

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
 Data File : VL042550.D
 Acq On : 20 May 2025 11:22
 Operator : SY/MD
 Sample : VSTDIC0.1
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 05/21/2025
 Supervised By : Mahesh Dadoda 05/21/2025

Quant Time: May 20 23:27:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue May 20 23:22:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	116621	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.969	114	382934	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.892	117	332012	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.384	95	258212	9.717	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%
Target Compounds						
5) Vinyl Chloride	1.583	62	738	0.095	ppbv #	66
32) 1,1,1-Trichloroethane	3.376	97	2721	0.099	ppbv	96
35) Carbon Tetrachloride	3.774	117	2693m	0.092	ppbv	
38) Trichloroethene	4.561	130	1538m	0.109	ppbv	
52) Tetrachloroethene	8.231	164	1125m	0.093	ppbv	
54) 1,2-Dibromoethane	7.671	107	1764m	0.093	ppbv	
63) 1,1,2,2-Tetrachloroethane	9.976	83	2359	0.097	ppbv	95
79) Naphthalene	13.520	128	1306	0.037	ppbv #	83

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

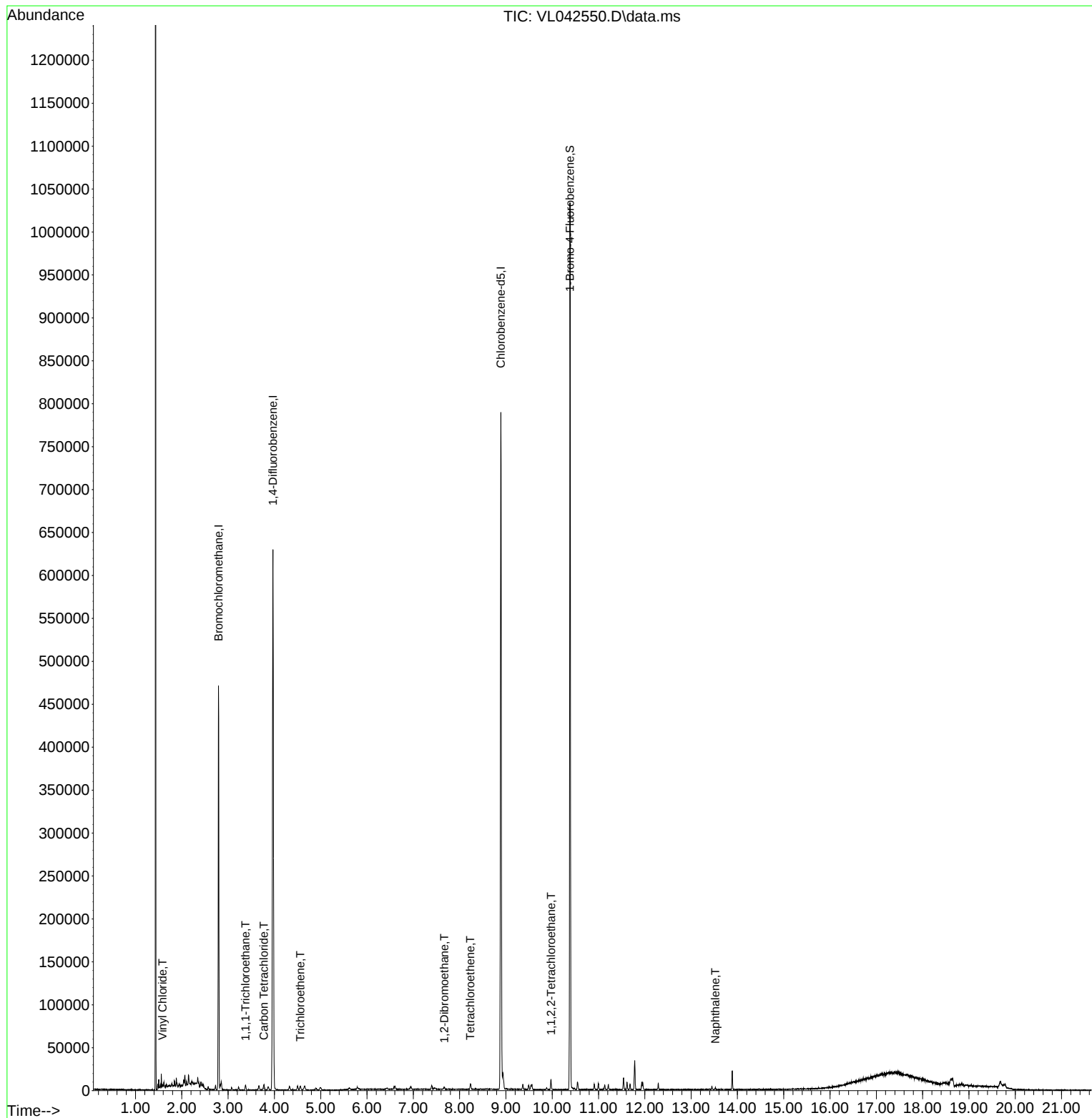
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052025\
Data File : VL042550.D
Acq On : 20 May 2025 11:22
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

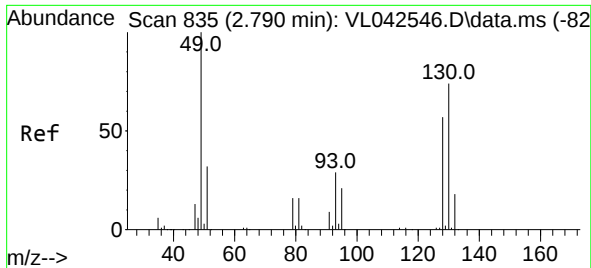
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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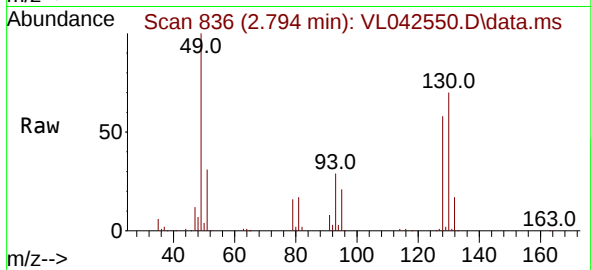
Quant Time: May 20 23:27:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052025AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue May 20 23:22:25 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

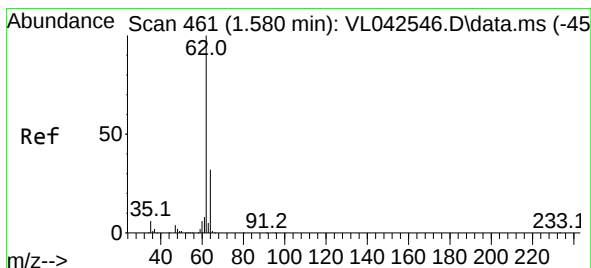
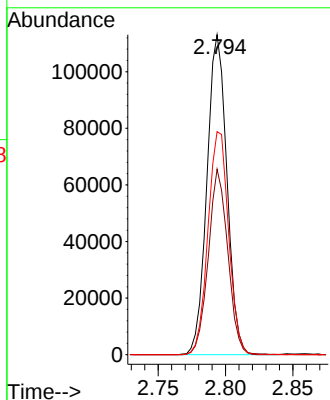
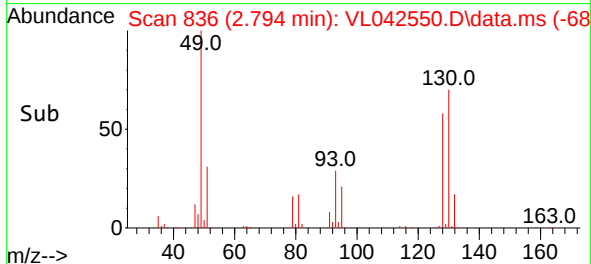
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 49 Resp: 11662
Ion Ratio Lower Upper
49 100
128 56.4 28.6 85.8
130 72.1 36.6 109.8

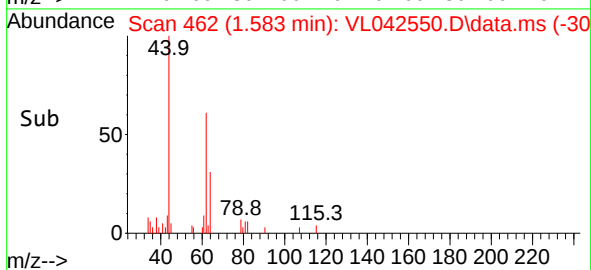
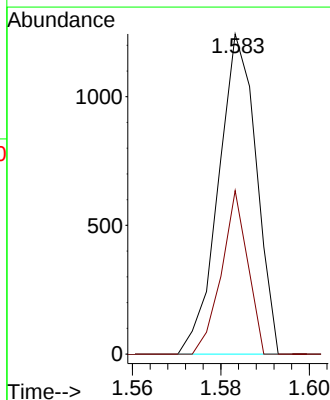
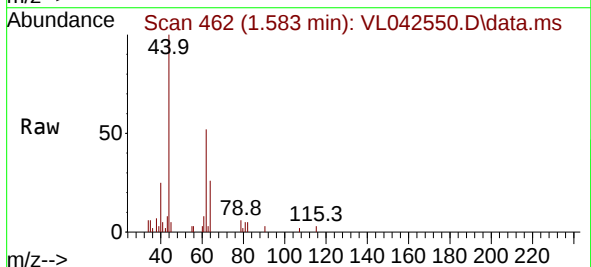
Manual Integrations
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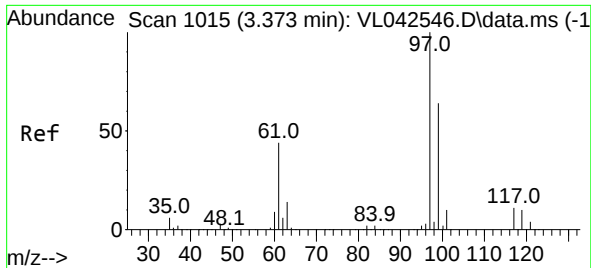
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#5
Vinyl Chloride
Concen: 0.095 ppbv
RT: 1.583 min Scan# 462
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

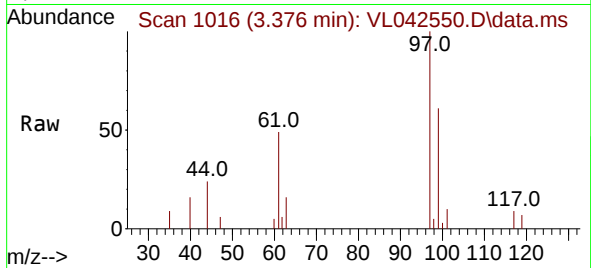
Tgt Ion: 62 Resp: 738
Ion Ratio Lower Upper
62 100
64 51.0 25.7 38.5#





#32
 1,1,1-Trichloroethane
 Concen: 0.099 ppbv
 RT: 3.376 min Scan# 1015
 Delta R.T. 0.003 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22

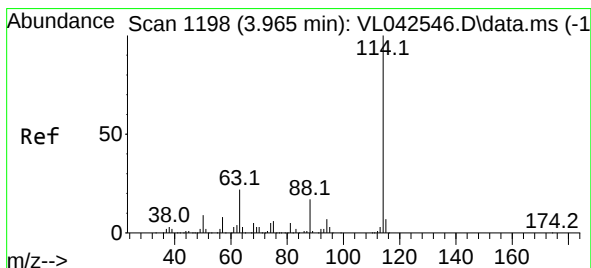
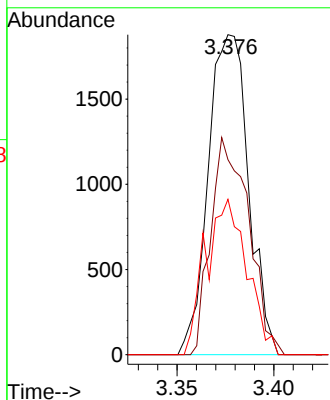
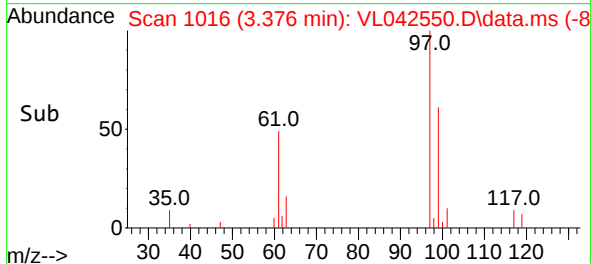
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1



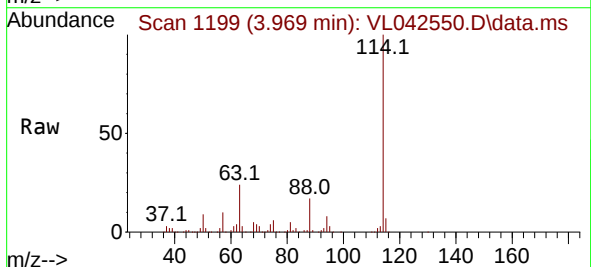
Tgt Ion: 97 Resp: 272
 Ion Ratio Lower Upper
 97 100
 99 64.1 51.5 77.3
 61 50.0 35.7 53.5

Manual Integrations
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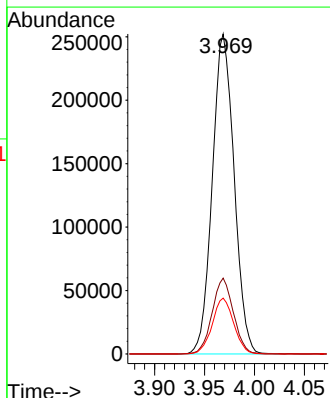
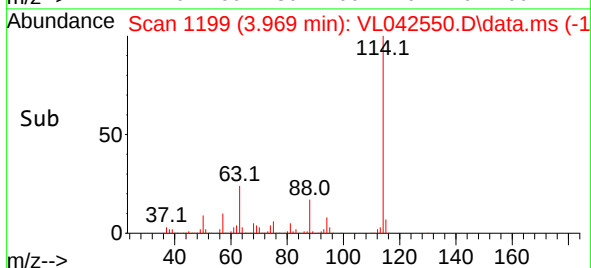
Reviewed By :Semsettin Yesilyurt 05/21/2025
 Supervised By :Mahesh Dadoda 05/21/2025

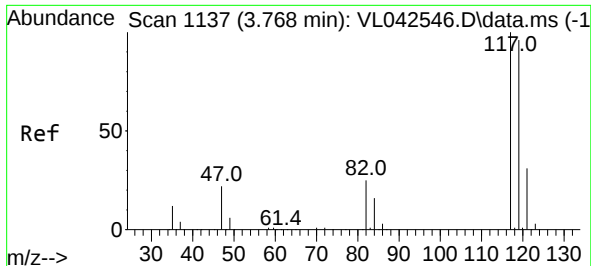


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.969 min Scan# 1199
 Delta R.T. 0.003 min
 Lab File: VL042550.D
 Acq: 20 May 2025 11:22



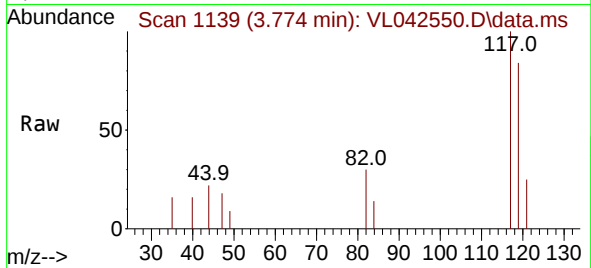
Tgt Ion:114 Resp: 382934
 Ion Ratio Lower Upper
 114 100
 63 23.1 18.4 27.6
 88 17.1 14.0 21.0





#35
Carbon Tetrachloride
Concen: 0.092 ppbv m
RT: 3.774 min Scan# 1137
Delta R.T. 0.007 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

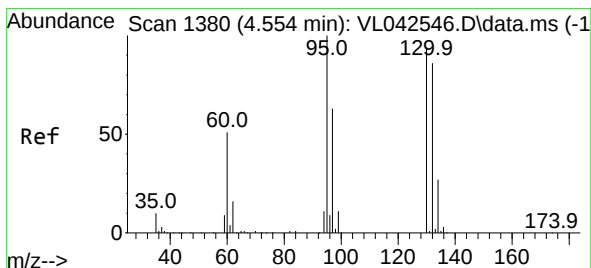
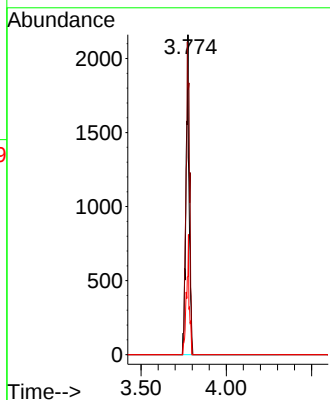
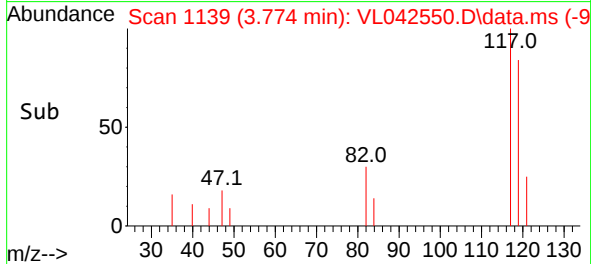
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:117 Resp: 269
Ion Ratio Lower Upper
117 100
119 84.3 76.6 114.8
121 24.5 24.7 37.1

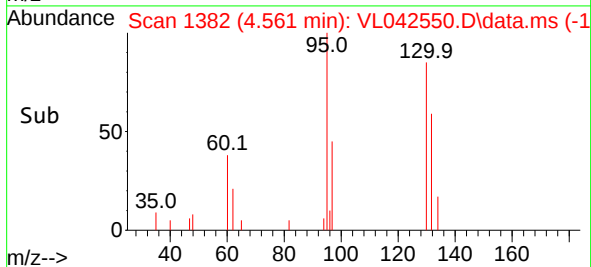
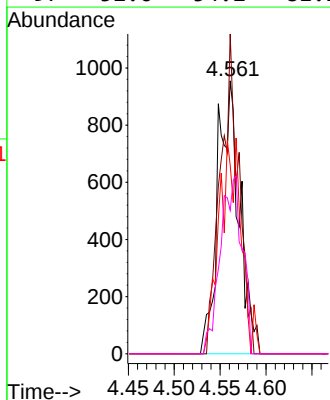
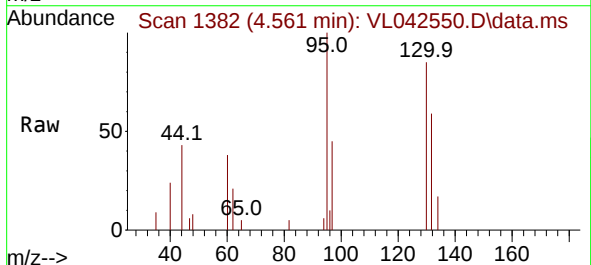
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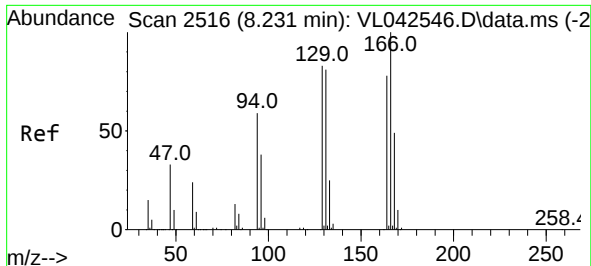
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#38
Trichloroethene
Concen: 0.109 ppbv m
RT: 4.561 min Scan# 1382
Delta R.T. 0.007 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

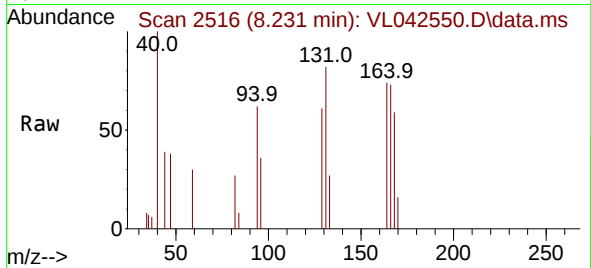
Tgt Ion:130 Resp: 1538
Ion Ratio Lower Upper
130 100
95 117.2 85.2 127.8
132 69.1 73.4 110.2#
97 52.6 54.2 81.2#





#52
Tetrachloroethene
Concen: 0.093 ppbv m
RT: 8.231 min Scan# 2516
Delta R.T. 0.000 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

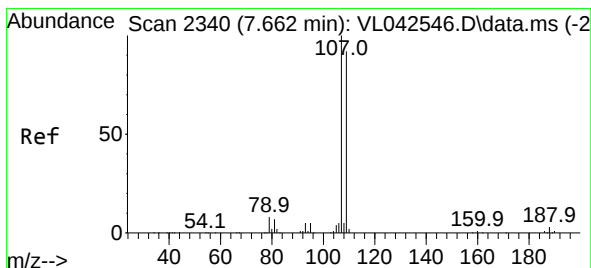
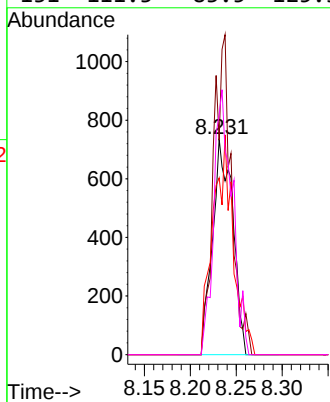
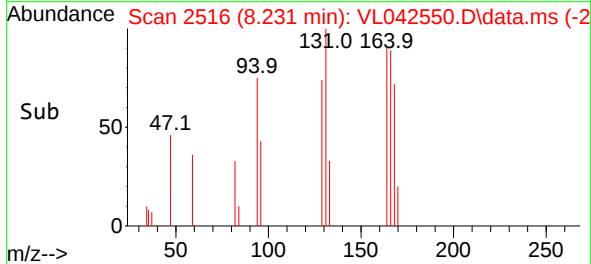
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



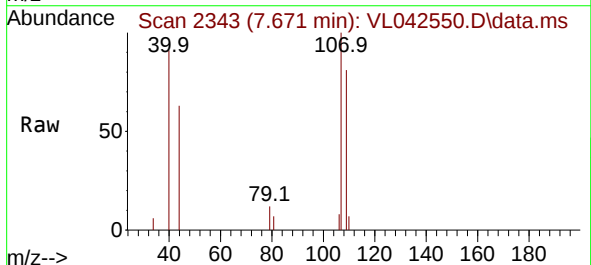
Tgt Ion:164 Resp: 1129
Ion Ratio Lower Upper
164 100
166 99.3 103.1 154.7
129 81.8 85.3 127.9
131 111.3 83.5 125.3

Manual Integrations
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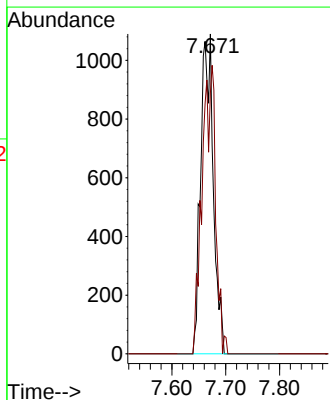
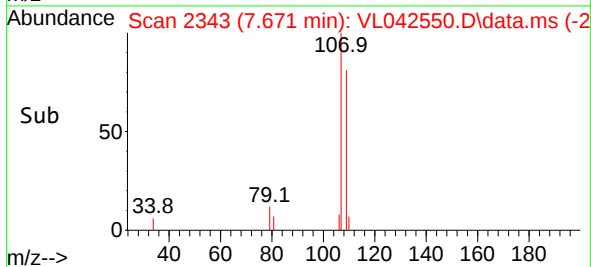
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025

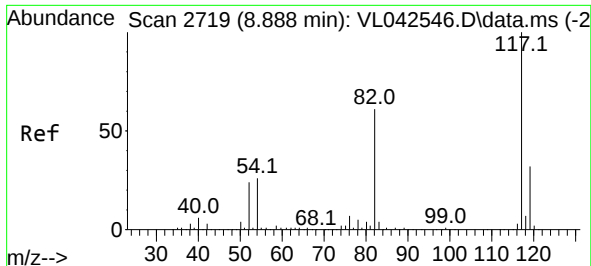


#54
1,2-Dibromoethane
Concen: 0.093 ppbv m
RT: 7.671 min Scan# 2343
Delta R.T. 0.010 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22



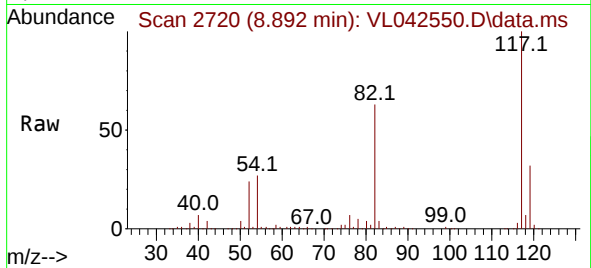
Tgt Ion:107 Resp: 1764
Ion Ratio Lower Upper
107 100
109 81.4 73.4 110.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.892 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

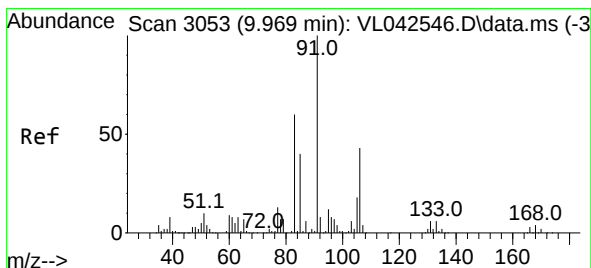
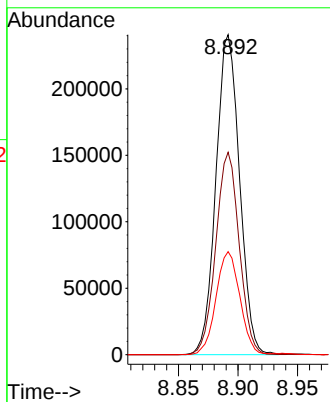
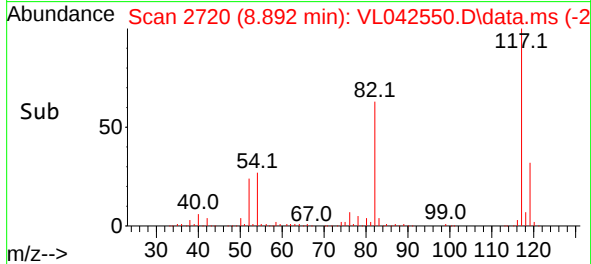
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1



Tgt Ion:117 Resp: 33201
Ion Ratio Lower Upper
117 100
82 62.7 51.0 76.4
119 32.9 27.0 40.4

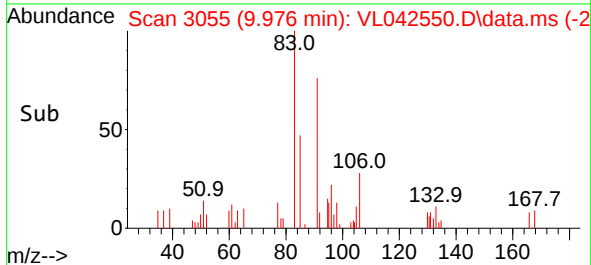
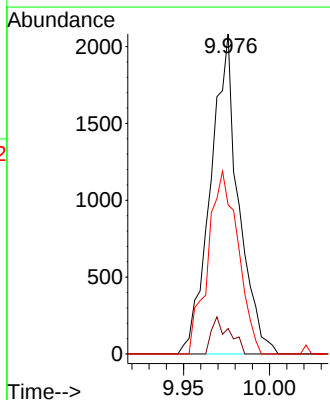
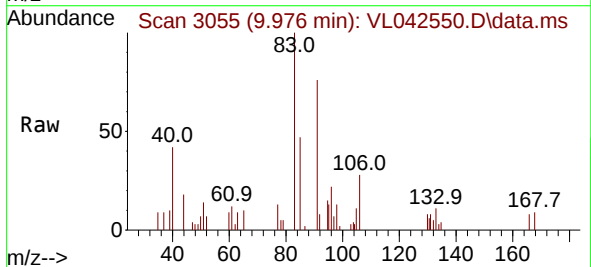
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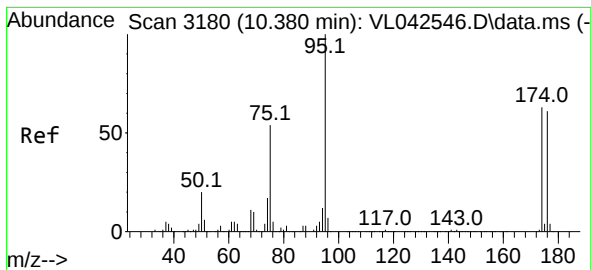
Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#63
1,1,2,2-Tetrachloroethane
Concen: 0.097 ppbv
RT: 9.976 min Scan# 3055
Delta R.T. 0.007 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

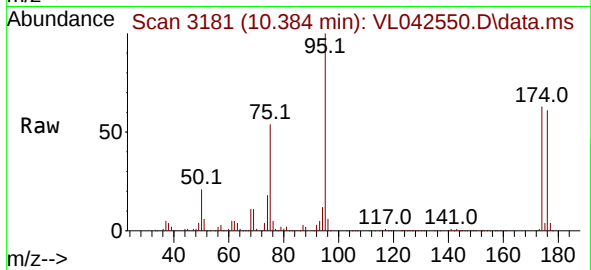
Tgt Ion: 83 Resp: 2359
Ion Ratio Lower Upper
83 100
131 7.4 5.1 15.3
85 61.2 32.5 97.4





#68
1-Bromo-4-Fluorobenzene
Concen: 9.717 ppbv
RT: 10.384 min Scan# 3180
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22

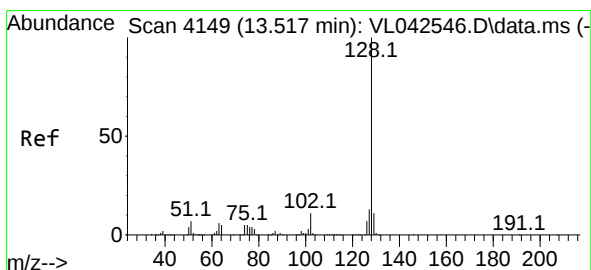
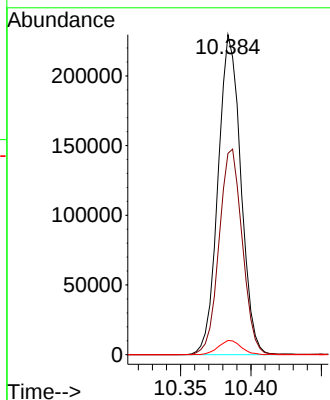
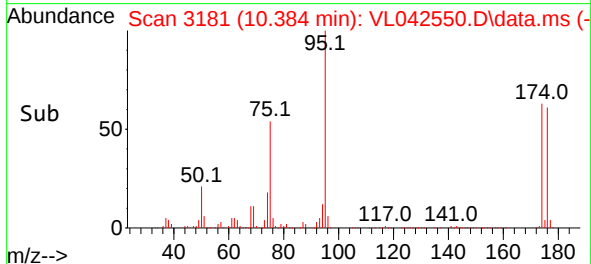
Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1



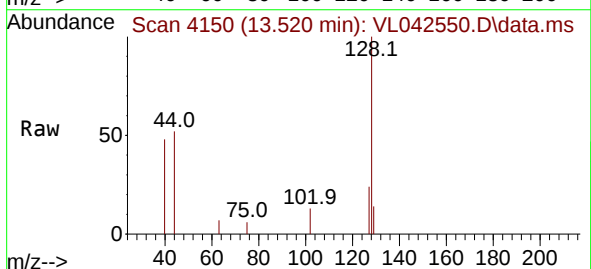
Tgt Ion: 95 Resp: 25821
Ion Ratio Lower Upper
95 100
174 65.8 52.0 78.0
175 4.5 3.8 5.6

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 05/21/2025
Supervised By :Mahesh Dadoda 05/21/2025



#79
Naphthalene
Concen: 0.037 ppbv
RT: 13.520 min Scan# 4150
Delta R.T. 0.003 min
Lab File: VL042550.D
Acq: 20 May 2025 11:22



Tgt Ion:128 Resp: 1306
Ion Ratio Lower Upper
128 100
127 23.5 10.5 15.7#
129 13.7 9.0 13.4#

