

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042727.D
 Acq On : 22 Jul 2025 11:12
 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 07/23/2025
 Supervised By : Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 01:48:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 23 2025
 QLast Update : Wed Jul 23 01:27:20 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	99406	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	304859	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	266446	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	209962	9.750	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.500%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	1.583	62	642	0.102	ppbv	# 73
32) 1,1,1-Trichloroethane	3.370	97	2516m	0.107	ppbv	
35) Carbon Tetrachloride	3.764	117	2386m	0.096	ppbv	
38) Trichloroethene	4.544	130	1538m	0.112	ppbv	
52) Tetrachloroethene	8.225	164	1257m	0.110	ppbv	
54) 1,2-Dibromoethane	7.655	107	1771m	0.103	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.969	83	2064m	0.100	ppbv	
79) Naphthalene	13.520	128	1082m	0.037	ppbv	

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

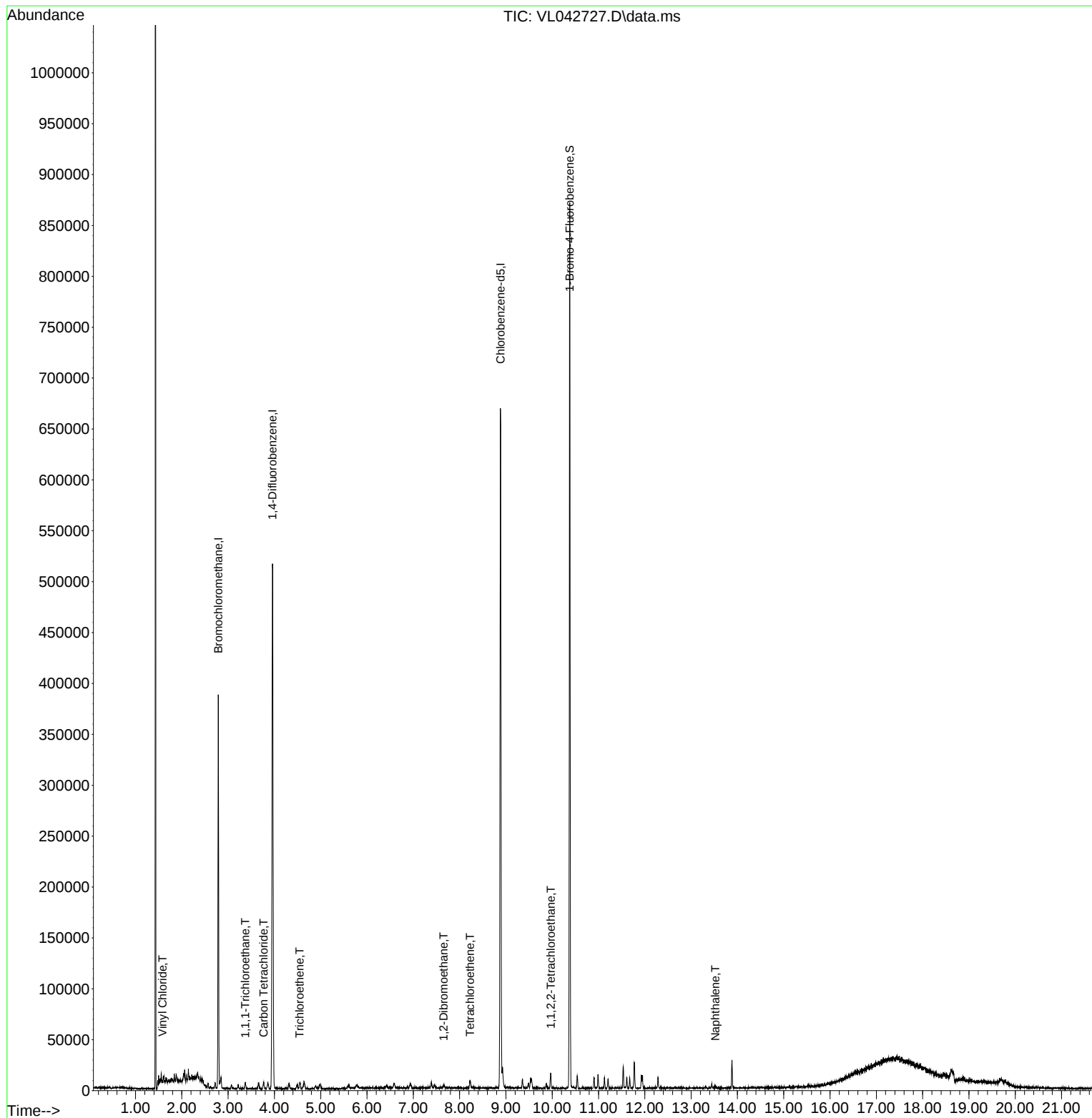
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
Data File : VL042727.D
Acq On : 22 Jul 2025 11:12
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

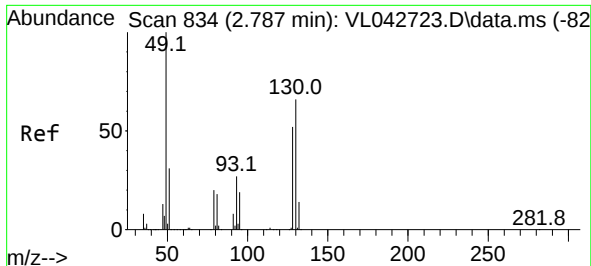
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

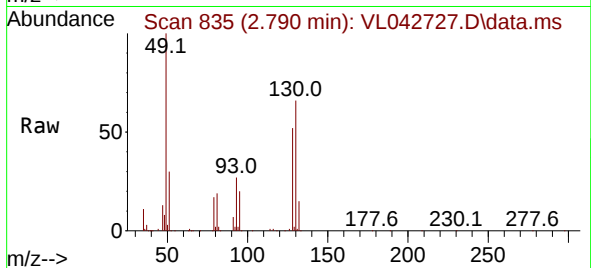
Quant Time: Jul 23 01:48:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jul 23 01:27:20 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

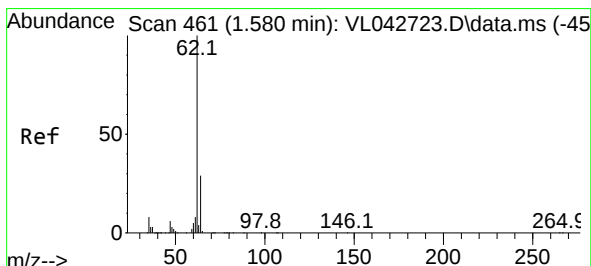
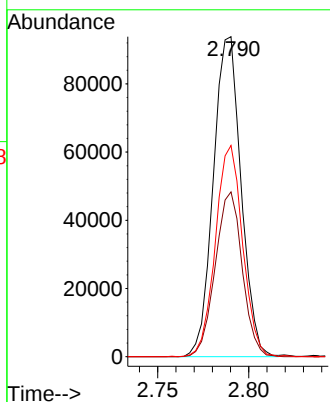
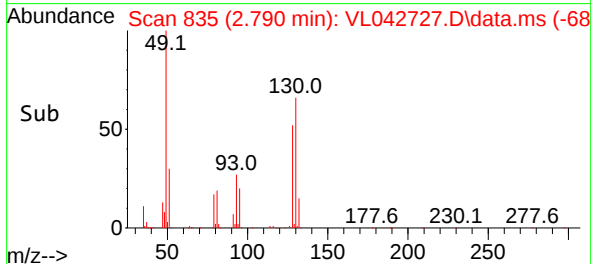
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1



Tgt Ion: 49 Resp: 99400
Ion Ratio Lower Upper
49 100
128 50.1 24.5 73.5
130 64.7 31.7 95.1

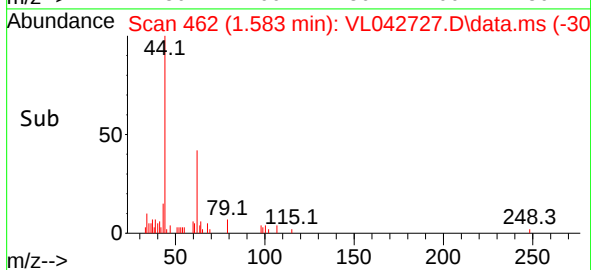
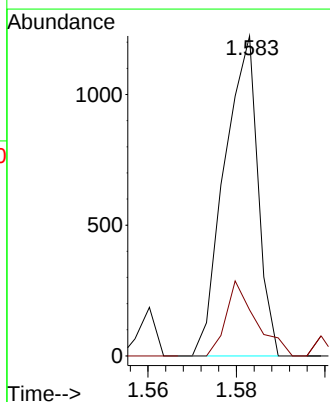
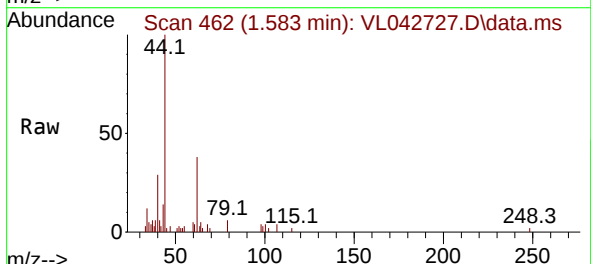
Manual Integrations
APPROVED

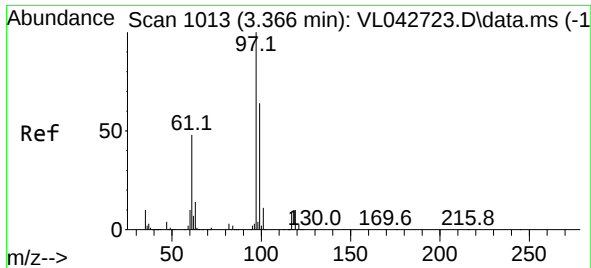
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#5
Vinyl Chloride
Concen: 0.102 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

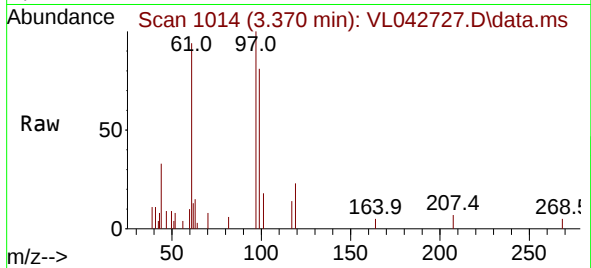
Tgt Ion: 62 Resp: 642
Ion Ratio Lower Upper
62 100
64 14.4 23.0 34.6#





#32
 1,1,1-Trichloroethane
 Concen: 0.107 ppbv m
 RT: 3.370 min Scan# 1013
 Delta R.T. 0.003 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

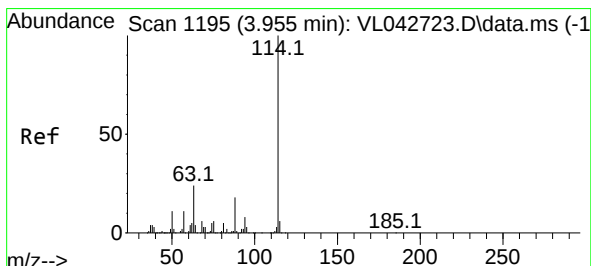
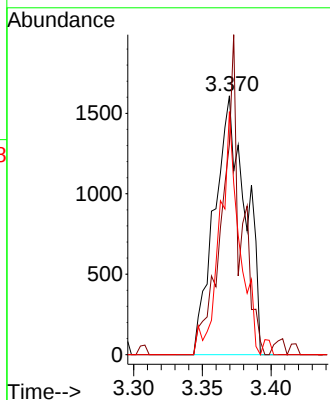
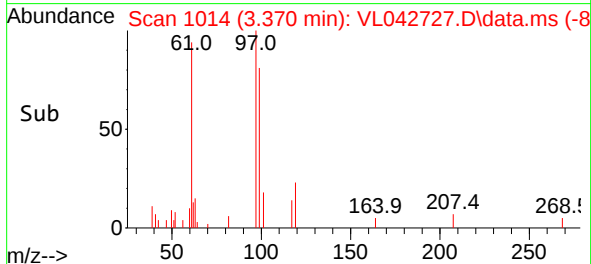
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1



Tgt Ion: 97 Resp: 2510
 Ion Ratio Lower Upper
 97 100
 99 76.6 51.4 77.0
 61 61.5 39.6 59.4

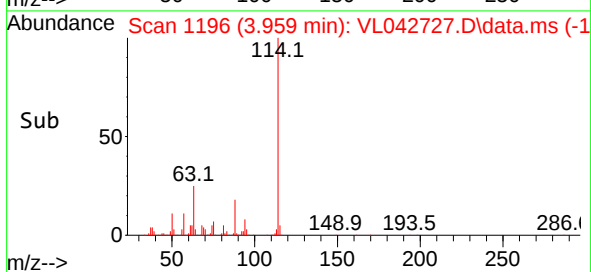
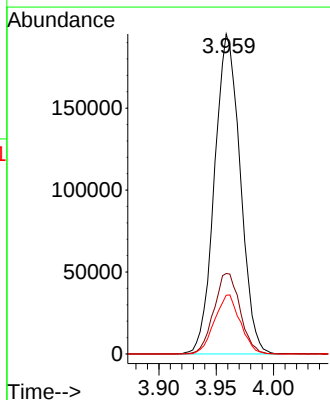
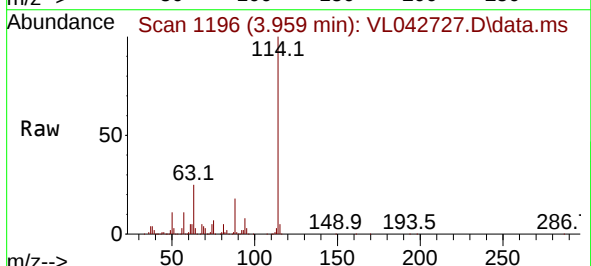
Manual Integrations
 APPROVED

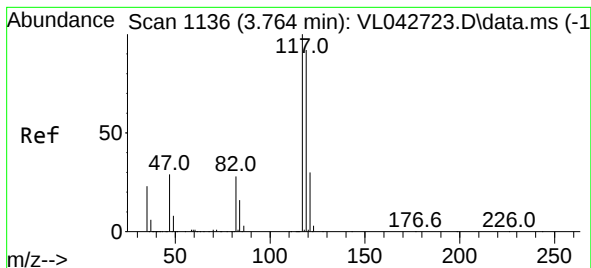
Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.959 min Scan# 1196
 Delta R.T. 0.003 min
 Lab File: VL042727.D
 Acq: 22 Jul 2025 11:12

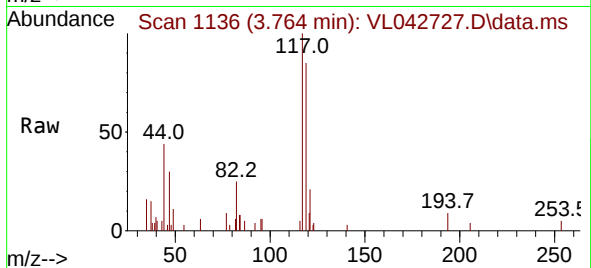
Tgt Ion:114 Resp: 304859
 Ion Ratio Lower Upper
 114 100
 63 25.6 20.4 30.6
 88 18.4 14.5 21.7





#35
Carbon Tetrachloride
Concen: 0.096 ppbv m
RT: 3.764 min Scan# 1136
Delta R.T. 0.000 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

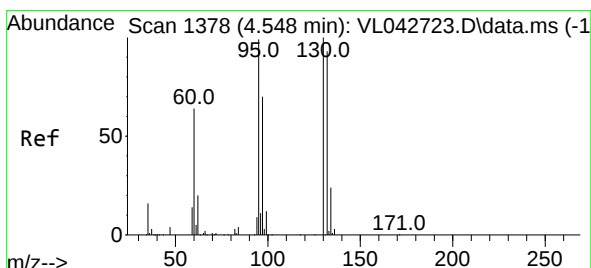
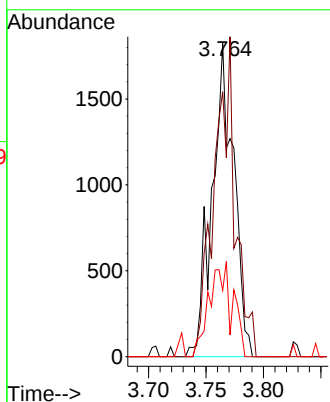
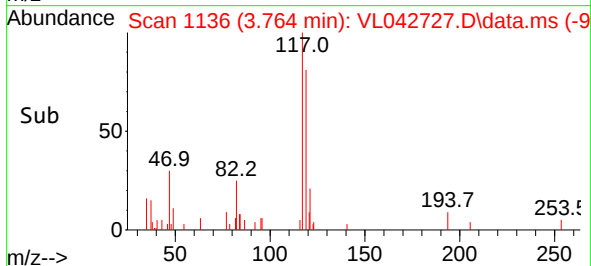
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



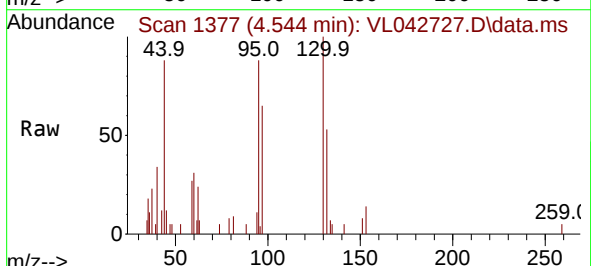
Tgt Ion:117 Resp: 2380
Ion Ratio Lower Upper
117 100
119 84.5 73.7 110.5
121 21.2 23.8 35.8

Manual Integrations
APPROVED

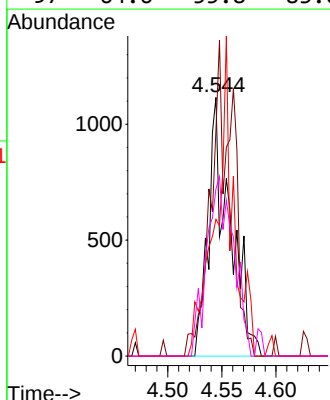
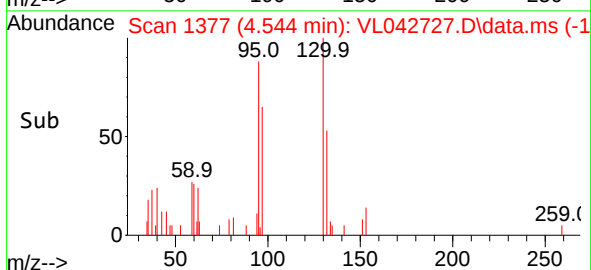
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

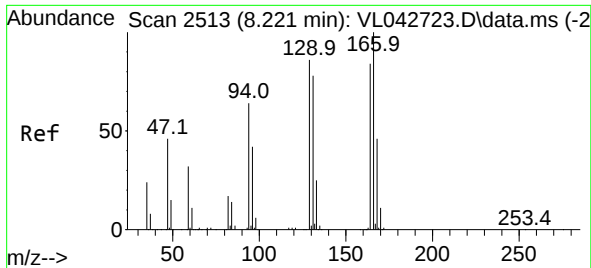


#38
Trichloroethene
Concen: 0.112 ppbv m
RT: 4.544 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12



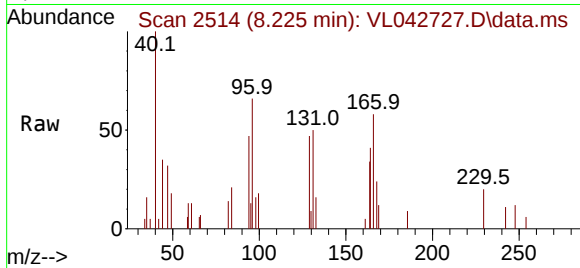
Tgt Ion:130 Resp: 1538
Ion Ratio Lower Upper
130 100
95 87.5 79.2 118.8
132 52.9 74.1 111.1#
97 64.6 55.8 83.6





#52
Tetrachloroethene
Concen: 0.110 ppbv m
RT: 8.225 min Scan# 2513
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

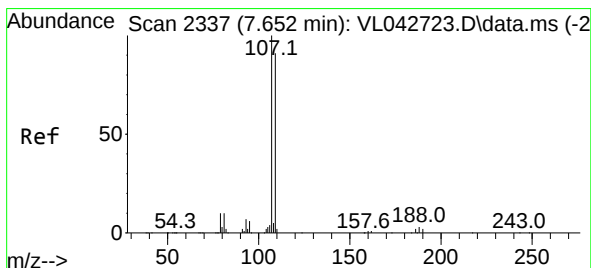
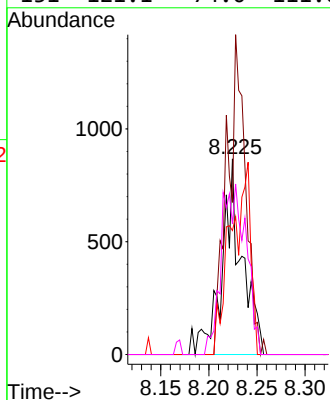
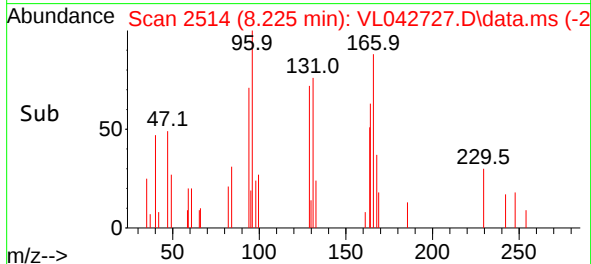
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1



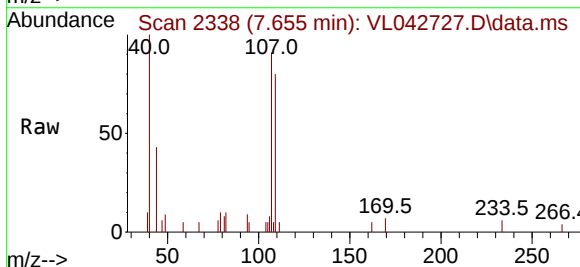
Tgt Ion:164 Resp: 125
Ion Ratio Lower Upper
164 100
166 140.9 95.1 142.7
129 114.8 81.9 122.9
131 121.1 74.0 111.0#

Manual Integrations
APPROVED

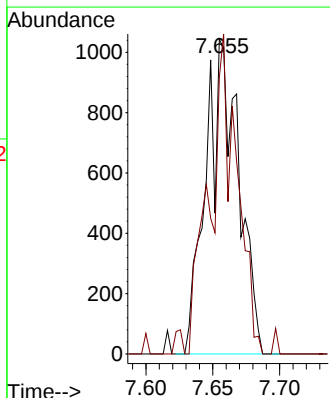
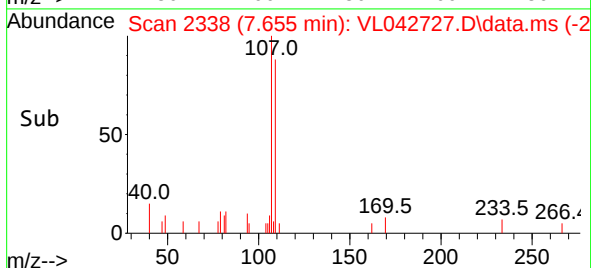
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025

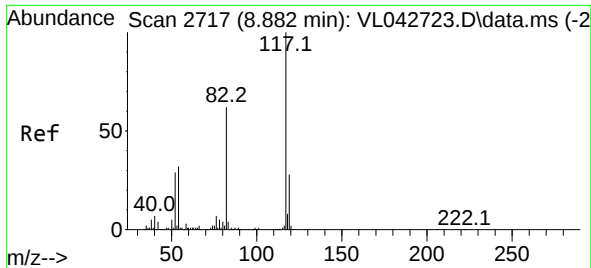


#54
1,2-Dibromoethane
Concen: 0.103 ppbv m
RT: 7.655 min Scan# 2338
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12



Tgt Ion:107 Resp: 1771
Ion Ratio Lower Upper
107 100
109 87.7 72.5 108.7





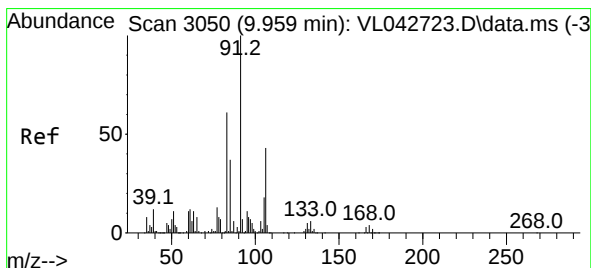
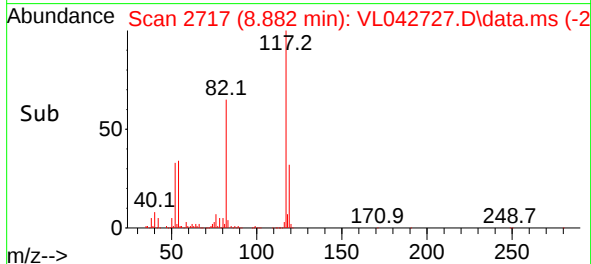
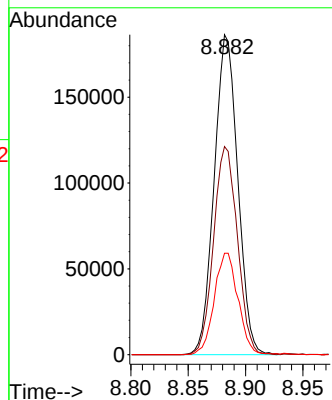
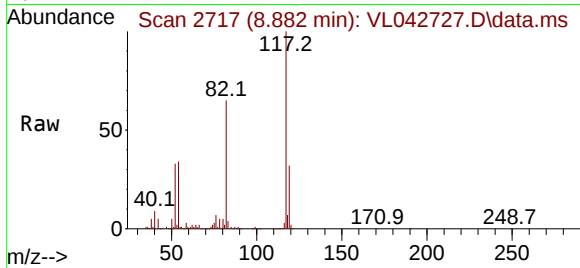
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.000 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 117 Resp: 266440
Ion Ratio Lower Upper
117 100
82 65.8 54.6 81.8
119 32.2 25.3 37.9

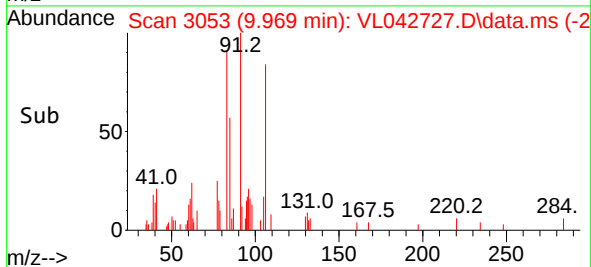
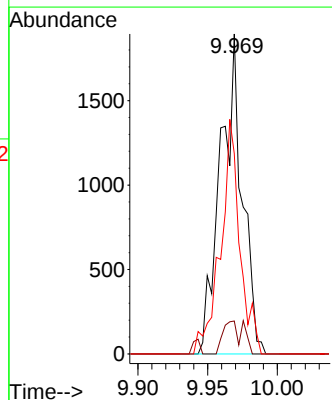
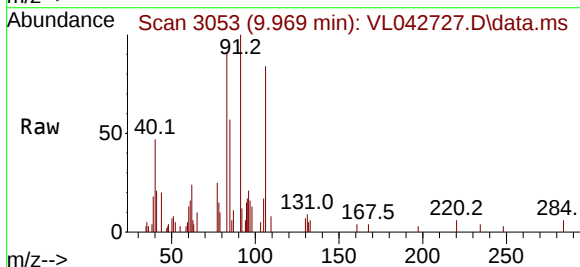
Manual Integrations
APPROVED

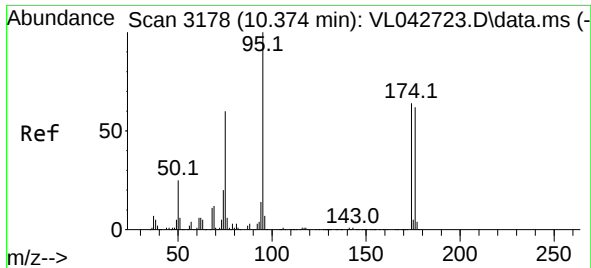
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.100 ppbv m
RT: 9.969 min Scan# 3053
Delta R.T. 0.010 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

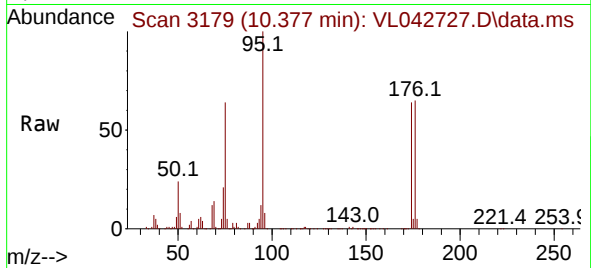
Tgt Ion: 83 Resp: 2064
Ion Ratio Lower Upper
83 100
131 9.3 5.2 15.6
85 64.8 32.1 96.5





#68
1-Bromo-4-Fluorobenzene
Concen: 9.750 ppbv
RT: 10.377 min Scan# 3178
Delta R.T. 0.003 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12

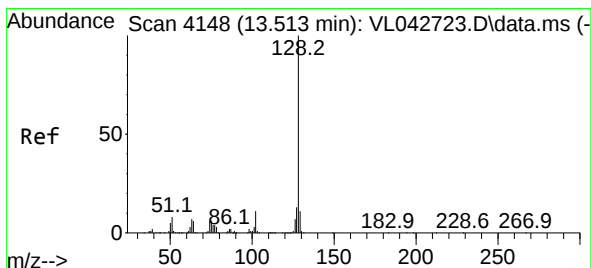
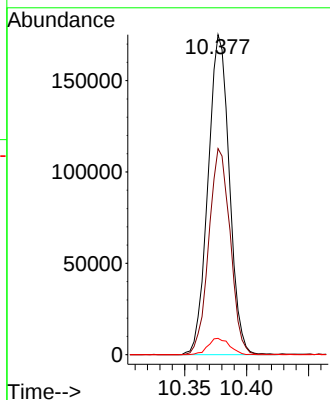
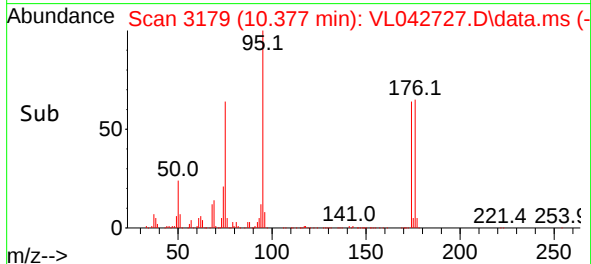
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



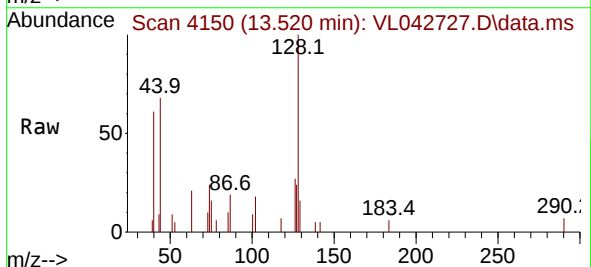
Tgt Ion: 95 Resp: 209962
Ion Ratio Lower Upper
95 100
174 64.7 51.4 77.2
175 5.1 4.2 6.4

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#79
Naphthalene
Concen: 0.037 ppbv m
RT: 13.520 min Scan# 4150
Delta R.T. 0.007 min
Lab File: VL042727.D
Acq: 22 Jul 2025 11:12



Tgt Ion:128 Resp: 1082
Ion Ratio Lower Upper
128 100
127 24.5 10.3 15.5#
129 16.1 8.6 13.0#

