

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
 Data File : VL040918.D
 Acq On : 20 Dec 2023 13:39
 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 12/21/2023
 Supervised By : Mahesh Dadoda 12/21/2023

Quant Time: Dec 21 07:10:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Dec 21 07:06:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1237585	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.636	114	3097436	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.439	117	2621128	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.748	95	1992497	10.320	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.200%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.928	62	6476m	0.101	ppbv	
32) 1,1,1-Trichloroethane	5.992	97	17138m	0.094	ppbv	
35) Carbon Tetrachloride	6.478	117	18165m	0.093	ppbv	
38) Trichloroethene	7.279	130	8198m	0.088	ppbv	
52) Tetrachloroethene	10.597	164	7520m	0.092	ppbv	
54) 1,2-Dibromoethane	9.992	107	11986m	0.086	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.024	83	17299m	0.089	ppbv	
79) Naphthalene	21.410	128	7301m	0.055	ppbv	

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

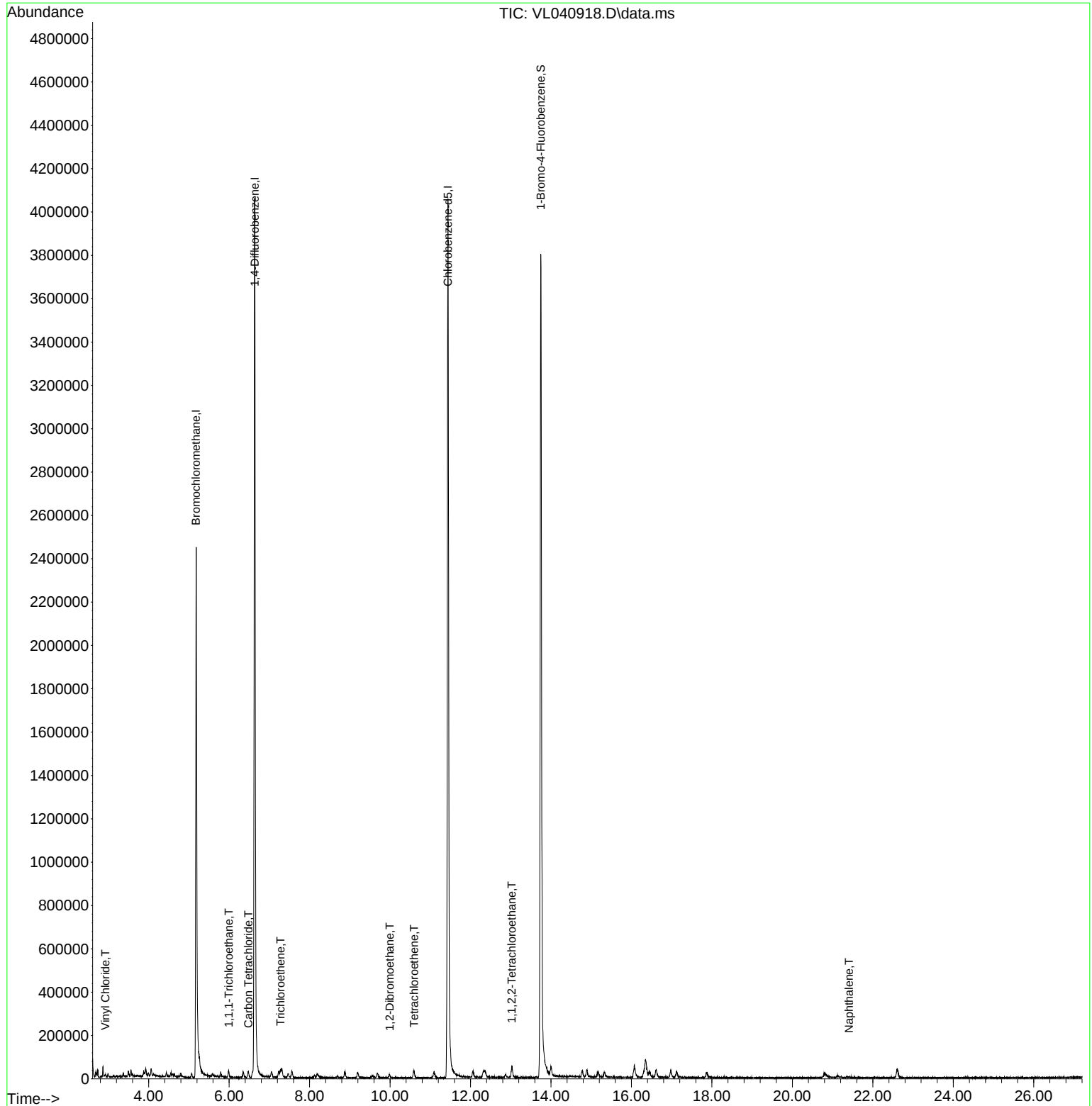
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122023\
Data File : VL040918.D
Acq On : 20 Dec 2023 13:39
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

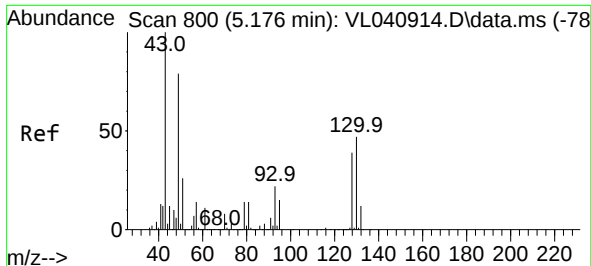
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

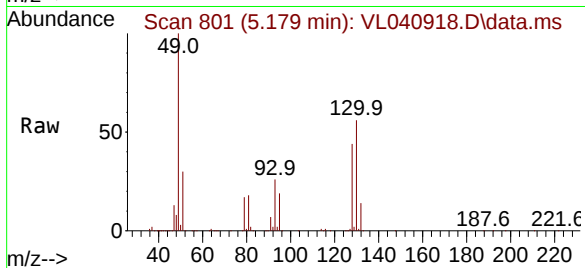
Quant Time: Dec 21 07:10:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Thu Dec 21 07:06:17 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 800
Delta R.T. 0.003 min
Lab File: VL040918.D
Acq: 20 Dec 2023 13:39

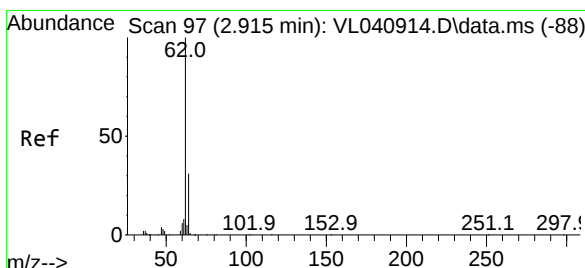
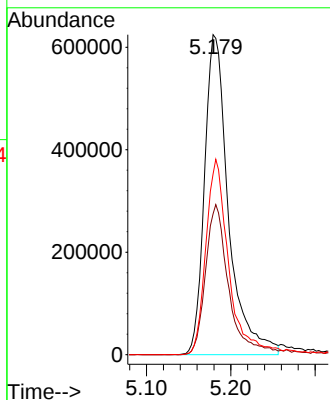
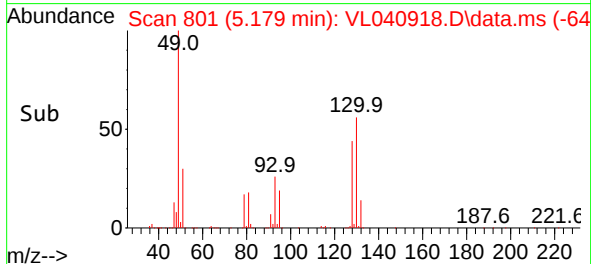
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



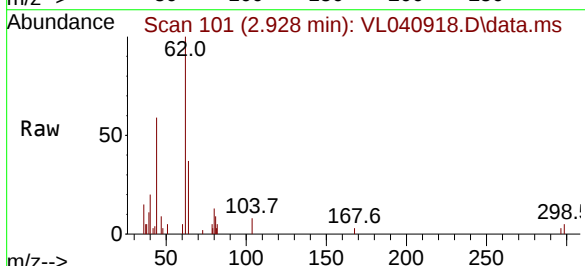
Tgt Ion: 49 Resp: 123758
Ion Ratio Lower Upper
49 100
128 46.7 23.8 71.2
130 60.4 30.1 90.5

Manual Integrations
APPROVED

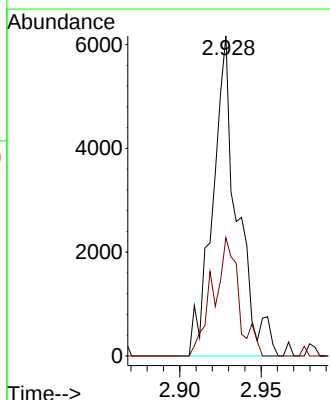
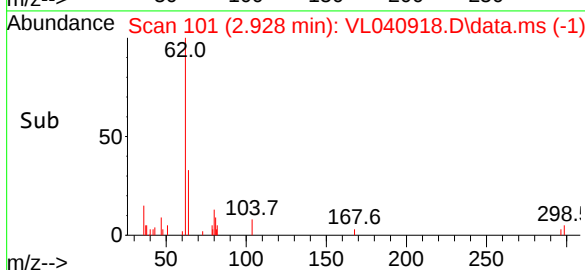
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

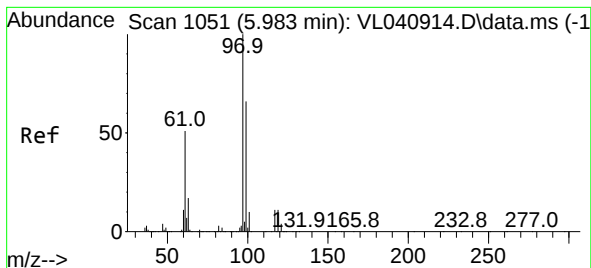


#5
Vinyl Chloride
Concen: 0.101 ppbv m
RT: 2.928 min Scan# 101
Delta R.T. 0.013 min
Lab File: VL040918.D
Acq: 20 Dec 2023 13:39



Tgt Ion: 62 Resp: 6476
Ion Ratio Lower Upper
62 100
64 37.0 24.9 37.3





#32

1,1,1-Trichloroethane

Concen: 0.094 ppbv m

RT: 5.992 min Scan# 1054

Delta R.T. 0.010 min

Lab File: VL040918.D

Acq: 20 Dec 2023 13:39

Instrument :

MSVOA_L

ClientSampleId :

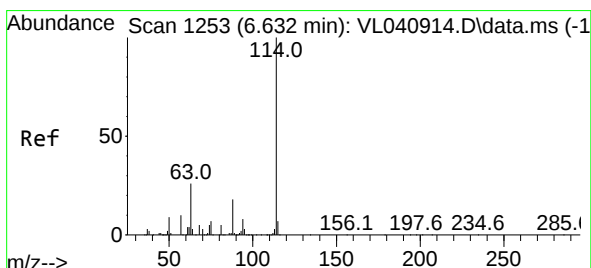
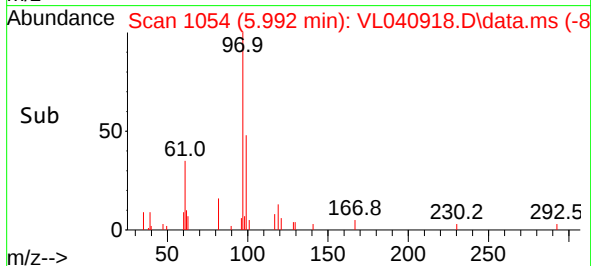
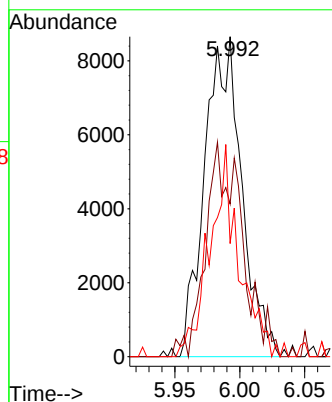
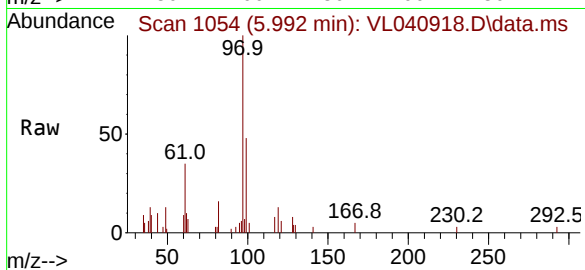
VSTDICC0.1

Tgt Ion:	97	Resp:	17138
Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.8	77.6
61	0.0	41.0	61.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

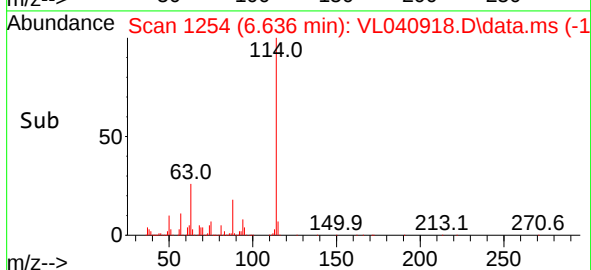
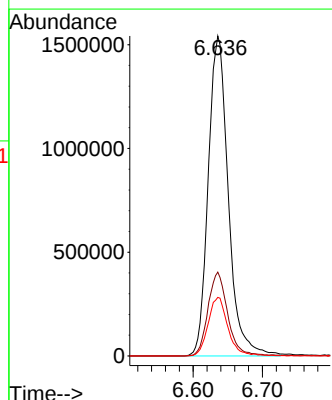
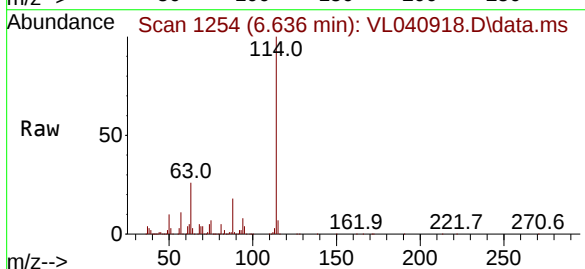
RT: 6.636 min Scan# 1254

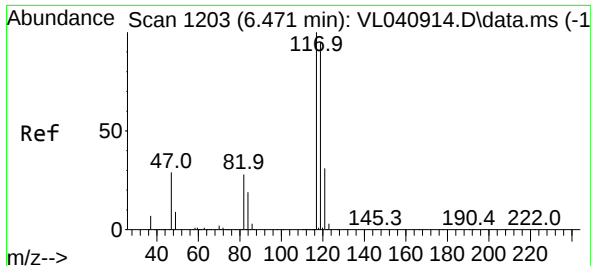
Delta R.T. 0.003 min

Lab File: VL040918.D

Acq: 20 Dec 2023 13:39

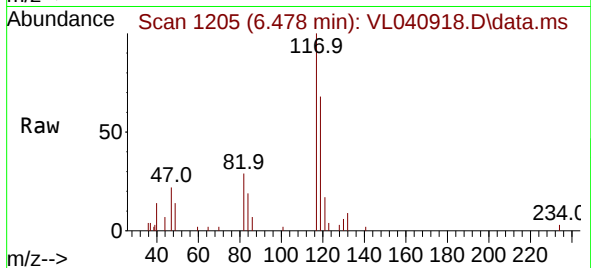
Tgt Ion:	114	Resp:	3097436
Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.0	31.6
88	18.1	14.3	21.5





#35
Carbon Tetrachloride
Concen: 0.093 ppbv m
RT: 6.478 min Scan# 117
Delta R.T. 0.007 min
Lab File: VL040918.D
Acq: 20 Dec 2023 13:39

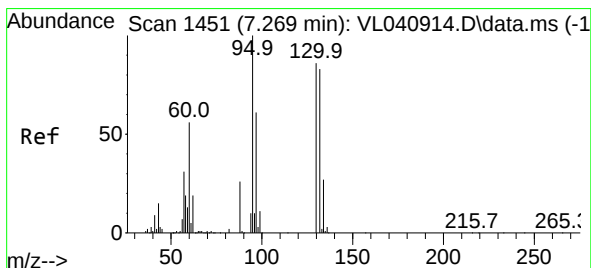
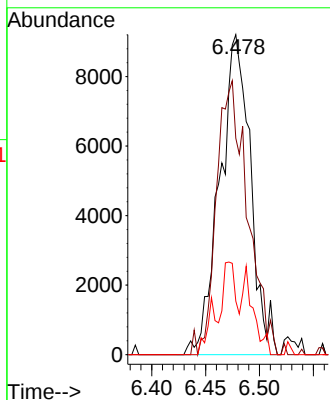
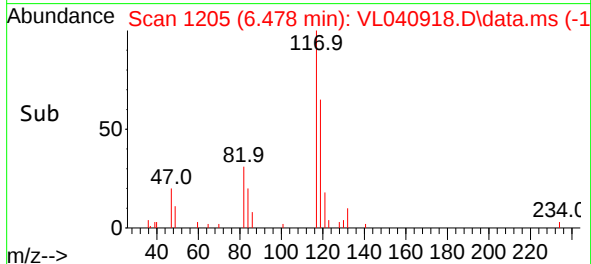
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



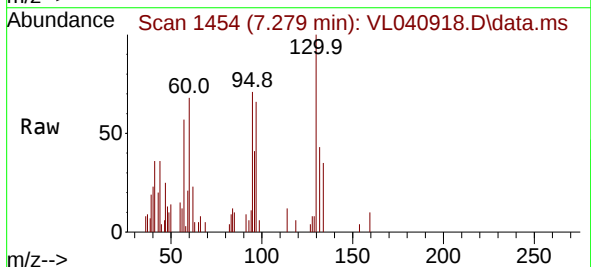
Tgt Ion:117 Resp: 1816
Ion Ratio Lower Upper
117 100
119 67.6 76.3 114.5
121 16.8 24.9 37.3

Manual Integrations
APPROVED

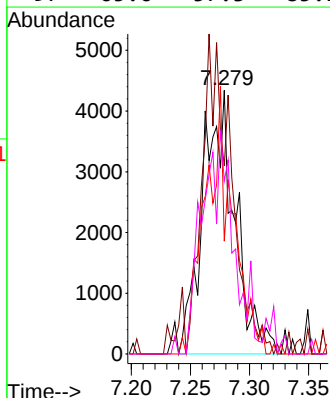
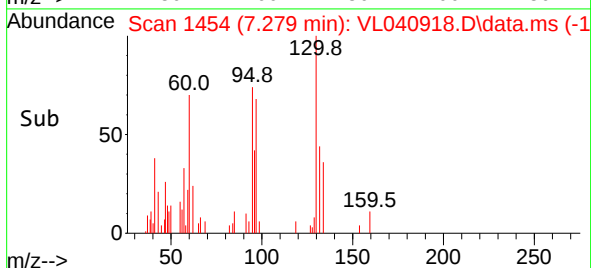
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

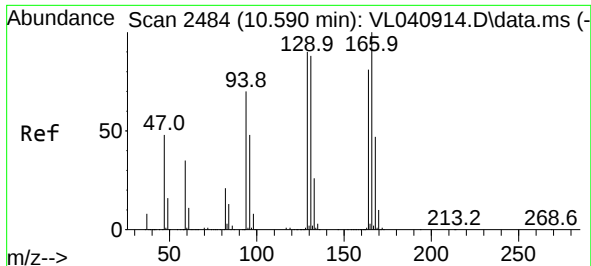


#38
Trichloroethene
Concen: 0.088 ppbv m
RT: 7.279 min Scan# 1454
Delta R.T. 0.010 min
Lab File: VL040918.D
Acq: 20 Dec 2023 13:39



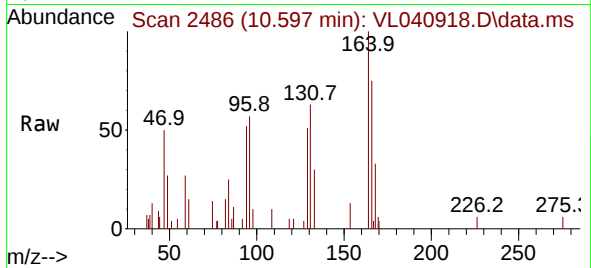
Tgt Ion:130 Resp: 8198
Ion Ratio Lower Upper
130 100
95 71.3 93.5 140.3#
132 42.8 77.4 116.2#
97 65.6 57.3 85.9





#52
Tetrachloroethene
Concen: 0.092 ppbv m
RT: 10.597 min Scan# 2484
Delta R.T. 0.007 min
Lab File: VL040918.D
Acq: 20 Dec 2023 13:39

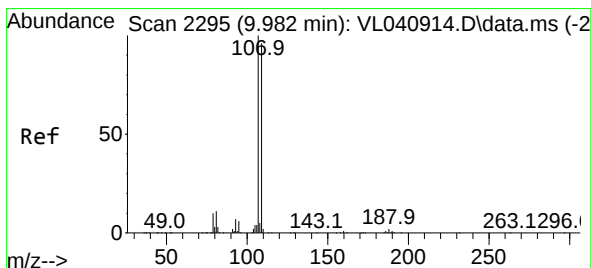
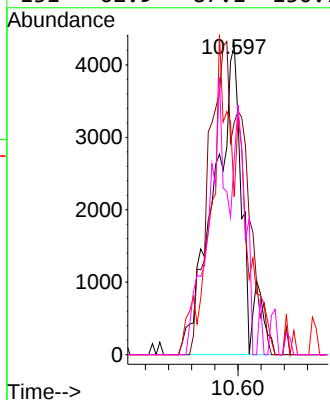
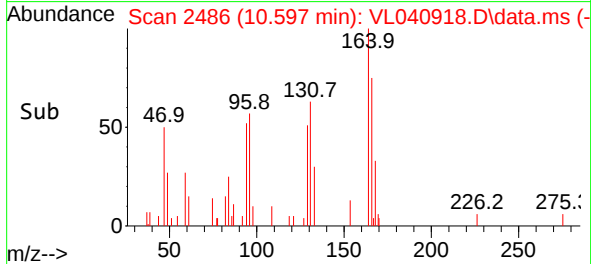
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion:164 Resp: 7520
Ion Ratio Lower Upper
164 100
166 75.0 98.9 148.3
129 51.1 88.7 133.1
131 62.9 87.1 130.7

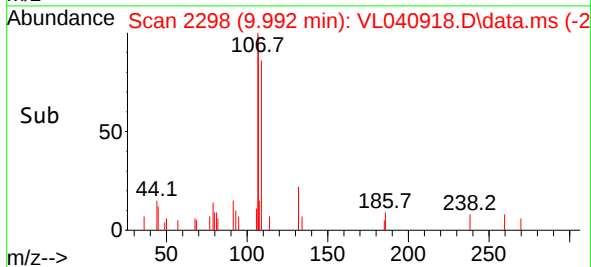
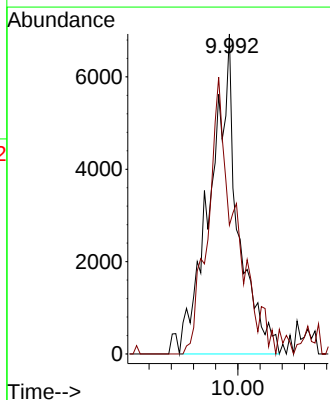
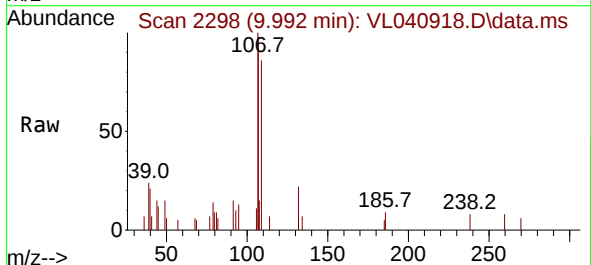
Manual Integrations
APPROVED

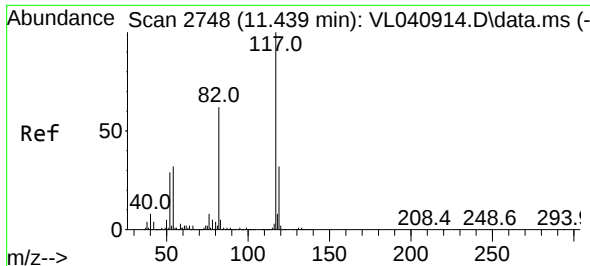
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#54
1,2-Dibromoethane
Concen: 0.086 ppbv m
RT: 9.992 min Scan# 2298
Delta R.T. 0.010 min
Lab File: VL040918.D
Acq: 20 Dec 2023 13:39

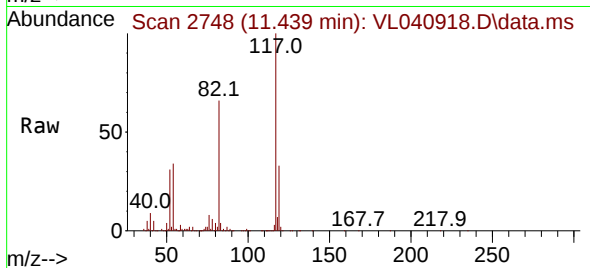
Tgt Ion:107 Resp: 11986
Ion Ratio Lower Upper
107 100
109 85.7 77.0 115.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.439 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VL040918.D
Acq: 20 Dec 2023 13:39

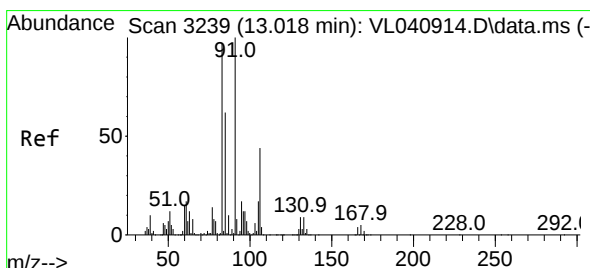
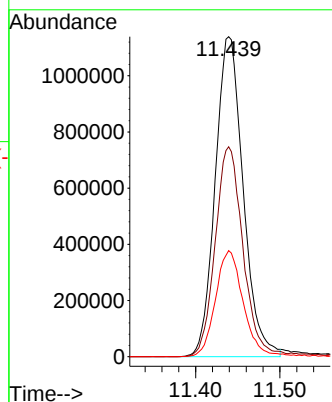
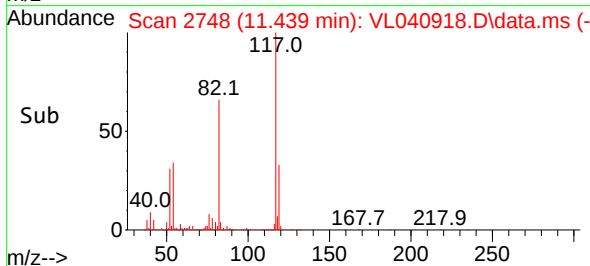
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



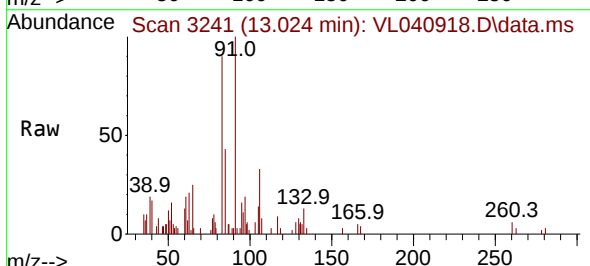
Tgt Ion: 117 Resp: 2621128
Ion Ratio Lower Upper
117 100
82 66.6 49.6 74.4
119 33.2 23.4 35.0

Manual Integrations
APPROVED

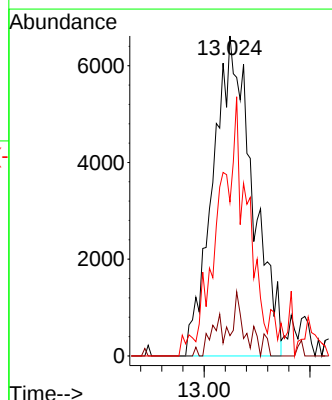
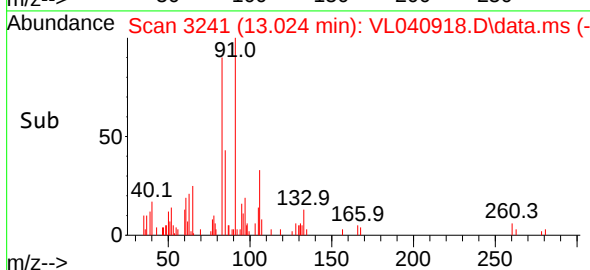
Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023

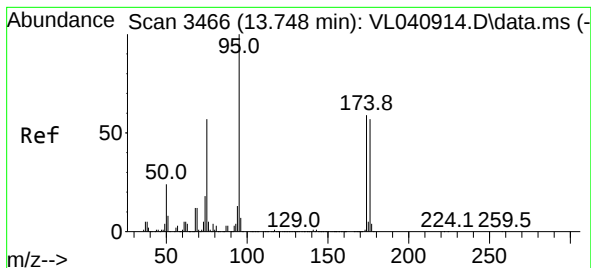


#63
1,1,2,2-Tetrachloroethane
Concen: 0.089 ppbv m
RT: 13.024 min Scan# 3241
Delta R.T. 0.007 min
Lab File: VL040918.D
Acq: 20 Dec 2023 13:39



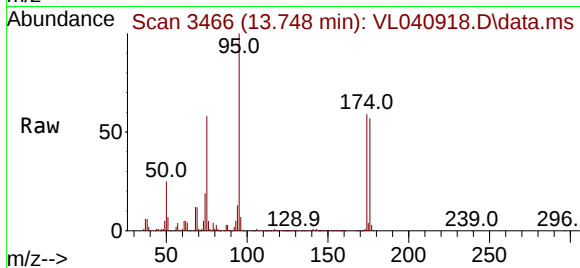
Tgt Ion: 83 Resp: 17299
Ion Ratio Lower Upper
83 100
131 11.0 4.7 14.0
85 65.4 32.6 98.0





#68
1-Bromo-4-Fluorobenzene
Concen: 10.320 ppbv
RT: 13.748 min Scan# 3466
Delta R.T. 0.000 min
Lab File: VL040918.D
Acq: 20 Dec 2023 13:39

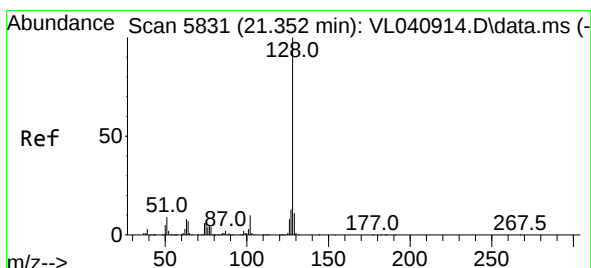
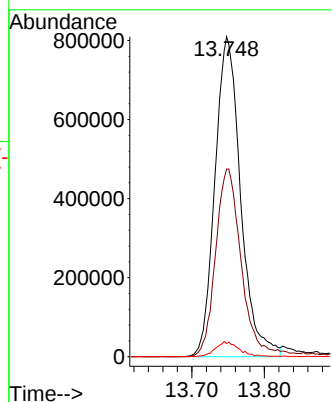
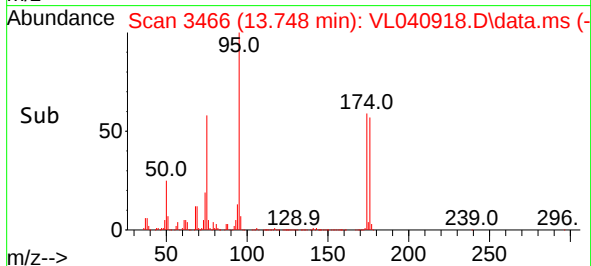
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



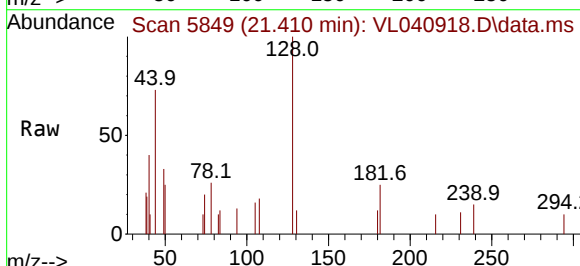
Tgt Ion: 95 Resp: 199249
Ion Ratio Lower Upper
95 100
174 58.9 48.0 72.0
175 4.5 3.7 5.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/21/2023
Supervised By :Mahesh Dadoda 12/21/2023



#79
Naphthalene
Concen: 0.055 ppbv m
RT: 21.410 min Scan# 5849
Delta R.T. 0.058 min
Lab File: VL040918.D
Acq: 20 Dec 2023 13:39



Tgt Ion:128 Resp: 7301
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.7 13.1#

