

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101123\
 Data File : VL040759.D
 Acq On : 11 Oct 2023 15:10
 Operator : SY/MD
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 10/12/2023
 Supervised By : Mahesh Dadoda 10/16/2023

Quant Time: Oct 11 15:42:11 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Wed Oct 11 14:34:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.211	49	1088922	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	3007955	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2739380	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	2045737	9.666	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.700%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.951	62	2791m	0.035	ppbv	
32) 1,1,1-Trichloroethane	6.018	97	6449m	0.033	ppbv	
35) Carbon Tetrachloride	6.510	117	5662m	0.027	ppbv	
38) Trichloroethene	7.307	130	4721m	0.056	ppbv	
52) Tetrachloroethene	10.629	164	3376m	0.046	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.063	83	8328m	0.038	ppbv	

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

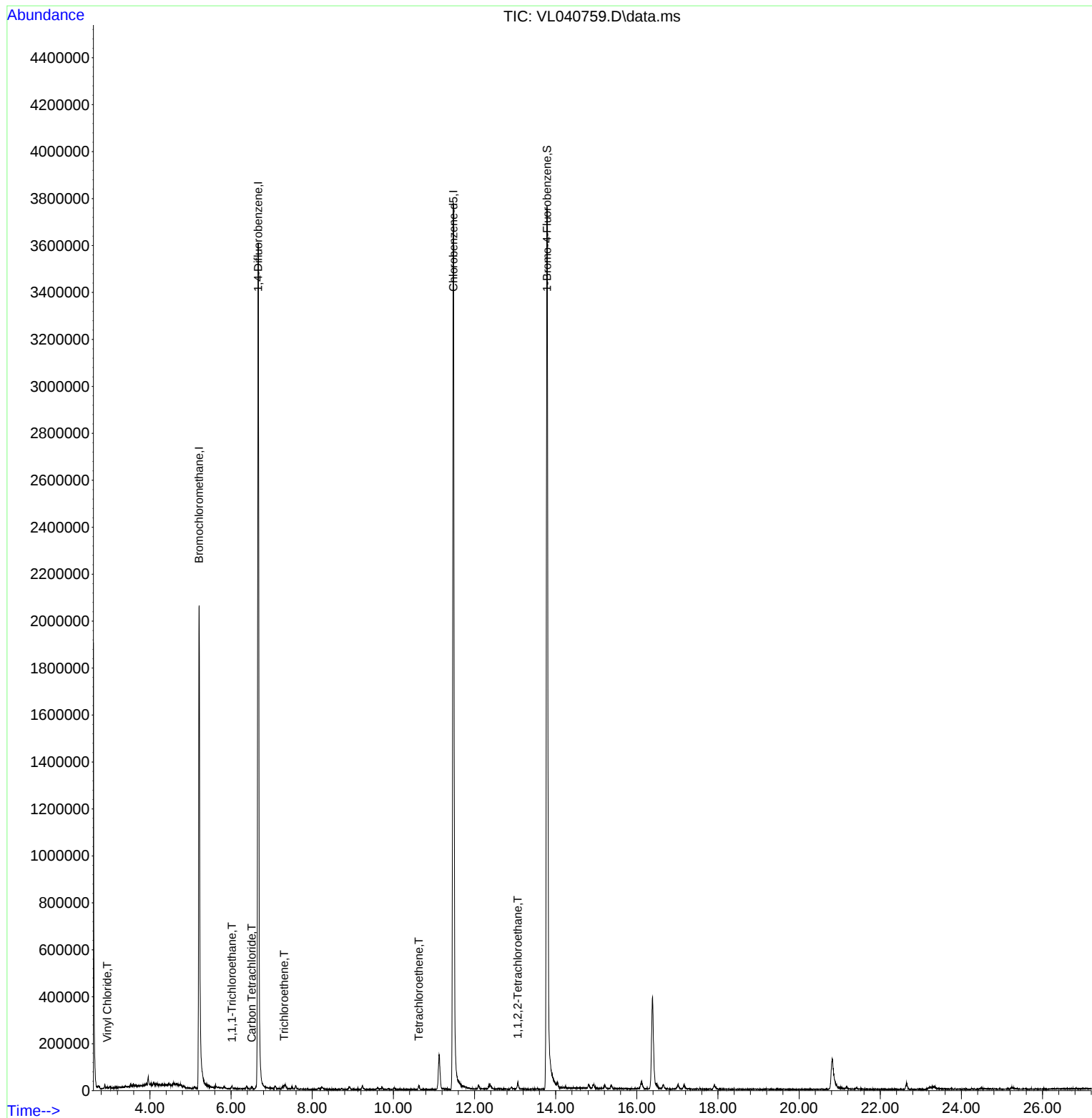
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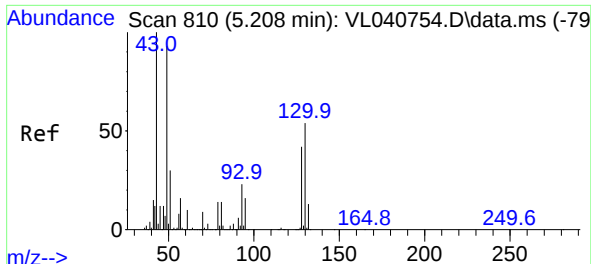
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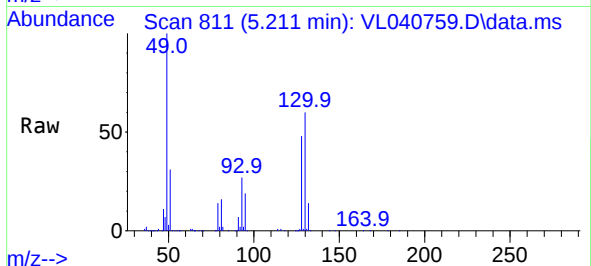
Reviewed By : Semsettin Yesilyurt 10/12/2023
Supervised By : Mahesh Dadoda 10/16/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040759.D
Acq: 11 Oct 2023 15:10

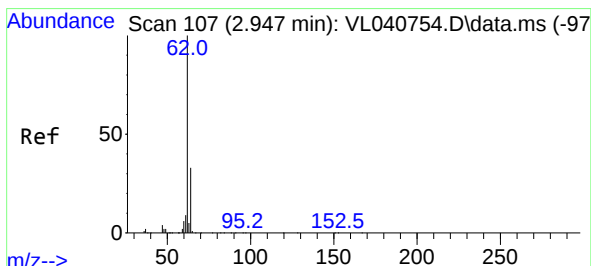
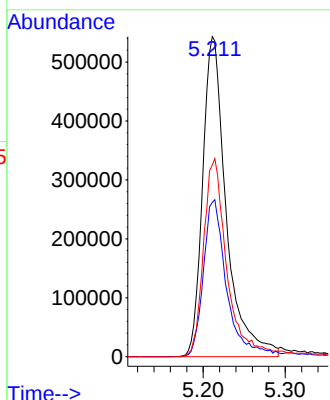
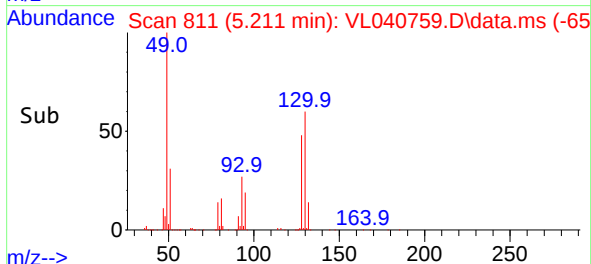
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



Tgt Ion: 49 Resp: 108892
Ion Ratio Lower Upper
49 100
128 50.1 23.9 71.7
130 62.2 30.7 92.1

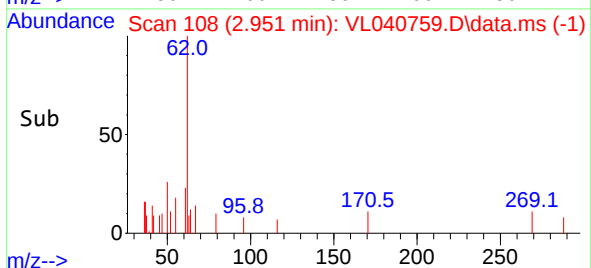
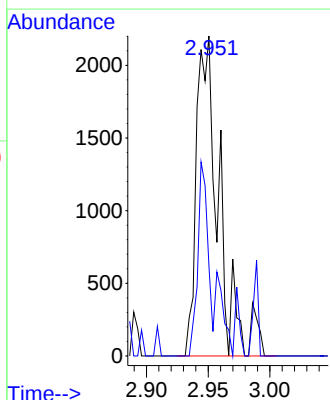
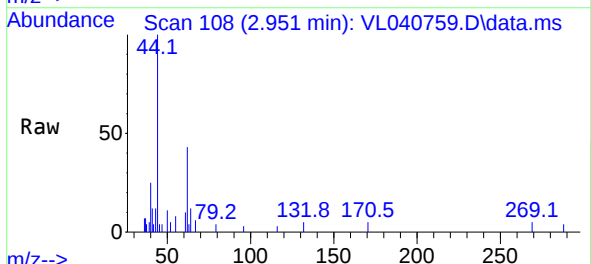
Manual Integrations
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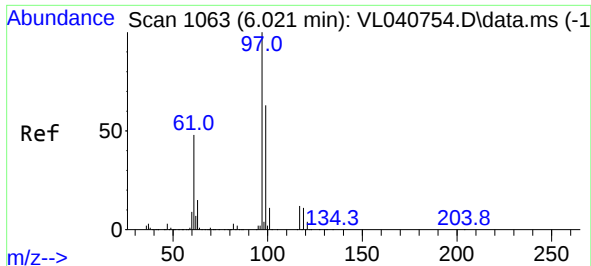
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023



#5
Vinyl Chloride
Concen: 0.035 ppbv m
RT: 2.951 min Scan# 108
Delta R.T. 0.003 min
Lab File: VL040759.D
Acq: 11 Oct 2023 15:10

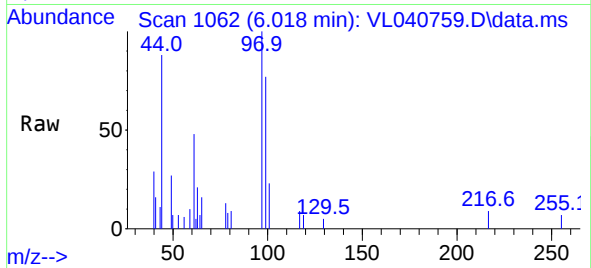
Tgt Ion: 62 Resp: 2791
Ion Ratio Lower Upper
62 100
64 28.2 26.6 39.8





#32
1,1,1-Trichloroethane
Concen: 0.033 ppbv m
RT: 6.018 min Scan# 1062
Delta R.T. -0.003 min
Lab File: VL040759.D
Acq: 11 Oct 2023 15:10

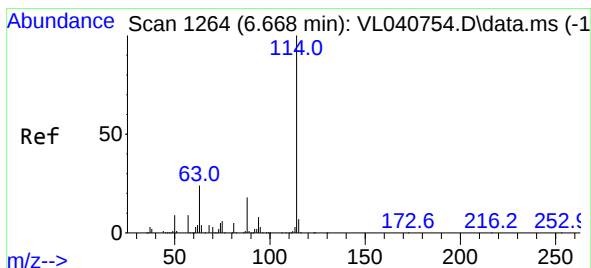
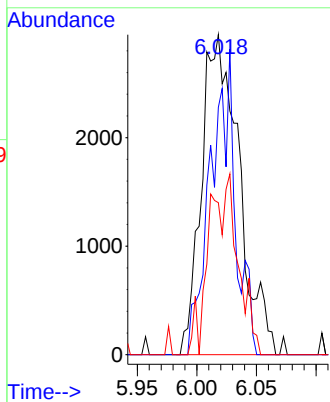
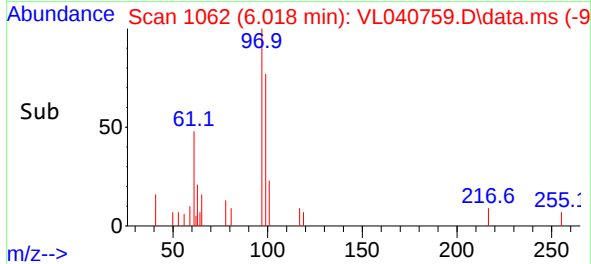
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



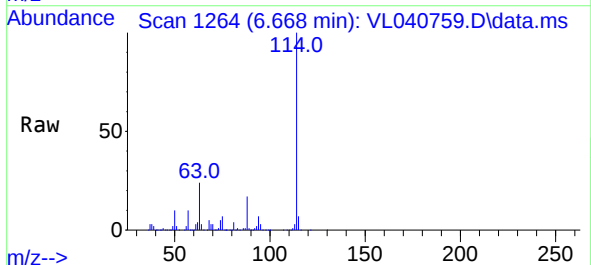
Tgt Ion: 97 Resp: 6449
Ion Ratio Lower Upper
97 100
99 63.1 51.8 77.6
61 44.9 38.6 58.0

Manual Integrations
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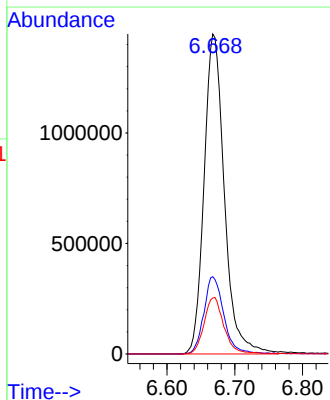
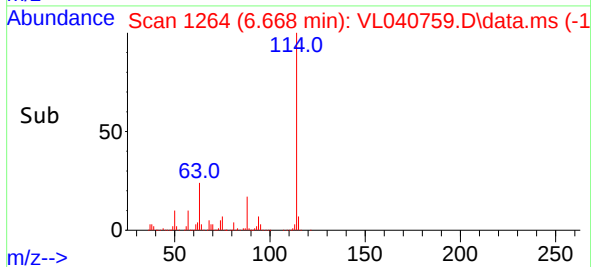
Reviewed By :Semsettin Yesilyurt 10/12/2023
Supervised By :Mahesh Dadoda 10/16/2023

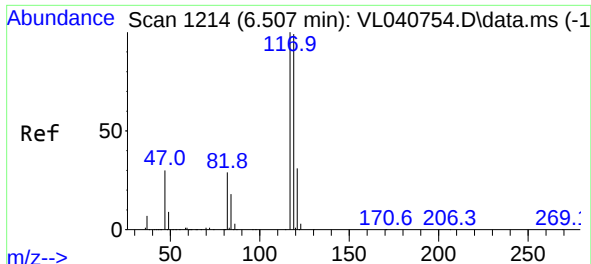


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.668 min Scan# 1264
Delta R.T. -0.000 min
Lab File: VL040759.D
Acq: 11 Oct 2023 15:10



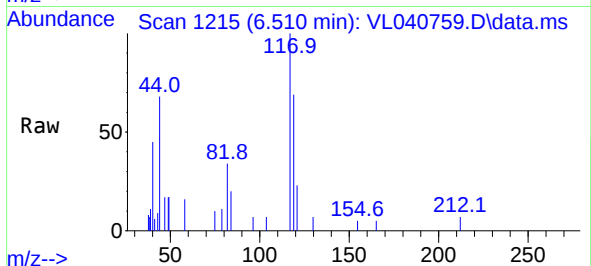
Tgt Ion:114 Resp: 3007955
Ion Ratio Lower Upper
114 100
63 24.0 19.8 29.6
88 17.4 14.2 21.2





#35
Carbon Tetrachloride
Concen: 0.027 ppbv m
RT: 6.510 min Scan# 117
Delta R.T. 0.003 min
Lab File: VL040759.D
Acq: 11 Oct 2023 15:10

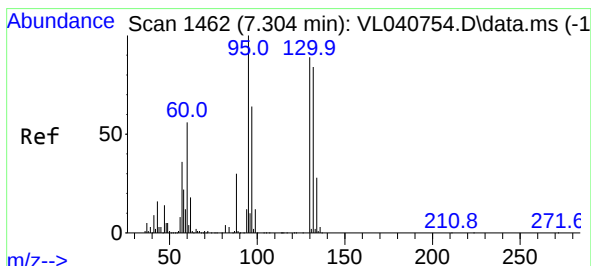
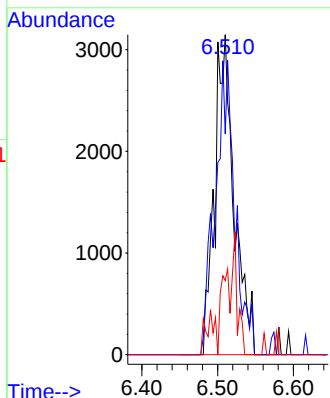
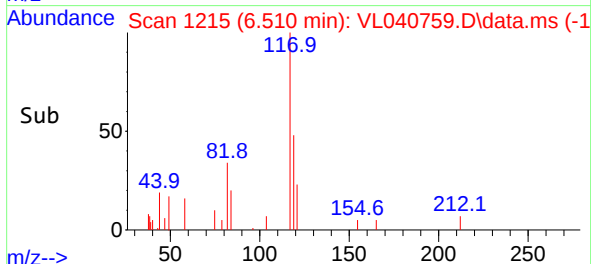
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03



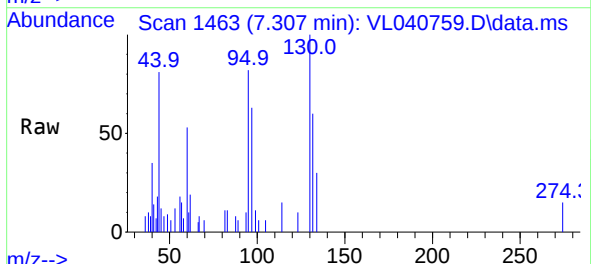
Tgt Ion:117 Resp: 566
Ion Ratio Lower Upper
117 100
119 69.0 79.4 119.0#
121 23.2 25.0 37.4#

Manual Integrations
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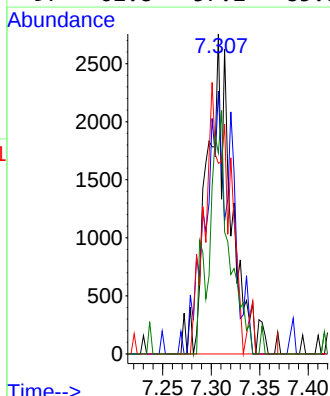
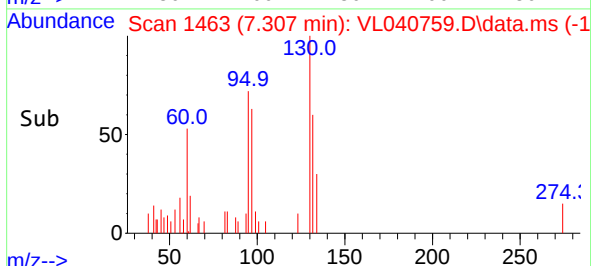
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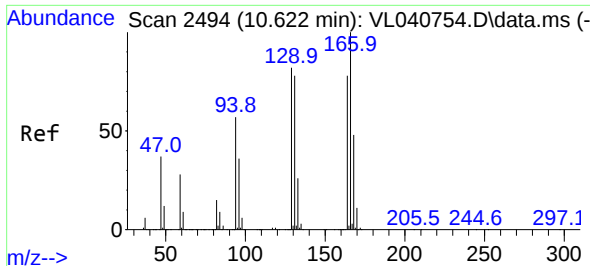


#38
Trichloroethene
Concen: 0.056 ppbv m
RT: 7.307 min Scan# 1463
Delta R.T. 0.003 min
Lab File: VL040759.D
Acq: 11 Oct 2023 15:10



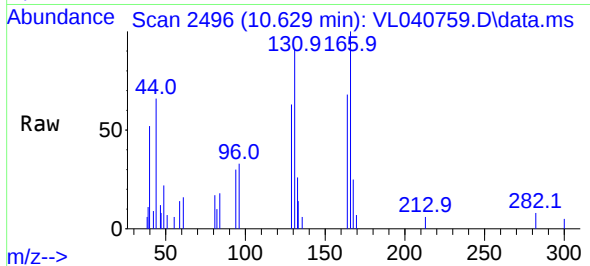
Tgt Ion:130 Resp: 4721
Ion Ratio Lower Upper
130 100
95 82.1 89.4 134.2#
132 59.6 74.8 112.2#
97 62.8 57.2 85.8





#52
Tetrachloroethene
Concen: 0.046 ppbv m
RT: 10.629 min Scan# 2494
Delta R.T. 0.006 min
Lab File: VL040759.D
Acq: 11 Oct 2023 15:10

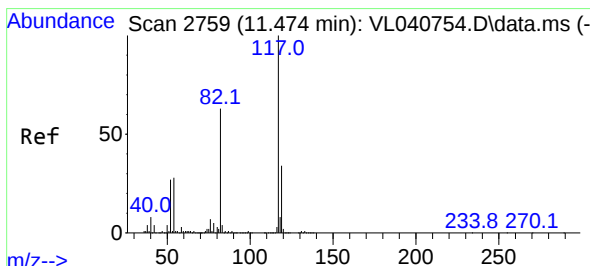
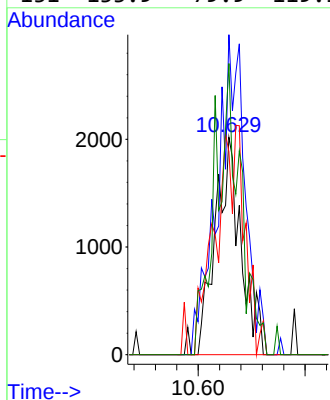
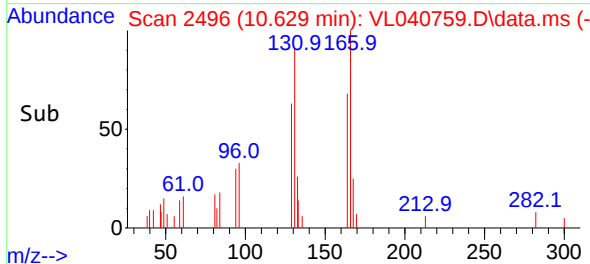
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03



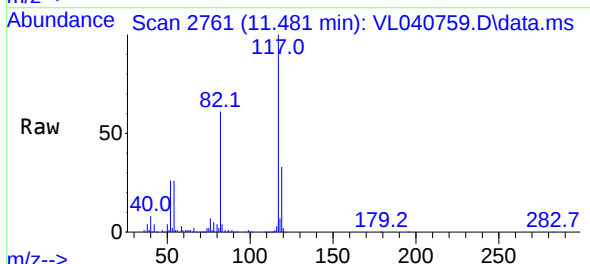
Tgt Ion:164 Resp: 3370
Ion Ratio Lower Upper
164 100
166 147.1 102.4 153.6
129 93.3 84.2 126.4
131 133.9 79.9 119.9#

Manual Integrations
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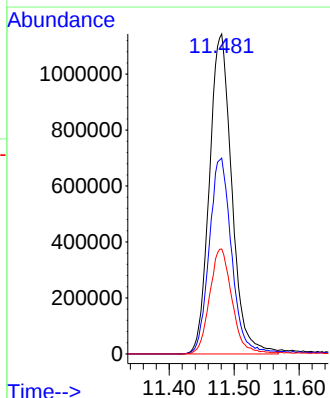
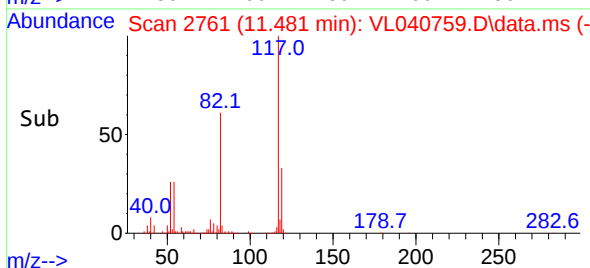
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Supervised By :Mahesh Dadoda 10/16/2023

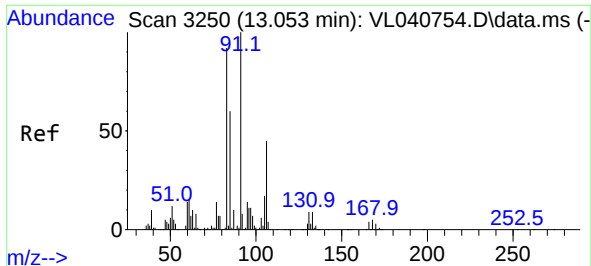


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.006 min
Lab File: VL040759.D
Acq: 11 Oct 2023 15:10



Tgt Ion:117 Resp: 2739380
Ion Ratio Lower Upper
117 100
82 61.5 46.6 70.0
119 33.6 26.0 39.0





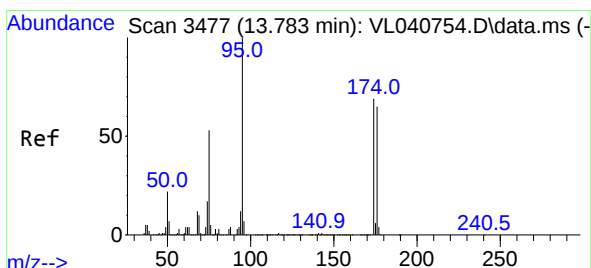
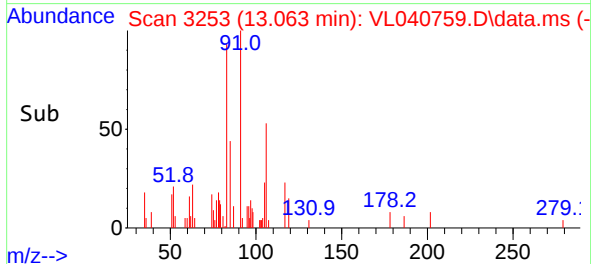
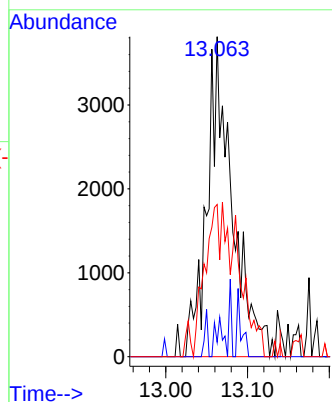
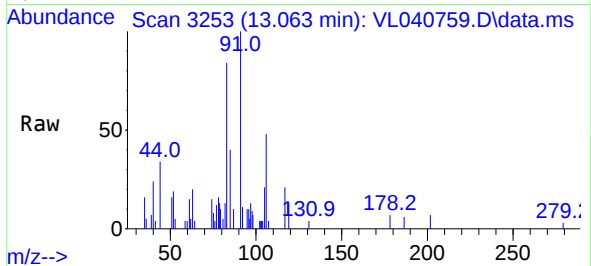
#63
1,1,2,2-Tetrachloroethane
Concen: 0.038 ppbv m
RT: 13.063 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL040759.D
Acq: 11 Oct 2023 15:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Tgt Ion: 83 Resp: 8328
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.6
85 63.0 32.9 98.7

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.666 ppbv
RT: 13.789 min Scan# 3479
Delta R.T. 0.006 min
Lab File: VL040759.D
Acq: 11 Oct 2023 15:10

Tgt Ion: 95 Resp: 2045737
Ion Ratio Lower Upper
95 100
174 70.4 54.7 82.1
175 5.2 4.2 6.4

