

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
 Data File : VL040994.D
 Acq On : 23 Jan 2024 12:16
 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 01/24/2024
 Supervised By :Mahesh Dadoda 01/24/2024

Quant Time: Jan 23 12:51:14 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 23 11:01:31 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.156	49	1013983	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.616	114	2684115	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.426	117	2306028	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.738	95	1759375	10.358	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.600%
Target Compounds						
5) Vinyl Chloride	2.893	62	5705	0.105	ppbv	97
32) 1,1,1-Trichloroethane	5.967	97	15376m	0.101	ppbv	
35) Carbon Tetrachloride	6.459	117	15761m	0.094	ppbv	
38) Trichloroethene	7.243	130	7303m	0.093	ppbv	
52) Tetrachloroethene	10.577	164	6715m	0.095	ppbv	
54) 1,2-Dibromoethane	9.973	107	10584m	0.088	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.011	83	18950m	0.111	ppbv	
79) Naphthalene	21.368	128	8203m	0.068	ppbv	

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

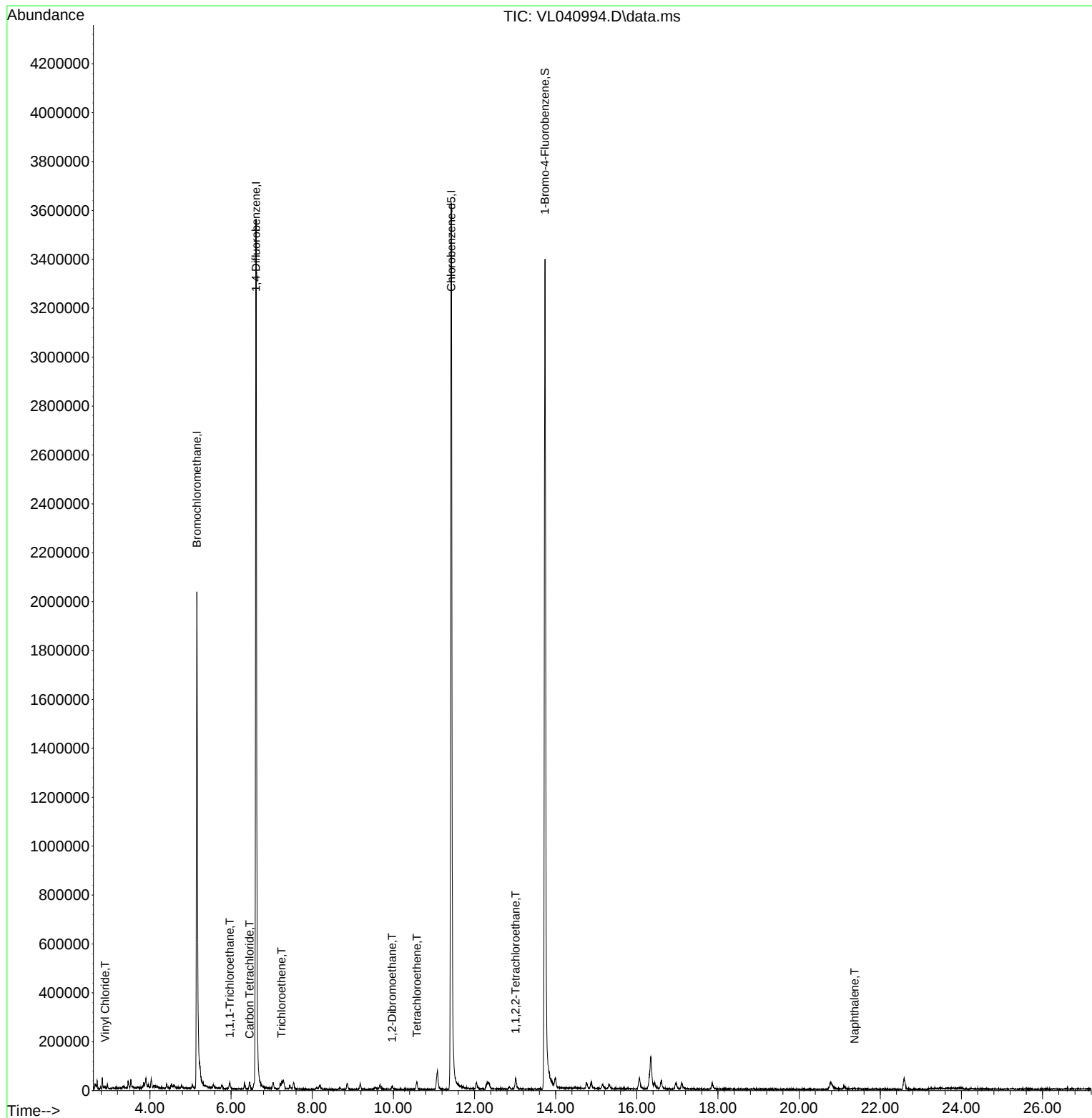
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012324\
Data File : VL040994.D
Acq On : 23 Jan 2024 12:16
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

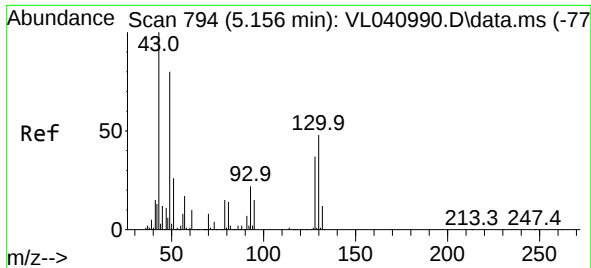
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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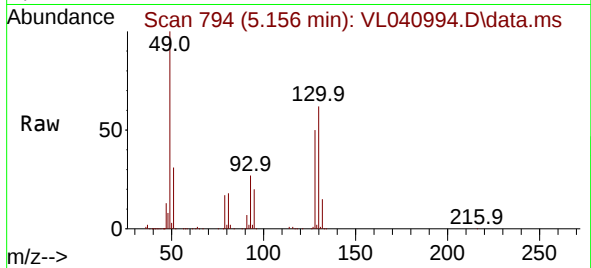
Quant Time: Jan 23 12:51:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 23 11:01:31 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.156 min Scan# 794
Delta R.T. 0.000 min
Lab File: VL040994.D
Acq: 23 Jan 2024 12:16

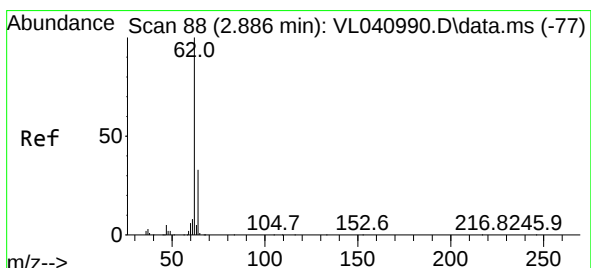
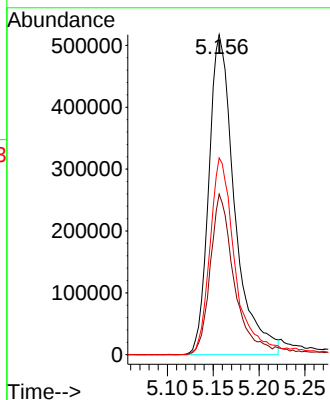
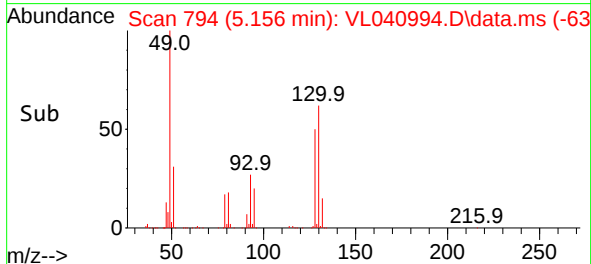
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



Tgt Ion: 49 Resp: 101398
Ion Ratio Lower Upper
49 100
128 49.8 23.9 71.7
130 63.0 31.1 93.5

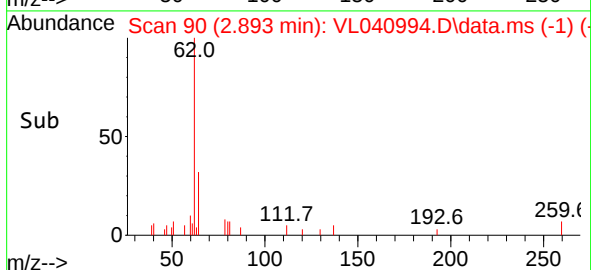
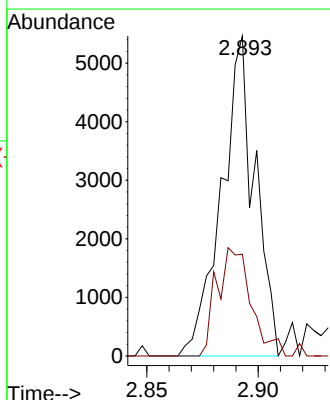
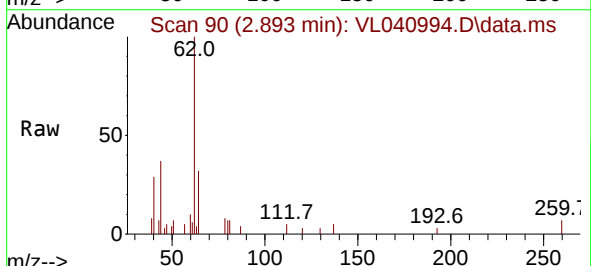
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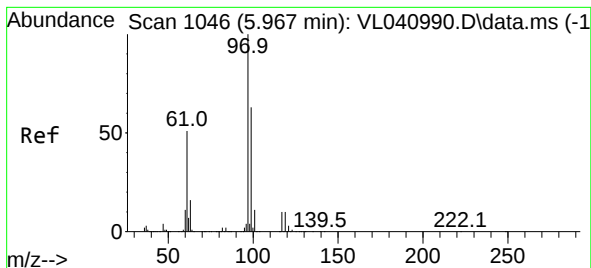
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#5
Vinyl Chloride
Concen: 0.105 ppbv
RT: 2.893 min Scan# 90
Delta R.T. 0.006 min
Lab File: VL040994.D
Acq: 23 Jan 2024 12:16

Tgt Ion: 62 Resp: 5705
Ion Ratio Lower Upper
62 100
64 31.8 26.6 40.0





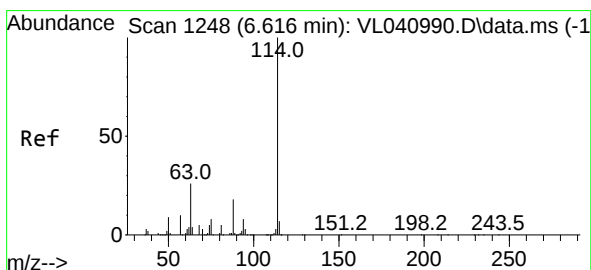
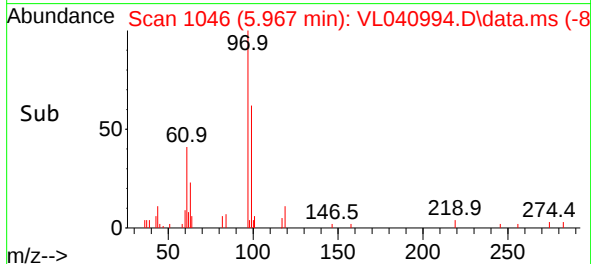
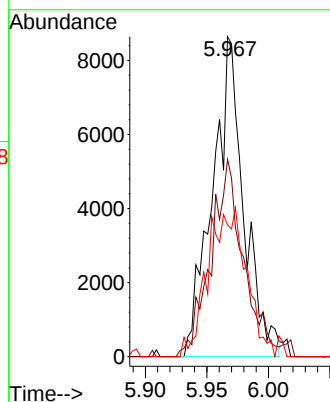
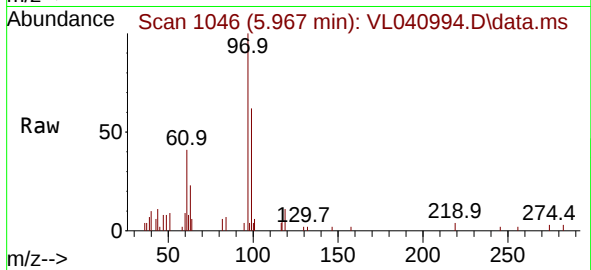
#32
1,1,1-Trichloroethane
Concen: 0.101 ppbv m
RT: 5.967 min Scan# 1046
Delta R.T. 0.000 min
Lab File: VL040994.D
Acq: 23 Jan 2024 12:16

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

Tgt Ion: 97 Resp: 15370
Ion Ratio Lower Upper
97 100
99 65.0 51.5 77.3
61 58.1 40.3 60.5

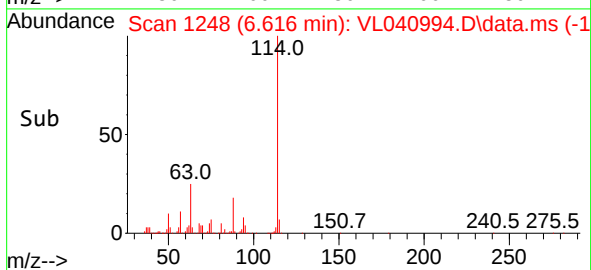
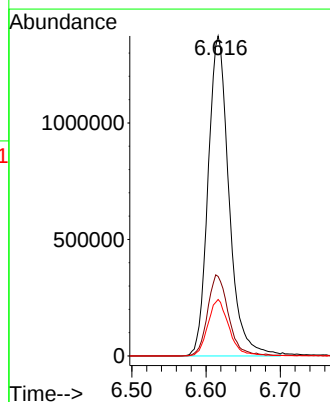
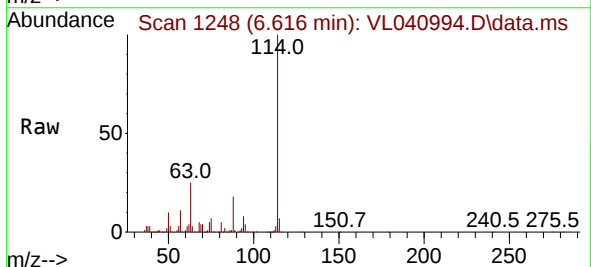
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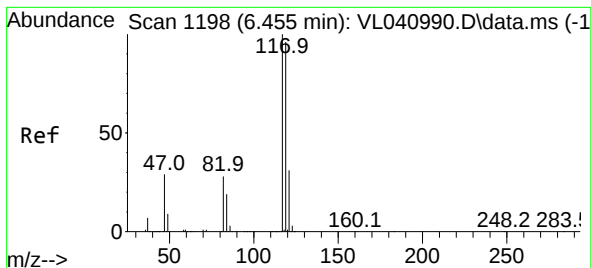
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.616 min Scan# 1248
Delta R.T. 0.000 min
Lab File: VL040994.D
Acq: 23 Jan 2024 12:16

Tgt Ion:114 Resp: 2684115
Ion Ratio Lower Upper
114 100
63 25.7 20.8 31.2
88 18.0 14.3 21.5





#35

Carbon Tetrachloride

Concen: 0.094 ppbv m

RT: 6.459 min Scan# 1198

Delta R.T. 0.003 min

Lab File: VL040994.D

Acq: 23 Jan 2024 12:16

Instrument :

MSVOA_L

ClientSampleId :

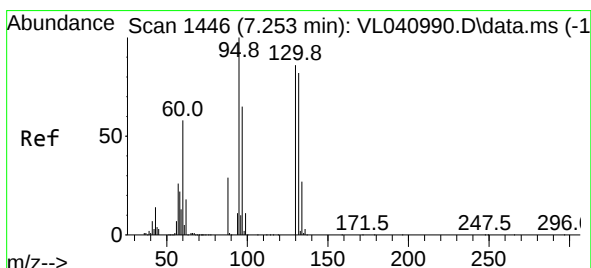
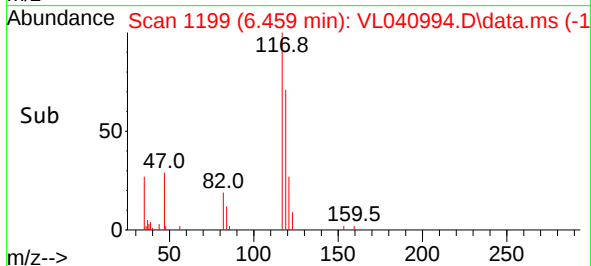
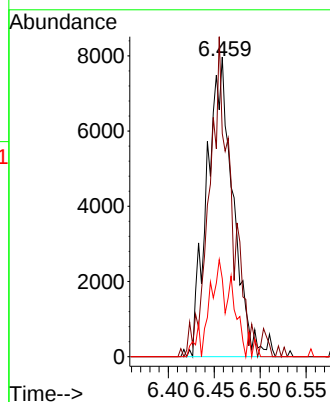
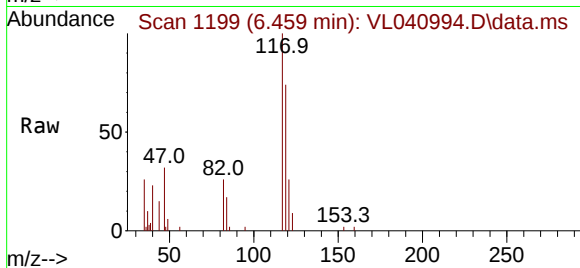
VSTDIC0.1

Tgt Ion:	117	Resp:	1576
Ion	Ratio	Lower	Upper
117	100		
119	74.4	76.9	115.3
121	26.0	24.7	37.1

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Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024



#38

Trichloroethene

Concen: 0.093 ppbv m

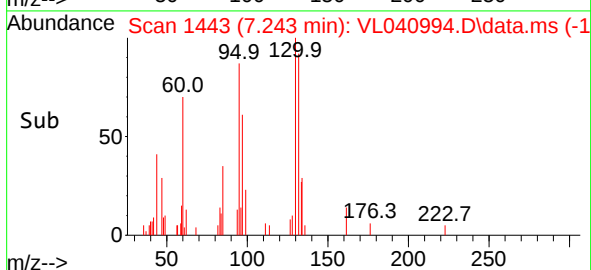
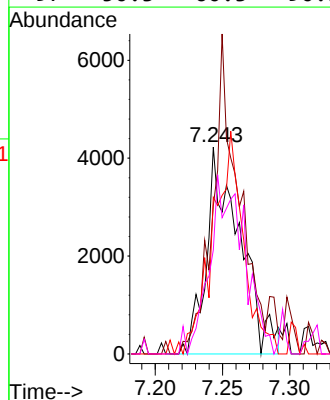
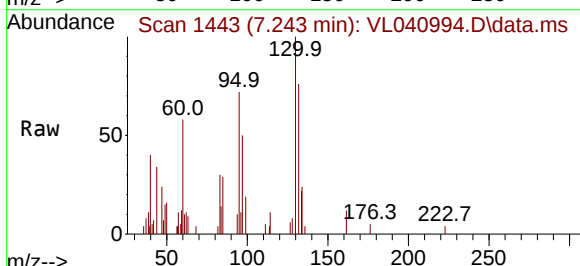
RT: 7.243 min Scan# 1443

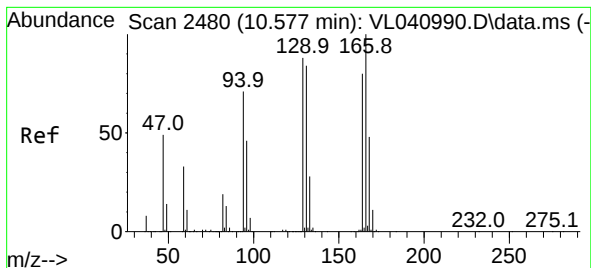
Delta R.T. -0.010 min

Lab File: VL040994.D

Acq: 23 Jan 2024 12:16

Tgt Ion:	130	Resp:	7303
Ion	Ratio	Lower	Upper
130	100		
95	71.8	92.9	139.3
132	75.7	76.2	114.2
97	50.3	60.3	90.5





#52

Tetrachloroethene

Concen: 0.095 ppbv m

RT: 10.577 min Scan# 2480

Delta R.T. 0.000 min

Lab File: VL040994.D

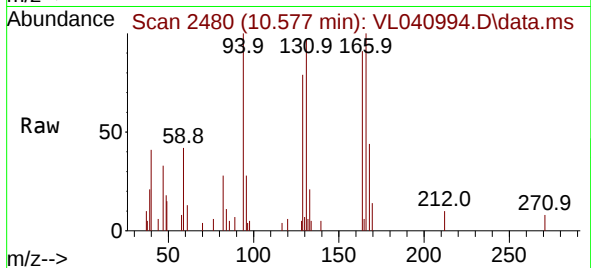
Acq: 23 Jan 2024 12:16

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1



Tgt Ion:164 Resp: 671

Ion Ratio Lower Upper

164 100

166 109.8 100.2 150.2

129 86.5 87.9 131.9

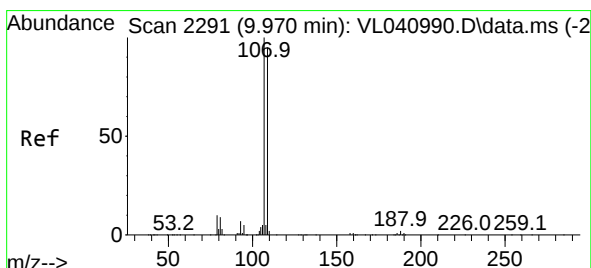
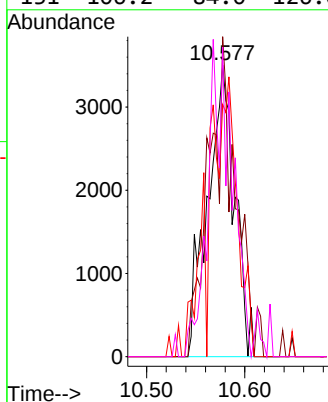
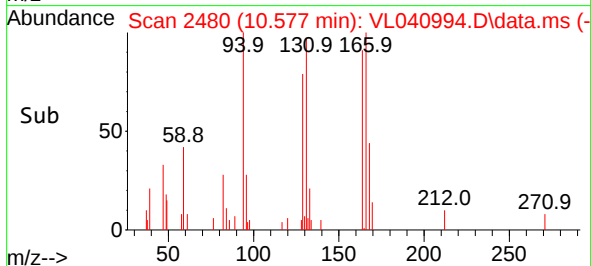
131 106.2 84.0 126.0

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Supervised By :Mahesh Dadoda 01/24/2024



#54

1,2-Dibromoethane

Concen: 0.088 ppbv m

RT: 9.973 min Scan# 2292

Delta R.T. 0.003 min

Lab File: VL040994.D

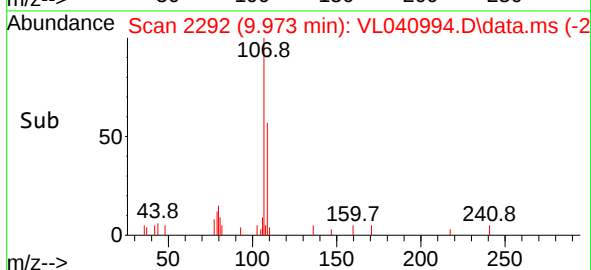
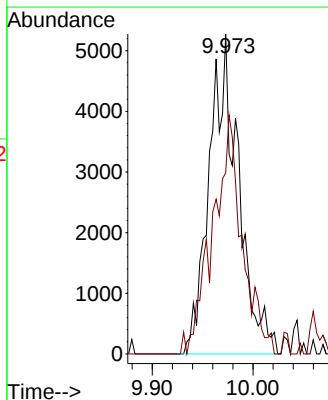
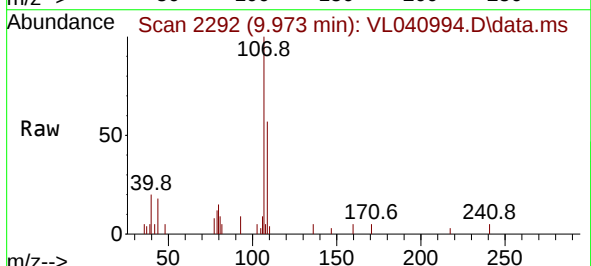
Acq: 23 Jan 2024 12:16

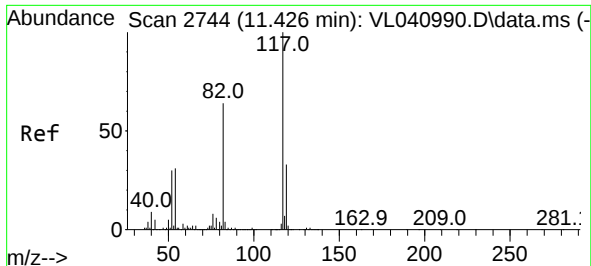
Tgt Ion:107 Resp: 10584

Ion Ratio Lower Upper

107 100

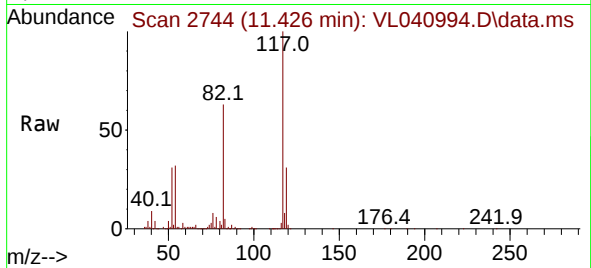
109 56.6 76.1 114.1





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.426 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040994.D
Acq: 23 Jan 2024 12:16

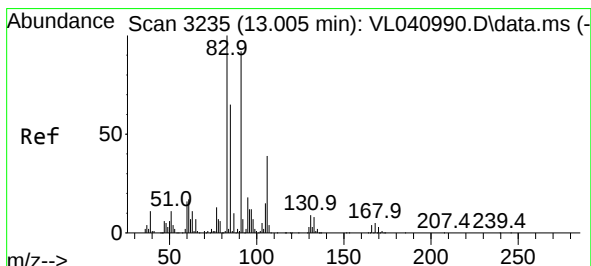
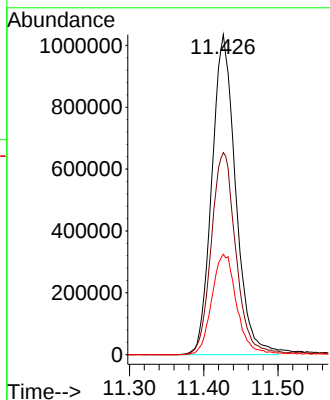
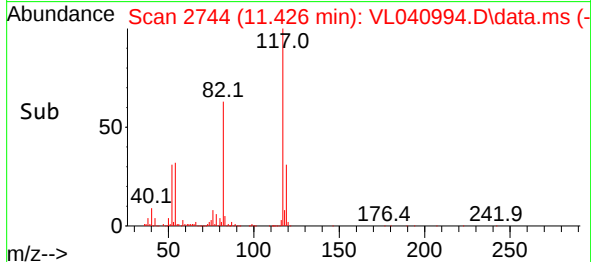
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



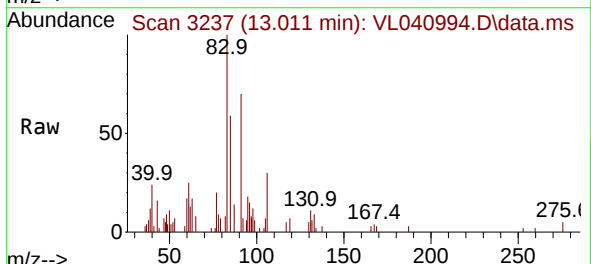
Tgt Ion: 117 Resp: 2306028
Ion Ratio Lower Upper
117 100
82 66.7 51.7 77.5
119 33.2 23.8 35.6

Manual Integrations
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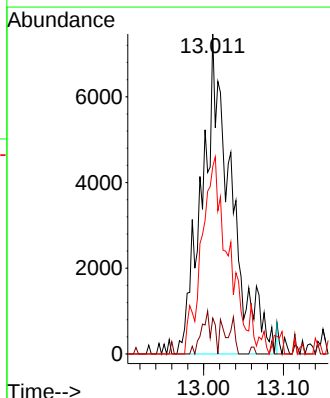
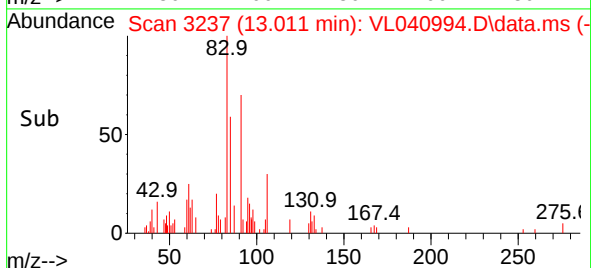
Reviewed By :Semsettin Yesilyurt 01/24/2024
Supervised By :Mahesh Dadoda 01/24/2024

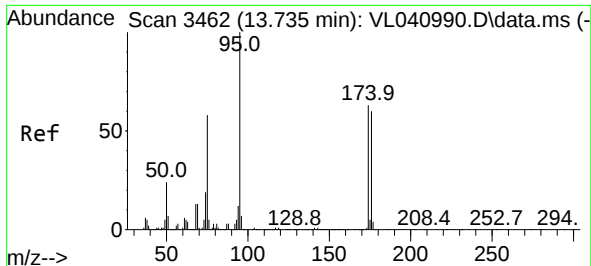


#63
1,1,2,2-Tetrachloroethane
Concen: 0.111 ppbv m
RT: 13.011 min Scan# 3237
Delta R.T. 0.006 min
Lab File: VL040994.D
Acq: 23 Jan 2024 12:16



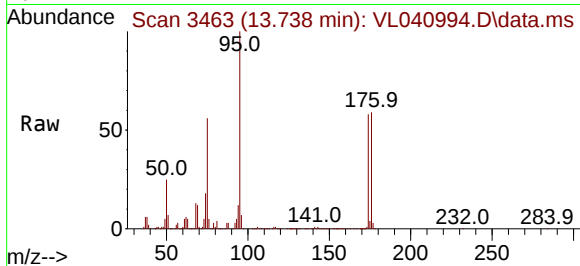
Tgt Ion: 83 Resp: 18950
Ion Ratio Lower Upper
83 100
131 9.2 4.6 13.8
85 0.0 33.0 99.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.358 ppbv
RT: 13.738 min Scan# 3462
Delta R.T. 0.003 min
Lab File: VL040994.D
Acq: 23 Jan 2024 12:16

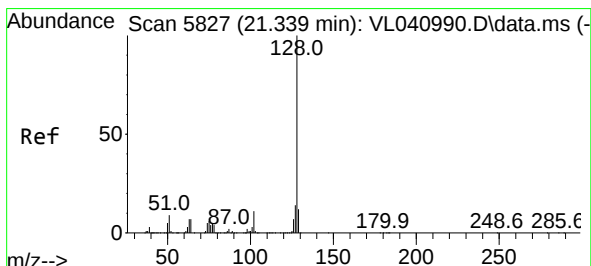
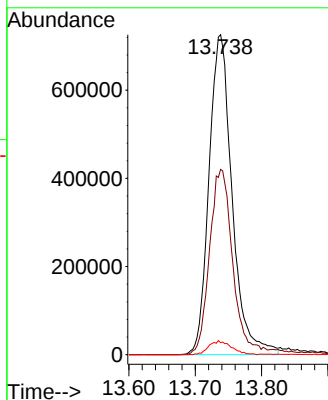
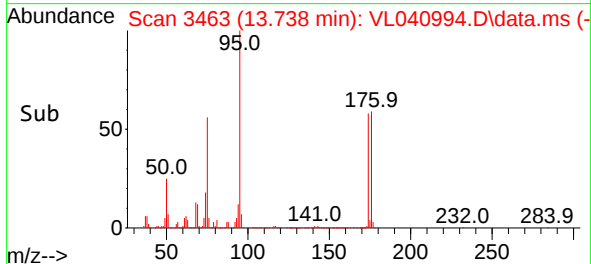
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1



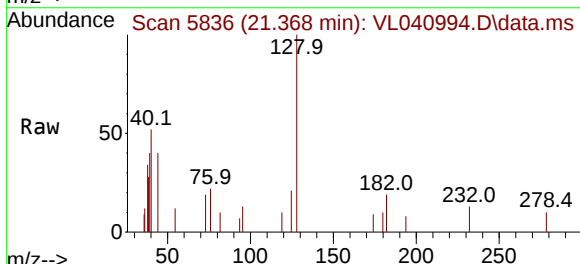
Tgt Ion: 95 Resp: 175937
Ion Ratio Lower Upper
95 100
174 60.3 49.1 73.7
175 4.3 3.7 5.5

Manual Integrations
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Supervised By :Mahesh Dadoda 01/24/2024



#79
Naphthalene
Concen: 0.068 ppbv m
RT: 21.368 min Scan# 5836
Delta R.T. 0.029 min
Lab File: VL040994.D
Acq: 23 Jan 2024 12:16



Tgt Ion:128 Resp: 8203
Ion Ratio Lower Upper
128 100
127 0.0 10.9 16.3#
129 0.0 9.3 13.9#

