

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
 Data File : VL040358.D
 Acq On : 13 Apr 2023 12:40
 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 04/14/2023
 Supervised By : Mahesh Dadoda 04/14/2023

Quant Time: Apr 13 13:40:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Thu Apr 13 12:20:17 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.189	49	1025509	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.652	114	2538519	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.475	117	2221996	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1864212	10.019	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.200%	
Target Compounds						
					Qvalue	
5) Vinyl Chloride	2.909	62	6138m	0.095	ppbv	
32) 1,1,1-Trichloroethane	5.999	97	16283m	0.100	ppbv	
35) Carbon Tetrachloride	6.494	117	15648m	0.098	ppbv	
38) Trichloroethene	7.288	130	10469m	0.099	ppbv	
52) Tetrachloroethene	10.635	164	4648m	0.079	ppbv	
54) 1,2-Dibromoethane	10.024	107	6798m	0.082	ppbv	
63) 1,1,2,2-Tetrachloroethane	13.063	83	7543m	0.097	ppbv	
79) Naphthalene	21.419	128	8992m	0.061	ppbv	

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

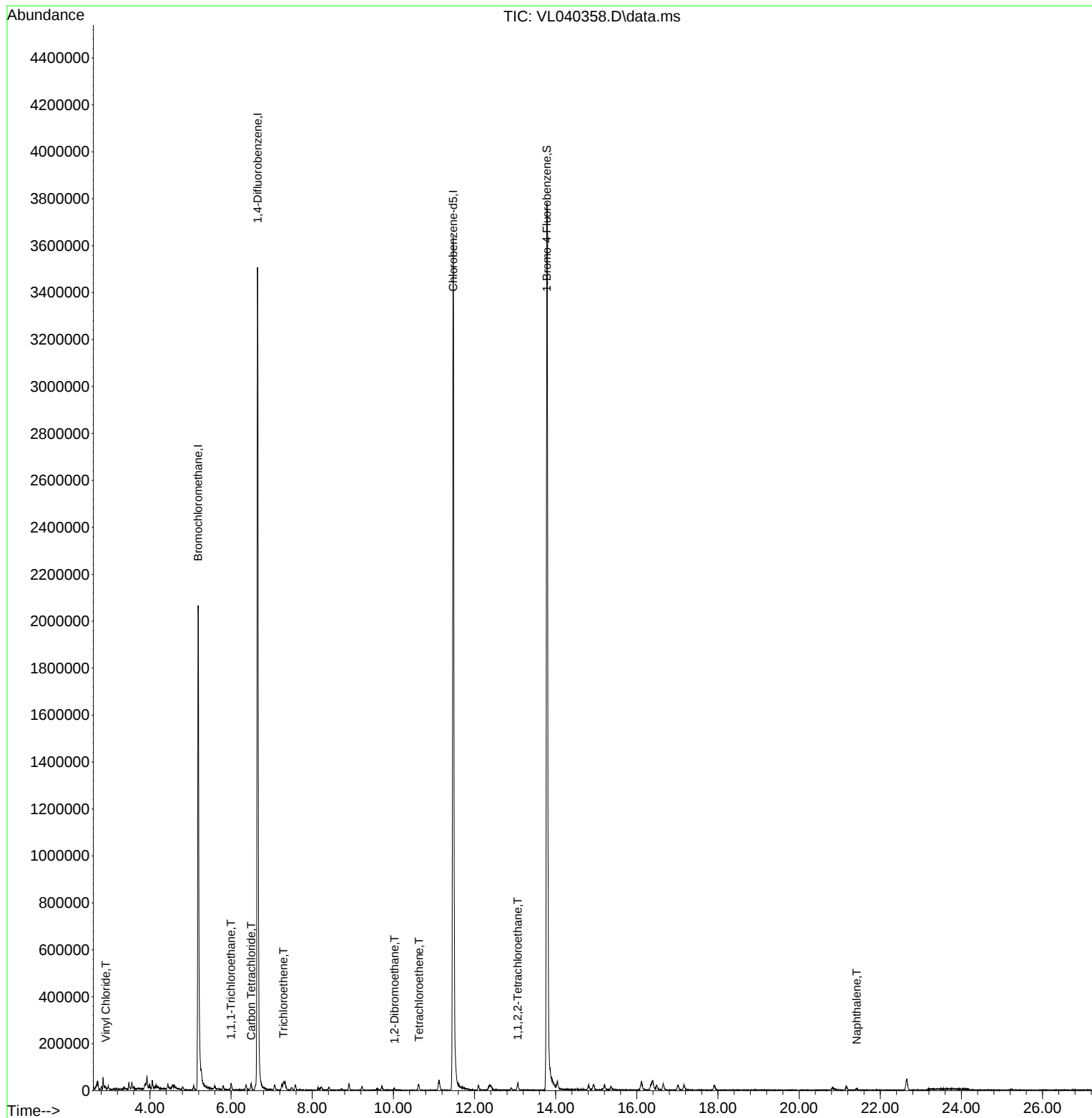
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL041323\
Data File : VL040358.D
Acq On : 13 Apr 2023 12:40
Operator : SY/MD
Sample : VSTDICC0.1
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

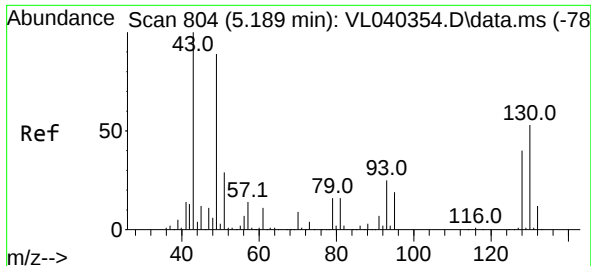
Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.1

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Quant Time: Apr 13 13:40:01 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Apr 13 12:20:17 2023
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.189 min Scan# 804

Delta R.T. -0.000 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion: 49 Resp: 1025509

Ion Ratio Lower Upper

49 100

128 47.2 22.4 67.3

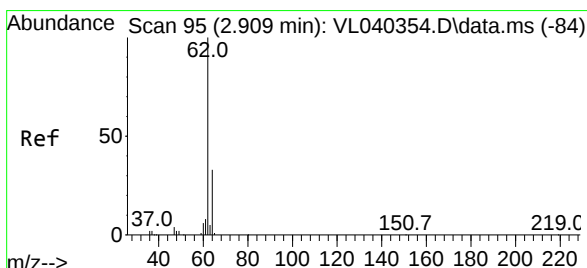
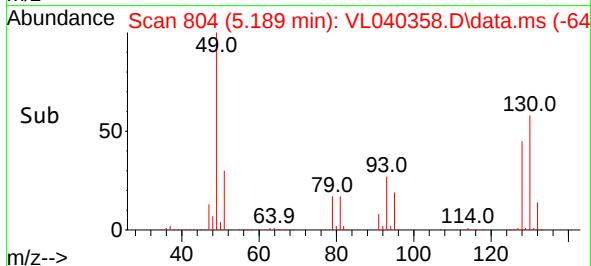
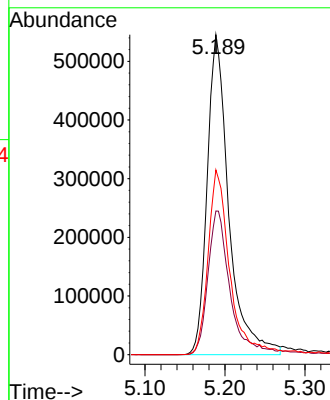
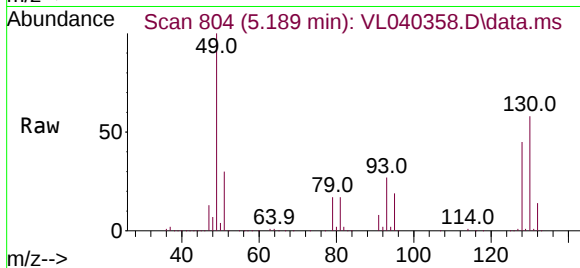
130 59.6 28.7 86.1

Manual Integrations

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Supervised By :Mahesh Dadoda 04/14/2023



#5

Vinyl Chloride

Concen: 0.095 ppbv m

RT: 2.909 min Scan# 95

Delta R.T. -0.003 min

Lab File: VL040358.D

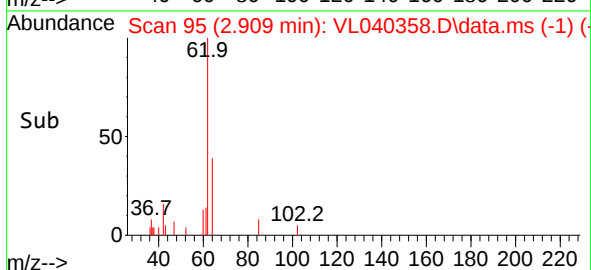
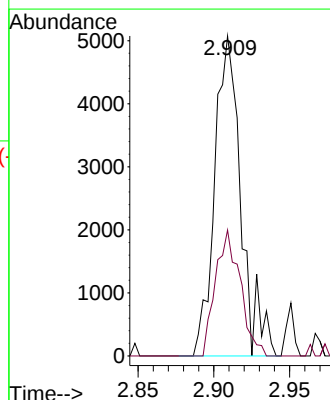
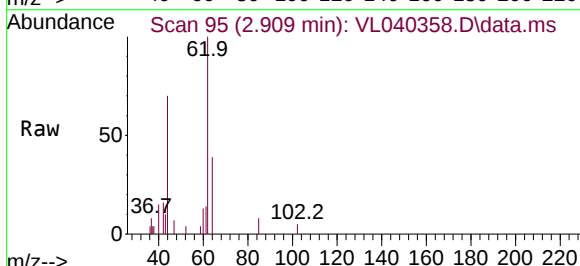
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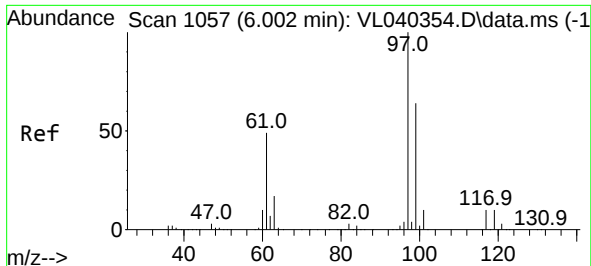
Tgt Ion: 62 Resp: 6138

Ion Ratio Lower Upper

62 100

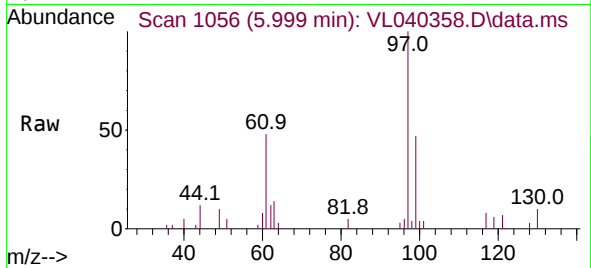
64 39.4 26.4 39.6





#32
 1,1,1-Trichloroethane
 Concen: 0.100 ppbv m
 RT: 5.999 min Scan# 1056
 Delta R.T. -0.006 min
 Lab File: VL040358.D
 Acq: 13 Apr 2023 12:40

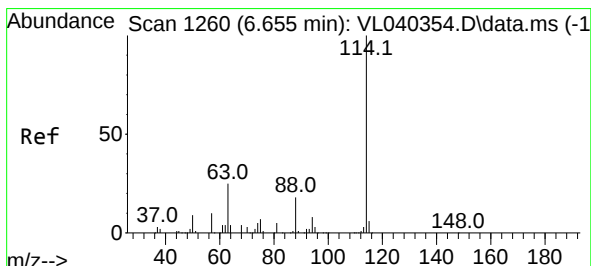
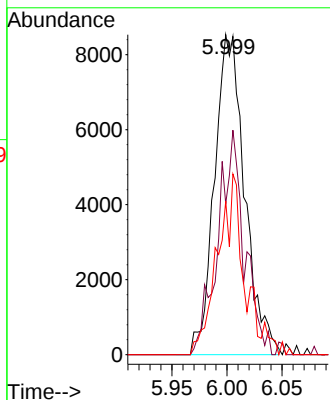
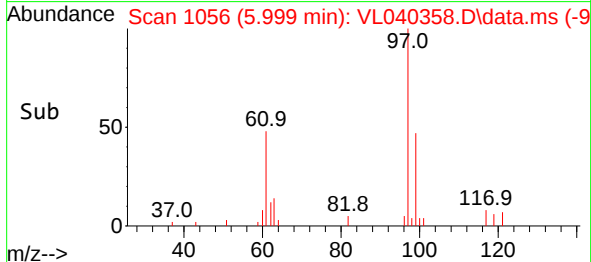
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.1



Tgt Ion: 97 Resp: 1628
 Ion Ratio Lower Upper
 97 100
 99 62.1 52.2 78.2
 61 50.5 41.4 62.2

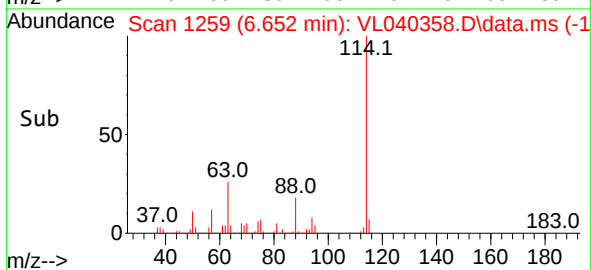
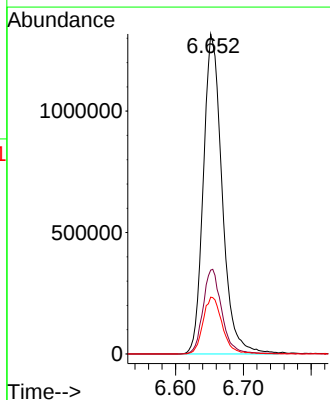
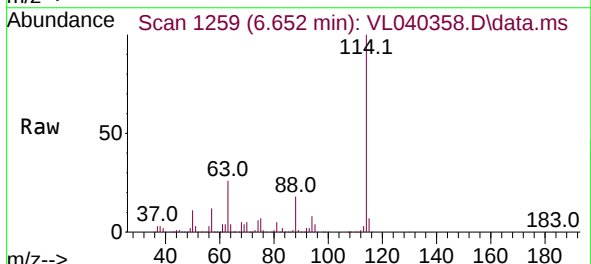
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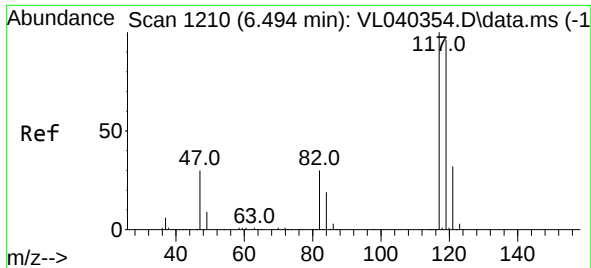
Reviewed By :Semsettin Yesilyurt 04/14/2023
 Supervised By :Mahesh Dadoda 04/14/2023



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.652 min Scan# 1259
 Delta R.T. -0.003 min
 Lab File: VL040358.D
 Acq: 13 Apr 2023 12:40

Tgt Ion:114 Resp: 2538519
 Ion Ratio Lower Upper
 114 100
 63 26.7 21.2 31.8
 88 18.3 14.5 21.7





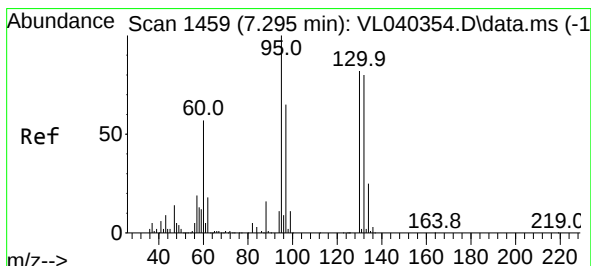
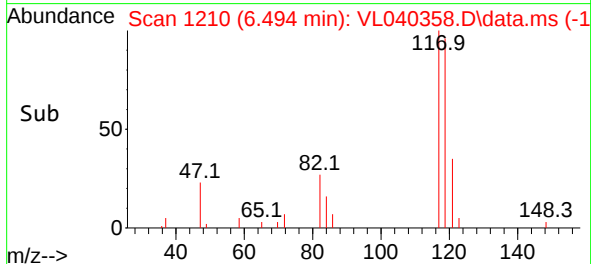
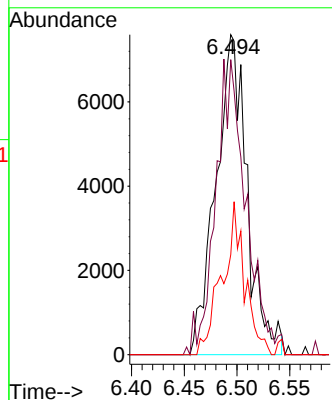
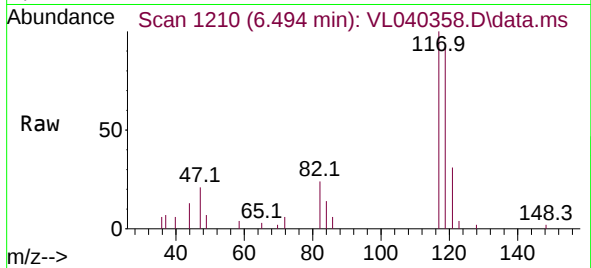
#35
Carbon Tetrachloride
Concen: 0.098 ppbv m
RT: 6.494 min Scan# 117
Delta R.T. 0.000 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Instrument :
MSVOA_1
ClientSampleId :
VSTDICC0.1

Tgt Ion:117 Resp: 1564
Ion Ratio Lower Upper
117 100
119 92.2 76.4 114.6
121 31.3 25.6 38.4

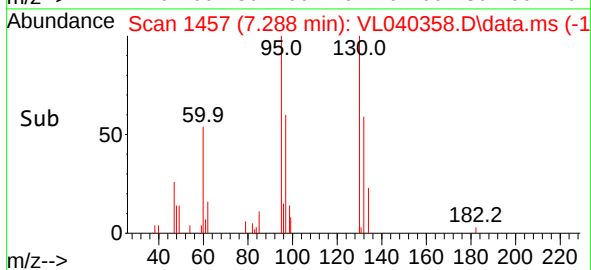
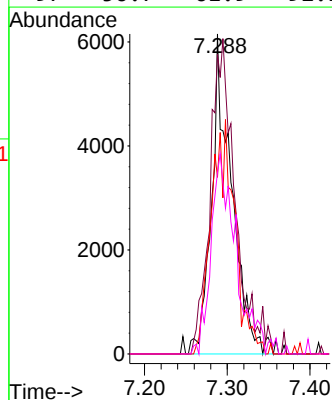
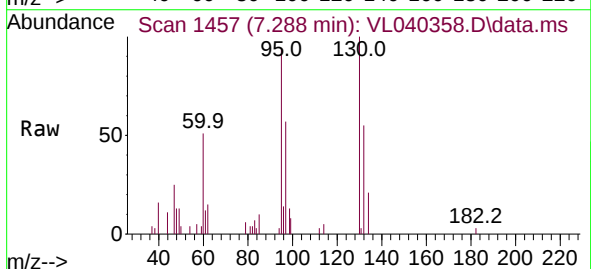
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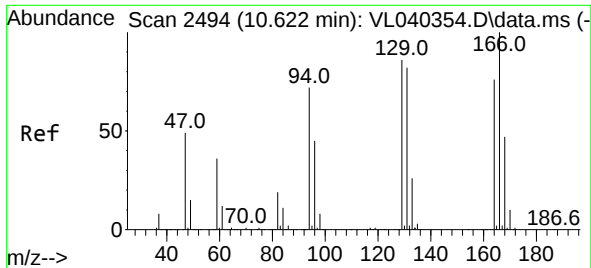
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#38
Trichloroethene
Concen: 0.099 ppbv m
RT: 7.288 min Scan# 1457
Delta R.T. -0.007 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

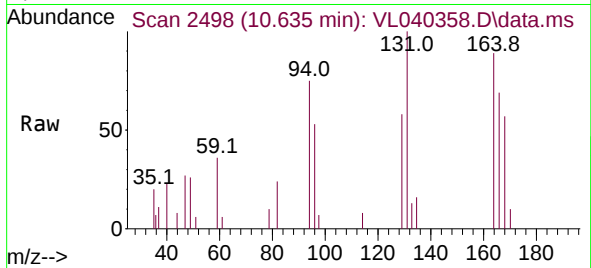
Tgt Ion:130 Resp: 10469
Ion Ratio Lower Upper
130 100
95 93.7 93.0 139.4
132 55.2 75.3 112.9#
97 56.7 61.9 92.9#





#52
Tetrachloroethene
Concen: 0.079 ppbv m
RT: 10.635 min Scan# 2498
Delta R.T. 0.013 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

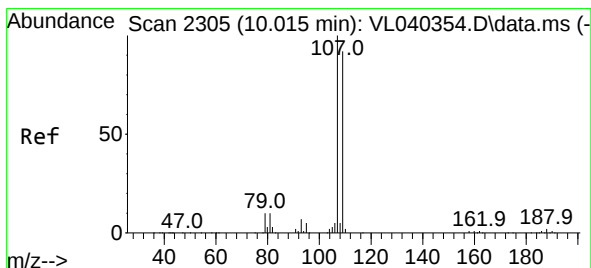
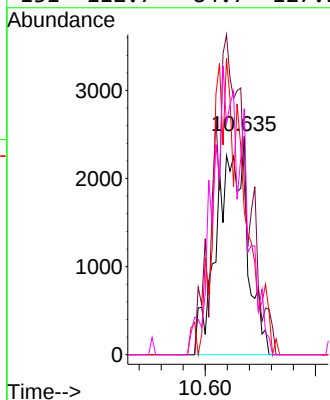
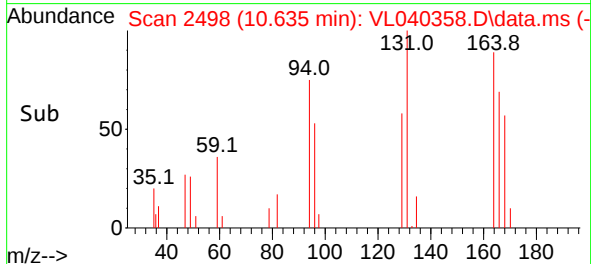
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.1



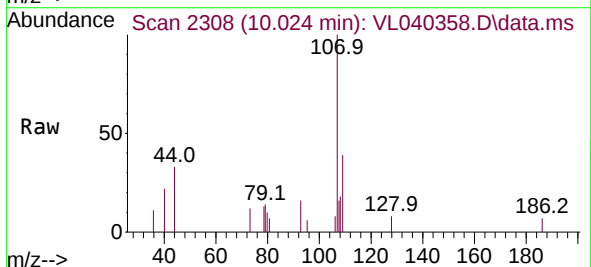
Tgt Ion:164 Resp: 4648
Ion Ratio Lower Upper
164 100
166 77.3 101.8 152.6
129 65.5 90.2 135.2
131 112.7 84.7 127.1

Manual Integrations
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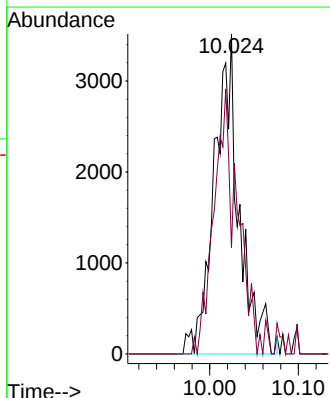
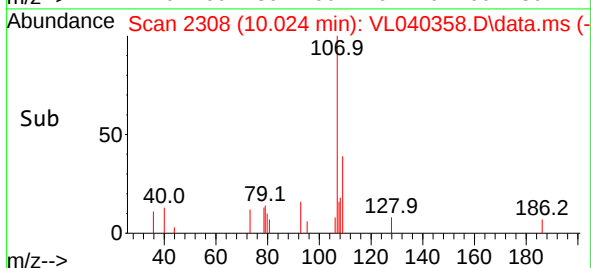
Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023

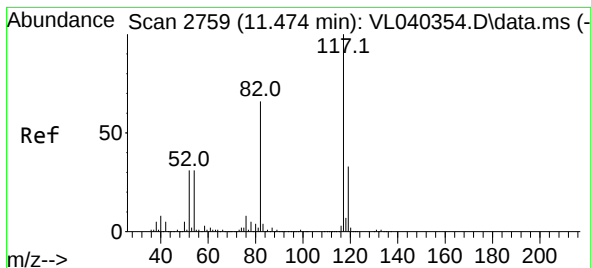


#54
1,2-Dibromoethane
Concen: 0.082 ppbv m
RT: 10.024 min Scan# 2308
Delta R.T. 0.009 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40



Tgt Ion:107 Resp: 6798
Ion Ratio Lower Upper
107 100
109 38.6 77.0 115.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.475 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.1

Tgt Ion:117 Resp: 222199

Ion Ratio Lower Upper

117 100

82 69.1 51.4 77.2

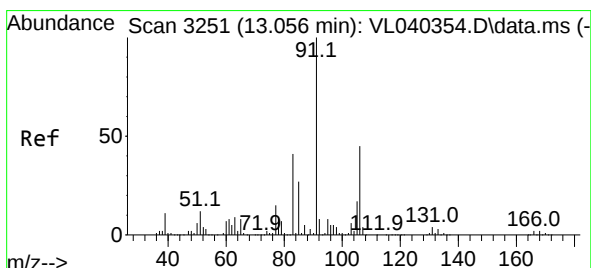
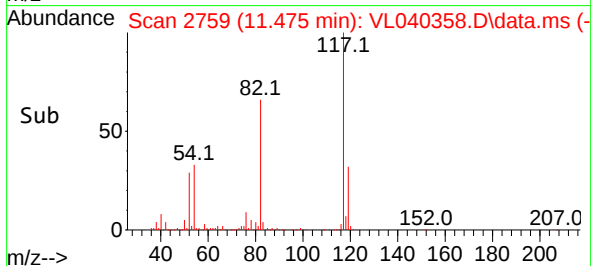
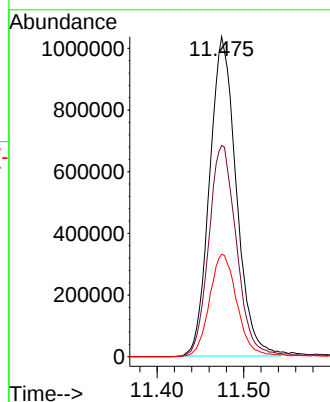
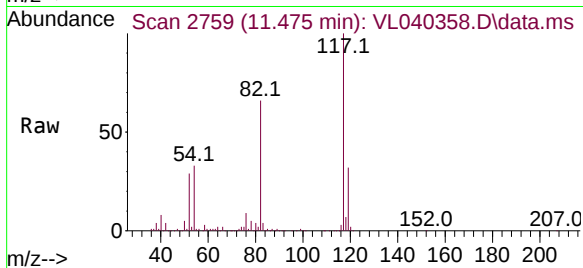
119 33.6 24.0 36.0

Manual Integrations

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Supervised By :Mahesh Dadoda 04/14/2023



#63

1,1,2,2-Tetrachloroethane

Concen: 0.097 ppbv m

RT: 13.063 min Scan# 3253

Delta R.T. 0.007 min

Lab File: VL040358.D

Acq: 13 Apr 2023 12:40

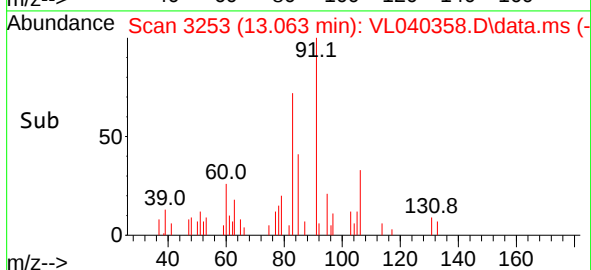
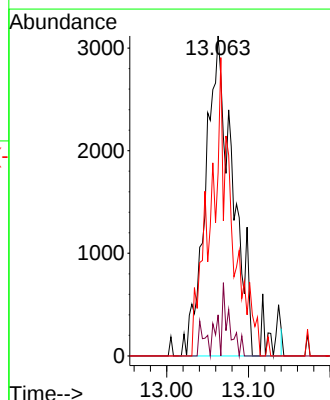
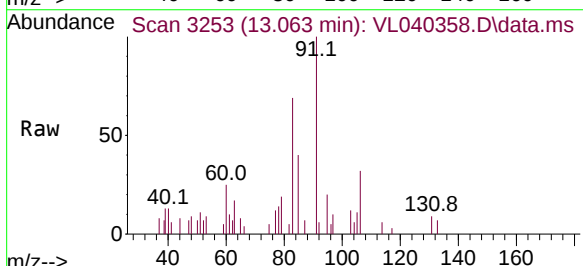
Tgt Ion: 83 Resp: 7543

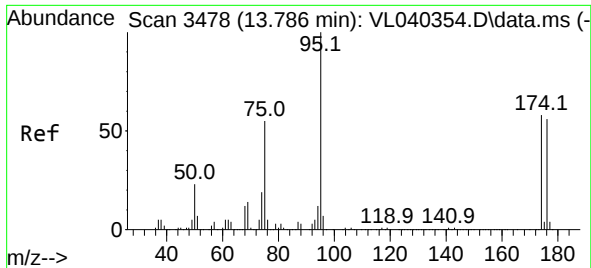
Ion Ratio Lower Upper

83 100

131 10.1 4.3 12.9

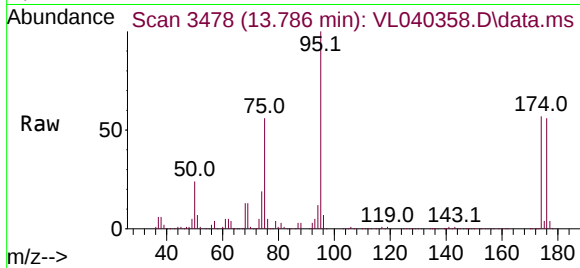
85 70.8 32.7 98.1





#68
1-Bromo-4-Fluorobenzene
Concen: 10.019 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.000 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

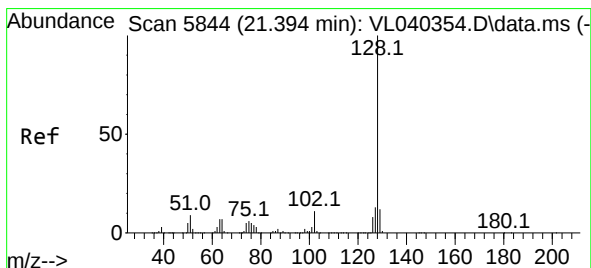
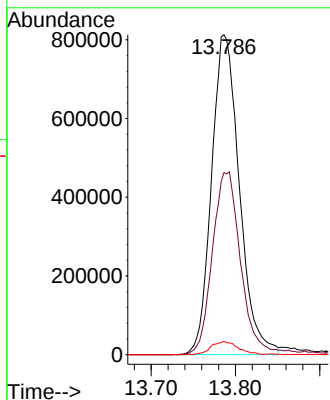
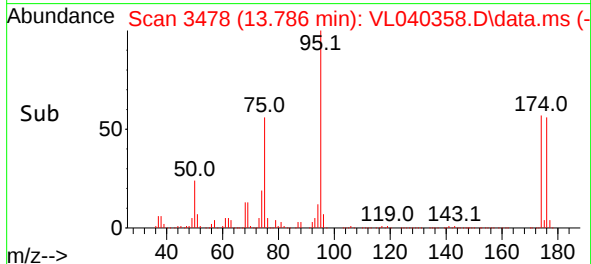
Instrument :
MSVOA_1
ClientSampleId :
VSTDIC0.1



Tgt Ion: 95 Resp: 186421
Ion Ratio Lower Upper
95 100
174 59.5 47.0 70.6
175 4.3 3.4 5.2

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 04/14/2023
Supervised By :Mahesh Dadoda 04/14/2023



#79
Naphthalene
Concen: 0.061 ppbv m
RT: 21.419 min Scan# 5852
Delta R.T. 0.022 min
Lab File: VL040358.D
Acq: 13 Apr 2023 12:40

Tgt Ion:128 Resp: 8992
Ion Ratio Lower Upper
128 100
127 0.0 9.6 14.4#
129 16.3 8.6 13.0#

