

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020123\
 Data File : VU052910.D
 Acq On : 01 Feb 2023 17:06
 Operator : JC/MD
 Sample : 01381-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44Q5

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/03/2023
 Supervised By :Mahesh Dadoda 02/03/2023

Quant Time: Feb 01 20:06:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 20:03:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	243285	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	238378	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	129709	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	75578	43.161	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	86.320%		
7) Chloroethane-d5	1.906	69	73485	50.931	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	101.860%		
11) 1,1-Dichloroethene-d2	2.562	63	117473	33.730	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	67.460%		
21) 2-Butanone-d5	4.623	46	86237	79.722	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	79.720%		
24) Chloroform-d	5.057	84	173289	46.370	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.740%		
26) 1,2-Dichloroethane-d4	5.693	65	114547	48.004	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.000%		
32) Benzene-d6	5.722	84	330368	45.362	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.720%		
36) 1,2-Dichloropropane-d6	6.684	67	99970	46.803	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.600%		
41) Toluene-d8	7.893	98	288431	43.493	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.980%		
43) trans-1,3-Dichloroprop...	8.176	79	46710	43.631	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.260%		
47) 2-Hexanone-d5	8.639	63	61793	82.335	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	82.330%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	138047	43.744	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	87.480%		
66) 1,2-Dichlorobenzene-d4	12.192	152	129917m	51.583	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.160%		
Target Compounds						
5) Vinyl chloride	1.604	62	4159	2.001	ug/L #	61
12) 1,1-Dichloroethene	2.571	96	3496	1.943	ug/L #	1
20) cis-1,2-Dichloroethene	4.658	96	186210	89.673	ug/L	100
30) 1,1,1-Trichloroethane	5.308	97	2778	0.792	ug/L #	65
34) Trichloroethene	6.536	95	1537310	745.379	ug/L	98
51) Chlorobenzene	9.443	112	1436737	251.110	ug/L	99
64) 1,3-Dichlorobenzene	11.741	146	94153	22.277	ug/L	99
65) 1,4-Dichlorobenzene	11.831	146	622630	142.299	ug/L	98
67) 1,2-Dichlorobenzene	12.211	146	3066222	717.240	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	158432	60.394	ug/L	98
72) 1,2,3-Trichlorobenzene	14.323	180	18853	6.800	ug/L	99

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

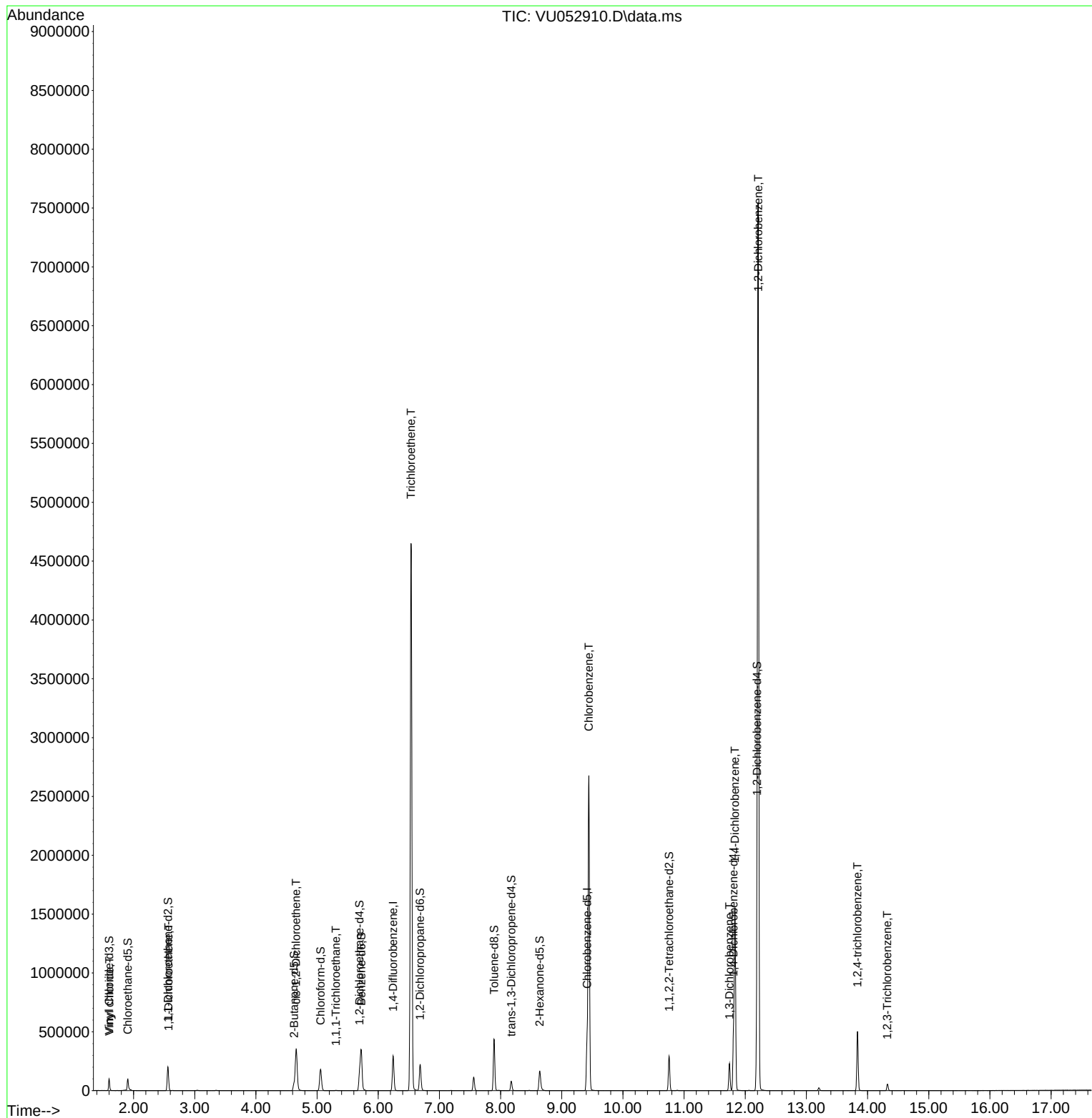
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020123\
Data File : VU052910.D
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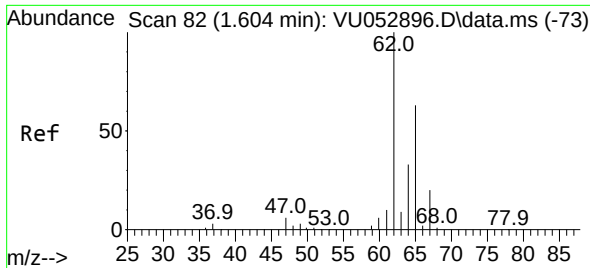
Instrument :
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ClientSampleId :
A44Q5

Quant Time: Feb 01 20:06:40 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 01 20:03:09 2023
Response via : Initial Calibration

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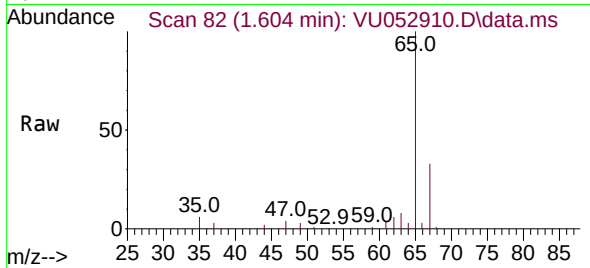
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023





#5
 Vinyl chloride
 Concen: 2.001 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052910.D
 Acq: 01 Feb 2023 17:06

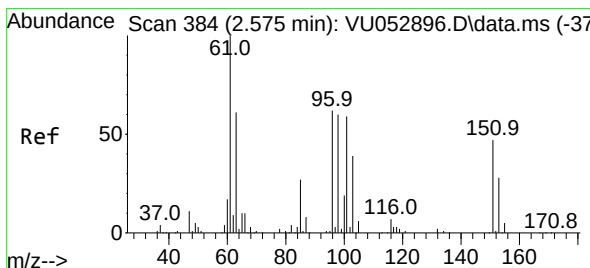
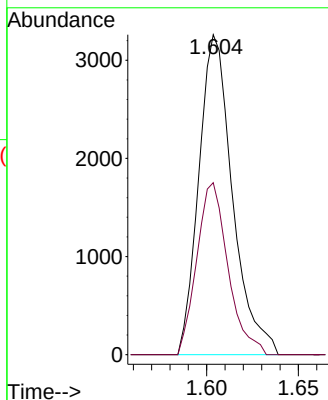
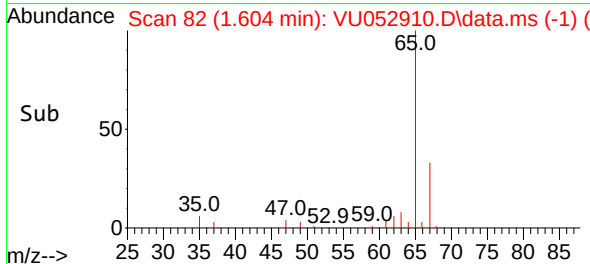
Instrument :
 MSVOA_U
 ClientSampleId :
 A44Q5



Tgt Ion: 62 Resp: 4159
 Ion Ratio Lower Upper
 62 100
 64 53.8 22.4 41.6

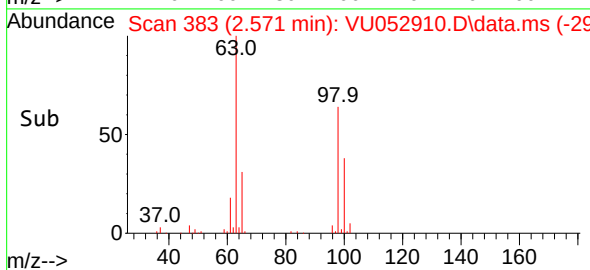
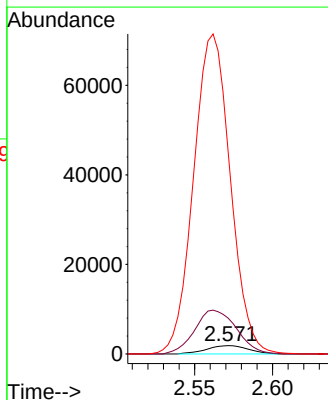
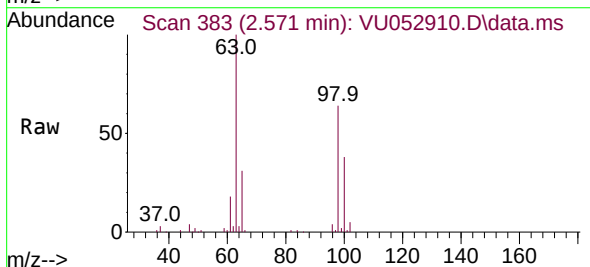
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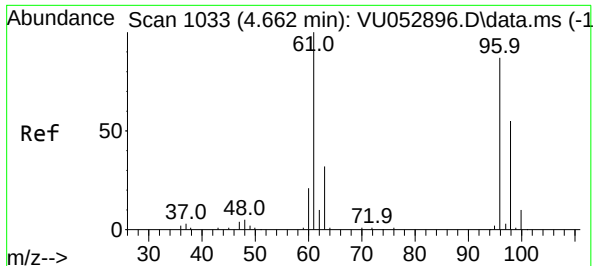
Reviewed By :Krupa Patel 02/03/2023
 Supervised By :Mahesh Dadoda 02/03/2023



#12
 1,1-Dichloroethene
 Concen: 1.943 ug/L
 RT: 2.571 min Scan# 383
 Delta R.T. -0.003 min
 Lab File: VU052910.D
 Acq: 01 Feb 2023 17:06

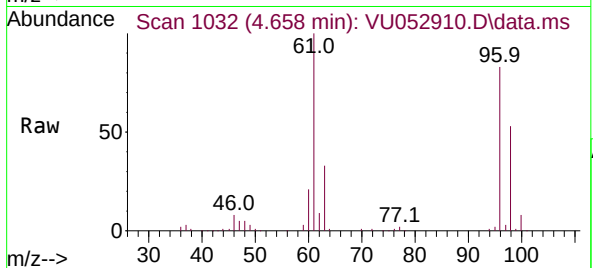
Tgt Ion: 96 Resp: 3496
 Ion Ratio Lower Upper
 96 100
 61 431.5 114.3 212.3#
 63 2453.3 80.6 149.6#





#20
cis-1,2-Dichloroethene
Concen: 89.673 ug/L
RT: 4.658 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VU052910.D
Acq: 01 Feb 2023 17:06

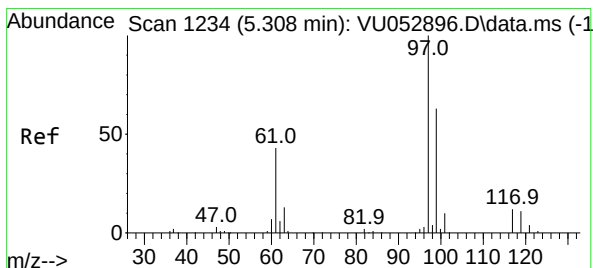
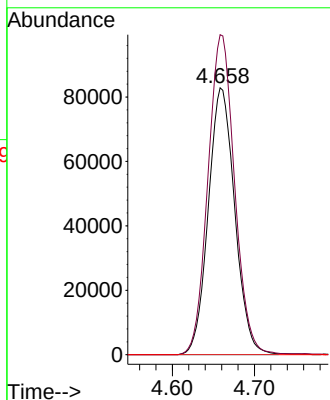
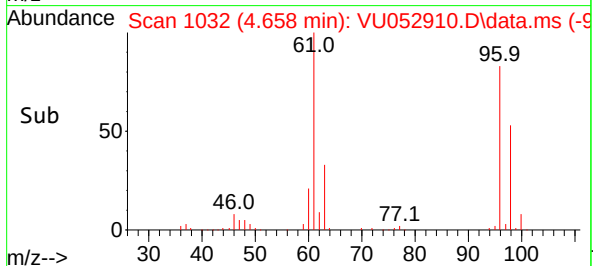
Instrument :
MSVOA_U
ClientSampleId :
A44Q5



Tgt Ion: 96 Resp: 186210
Ion Ratio Lower Upper
96 100
61 119.9 84.1 156.1
68 0.0 0.0 0.0

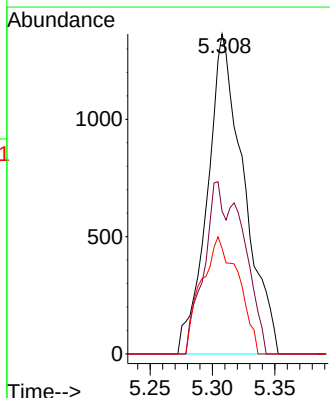
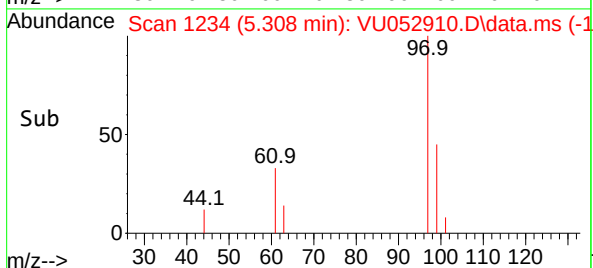
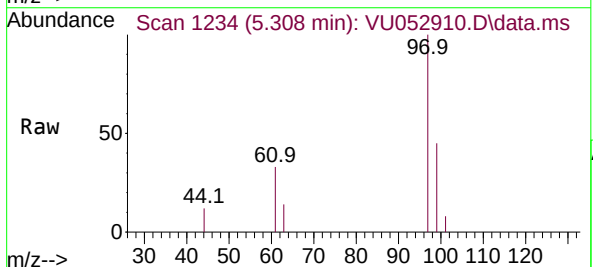
Manual Integrations
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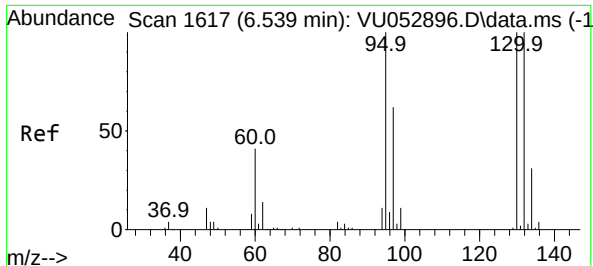
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#30
1,1,1-Trichloroethane
Concen: 0.792 ug/L
RT: 5.308 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VU052910.D
Acq: 01 Feb 2023 17:06

Tgt Ion: 97 Resp: 2778
Ion Ratio Lower Upper
97 100
99 31.4 51.4 77.0#
61 26.7 33.0 49.6#





#34

Trichloroethene

Concen: 745.379 ug/L

RT: 6.536 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU052910.D

Acq: 01 Feb 2023 17:06

Instrument :

MSVOA_U

ClientSampleId :

A44Q5

Tgt Ion: 95 Resp: 1537310

Ion Ratio Lower Upper

95 100

97 64.6 44.5 82.7

132 99.9 66.8 124.0

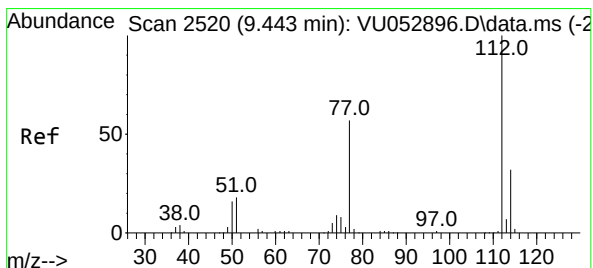
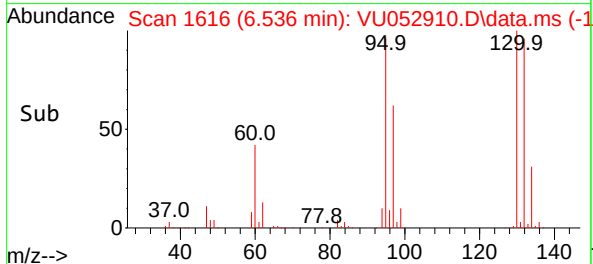
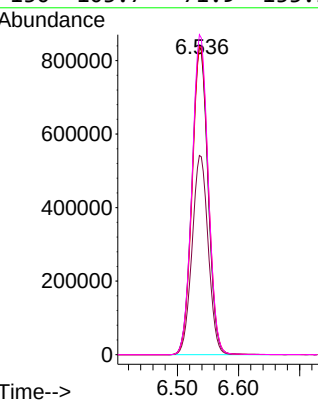
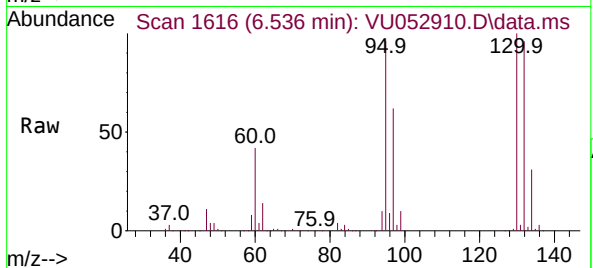
130 103.7 71.9 133.5

Manual Integrations

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Reviewed By :Krupa Patel 02/03/2023

Supervised By :Mahesh Dadoda 02/03/2023



#51

Chlorobenzene

Concen: 251.110 ug/L

RT: 9.443 min Scan# 2520

Delta R.T. -0.000 min

Lab File: VU052910.D

Acq: 01 Feb 2023 17:06

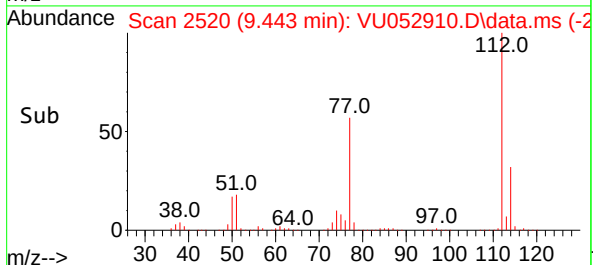
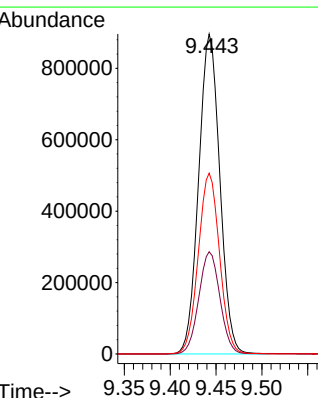
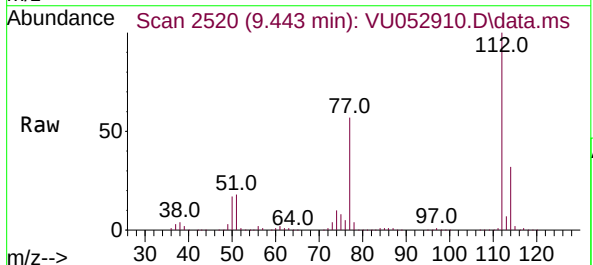
Tgt Ion:112 Resp: 1436737

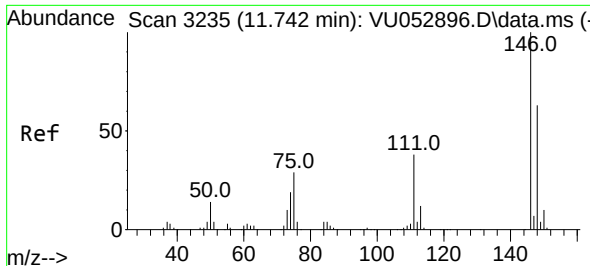
Ion Ratio Lower Upper

112 100

114 32.0 22.8 42.4

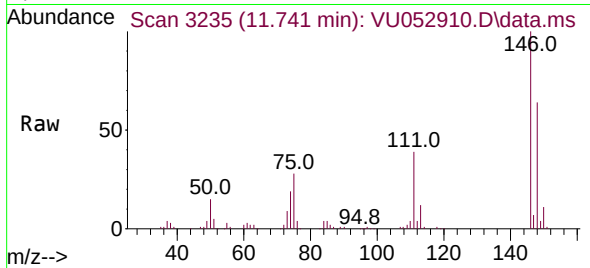
77 56.5 45.9 68.9





#64
1,3-Dichlorobenzene
Concen: 22.277 ug/L
RT: 11.741 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU052910.D
Acq: 01 Feb 2023 17:06

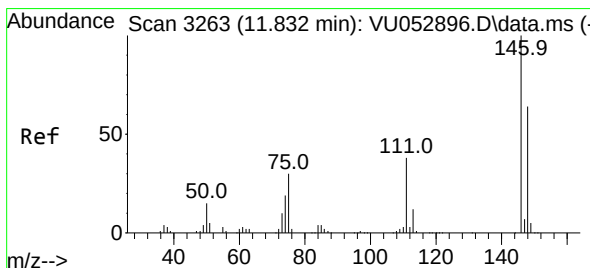
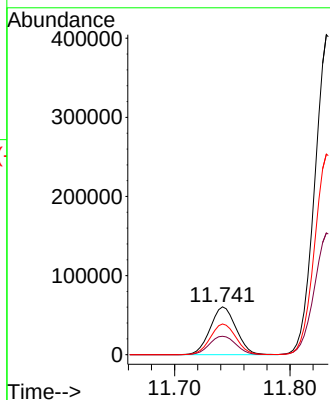
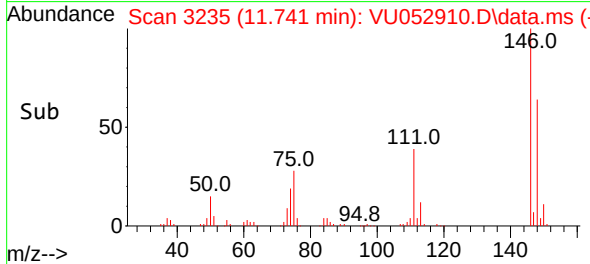
Instrument :
MSVOA_U
ClientSampleId :
A44Q5



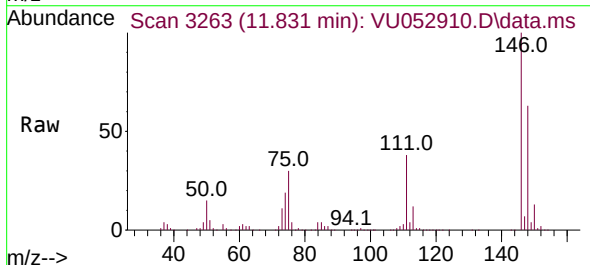
Tgt Ion:146 Resp: 9415
Ion Ratio Lower Upper
146 100
111 38.7 27.8 51.6
148 64.3 45.5 84.5

Manual Integrations
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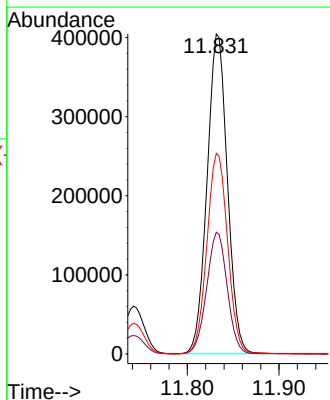
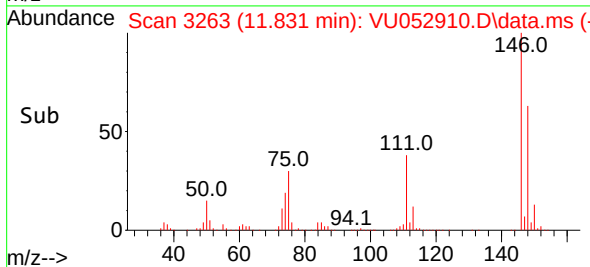
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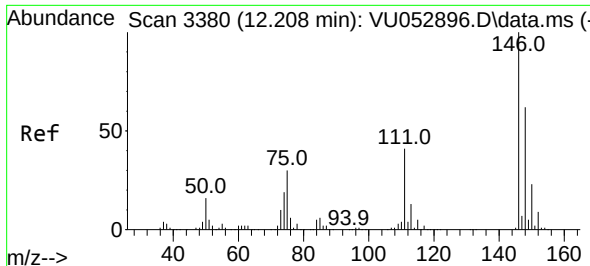


#65
1,4-Dichlorobenzene
Concen: 142.299 ug/L
RT: 11.831 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU052910.D
Acq: 01 Feb 2023 17:06



Tgt Ion:146 Resp: 622630
Ion Ratio Lower Upper
146 100
111 38.0 26.7 49.7
148 62.7 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 717.240 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU052910.D

Acq: 01 Feb 2023 17:06

Instrument :

MSVOA_U

ClientSampleId :

A44Q5

Tgt Ion:146 Resp: 306622

Ion Ratio Lower Upper

146 100

111 41.2 33.2 49.8

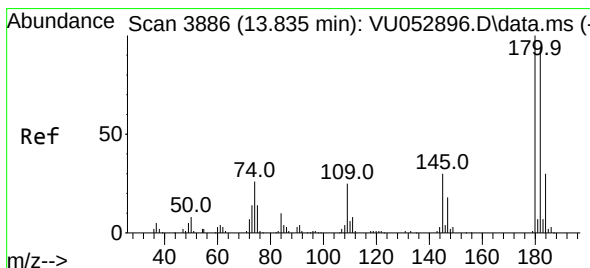
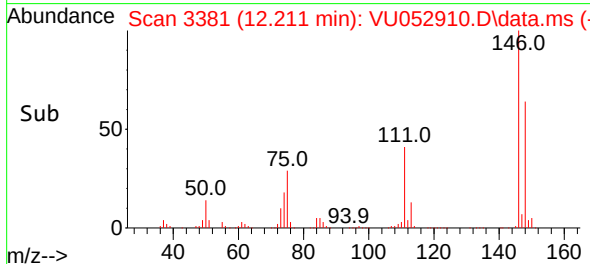
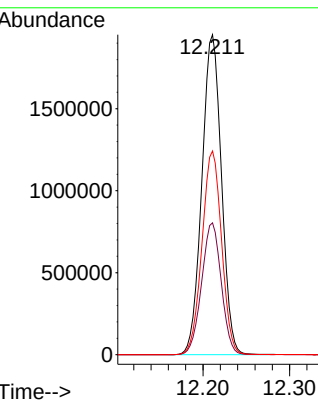
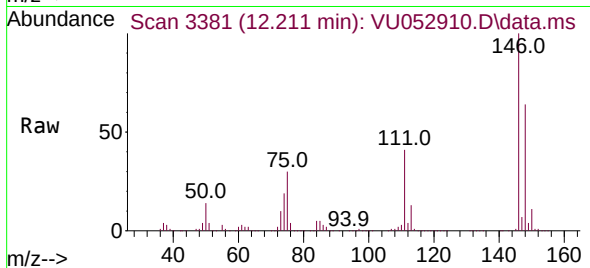
148 63.7 50.2 75.4

Manual Integrations

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Reviewed By :Krupa Patel 02/03/2023

Supervised By :Mahesh Dadoda 02/03/2023



#70

1,2,4-trichlorobenzene

Concen: 60.394 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. -0.000 min

Lab File: VU052910.D

Acq: 01 Feb 2023 17:06

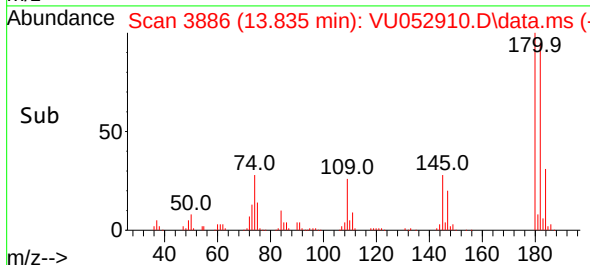
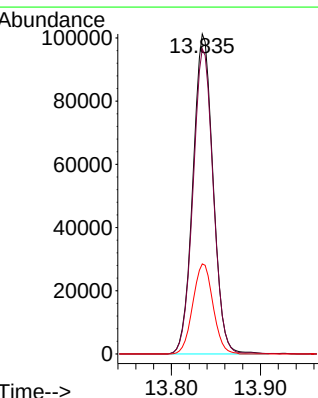
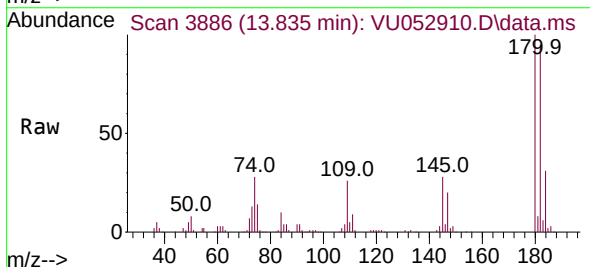
Tgt Ion:180 Resp: 158432

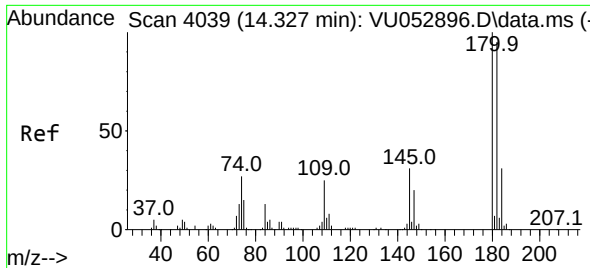
Ion Ratio Lower Upper

180 100

182 95.5 78.2 117.2

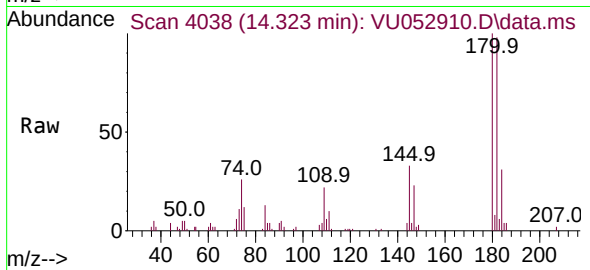
145 28.3 23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 6.800 ug/L
 RT: 14.323 min Scan# 4039
 Delta R.T. -0.003 min
 Lab File: VU052910.D
 Acq: 01 Feb 2023 17:06

Instrument :
 MSVOA_U
 ClientSampleId :
 A44Q5



Tgt Ion:	180	Resp:	1885
Ion Ratio	Lower	Upper	
180	100		
182	96.4	77.5	116.3
145	31.8	24.2	36.4

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