

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041023\
 Data File : VU053611.D
 Acq On : 10 Apr 2023 11:39
 Operator : JC/MD
 Sample : 02251-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMC6

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/11/2023
 Supervised By :Mahesh Dadoda 04/11/2023

Quant Time: Apr 11 02:21:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 11 02:19:45 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	276369	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.430	117	291934	50.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.828	152	196248	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	87425	40.625	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	81.260%		
7) Chloroethane-d5	1.909	69	74521	44.913	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.820%		
11) 1,1-Dichloroethene-d2	2.565	63	115073	34.544	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	69.080%		
21) 2-Butanone-d5	4.613	46	97666	100.240	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	100.240%		
24) Chloroform-d	5.060	84	209036	58.735	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	117.460%		
26) 1,2-Dichloroethane-d4	5.703	65	98277	46.732	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.460%		
32) Benzene-d6	5.729	84	329156	41.771	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.540%		
36) 1,2-Dichloropropane-d6	6.687	67	100935	41.906	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	83.820%		
41) Toluene-d8	7.896	98	307835	39.304	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	78.600%#		
43) trans-1,3-Dichloroprop...	8.176	79	48721	39.187	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.380%		
47) 2-Hexanone-d5	8.629	63	80521	97.955	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	97.960%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	147844	43.550	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	87.100%		
66) 1,2-Dichlorobenzene-d4	12.214	152	175326	42.800	ug/L	0.03
Spiked Amount 50.000	Range 80 - 120		Recovery =	85.600%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	18183	10.722	ug/L #	3
13) Acetone	2.623	43	4253	4.857	ug/L	94
25) Chloroform	5.083	83	1465001	452.428	ug/L	99
29) Cyclohexane	5.385	56	10353m	3.684	ug/L	
33) Benzene	5.761	78	33389778m	4389.833	ug/L	
34) Trichloroethene	6.542	95	9822	4.270	ug/L	95
35) Methylcyclohexane	6.761	83	6894	2.039	ug/L #	79
38) Bromodichloromethane	7.102	83	8390	3.256	ug/L #	96
46) Tetrachloroethene	8.549	164	4896	2.565	ug/L	98
49) Dibromochloromethane	8.806	129	3597	1.631	ug/L	97
51) Chlorobenzene	9.439	112	32673495m	5501.559	ug/L	
59) Bromoform	10.285	173	6838	3.404	ug/L	93
64) 1,3-Dichlorobenzene	11.748	146	16254773m	2681.098	ug/L	
65) 1,4-Dichlorobenzene	11.835	146	30735757m	4974.173	ug/L	
67) 1,2-Dichlorobenzene	12.211	146	32344910m	5352.968	ug/L	
70) 1,2,4-trichlorobenzene	13.848	180	13732865	3299.203	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	4862014	1169.443	ug/L	99

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 C0MC6

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

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

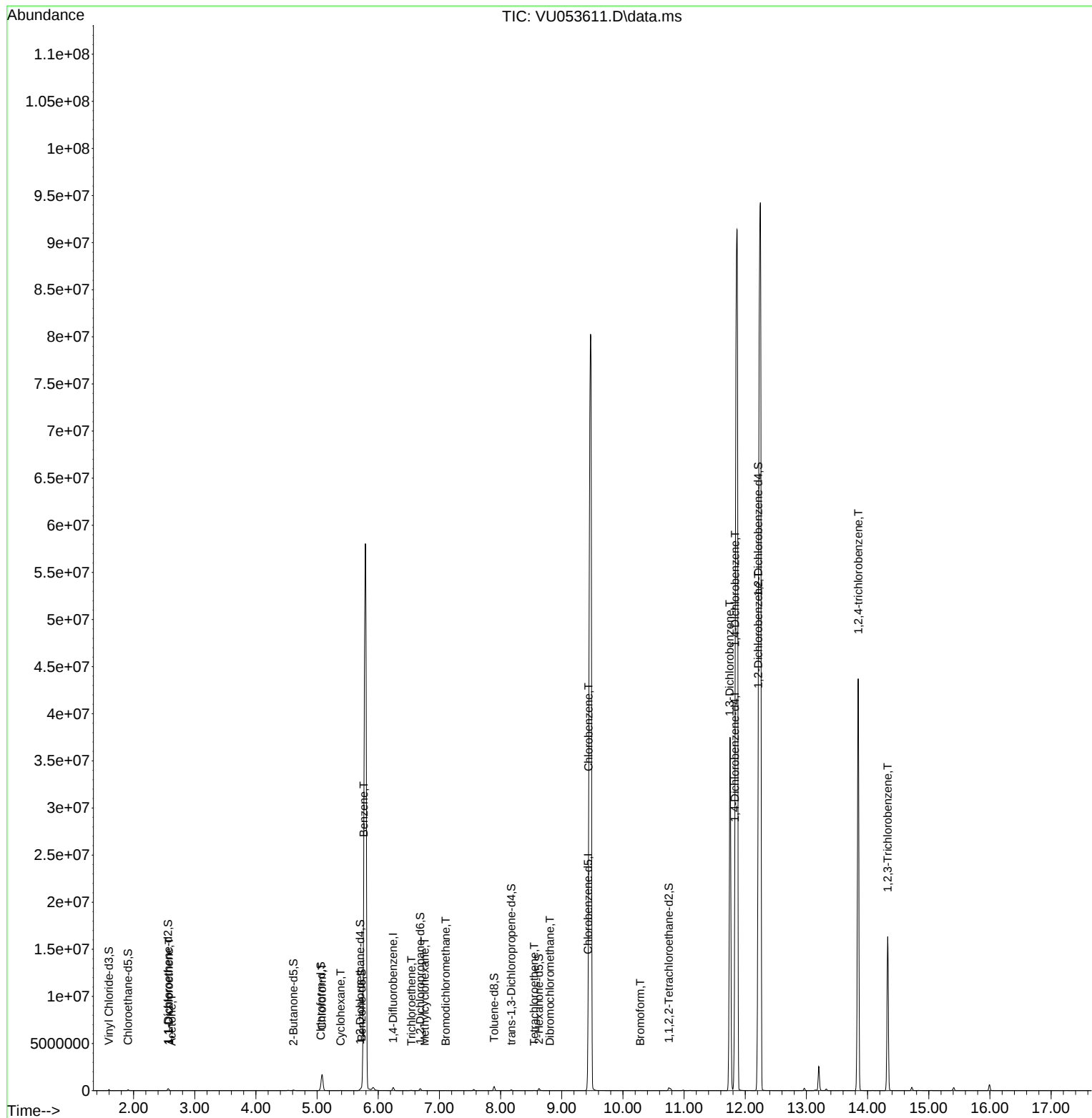
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041023\
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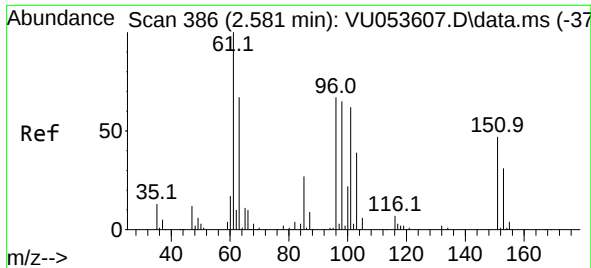
Instrument :
MSVOA_U
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COMC6

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#12

1,1-Dichloroethene

Concen: 10.722 ug/L

RT: 2.578 min Scan# 386

Delta R.T. -0.003 min

Lab File: VU053611.D

Acq: 10 Apr 2023 11:39

Instrument :

MSVOA_U

ClientSampleId :

COMC6

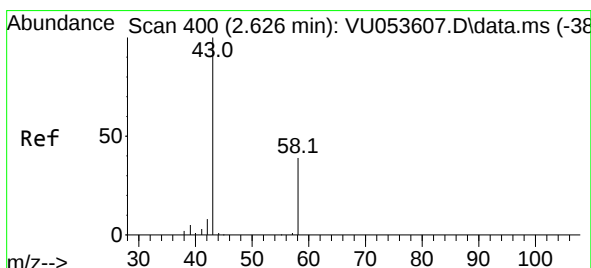
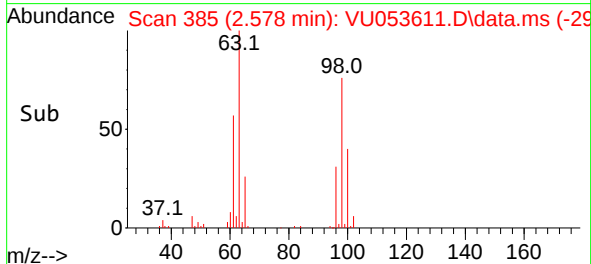
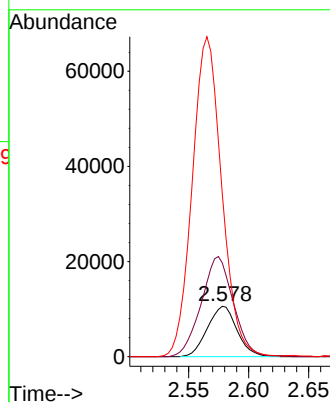
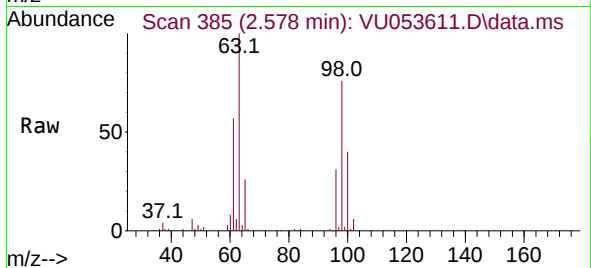
Tgt Ion: 96	Resp: 1818
Ion Ratio	Lower Upper
96	100
61	185.7 107.9 200.5
63	323.3 79.1 146.9

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#13

Acetone

Concen: 4.857 ug/L

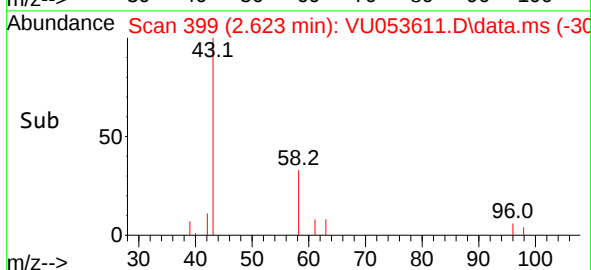
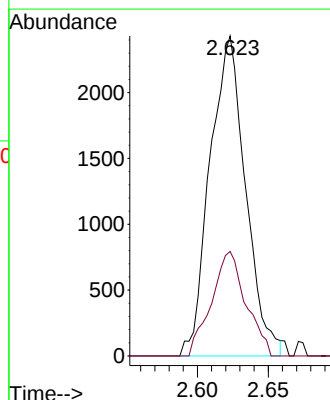
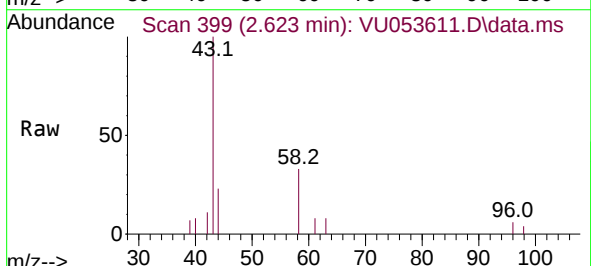
RT: 2.623 min Scan# 399

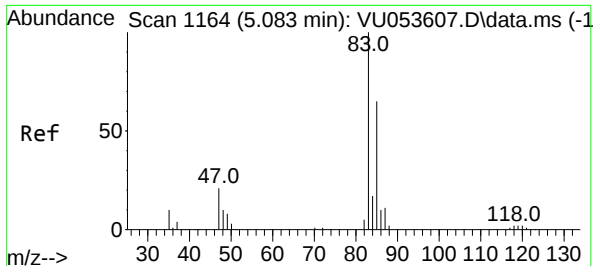
Delta R.T. -0.003 min

Lab File: VU053611.D

Acq: 10 Apr 2023 11:39

Tgt Ion: 43	Resp: 4253
Ion Ratio	Lower Upper
43	100
58	31.5 0.0 70.2





#25

Chloroform

Concen: 452.428 ug/L

RT: 5.083 min Scan# 1164

Delta R.T. -0.000 min

Lab File: VU053611.D

Acq: 10 Apr 2023 11:39

Instrument :

MSVOA_U

ClientSampleId :

COMC6

Tgt Ion: 83 Resp: 146500

Ion Ratio Lower Upper

83 100

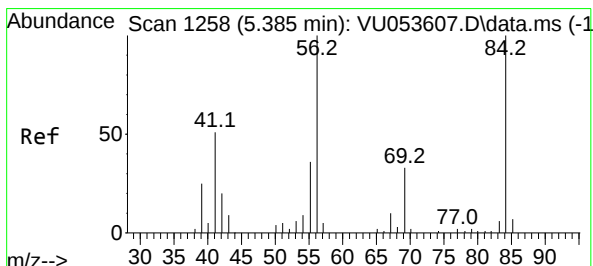
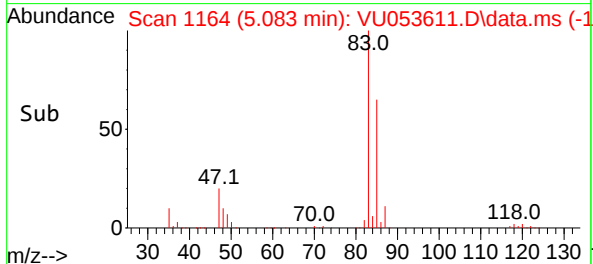
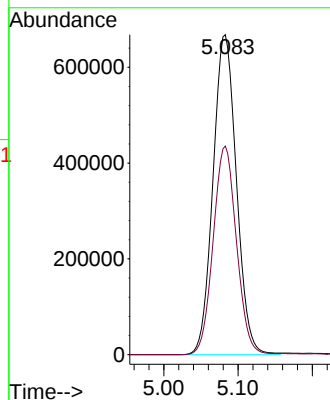
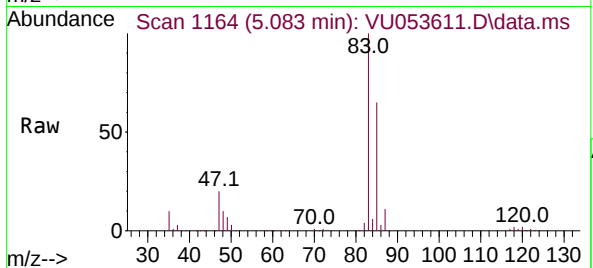
85 65.2 46.1 85.5

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Supervised By :Mahesh Dadoda 04/11/2023



#29

Cyclohexane

Concen: 3.684 ug/L m

RT: 5.385 min Scan# 1258

Delta R.T. 0.000 min

Lab File: VU053611.D

Acq: 10 Apr 2023 11:39

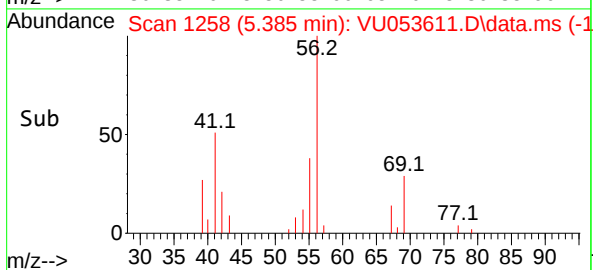
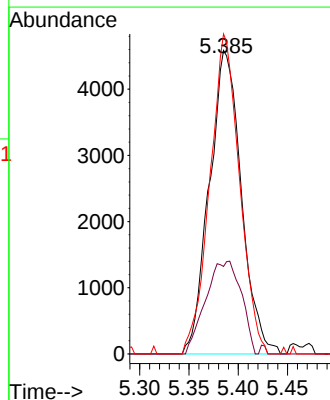
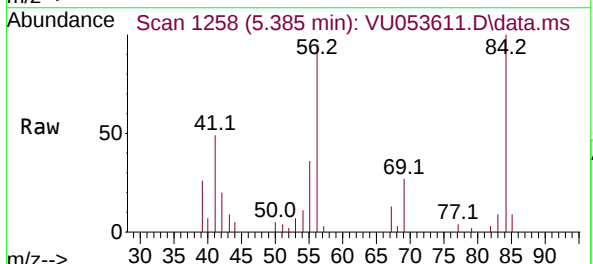
Tgt Ion: 56 Resp: 10353

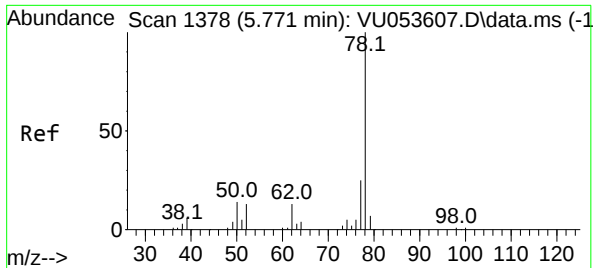
Ion Ratio Lower Upper

56 100

69 0.4 27.3 40.9#

84 1.0 81.3 121.9#





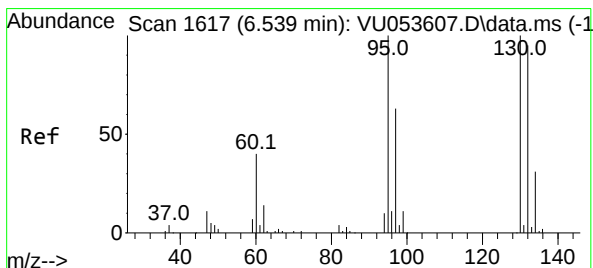
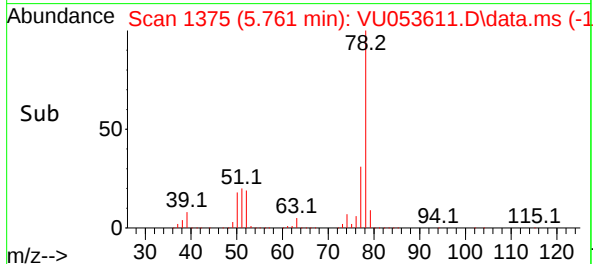
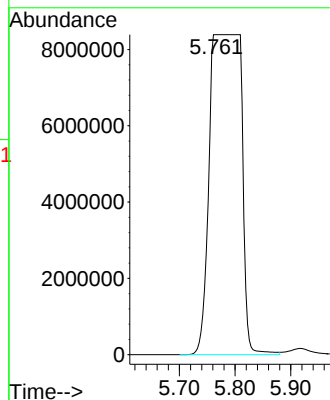
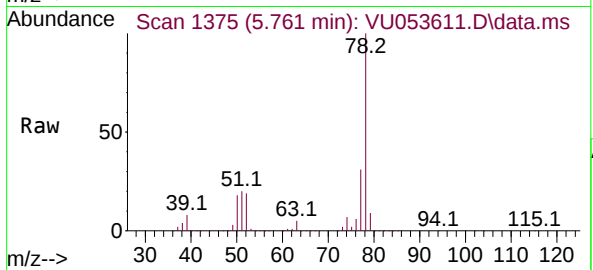
#33
Benzene
Concen: 4389.833 ug/L m
RT: 5.761 min Scan# 1375
Delta R.T. -0.010 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39

Instrument :
MSVOA_U
ClientSampleId :
COMC6

Tgt Ion: 78 Resp:33389778

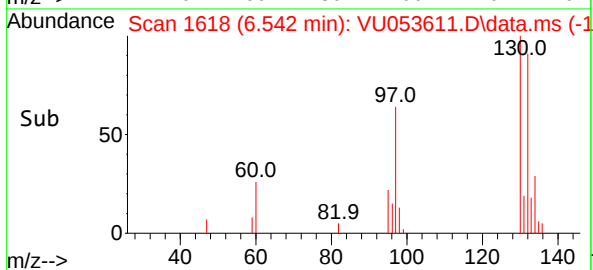
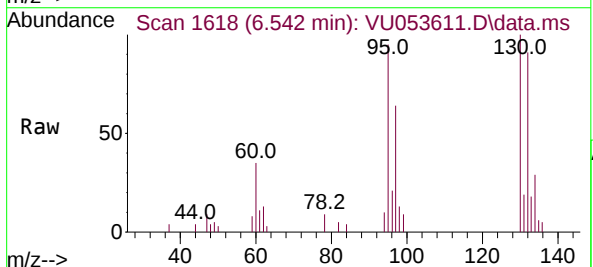
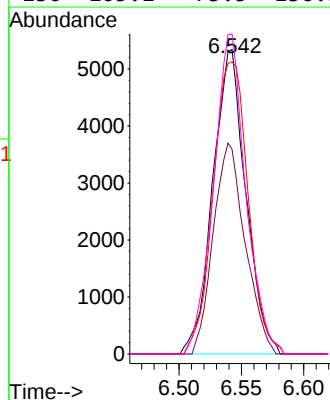
Manual Integrations
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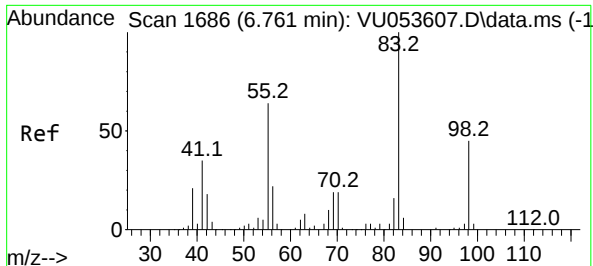
Reviewed By :Krupa Patel 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#34
Trichloroethene
Concen: 4.270 ug/L
RT: 6.542 min Scan# 1618
Delta R.T. 0.003 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39

Tgt Ion: 95 Resp: 9822
Ion Ratio Lower Upper
95 100
97 67.3 45.1 83.7
132 95.9 74.1 137.5
130 105.1 73.5 136.5





#35

Methylcyclohexane

Concen: 2.039 ug/L

RT: 6.761 min Scan# 1686

Delta R.T. 0.000 min

Lab File: VU053611.D

Acq: 10 Apr 2023 11:39

Instrument :

MSVOA_U

ClientSampleId :

COMC6

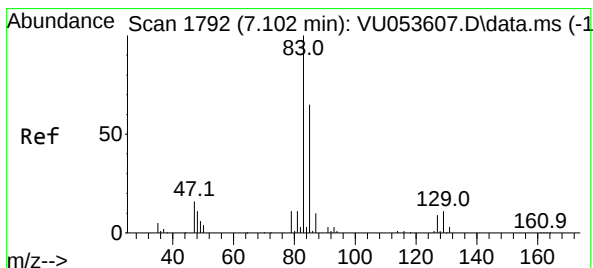
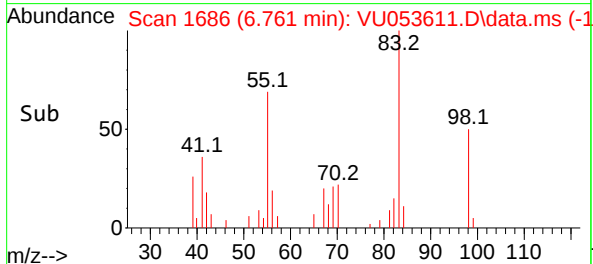
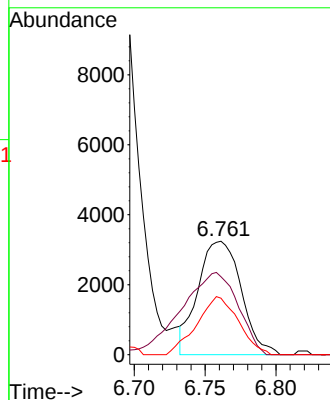
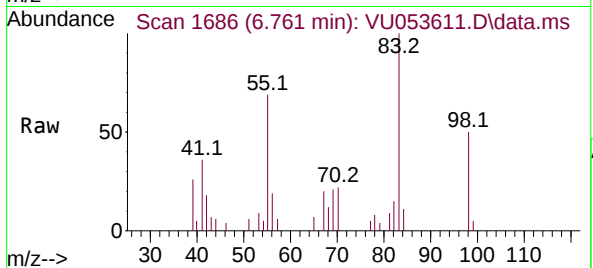
Tgt Ion: 83	Resp: 6894
Ion Ratio	Lower Upper
83 100	
55 95.7	53.0 79.6
98 49.0	39.0 58.6

Manual Integrations

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Reviewed By :Krupa Patel 04/11/2023

Supervised By :Mahesh Dadoda 04/11/2023



#38

Bromodichloromethane

Concen: 3.256 ug/L

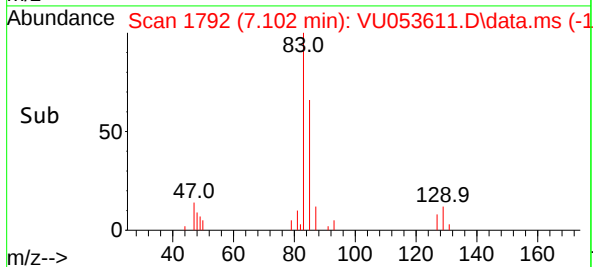
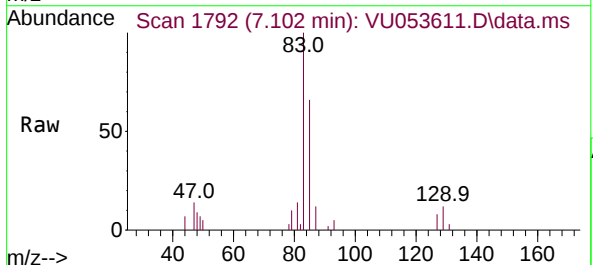
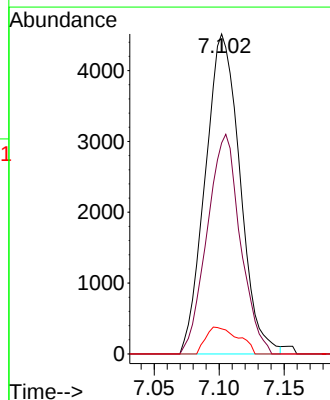
RT: 7.102 min Scan# 1792

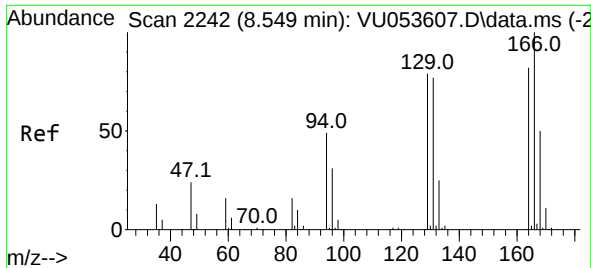
Delta R.T. 0.000 min

Lab File: VU053611.D

Acq: 10 Apr 2023 11:39

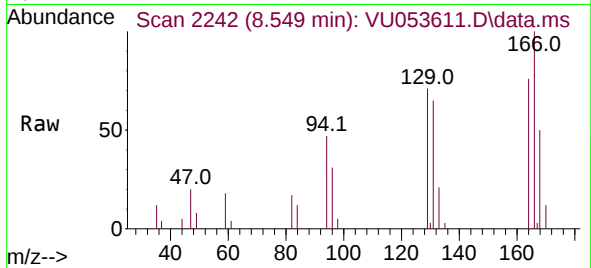
Tgt Ion: 83	Resp: 8390
Ion Ratio	Lower Upper
83 100	
85 66.0	44.4 82.5
127 7.9	8.0 12.0





#46
Tetrachloroethene
Concen: 2.565 ug/L
RT: 8.549 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39

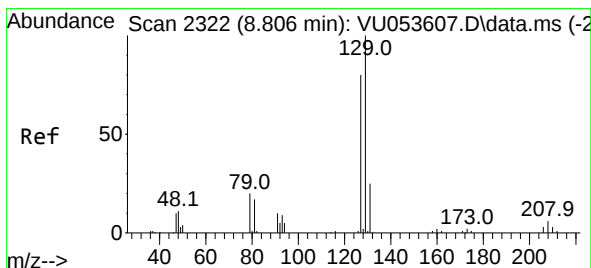
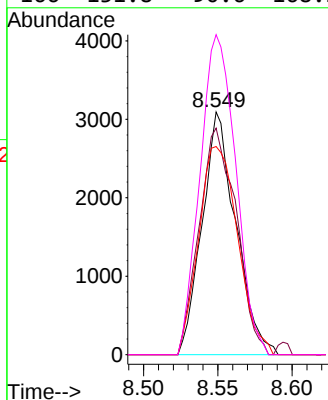
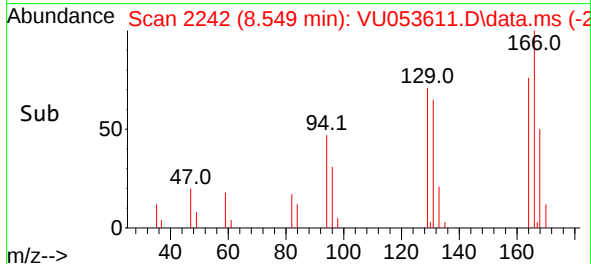
Instrument :
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ClientSampleId :
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Tgt Ion:164 Resp: 4890
Ion Ratio Lower Upper
164 100
129 93.3 64.0 119.0
131 85.7 61.9 115.1
166 131.8 90.6 168.2

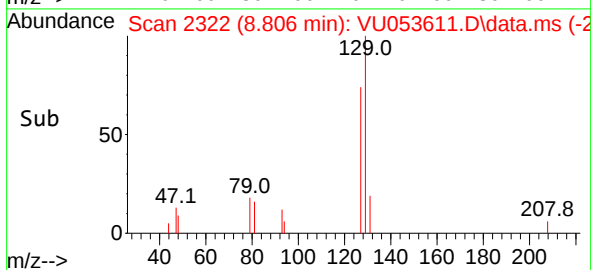
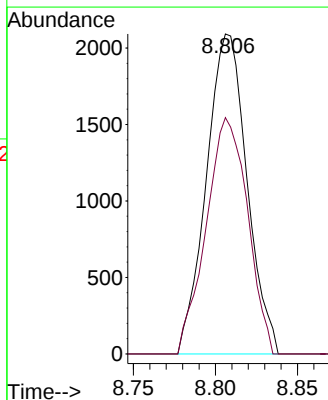
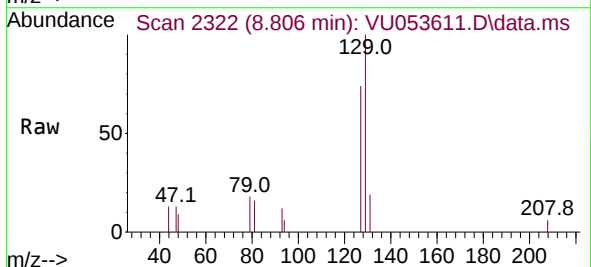
Manual Integrations
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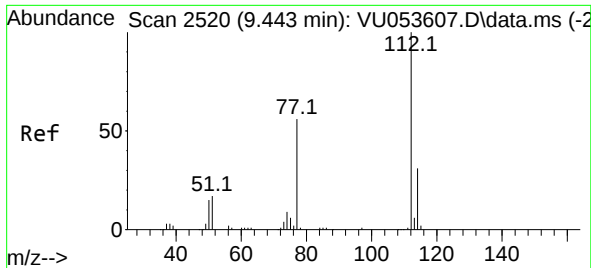
Reviewed By :Krupa Patel 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#49
Dibromochloromethane
Concen: 1.631 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39

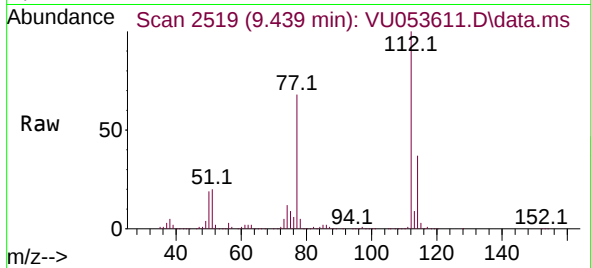
Tgt Ion:129 Resp: 3597
Ion Ratio Lower Upper
129 100
127 73.9 53.5 99.3





#51
Chlorobenzene
Concen: 5501.559 ug/L m
RT: 9.439 min Scan# 2519
Delta R.T. -0.003 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39

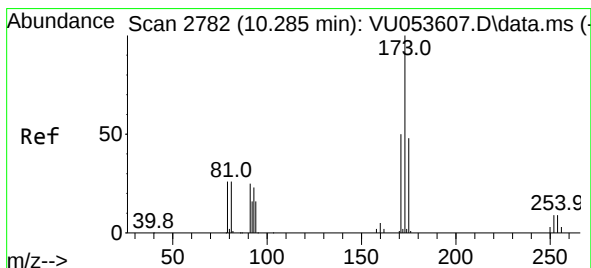
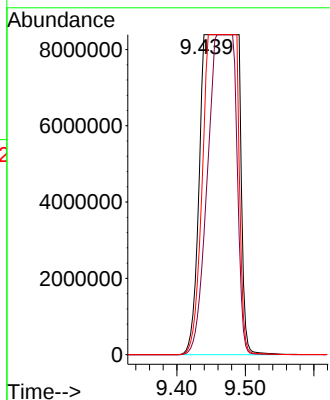
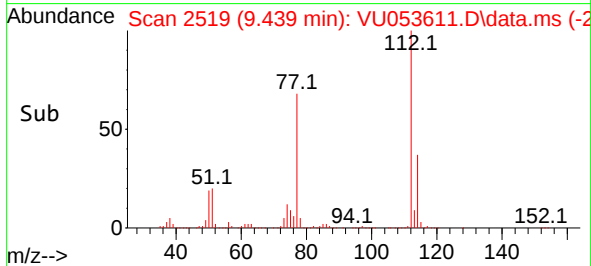
Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:112 Resp:3267349
Ion Ratio Lower Upper
112 100
114 37.5 22.2 41.2
77 68.5 41.3 61.9

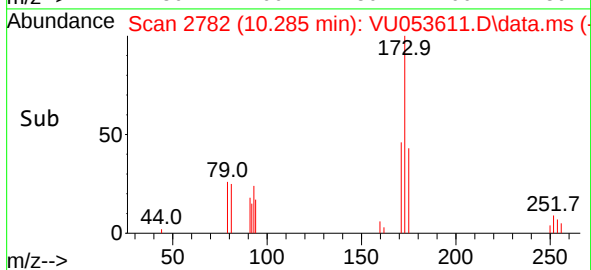
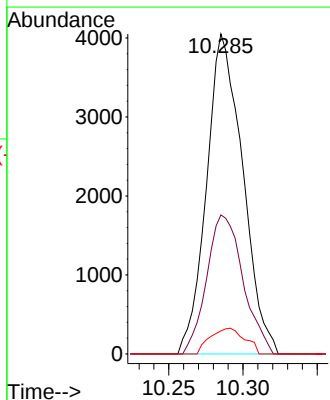
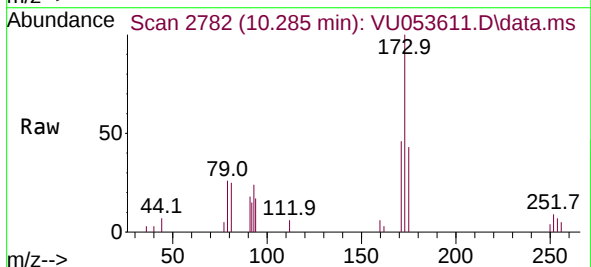
Manual Integrations
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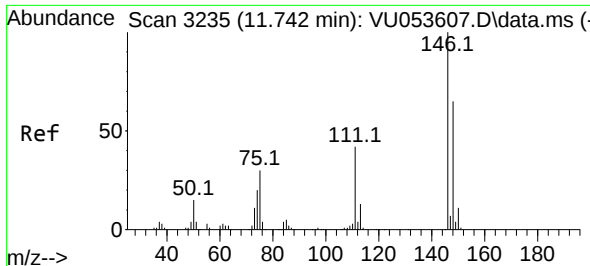
Reviewed By :Krupa Patel 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023



#59
Bromoform
Concen: 3.404 ug/L
RT: 10.285 min Scan# 2782
Delta R.T. 0.000 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39

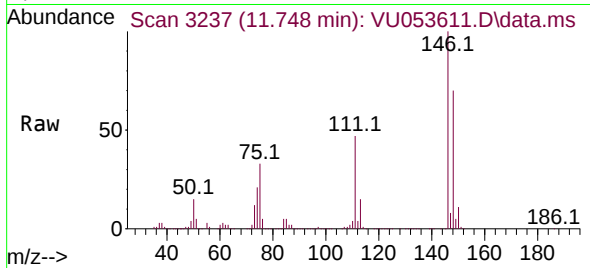
Tgt Ion:173 Resp: 6838
Ion Ratio Lower Upper
173 100
175 43.8 39.0 58.6
254 7.7 7.0 10.4





#64
1,3-Dichlorobenzene
Concen: 2681.098 ug/L m
RT: 11.748 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39

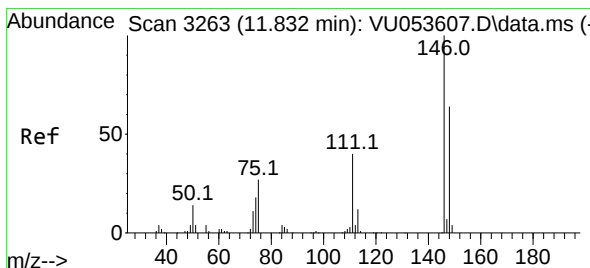
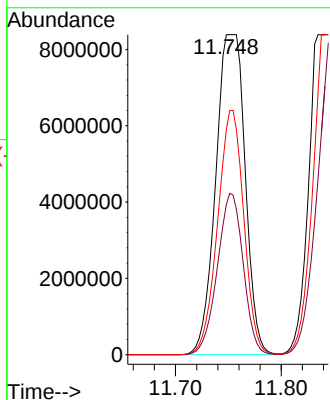
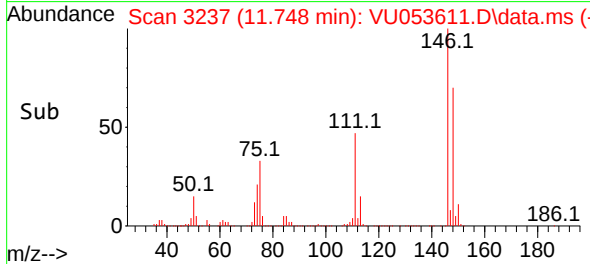
Instrument :
MSVOA_U
ClientSampleId :
COMC6



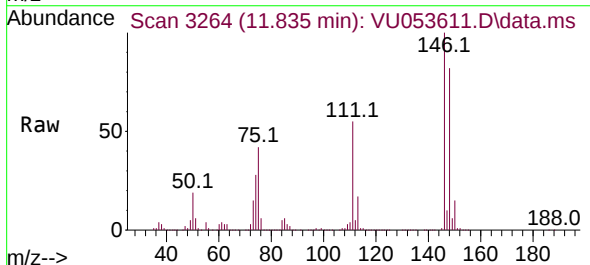
Tgt Ion:146 Resp:1625477
Ion Ratio Lower Upper
146 100
111 46.9 25.7 47.7
148 70.4 44.2 82.2

Manual Integrations
APPROVED

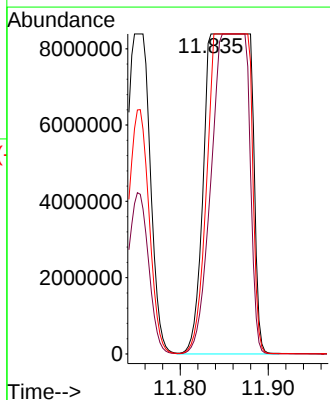
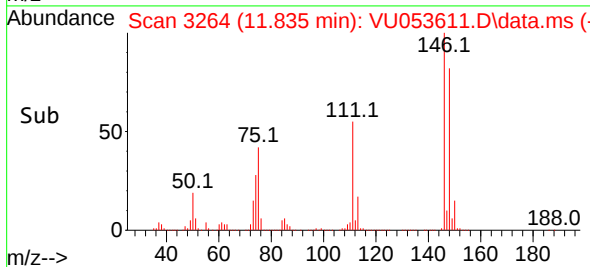
Reviewed By :Krupa Patel 04/11/2023
Supervised By :Mahesh Dadoda 04/11/2023

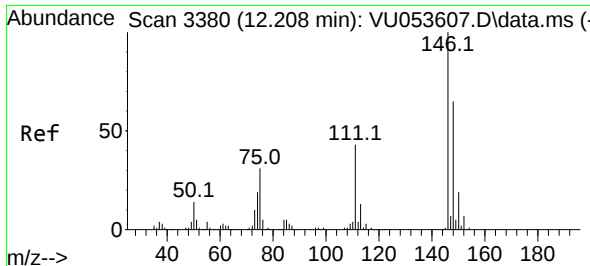


#65
1,4-Dichlorobenzene
Concen: 4974.173 ug/L m
RT: 11.835 min Scan# 3264
Delta R.T. 0.003 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39



Tgt Ion:146 Resp:30735757
Ion Ratio Lower Upper
146 100
111 55.0 25.1 46.5#
148 81.8 44.3 82.3





#67

1,2-Dichlorobenzene

Concen: 5352.968 ug/L m

RT: 12.211 min Scan# 3381

Delta R.T. 0.003 min

Lab File: VU053611.D

Acq: 10 Apr 2023 11:39

Instrument :

MSVOA_U

ClientSampleId :

COMC6

Tgt Ion:146 Resp:32344910

Ion Ratio Lower Upper

146 100

111 51.7 31.5 47.3

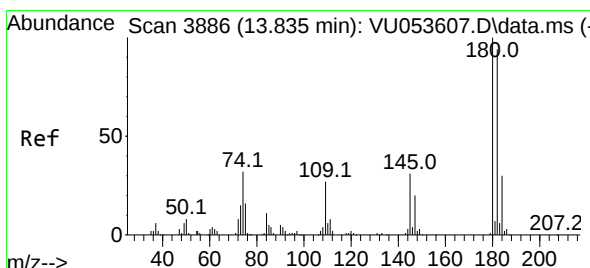
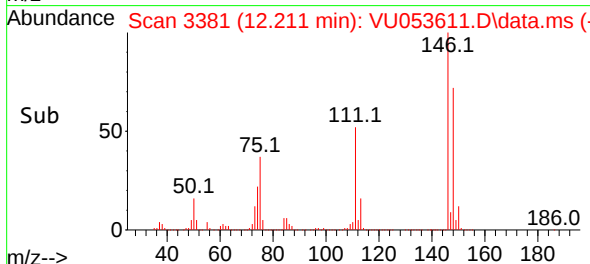
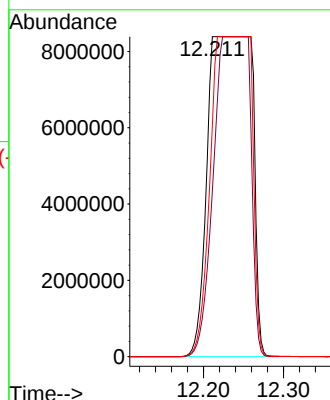
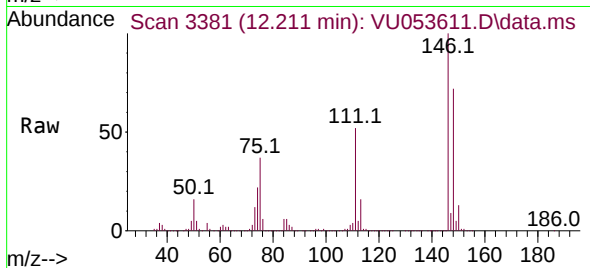
148 72.2 51.6 77.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/11/2023

Supervised By :Mahesh Dadoda 04/11/2023



#70

1,2,4-trichlorobenzene

Concen: 3299.203 ug/L

RT: 13.848 min Scan# 3890

Delta R.T. 0.013 min

Lab File: VU053611.D

Acq: 10 Apr 2023 11:39

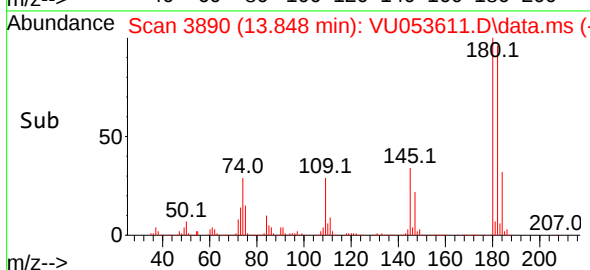
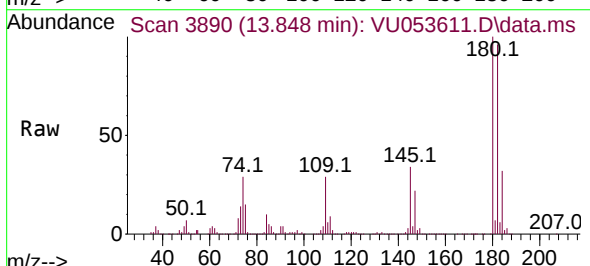
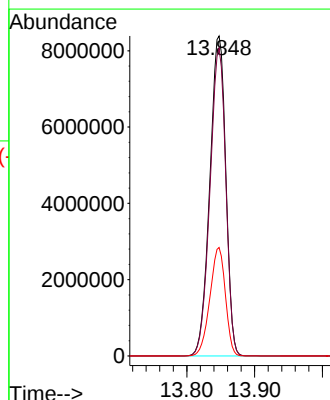
Tgt Ion:180 Resp:13732865

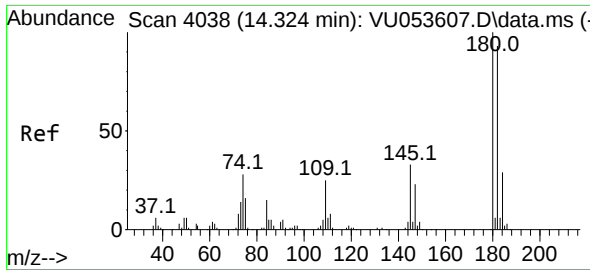
Ion Ratio Lower Upper

180 100

182 95.1 75.8 113.8

145 32.8 23.4 35.2





#72

1,2,3-Trichlorobenzene

Concen: 1169.443 ug/L

RT: 14.330 min Scan# 40

Delta R.T. 0.006 min

Lab File: VU053611.D

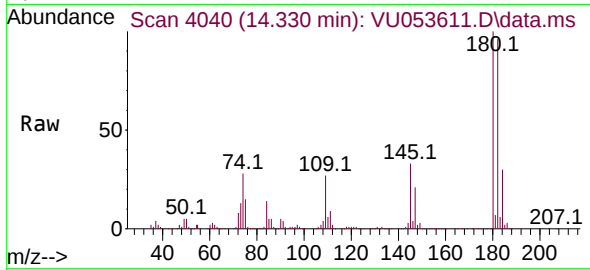
Acq: 10 Apr 2023 11:39

Instrument :

MSVOA_U

ClientSampleId :

C0MC6



Tgt Ion:180 Resp: 4862014

Ion Ratio Lower Upper

180 100

182 95.5 77.0 115.6

145 33.4 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/11/2023

Supervised By :Mahesh Dadoda 04/11/2023

