

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031523\
 Data File : VL040283.D
 Acq On : 15 Mar 2023 14:07
 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 03/16/2023
 Supervised By : Mahesh Dadoda 03/16/2023

Quant Time: Mar 15 15:12:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL031523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Mar 15 14:08:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1126884	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2802921	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2496934	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	2112142	10.287	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.900%
Target Compounds						
5) Vinyl Chloride	2.922	62	5808	0.085	ppbv	96
32) 1,1,1-Trichloroethane	6.012	97	15046m	0.086	ppbv	
35) Carbon Tetrachloride	6.497	117	15274	0.092	ppbv	88
38) Trichloroethene	7.298	130	10190m	0.085	ppbv	
52) Tetrachloroethene	10.626	164	5801m	0.085	ppbv	
54) 1,2-Dibromoethane	10.018	107	7589m	0.079	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.072	83	8056m	0.086	ppbv	
79) Naphthalene	21.423	128	7055m	0.043	ppbv	

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

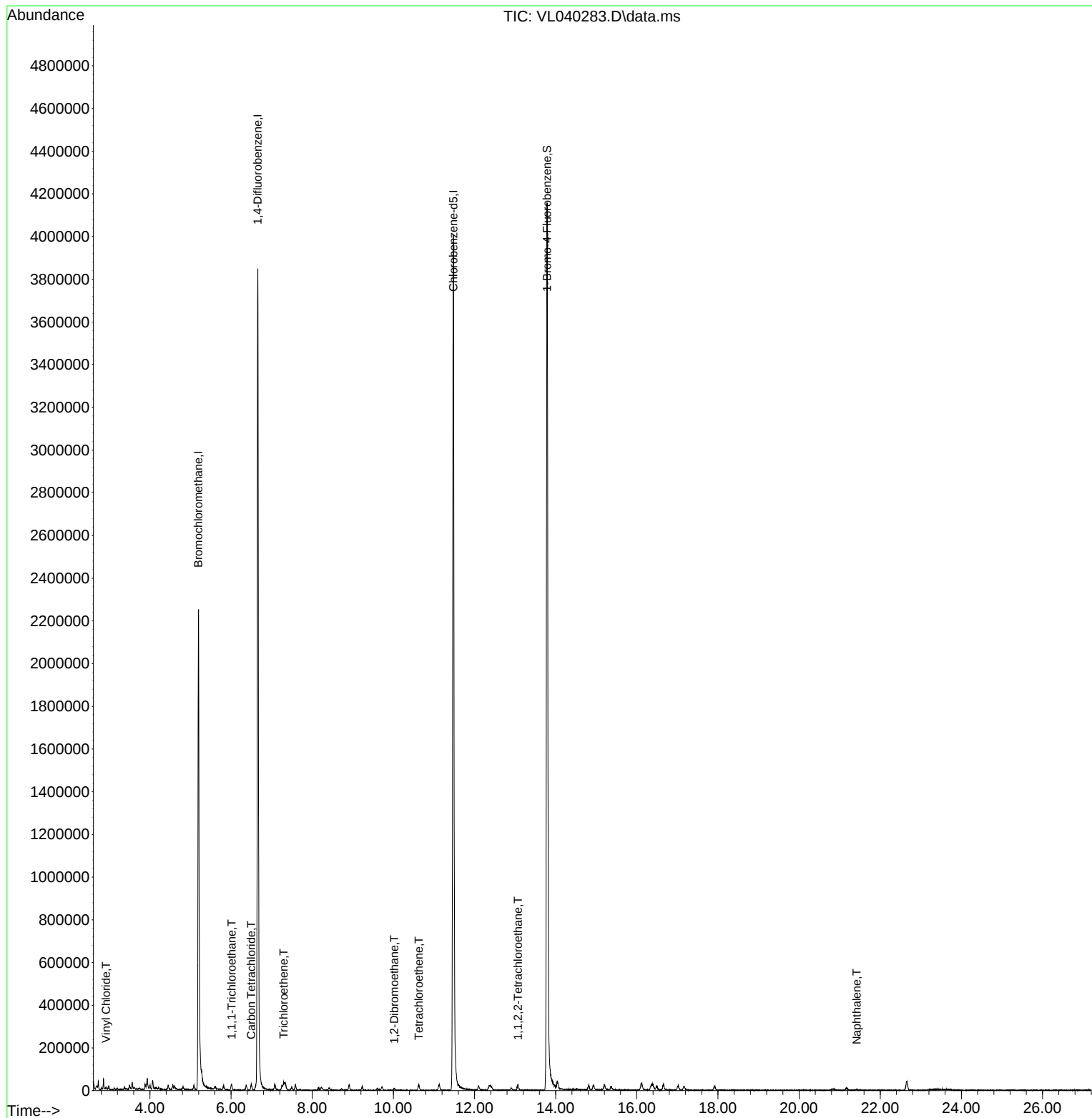
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031523\
Data File : VL040283.D
Acq On : 15 Mar 2023 14:07
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

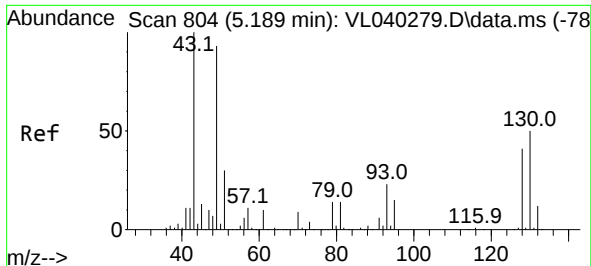
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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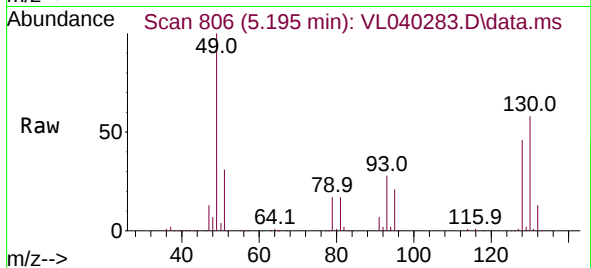
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Mar 15 14:08:38 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040283.D
Acq: 15 Mar 2023 14:07

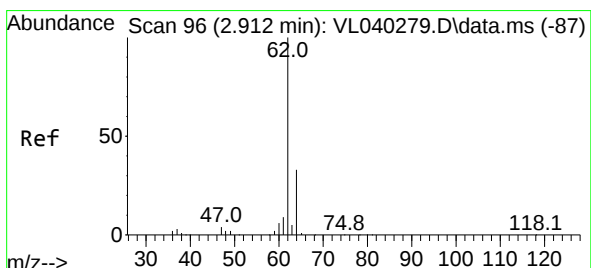
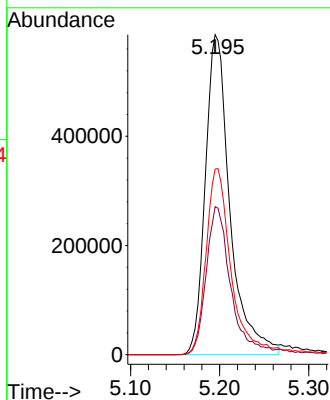
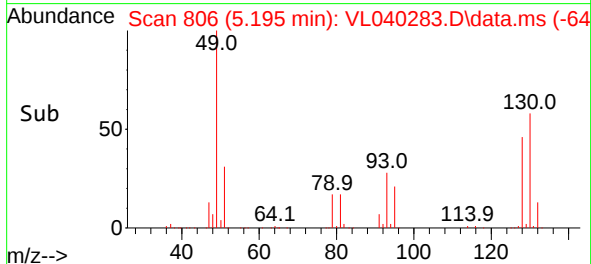
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 49 Resp: 1126884
Ion Ratio Lower Upper
49 100
128 48.2 24.1 72.3
130 61.6 30.9 92.8

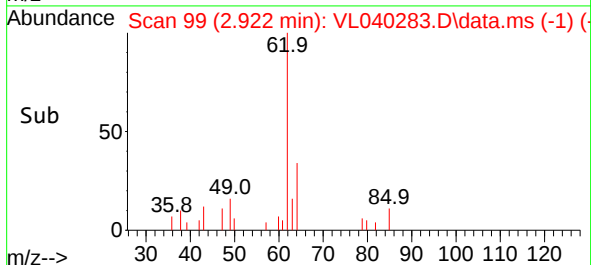
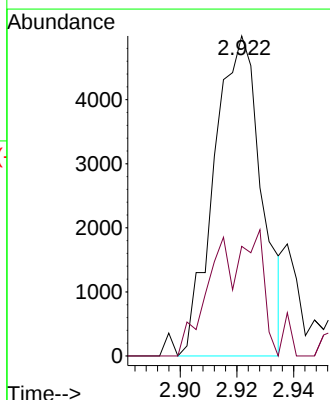
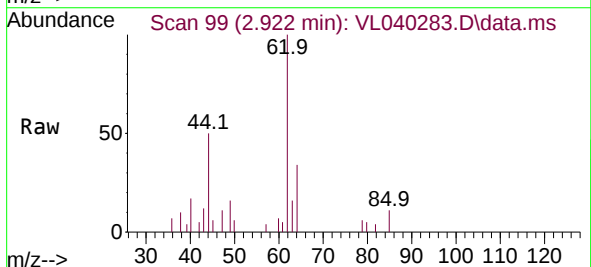
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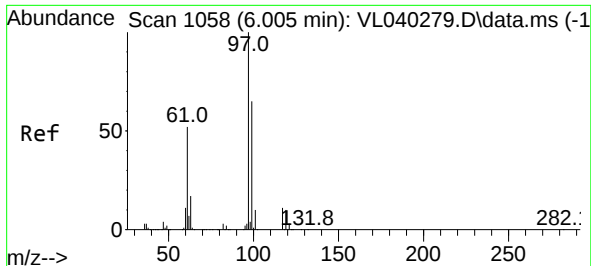
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#5
Vinyl Chloride
Concen: 0.085 ppbv
RT: 2.922 min Scan# 99
Delta R.T. 0.016 min
Lab File: VL040283.D
Acq: 15 Mar 2023 14:07

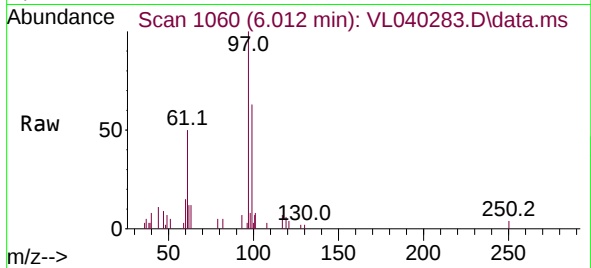
Tgt Ion: 62 Resp: 5808
Ion Ratio Lower Upper
62 100
64 34.3 25.6 38.4





#32
1,1,1-Trichloroethane
Concen: 0.086 ppbv m
RT: 6.012 min Scan# 1058
Delta R.T. 0.013 min
Lab File: VL040283.D
Acq: 15 Mar 2023 14:07

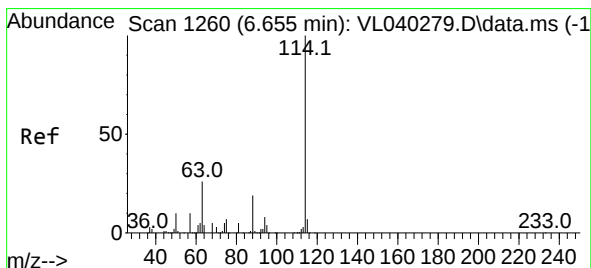
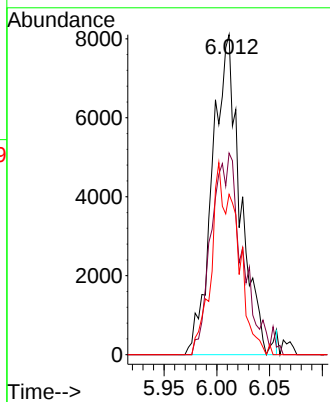
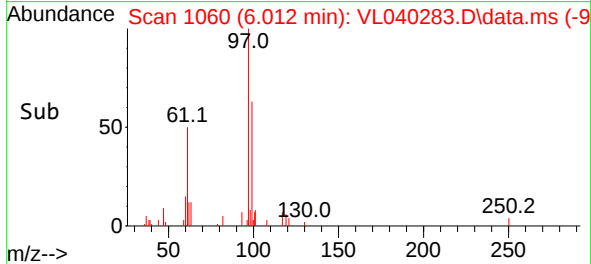
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 97 Resp: 15040
Ion Ratio Lower Upper
97 100
99 0.0 51.5 77.3
61 55.1 40.6 60.8

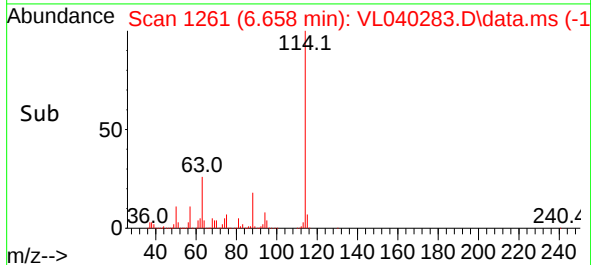
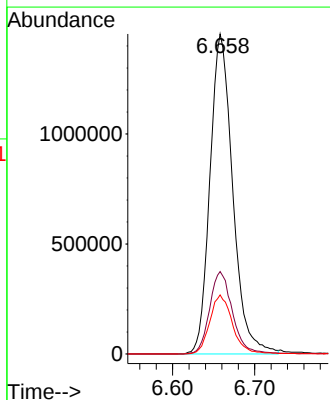
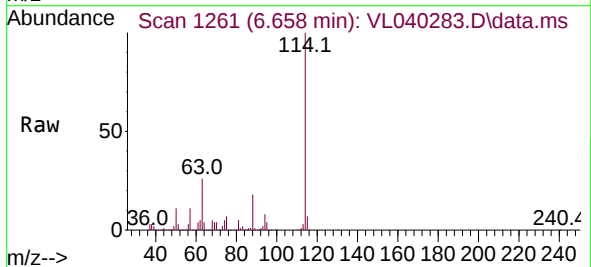
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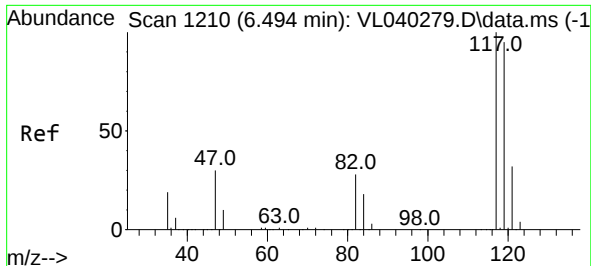
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. 0.003 min
Lab File: VL040283.D
Acq: 15 Mar 2023 14:07

Tgt Ion:114 Resp: 2802921
Ion Ratio Lower Upper
114 100
63 26.0 20.4 30.6
88 18.5 14.3 21.5





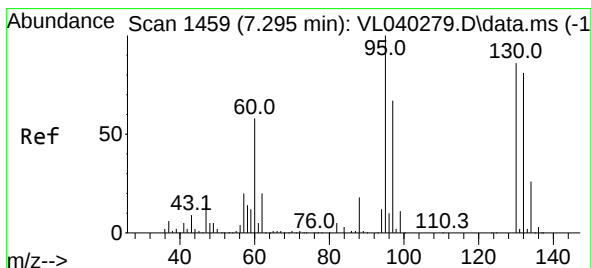
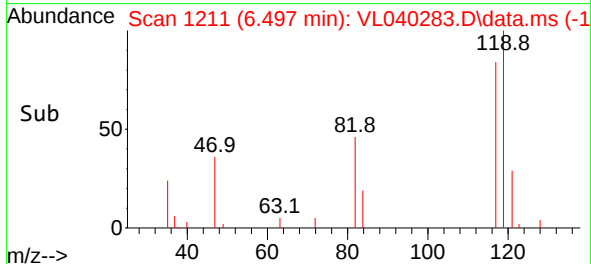
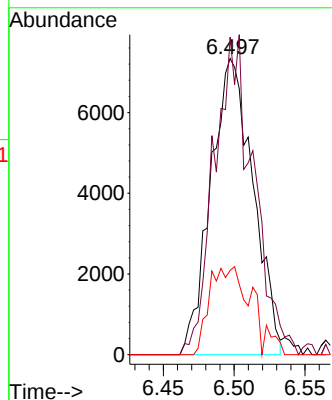
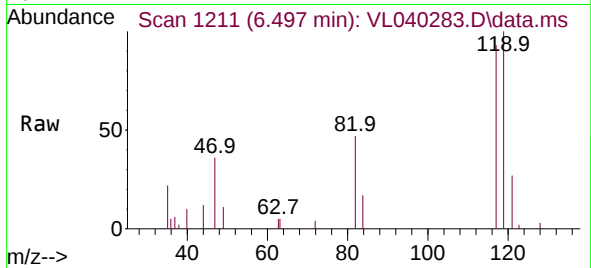
#35
Carbon Tetrachloride
Concen: 0.092 ppbv
RT: 6.497 min Scan# 117
Delta R.T. 0.006 min
Lab File: VL040283.D
Acq: 15 Mar 2023 14:07

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1

Tgt Ion:117 Resp: 15274
Ion Ratio Lower Upper
117 100
119 107.2 75.0 112.6
121 28.5 25.0 37.4

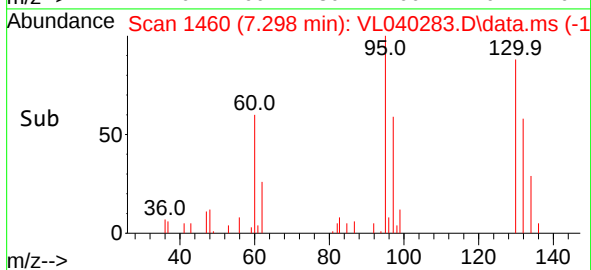
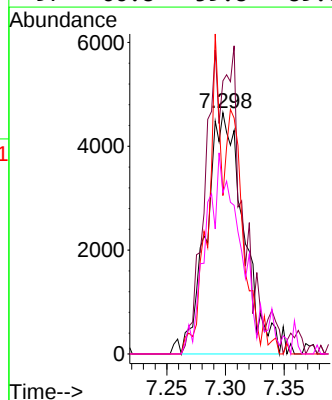
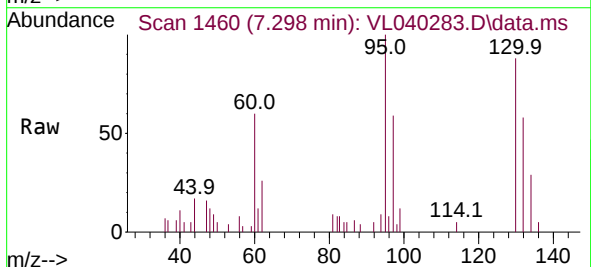
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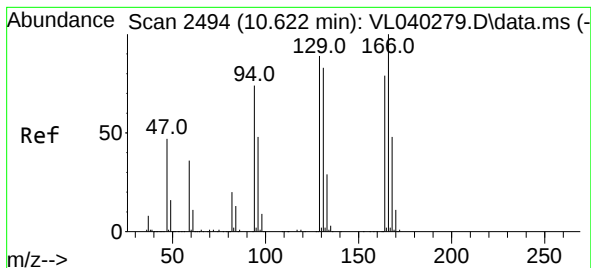
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#38
Trichloroethene
Concen: 0.085 ppbv m
RT: 7.298 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VL040283.D
Acq: 15 Mar 2023 14:07

Tgt Ion:130 Resp: 10190
Ion Ratio Lower Upper
130 100
95 113.2 94.7 142.1
132 65.7 76.4 114.6#
97 66.8 59.8 89.6





#52

Tetrachloroethene

Concen: 0.085 ppbv m

RT: 10.626 min Scan# 2494

Delta R.T. 0.003 min

Lab File: VL040283.D

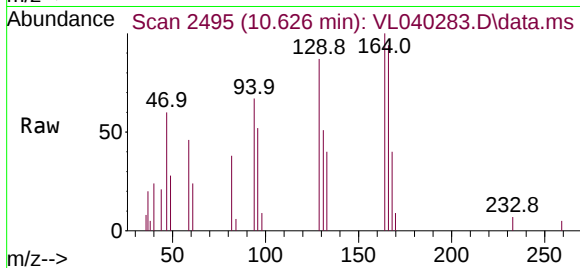
Acq: 15 Mar 2023 14:07

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.1

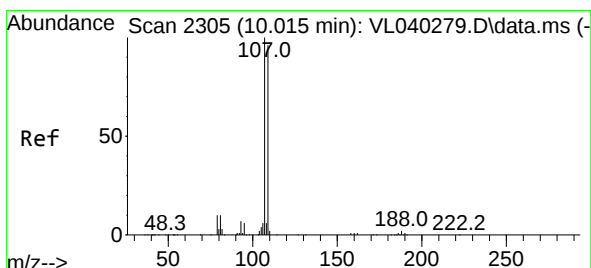
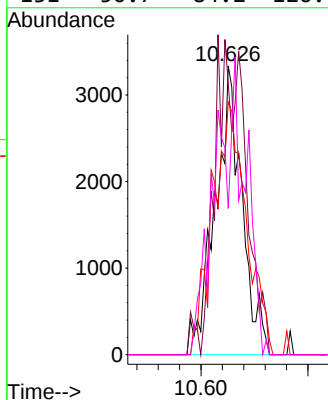
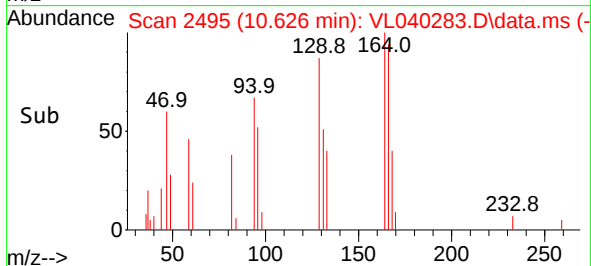


Tgt Ion:	164	Resp:	580
Ion Ratio	Lower	Upper	
164	100		
166	93.8	101.5	152.3
129	87.4	89.0	133.4
131	50.7	84.2	126.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#54

1,2-Dibromoethane

Concen: 0.079 ppbv m

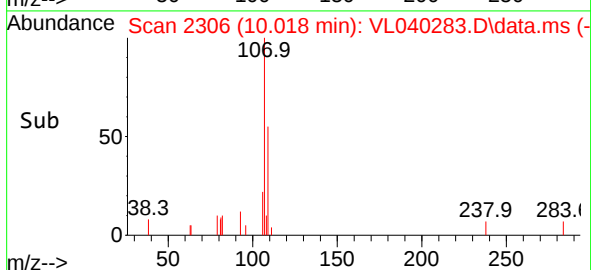
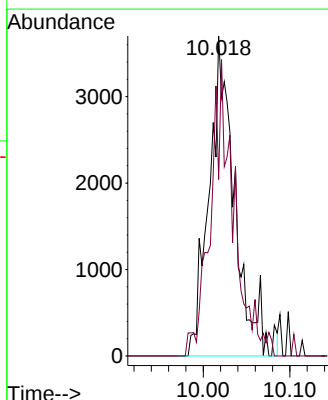
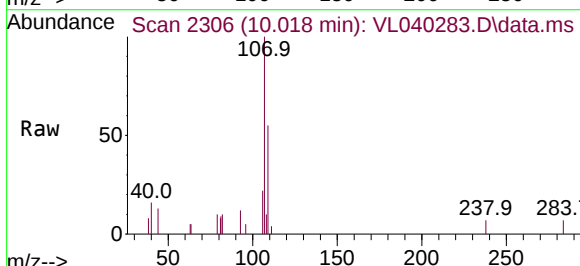
RT: 10.018 min Scan# 2306

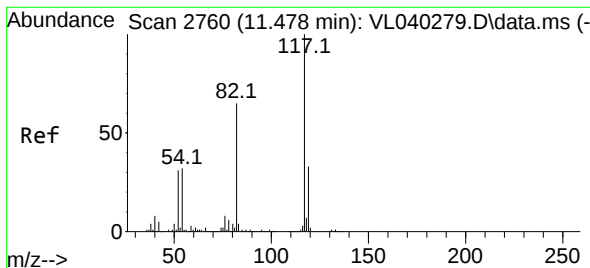
Delta R.T. 0.003 min

Lab File: VL040283.D

Acq: 15 Mar 2023 14:07

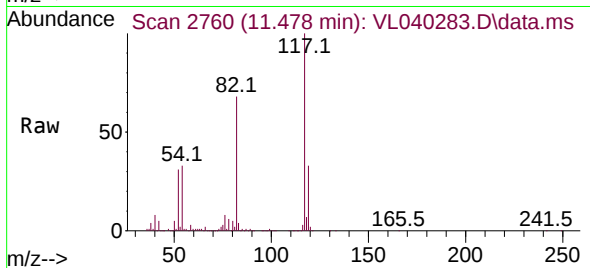
Tgt Ion:	107	Resp:	7589
Ion Ratio	Lower	Upper	
107	100		
109	55.1	73.8	110.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040283.D
Acq: 15 Mar 2023 14:07

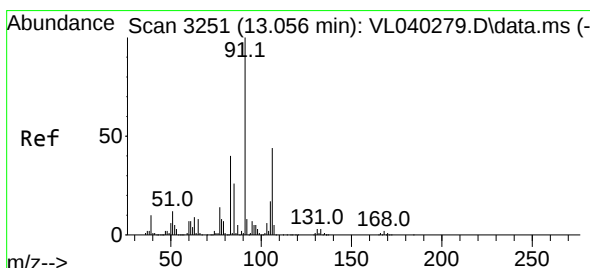
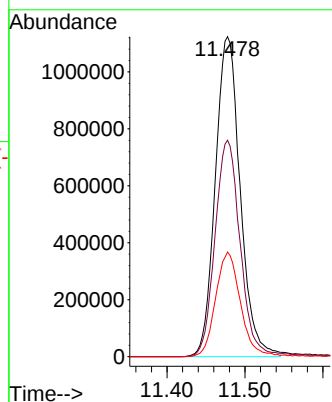
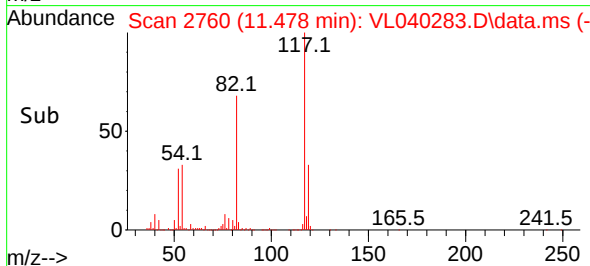
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



Tgt Ion: 117 Resp: 2496934
Ion Ratio Lower Upper
117 100
82 69.5 53.3 79.9
119 32.8 24.6 37.0

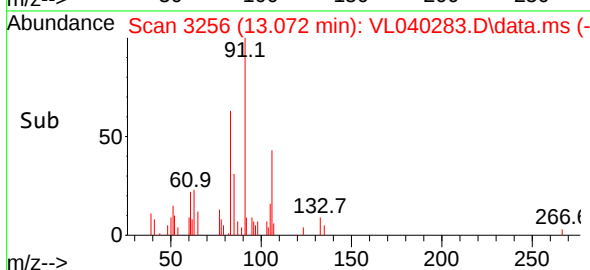
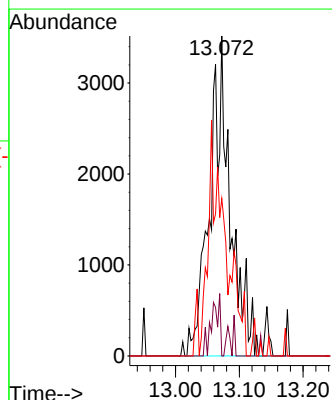
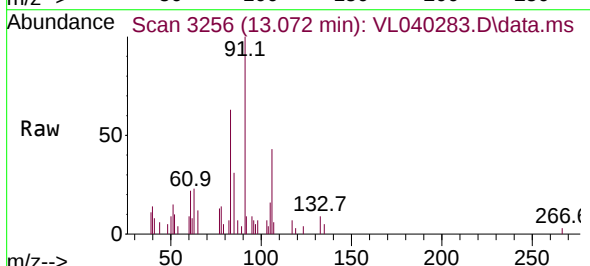
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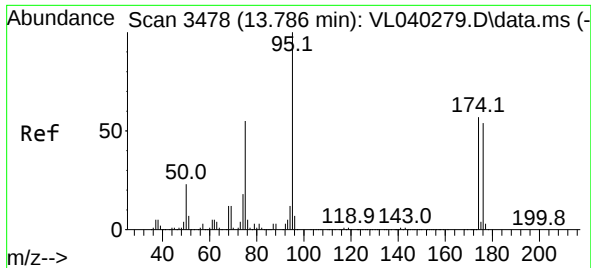
Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#63
1,1,2,2-Tetrachloroethane
Concen: 0.086 ppbv m
RT: 13.072 min Scan# 3256
Delta R.T. 0.016 min
Lab File: VL040283.D
Acq: 15 Mar 2023 14:07

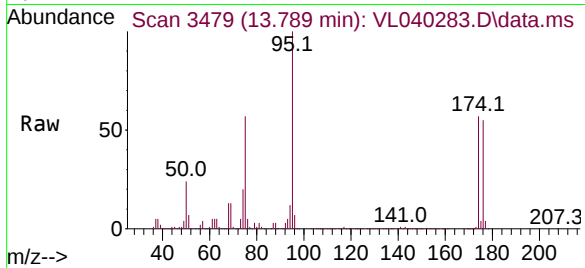
Tgt Ion: 83 Resp: 8056
Ion Ratio Lower Upper
83 100
131 0.0 4.4 13.2#
85 0.0 33.0 99.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.287 ppbv
RT: 13.789 min Scan# 3478
Delta R.T. 0.006 min
Lab File: VL040283.D
Acq: 15 Mar 2023 14:07

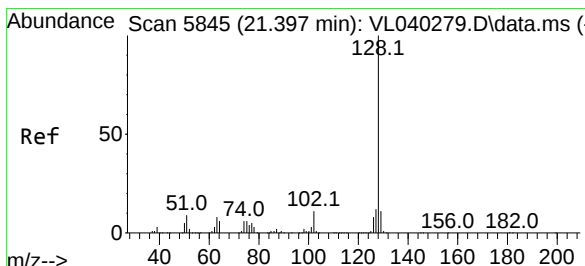
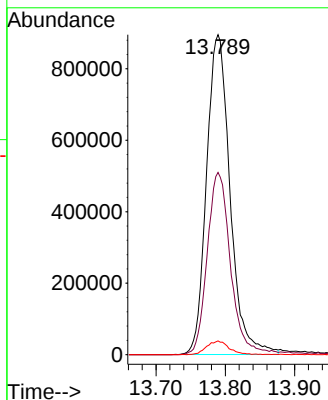
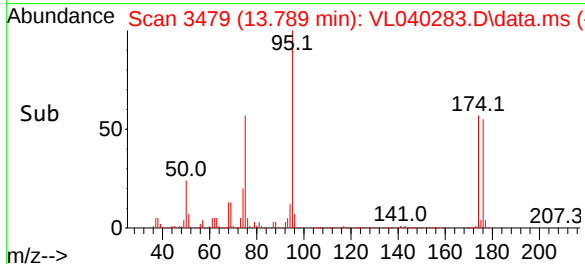
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



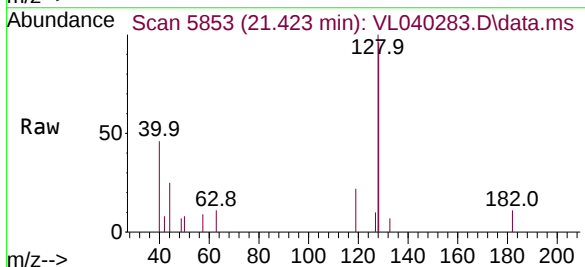
Tgt Ion: 95 Resp: 211214
Ion Ratio Lower Upper
95 100
174 57.1 48.2 72.2
175 4.2 3.4 5.2

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 03/16/2023
Supervised By :Mahesh Dadoda 03/16/2023



#79
Naphthalene
Concen: 0.043 ppbv m
RT: 21.423 min Scan# 5853
Delta R.T. 0.026 min
Lab File: VL040283.D
Acq: 15 Mar 2023 14:07



Tgt Ion:128 Resp: 7055
Ion Ratio Lower Upper
128 100
127 10.3 10.2 15.4
129 0.0 9.4 14.0#

