta R.T. 0.006 min

Lab File: VL041756.D

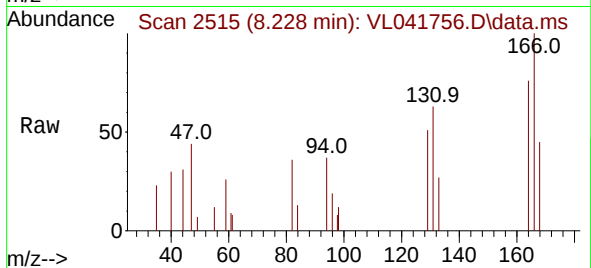
Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1



Tgt Ion:164 Resp: 593

Ion Ratio Lower Upper

164 100

166 131.2 99.8 149.6

129 67.5 79.6 119.4

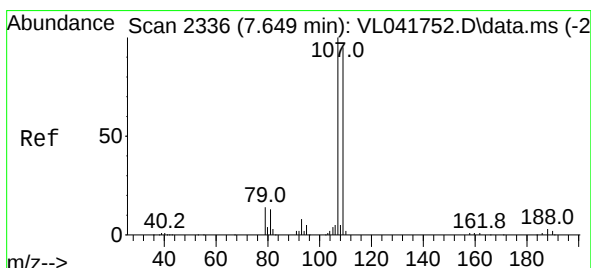
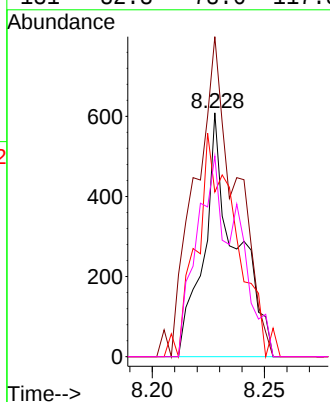
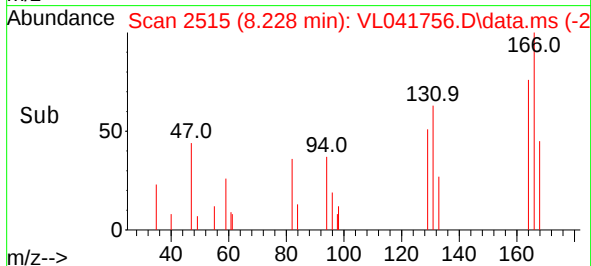
131 82.3 78.6 117.8

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#54

1,2-Dibromoethane

Concen: 0.105 ppbv m

RT: 7.658 min Scan# 2339

Delta R.T. 0.010 min

Lab File: VL041756.D

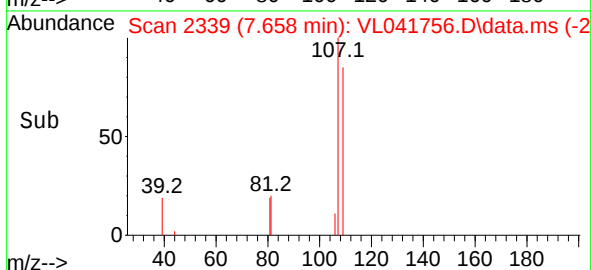
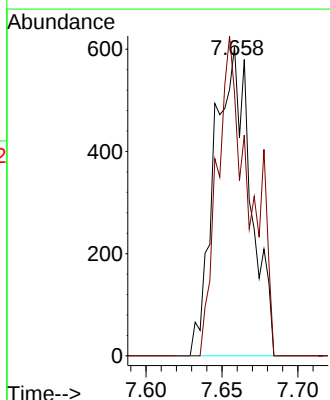
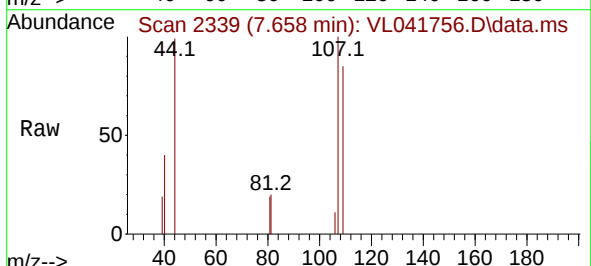
Acq: 16 Dec 2024 15:37

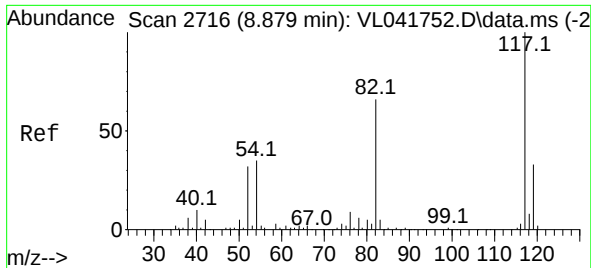
Tgt Ion:107 Resp: 1005

Ion Ratio Lower Upper

107 100

109 85.1 75.9 113.9





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.885 min Scan# 2718

Delta R.T. 0.006 min

Lab File: VL041756.D

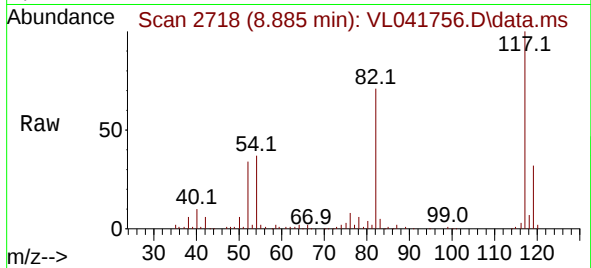
Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDICC0.1



Tgt Ion:117 Resp: 158649

Ion Ratio Lower Upper

117 100

82 67.4 53.8 80.8

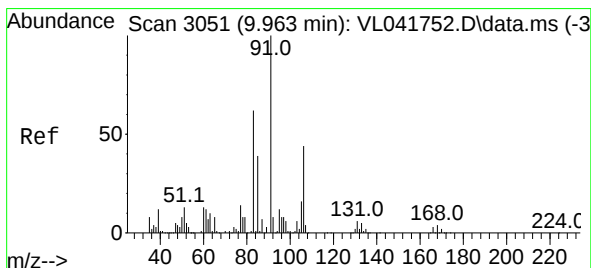
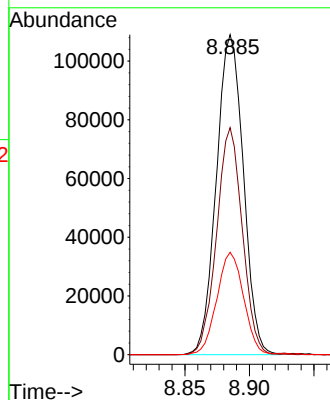
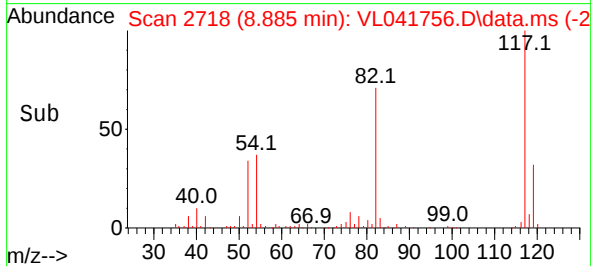
119 31.9 26.7 40.1

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#63

1,1,2,2-Tetrachloroethane

Concen: 0.103 ppbv m

RT: 9.966 min Scan# 3052

Delta R.T. 0.003 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

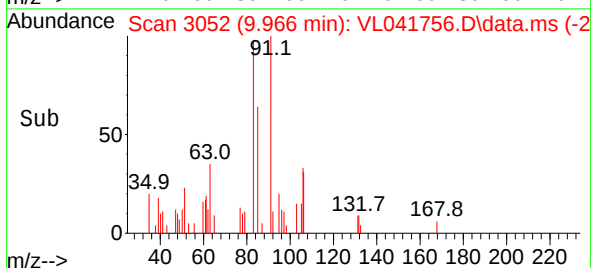
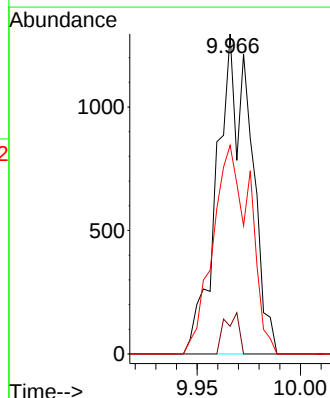
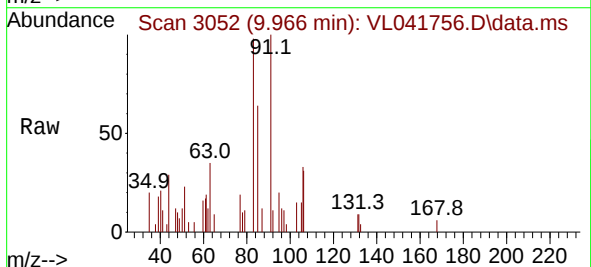
Tgt Ion: 83 Resp: 1485

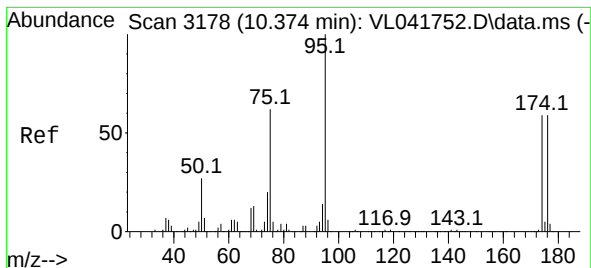
Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

85 0.0 32.0 96.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.950 ppbv

RT: 10.380 min Scan# 3178

Delta R.T. 0.006 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Instrument :

MSVOA_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 95 Resp: 131540

Ion Ratio Lower Upper

95 100

174 60.6 47.6 71.4

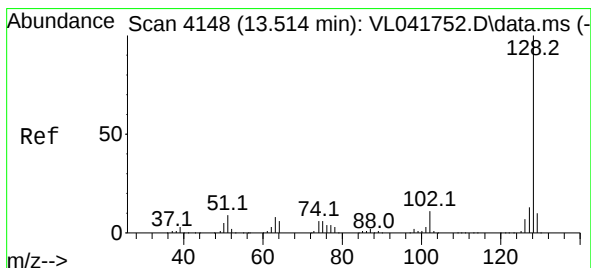
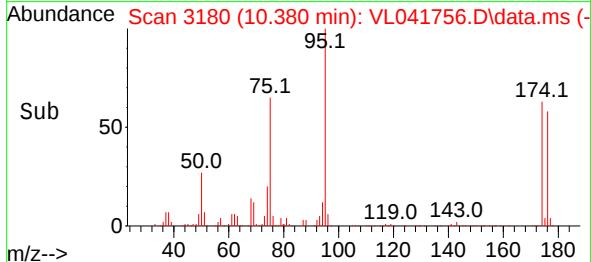
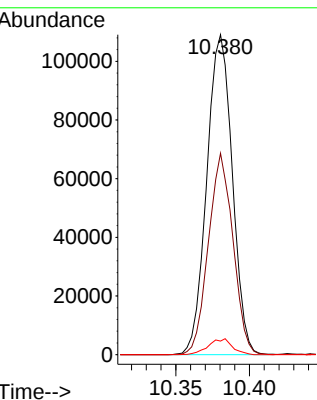
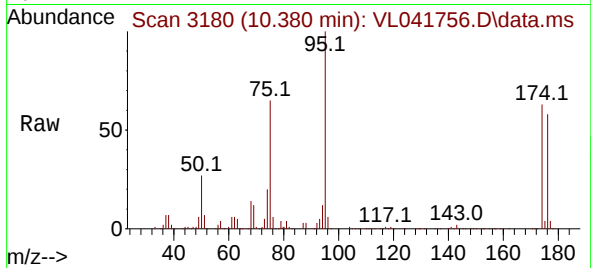
175 4.7 3.7 5.5

Manual Integrations

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#79

Naphthalene

Concen: 0.071 ppbv

RT: 13.523 min Scan# 4151

Delta R.T. 0.010 min

Lab File: VL041756.D

Acq: 16 Dec 2024 15:37

Tgt Ion:128 Resp: 1196

Ion Ratio Lower Upper

128 100

127 7.1 10.7 16.1#

129 9.4 8.2 12.4

