

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
 Data File : VU052891.D
 Acq On : 31 Jan 2023 20:01
 Operator : JC/MD
 Sample : 01381-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44M9

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/01/2023
 Supervised By :Mahesh Dadoda 02/01/2023

Quant Time: Feb 01 00:59:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 00:53:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.244	114	245677	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	243902	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.806	152	130600	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.597	65	83473	47.206	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	94.420%
7) Chloroethane-d5	1.906	69	75766	52.001	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.000%
11) 1,1-Dichloroethene-d2	2.562	63	128199	36.451	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.900%
21) 2-Butanone-d5	4.620	46	99657	91.231	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.230%
24) Chloroform-d	5.057	84	174443	46.225	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.440%
26) 1,2-Dichloroethane-d4	5.697	65	116999	48.555	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.100%
32) Benzene-d6	5.723	84	341599	45.842	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.680%
36) 1,2-Dichloropropane-d6	6.684	67	103014	47.136	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.280%
41) Toluene-d8	7.893	98	294856	43.455	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.900%
43) trans-1,3-Dichloroprop...	8.176	79	48614	44.381	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.760%
47) 2-Hexanone-d5	8.632	63	67858	88.368	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.370%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	139227	43.118	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.240%
66) 1,2-Dichlorobenzene-d4	12.192	152	133942m	52.818	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.640%

Target Compounds

						Qvalue
5) Vinyl chloride	1.604	62	13246	6.311	ug/L	86
12) 1,1-Dichloroethene	2.575	96	6872	3.781	ug/L #	1
17) trans-1,2-Dichloroethene	3.350	96	11545	5.878	ug/L	96
18) Methyl tert-butyl Ether	3.359	73	8281	1.434	ug/L #	84
20) cis-1,2-Dichloroethene	4.662	96	1449644	691.304	ug/L	99
33) Benzene	5.768	78	166160	20.013	ug/L	100
34) Trichloroethene	6.536	95	104220	49.388	ug/L	95
42) Toluene	7.964	91	15681	1.843	ug/L	85
51) Chlorobenzene	9.446	112	7377957	1260.297	ug/L	99
52) Ethylbenzene	9.565	91	167978	18.473	ug/L	98
64) 1,3-Dichlorobenzene	11.742	146	101947	23.956	ug/L	96
65) 1,4-Dichlorobenzene	11.832	146	938912	213.120	ug/L	99
67) 1,2-Dichlorobenzene	12.211	146	5514554	1281.145	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	622645	235.731	ug/L	98
72) 1,2,3-Trichlorobenzene	14.324	180	140978	50.504	ug/L	99

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

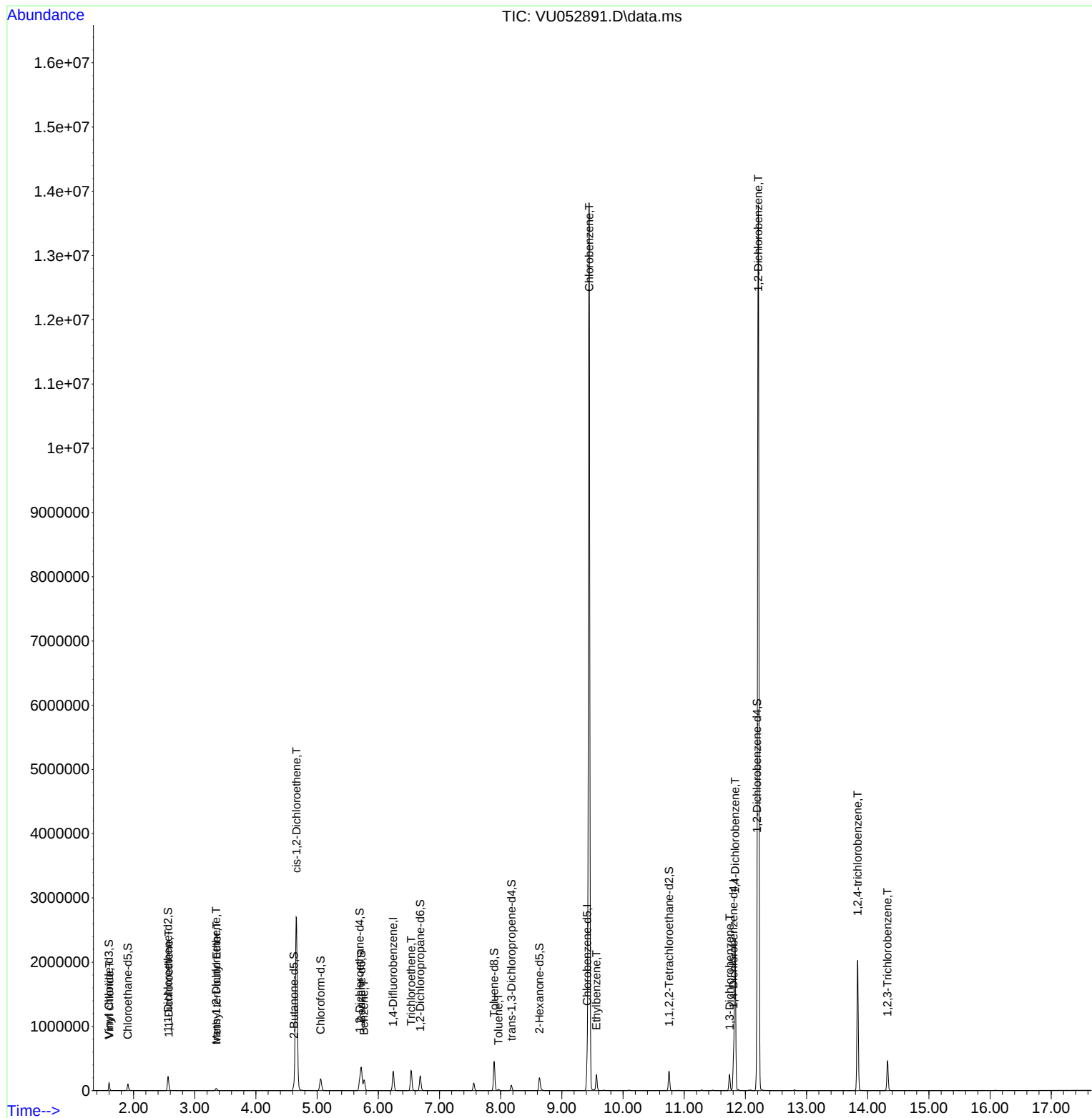
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
Data File : VU052891.D
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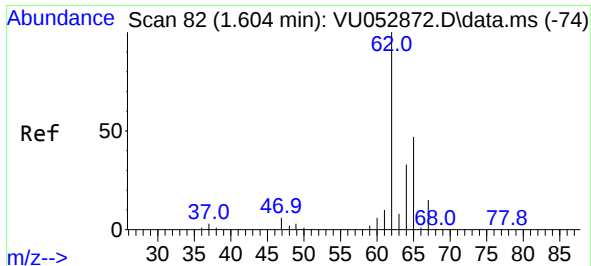
Instrument :
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ClientSampleId :
A44M9

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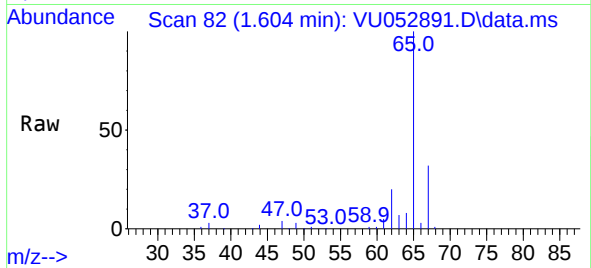
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 01 00:53:48 2023
Response via : Initial Calibration





#5
 Vinyl chloride
 Concen: 6.311 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU052891.D
 Acq: 31 Jan 2023 20:01

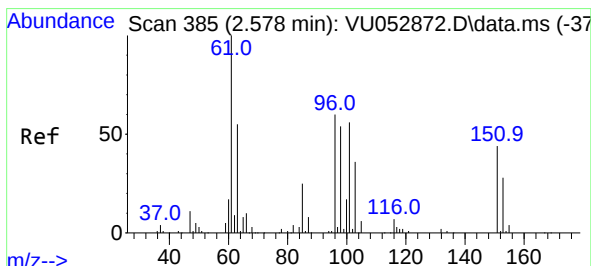
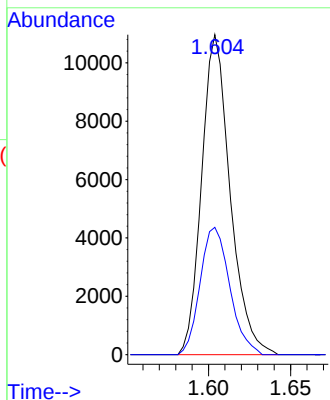
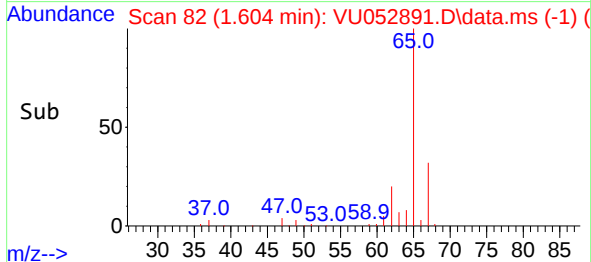
Instrument :
 MSVOA_U
 ClientSampleId :
 A44M9



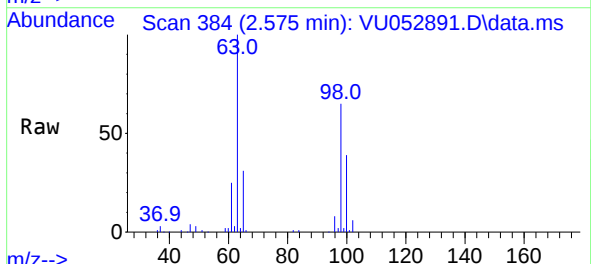
Tgt Ion: 62 Resp: 13240
 Ion Ratio Lower Upper
 62 100
 64 39.8 22.4 41.6

Manual Integrations
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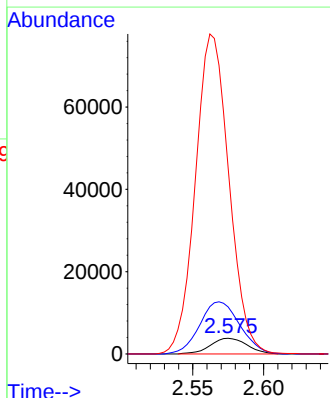
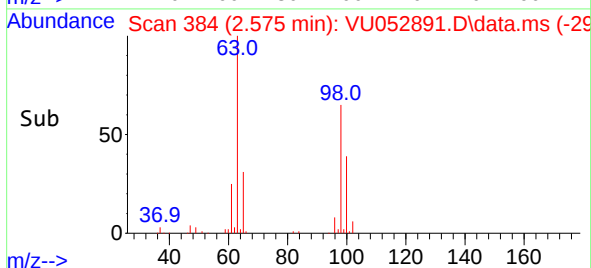
Reviewed By :Krupa Patel 02/01/2023
 Supervised By :Mahesh Dadoda 02/01/2023

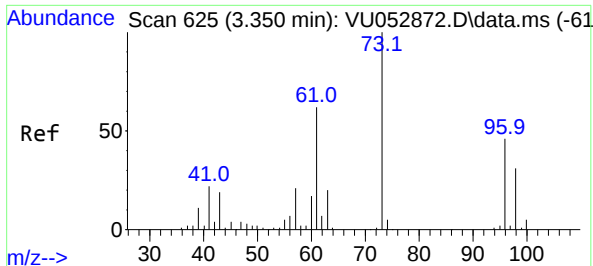


#12
 1,1-Dichloroethene
 Concen: 3.781 ug/L
 RT: 2.575 min Scan# 384
 Delta R.T. -0.003 min
 Lab File: VU052891.D
 Acq: 31 Jan 2023 20:01



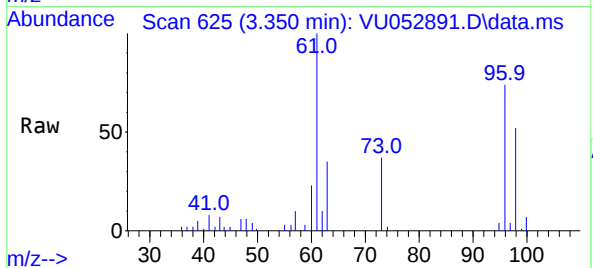
Tgt Ion: 96 Resp: 6872
 Ion Ratio Lower Upper
 96 100
 61 299.5 114.3 212.3#
 63 1187.8 80.6 149.6#





#17
trans-1,2-Dichloroethene
Concen: 5.878 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052891.D
Acq: 31 Jan 2023 20:01

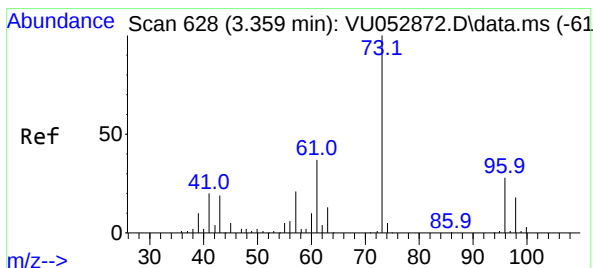
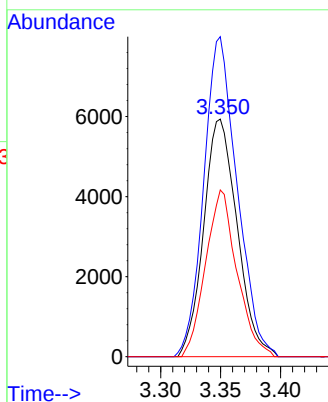
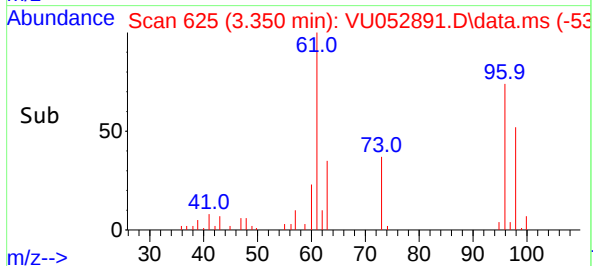
Instrument :
MSVOA_U
ClientSampleId :
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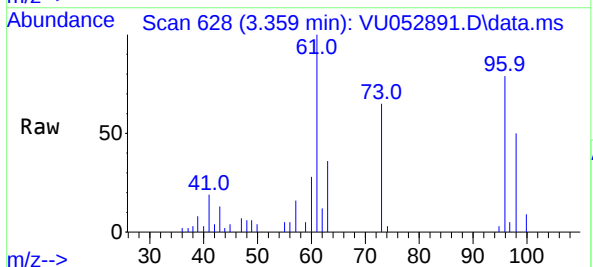
Tgt Ion: 96 Resp: 1154
Ion Ratio Lower Upper
96 100
61 134.7 92.7 172.3
98 70.2 44.7 82.9

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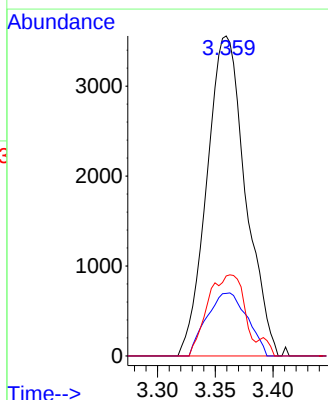
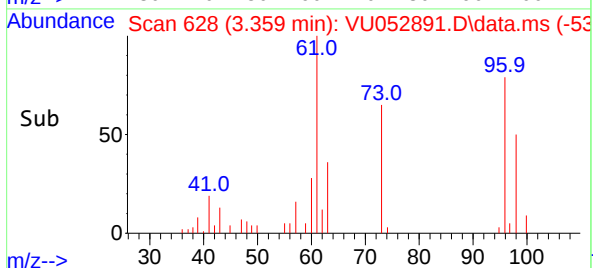
Reviewed By :Krupa Patel 02/01/2023
Supervised By :Mahesh Dadoda 02/01/2023

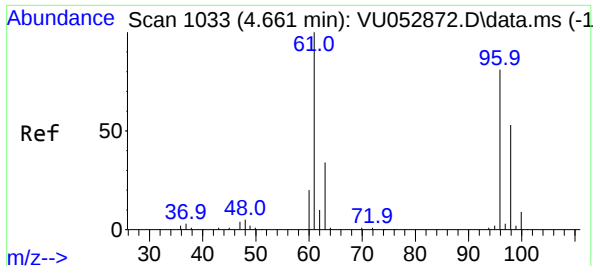


#18
Methyl tert-butyl Ether
Concen: 1.434 ug/L
RT: 3.359 min Scan# 628
Delta R.T. 0.000 min
Lab File: VU052891.D
Acq: 31 Jan 2023 20:01



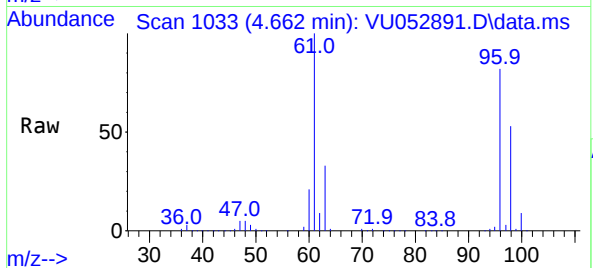
Tgt Ion: 73 Resp: 8281
Ion Ratio Lower Upper
73 100
43 20.6 14.2 21.2
57 9.3 16.3 24.5#





cis-1,2-Dichloroethene
Concen: 691.304 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU052891.D
Acq: 31 Jan 2023 20:01

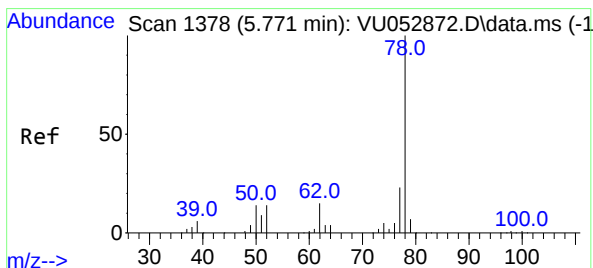
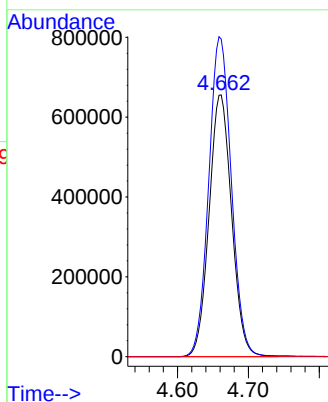
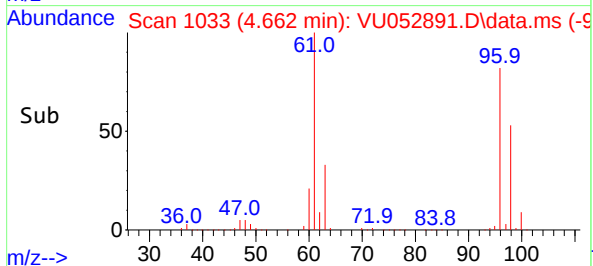
Instrument :
MSVOA_U
ClientSampleId :
A44M9



Tgt Ion: 96 Resp: 1449644
Ion Ratio Lower Upper
96 100
61 121.4 84.1 156.1
68 0.0 0.0 0.0

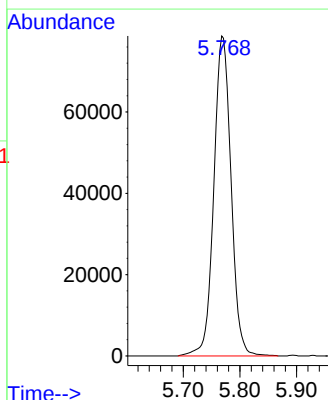
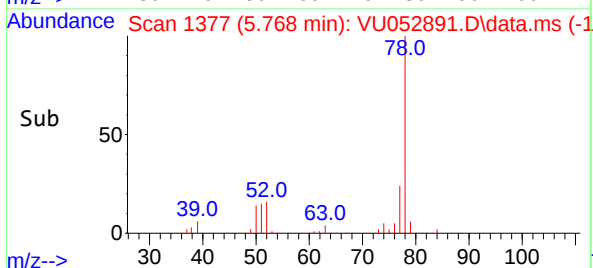
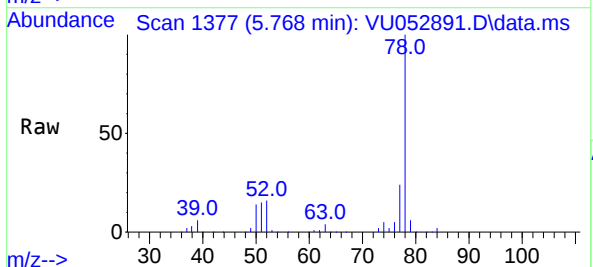
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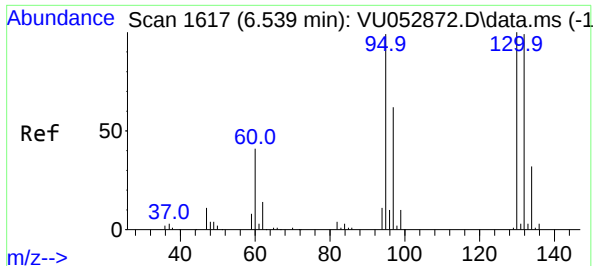
Reviewed By :Krupa Patel 02/01/2023
Supervised By :Mahesh Dadoda 02/01/2023



Benzene
Concen: 20.013 ug/L
RT: 5.768 min Scan# 1377
Delta R.T. -0.003 min
Lab File: VU052891.D
Acq: 31 Jan 2023 20:01

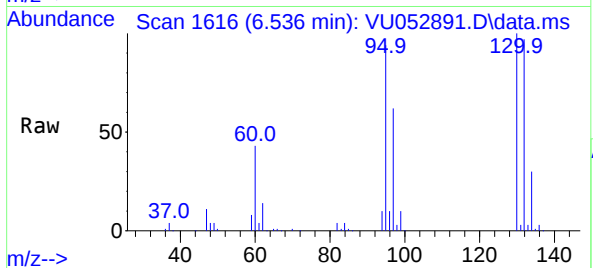
Tgt Ion: 78 Resp: 166160





#34
Trichloroethene
Concen: 49.388 ug/L
RT: 6.536 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU052891.D
Acq: 31 Jan 2023 20:01

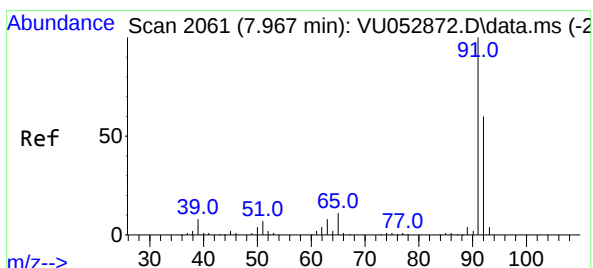
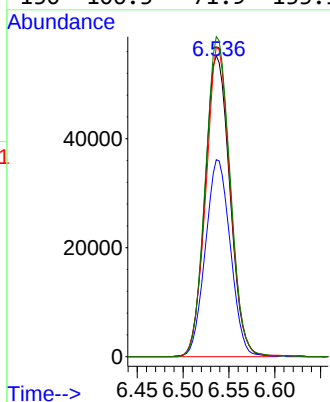
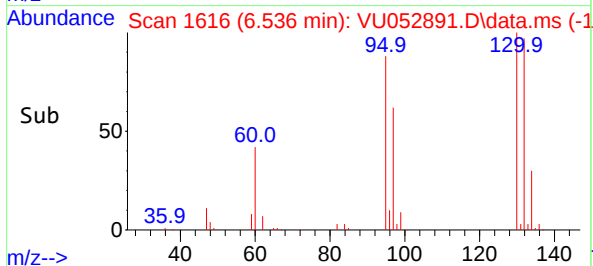
Instrument :
MSVOA_U
ClientSampleId :
A44M9



Tgt Ion: 95 Resp: 104220
Ion Ratio Lower Upper
95 100
97 65.4 44.5 82.7
132 102.9 66.8 124.0
130 106.3 71.9 133.5

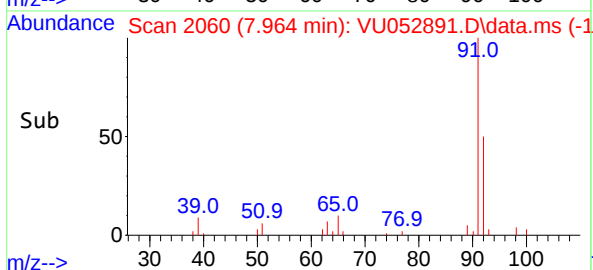
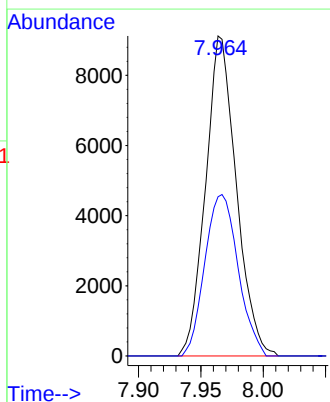
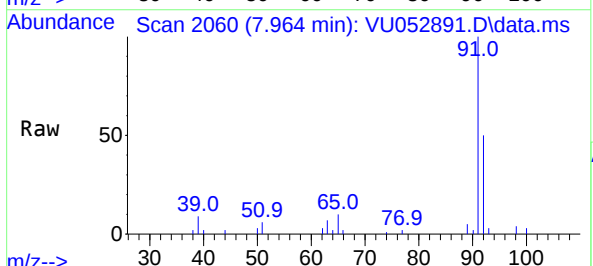
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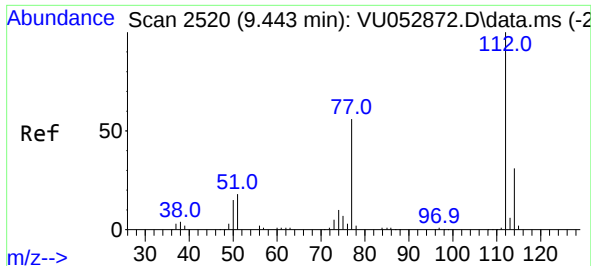
Reviewed By :Krupa Patel 02/01/2023
Supervised By :Mahesh Dadoda 02/01/2023



#42
Toluene
Concen: 1.843 ug/L
RT: 7.964 min Scan# 2060
Delta R.T. -0.003 min
Lab File: VU052891.D
Acq: 31 Jan 2023 20:01

Tgt Ion: 91 Resp: 15681
Ion Ratio Lower Upper
91 100
92 49.7 42.6 79.0





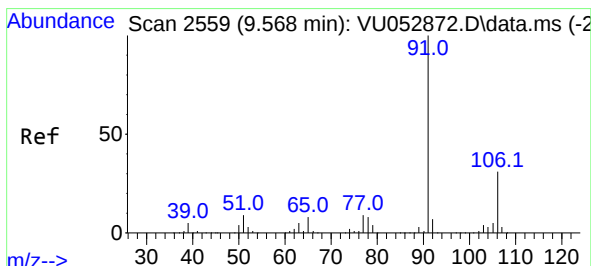
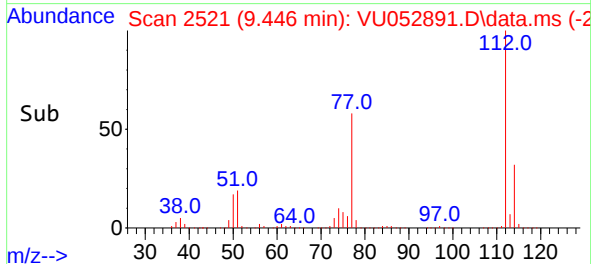
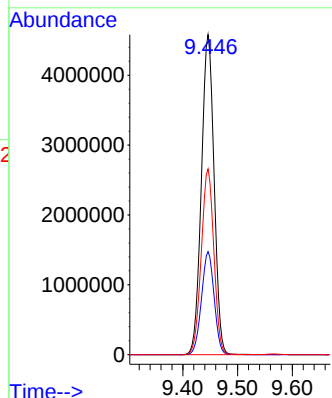
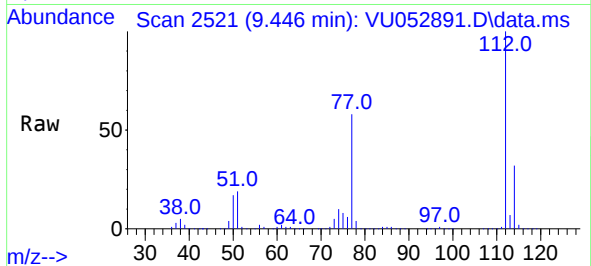
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Chlorobenzene
Concen: 1260.297 ug/L
RT: 9.446 min Scan# 2520
Delta R.T. 0.003 min
Lab File: VU052891.D
Acq: 31 Jan 2023 20:01

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 112 Resp: 737795
Ion Ratio Lower Upper
112 100
114 32.2 22.8 42.4
77 58.1 45.9 68.9

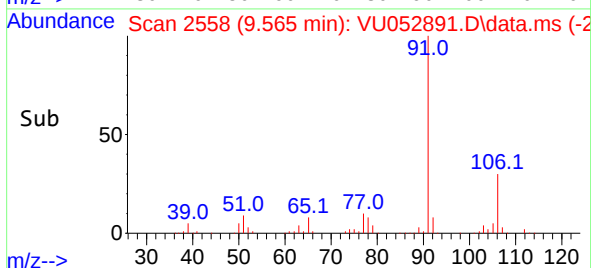
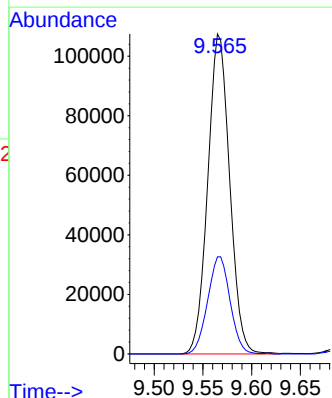
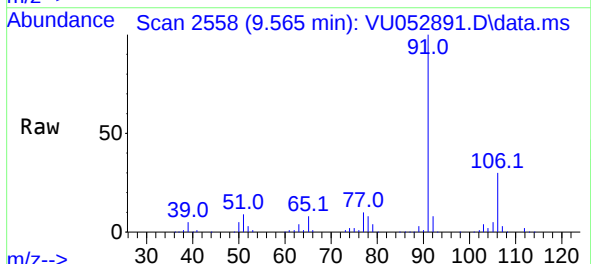
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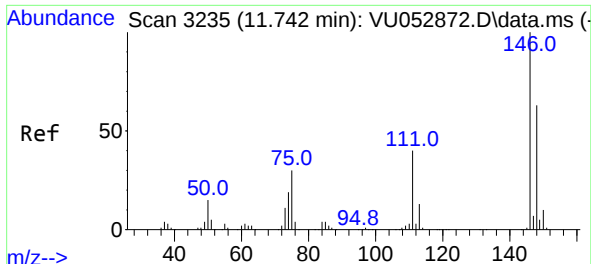
Reviewed By :Krupa Patel 02/01/2023
Supervised By :Mahesh Dadoda 02/01/2023



#52
Ethylbenzene
Concen: 18.473 ug/L
RT: 9.565 min Scan# 2558
Delta R.T. -0.003 min
Lab File: VU052891.D
Acq: 31 Jan 2023 20:01

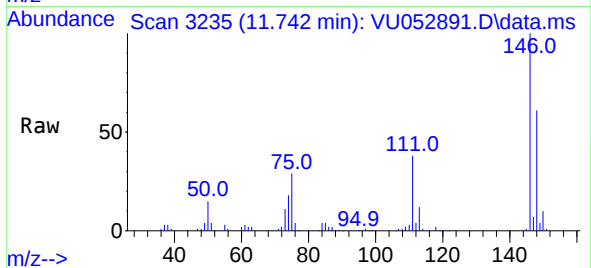
Tgt Ion: 91 Resp: 167978
Ion Ratio Lower Upper
91 100
106 30.3 22.0 40.8





#64
1,3-Dichlorobenzene
Concen: 23.956 ug/L
RT: 11.742 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052891.D
Acq: 31 Jan 2023 20:01

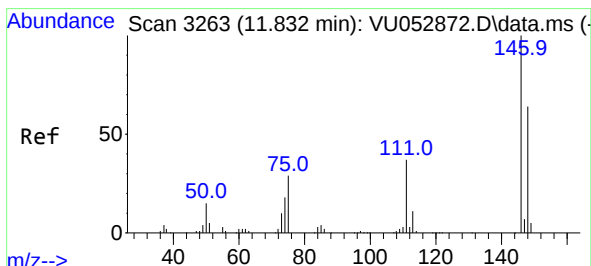
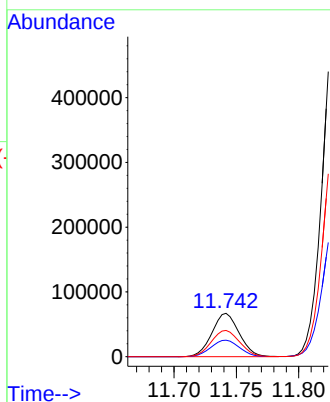
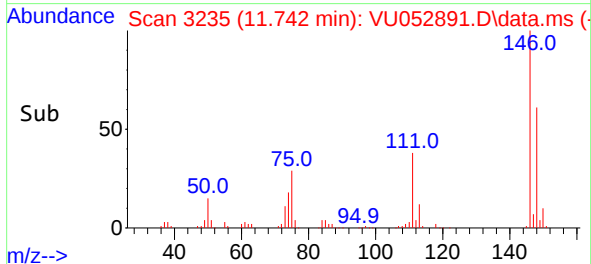
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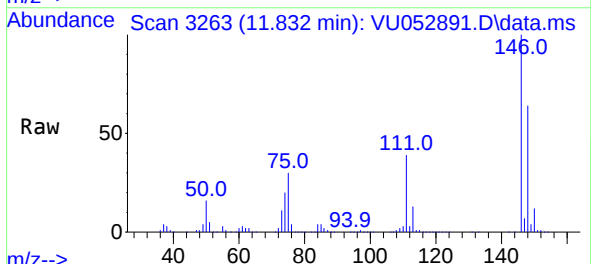
Tgt Ion:146 Resp: 10194
Ion Ratio Lower Upper
146 100
111 38.1 27.8 51.6
148 60.6 45.5 84.5

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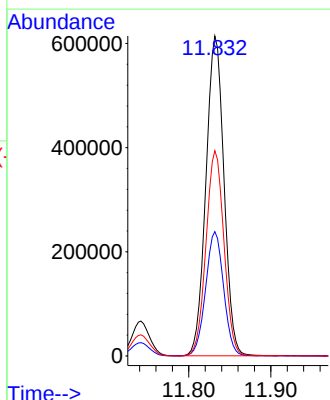
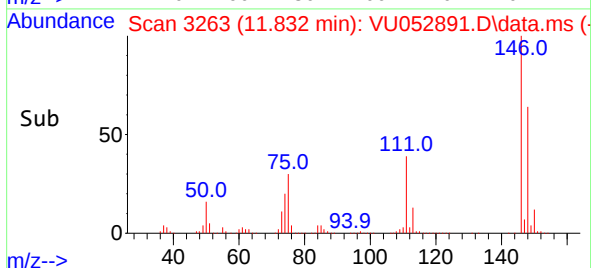
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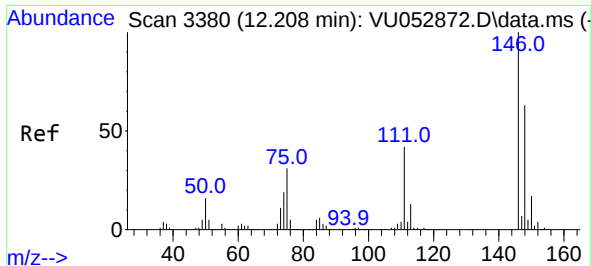


#65
1,4-Dichlorobenzene
Concen: 213.120 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. 0.000 min
Lab File: VU052891.D
Acq: 31 Jan 2023 20:01



Tgt Ion:146 Resp: 938912
Ion Ratio Lower Upper
146 100
111 38.9 26.7 49.7
148 64.2 45.6 84.6





#67

1,2-Dichlorobenzene

Concen: 1281.145 ug/L

RT: 12.211 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU052891.D

Acq: 31 Jan 2023 20:01

Instrument :

MSVOA_U

ClientSampleId :

A44M9

Tgt Ion:146 Resp: 5514554

Ion Ratio Lower Upper

146 100

111 42.1 33.2 49.8

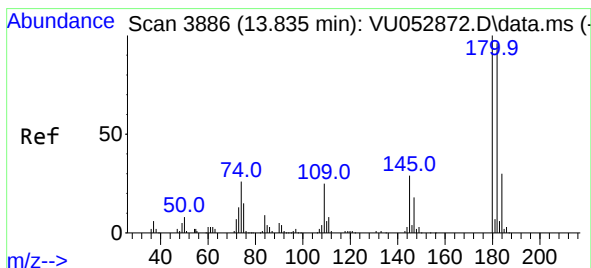
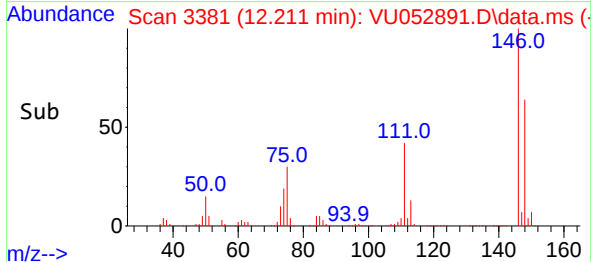
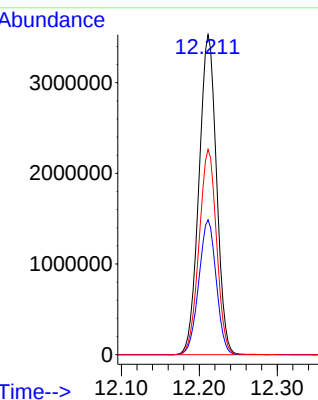
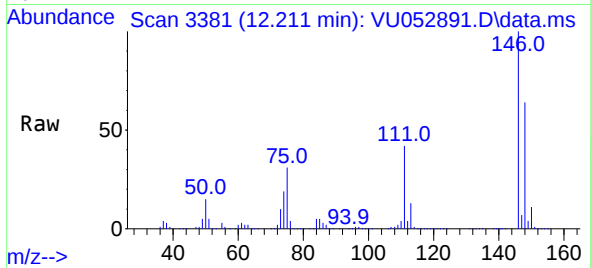
148 64.1 50.2 75.4

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/01/2023

Supervised By :Mahesh Dadoda 02/01/2023



#70

1,2,4-trichlorobenzene

Concen: 235.731 ug/L

RT: 13.835 min Scan# 3886

Delta R.T. 0.000 min

Lab File: VU052891.D

Acq: 31 Jan 2023 20:01

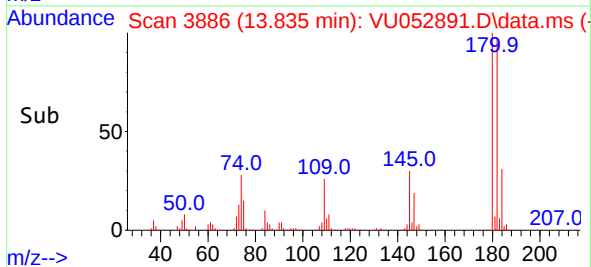
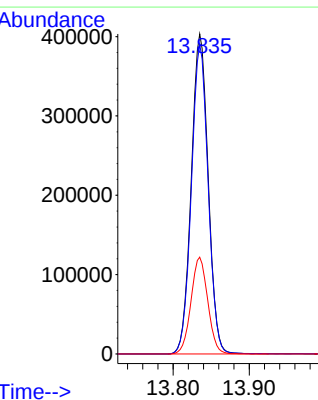
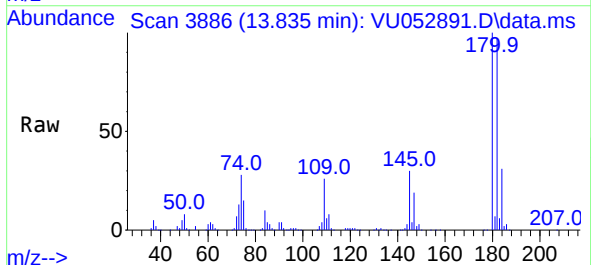
Tgt Ion:180 Resp: 622645

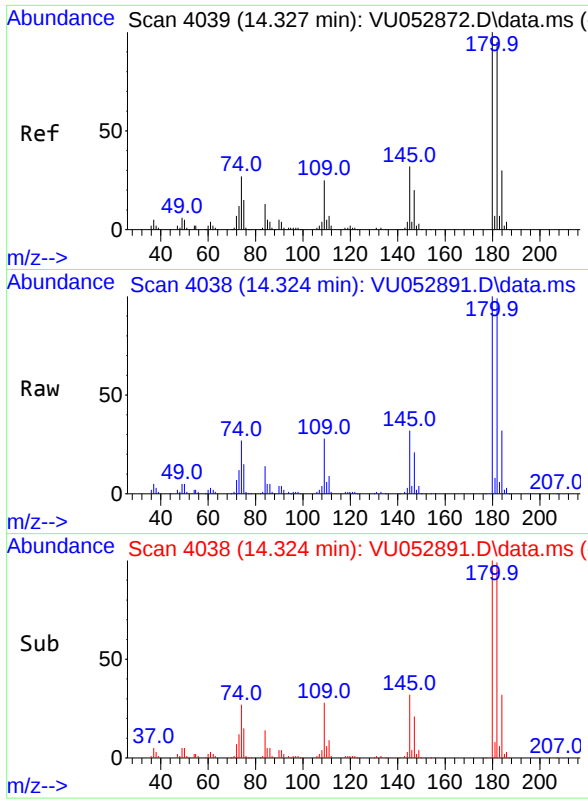
Ion Ratio Lower Upper

180 100

182 95.7 78.2 117.2

145 30.0 23.4 35.2





#72
1,2,3-Trichlorobenzene
Concen: 50.504 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU052891.D
Acq: 31 Jan 2023 20:01

Instrument :
MSVOA_U
ClientSampleId :
A44M9

Tgt Ion:180 Resp: 140978
Ion Ratio Lower Upper
180 100
182 97.6 77.5 116.3
145 31.5 24.2 36.4

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/01/2023
Supervised By :Mahesh Dadoda 02/01/2023

