

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041423\
 Data File : VU053700.D
 Acq On : 13 Apr 2023 22:39
 Operator : JC/MD
 Sample : 02254-14
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AC5

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/14/2023
 Supervised By :Mahesh Dadoda 04/18/2023

Quant Time: Apr 14 02:28:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032423WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 14 02:17:15 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	140409	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	134490	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	68536	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.594	65	51901	5.373	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	107.400%	
7) Chloroethane-d5	1.909	69	40378	4.606	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	92.200%	
11) 1,1-Dichloroethene-d2	2.562	65	23943	5.819	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	116.400%	
20) 2-Butanone-d5	4.623	46	82100	37.102	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	74.200%	
24) Chloroform-d	5.060	84	78894	4.406	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.200%	
26) 1,2-Dichloroethane-d4	5.700	65	36215	3.946	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	79.000%	
32) Benzene-d6	5.726	84	151310	3.970	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	79.400%	
36) 1,2-Dichloropropane-d6	6.687	67	46957	4.043	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	80.800%	
41) Toluene-d8	7.893	98	142447	3.962	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	79.200%	
43) trans-1,3-Dichloroprop...	8.176	79	19076	4.280	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	85.600%	
46) 2-Hexanone-d5	8.629	63	73919	40.833	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	81.660%	
56) 1,1,2,2-Tetrachloroeth...	10.751	84	39167	4.052	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	81.000%	
66) 1,2-Dichlorobenzene-d4	12.189	152	51912	4.210	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	84.200%	
Target Compounds						
5) Vinyl chloride	1.601	62	73464	6.427	ug/L #	1
8) Chloroethane	1.928	64	36780	5.536	ug/L #	69
12) 1,1-Dichloroethene	2.562	96	28031056m	3526.064	ug/L	
14) Carbon disulfide	2.793	76	20850	0.894	ug/L	98
15) Methyl Acetate	2.957	43	2168	0.704	ug/L	95
16) Methylene chloride	3.044	84	7152	0.685	ug/L	91
19) 1,1-Dichloroethane	3.867	63	23227802	1526.984	ug/L	95
21) 2-Butanone	4.713	43	6181m	3.031	ug/L	
22) cis-1,2-Dichloroethene	4.671	96	6578m	0.591	ug/L	
25) Chloroform	5.089	83	60944	3.895	ug/L	100
27) 1,2-Dichloroethane	5.793	62	77842	7.942	ug/L #	94
29) 1,1,1-Trichloroethane	5.305	97	45237053m	3407.049	ug/L	
33) Benzene	5.771	78	4469	0.124	ug/L	100
34) Trichloroethene	6.539	95	1039716	108.346	ug/L	94
42) Toluene	7.967	91	8585	0.218	ug/L	90
45) 1,1,2-Trichloroethane	8.398	97	6341	0.939	ug/L #	84
47) Tetrachloroethene	8.549	164	23807	3.376	ug/L	91

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

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

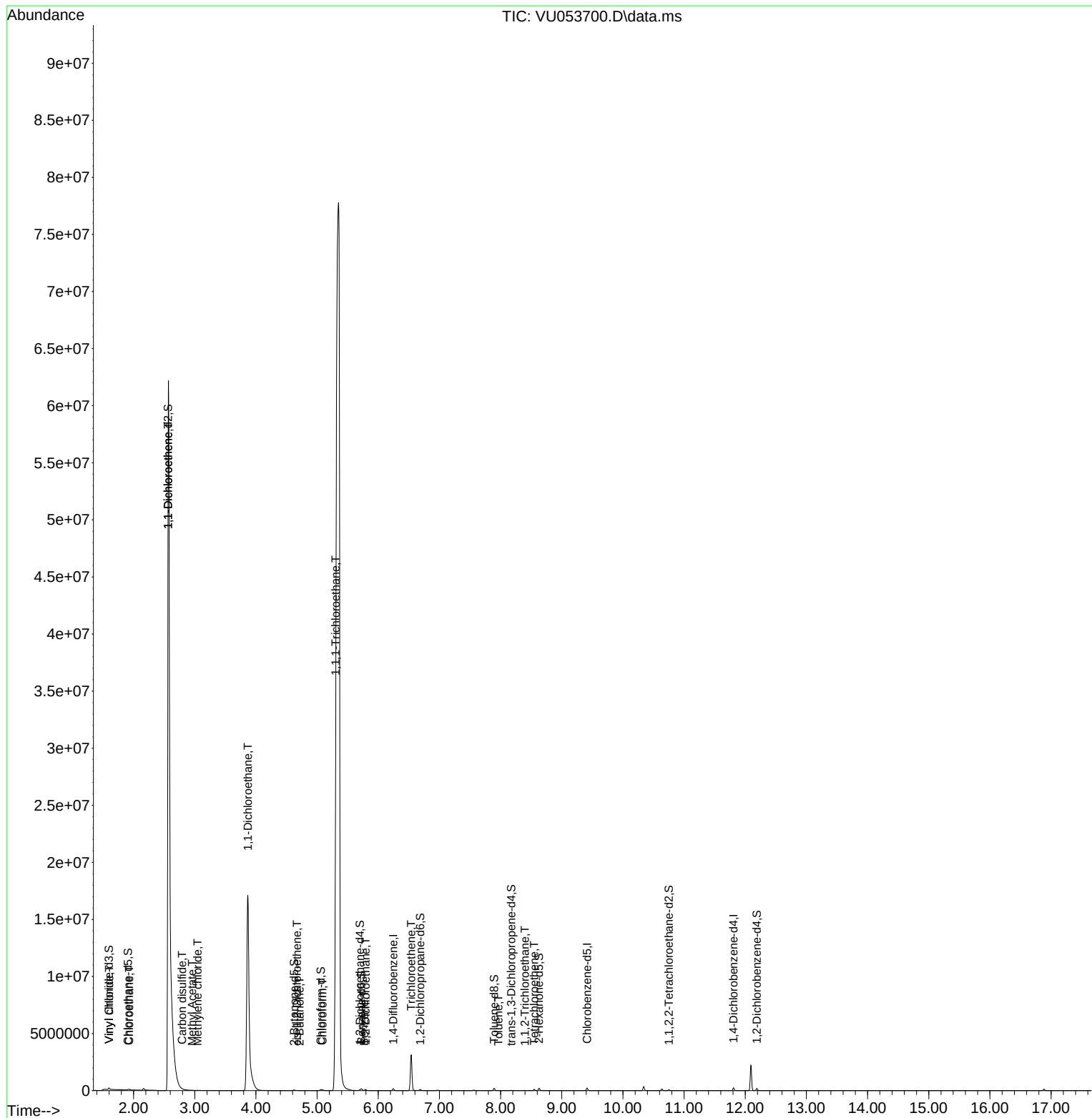
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041423\
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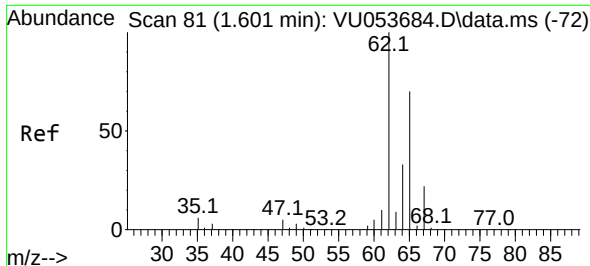
Instrument :
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ClientSampleId :
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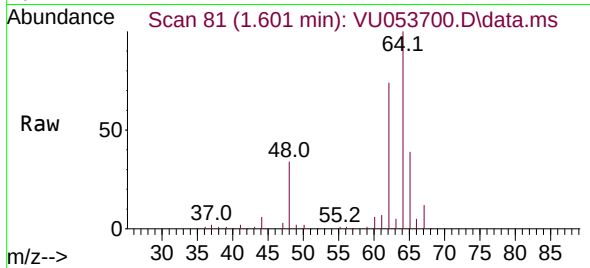
Quant Time: Apr 14 02:28:23 2023
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#5
 Vinyl chloride
 Concen: 6.427 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU053700.D
 Acq: 13 Apr 2023 22:39

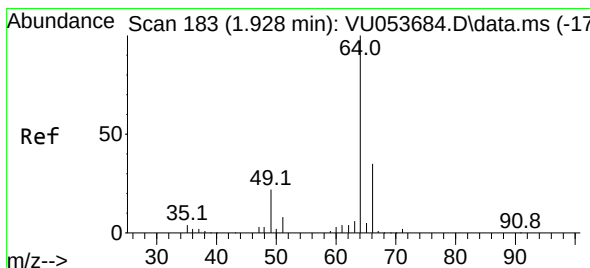
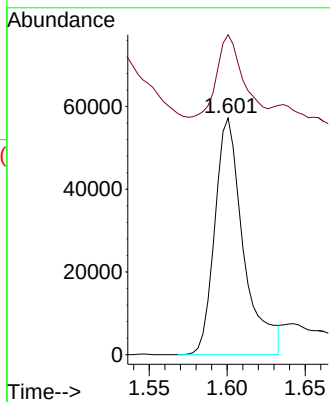
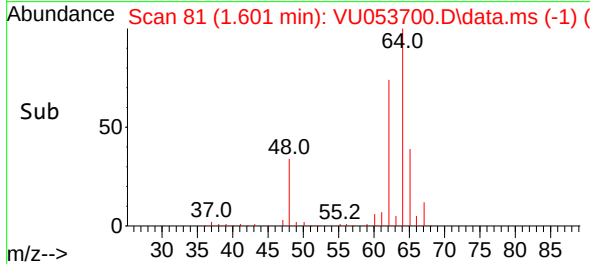
Instrument :
 MSVOA_U
 ClientSampleId :
 C0AC5



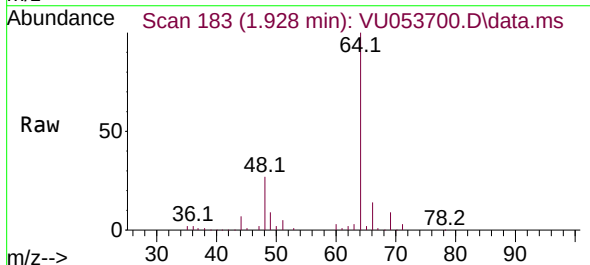
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 Ion Ratio Lower Upper
 62 100
 64 135.3 24.1 44.7

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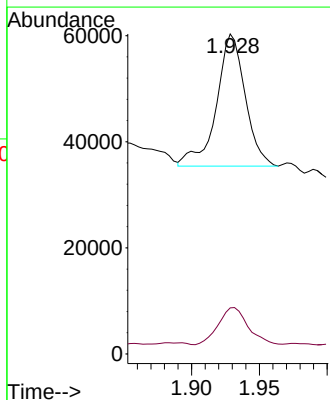
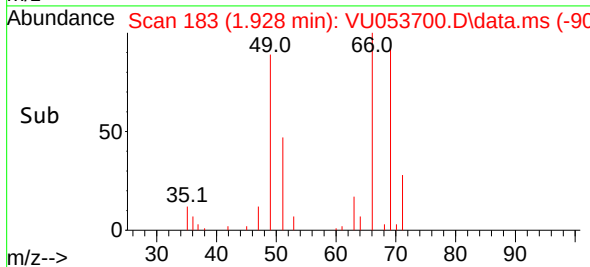
Reviewed By :Krupa Patel 04/14/2023
 Supervised By :Mahesh Dadoda 04/18/2023

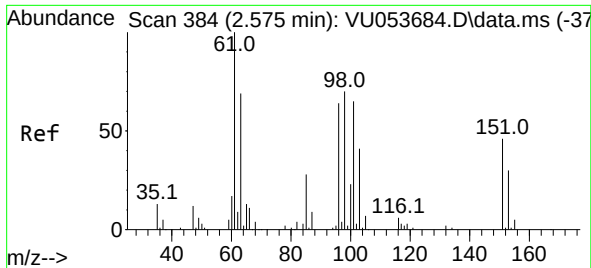


#8
 Chloroethane
 Concen: 5.536 ug/L
 RT: 1.928 min Scan# 183
 Delta R.T. -0.000 min
 Lab File: VU053700.D
 Acq: 13 Apr 2023 22:39



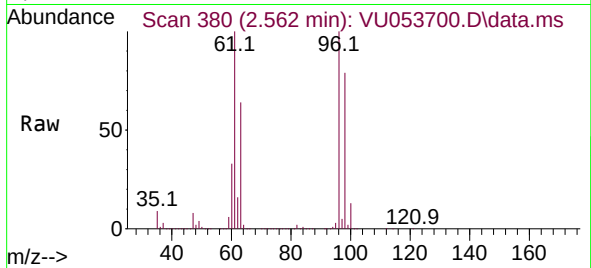
Tgt Ion: 64 Resp: 36780
 Ion Ratio Lower Upper
 64 100
 66 14.4 22.3 41.5





#12
1,1-Dichloroethene
Concen: 3526.064 ug/L m
RT: 2.562 min Scan# 384
Delta R.T. -0.013 min
Lab File: VU053700.D
Acq: 13 Apr 2023 22:39

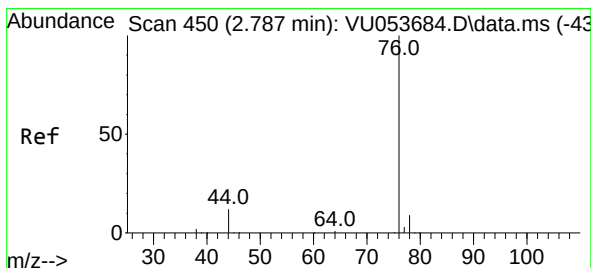
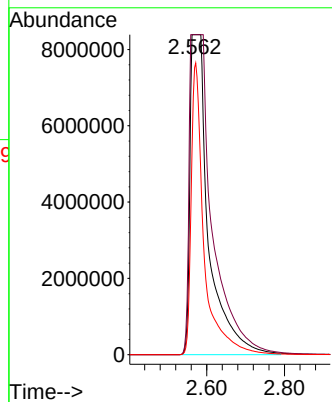
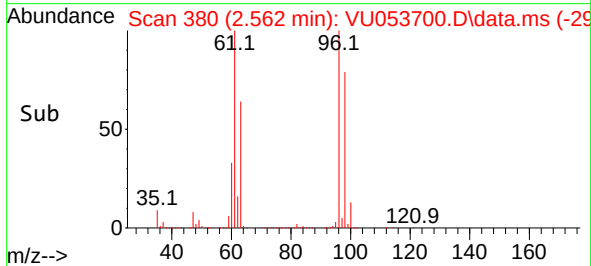
Instrument :
MSVOA_U
ClientSampleId :
C0AC5



Tgt Ion: 96 Resp: 2803105
Ion Ratio Lower Upper
96 100
61 100.0 116.8 216.8
63 64.0 88.6 164.6

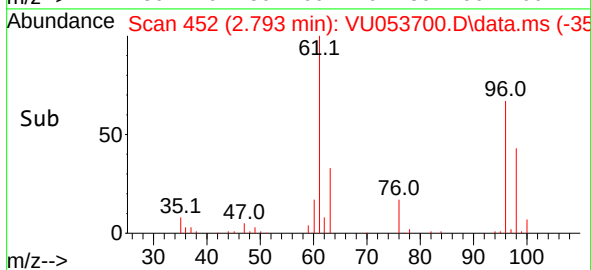
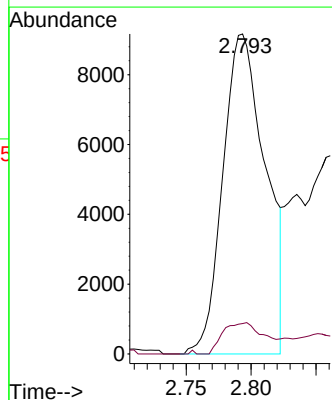
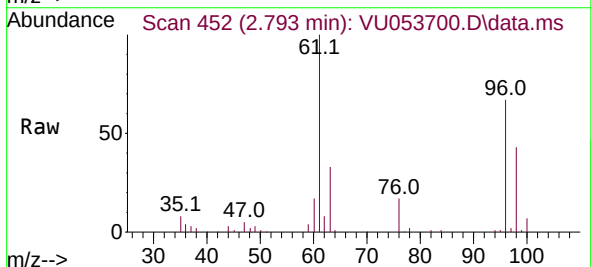
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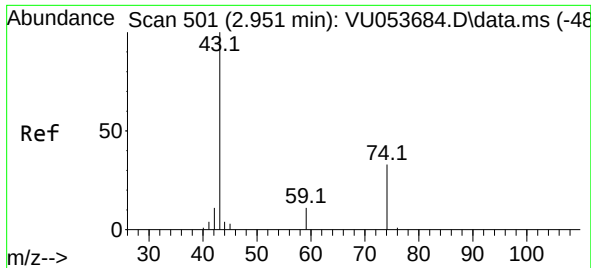
Reviewed By :Krupa Patel 04/14/2023
Supervised By :Mahesh Dadoda 04/18/2023



#14
Carbon disulfide
Concen: 0.894 ug/L
RT: 2.793 min Scan# 452
Delta R.T. 0.006 min
Lab File: VU053700.D
Acq: 13 Apr 2023 22:39

Tgt Ion: 76 Resp: 20850
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.4





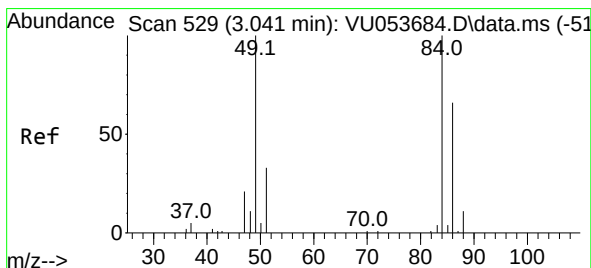
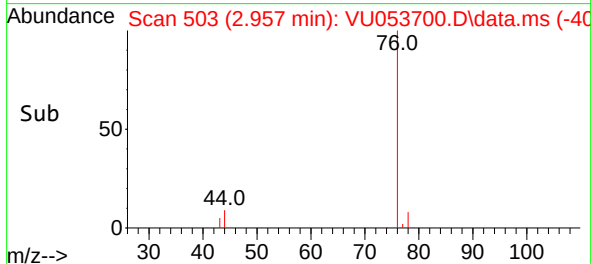
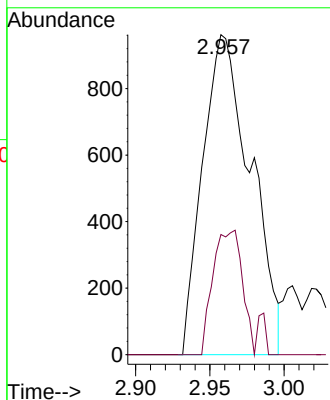
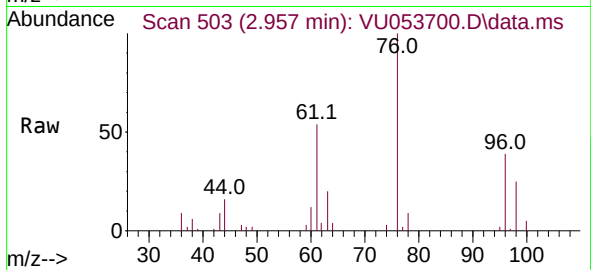
#15
Methyl Acetate
Concen: 0.704 ug/L
RT: 2.957 min Scan# 501
Delta R.T. 0.006 min
Lab File: VU053700.D
Acq: 13 Apr 2023 22:39

Instrument :
MSVOA_U
ClientSampleId :
C0AC5

Tgt Ion: 43 Resp: 2168
Ion Ratio Lower Upper
43 100
74 23.7 20.8 31.2

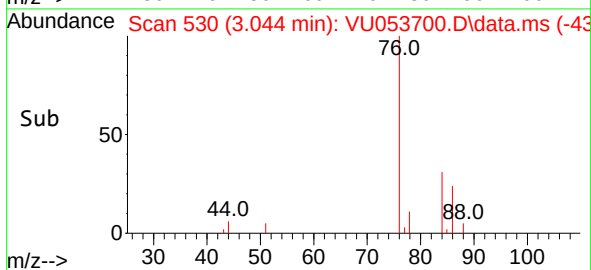
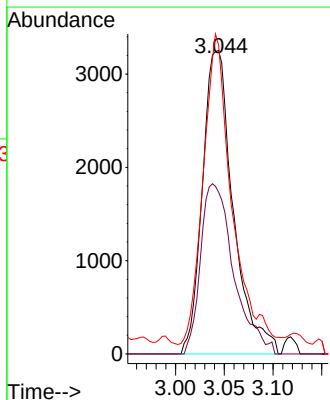
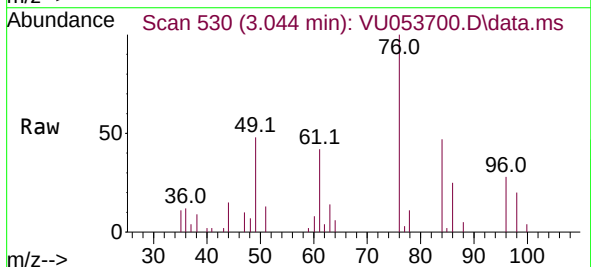
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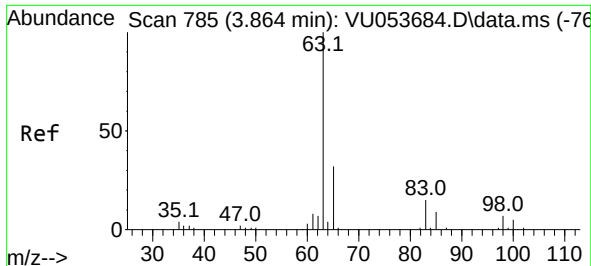
Reviewed By :Krupa Patel 04/14/2023
Supervised By :Mahesh Dadoda 04/18/2023



#16
Methylene chloride
Concen: 0.685 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.003 min
Lab File: VU053700.D
Acq: 13 Apr 2023 22:39

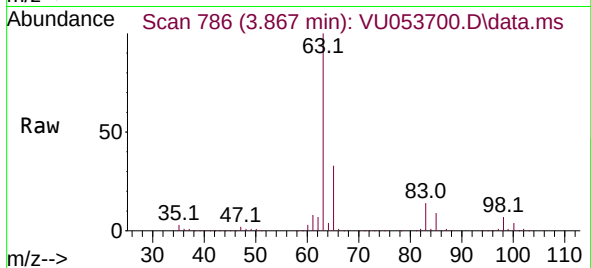
Tgt Ion: 84 Resp: 7152
Ion Ratio Lower Upper
84 100
86 53.2 44.7 83.1
49 101.7 75.5 140.1





#19
1,1-Dichloroethane
Concen: 1526.984 ug/L
RT: 3.867 min Scan# 785
Delta R.T. 0.003 min
Lab File: VU053700.D
Acq: 13 Apr 2023 22:39

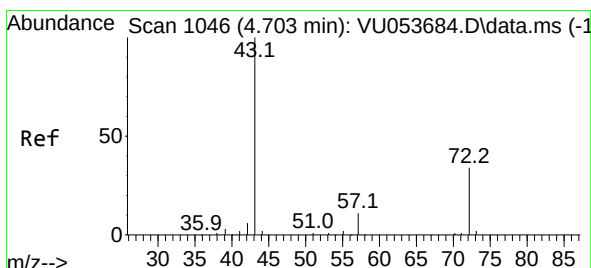
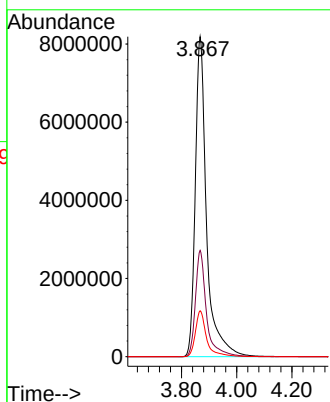
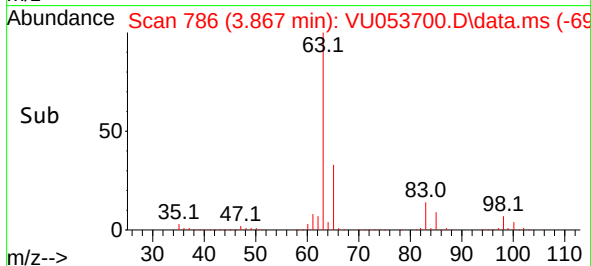
Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 63 Resp: 2322780
Ion Ratio Lower Upper
63 100
65 33.2 21.7 40.3
83 14.3 8.1 15.1

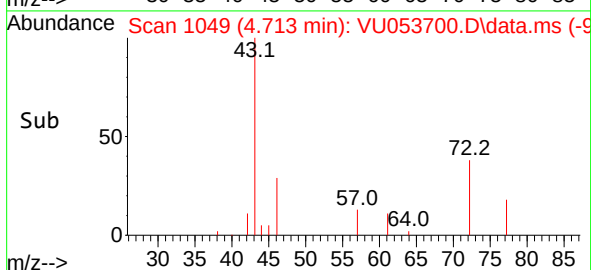
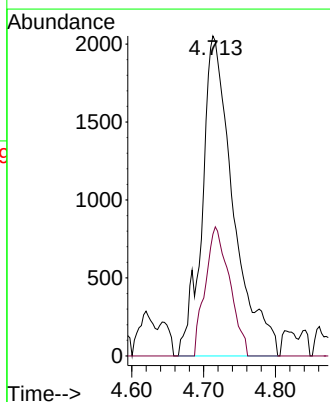
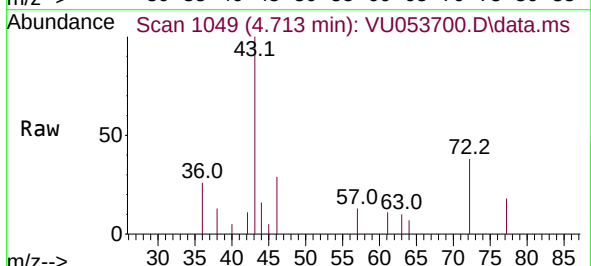
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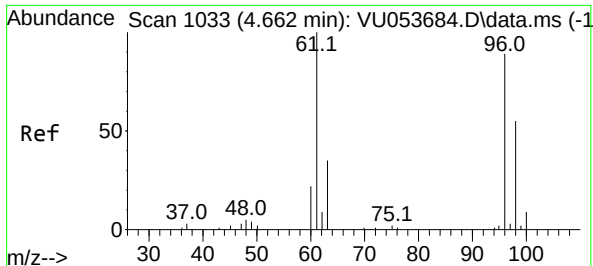
Reviewed By :Krupa Patel 04/14/2023
Supervised By :Mahesh Dadoda 04/18/2023



#21
2-Butanone
Concen: 3.031 ug/L m
RT: 4.713 min Scan# 1049
Delta R.T. 0.010 min
Lab File: VU053700.D
Acq: 13 Apr 2023 22:39

Tgt Ion: 43 Resp: 6181
Ion Ratio Lower Upper
43 100
72 31.5 16.2 48.6





#22

cis-1,2-Dichloroethene

Concen: 0.591 ug/L m

RT: 4.671 min Scan# 1036

Delta R.T. 0.010 min

Lab File: VU053700.D

Acq: 13 Apr 2023 22:39

Instrument :

MSVOA_U

ClientSampleId :

C0AC5

Tgt Ion: 96 Resp: 6578

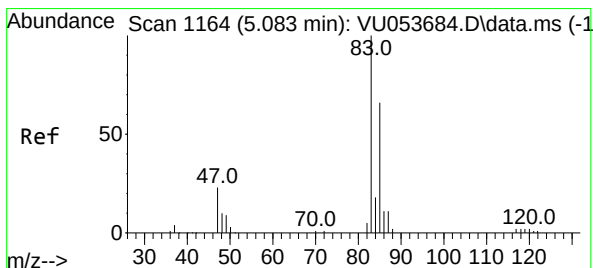
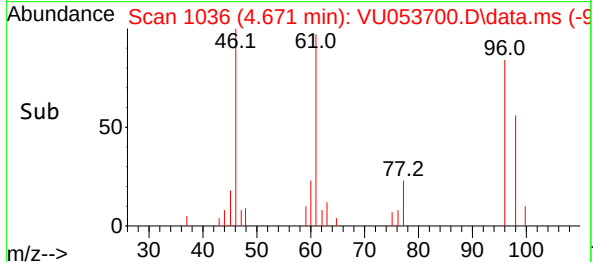
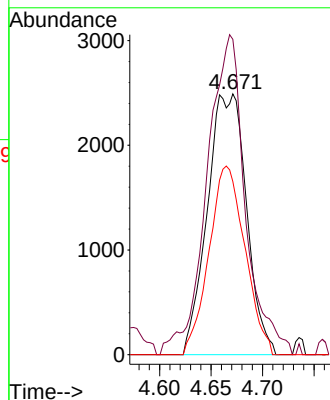
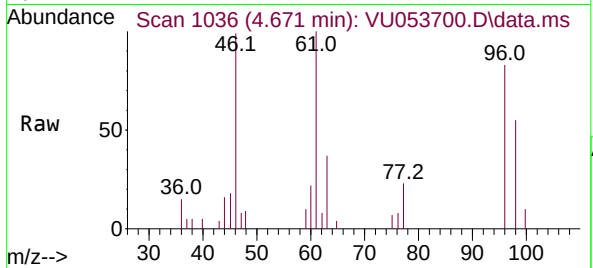
Ion	Ratio	Lower	Upper
96	100		
61	121.0	86.6	160.8
98	66.4	47.7	88.5

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#25

Chloroform

Concen: 3.895 ug/L

RT: 5.089 min Scan# 1166

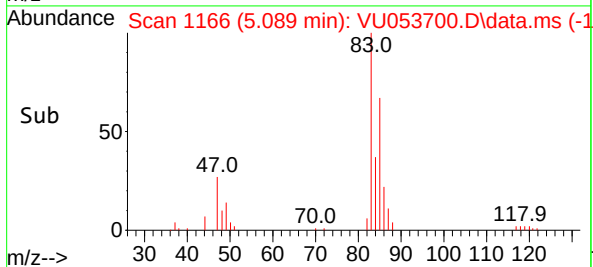
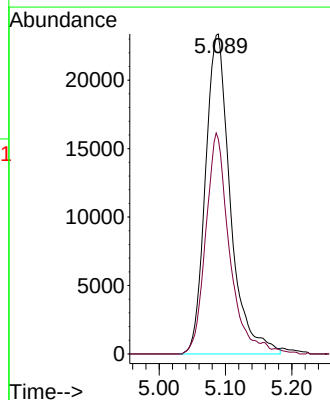
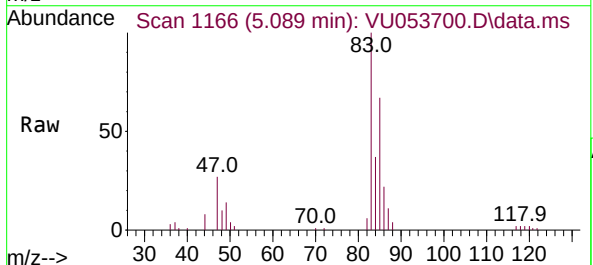
Delta R.T. 0.006 min

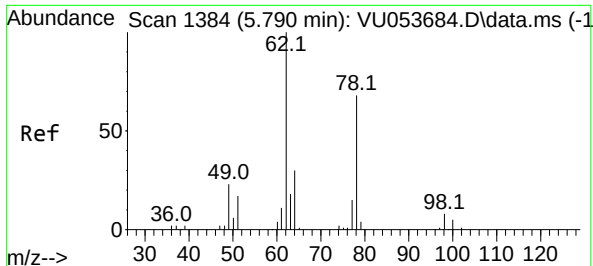
Lab File: VU053700.D

Acq: 13 Apr 2023 22:39

Tgt Ion: 83 Resp: 60944

Ion	Ratio	Lower	Upper
83	100		
85	67.3	47.3	87.9





#27

1,2-Dichloroethane

Concen: 7.942 ug/L

RT: 5.793 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU053700.D

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C0AC5

Tgt Ion: 62 Resp: 7784

Ion Ratio Lower Upper

62 100

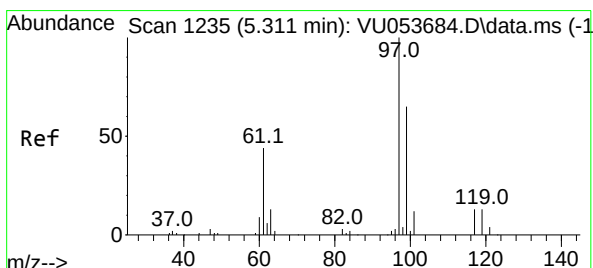
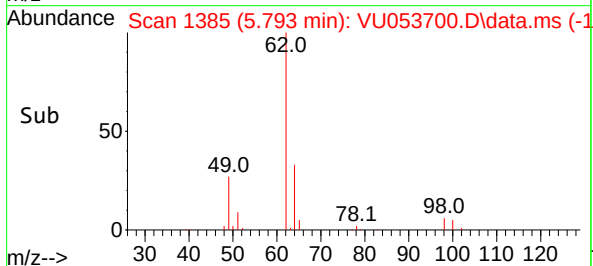
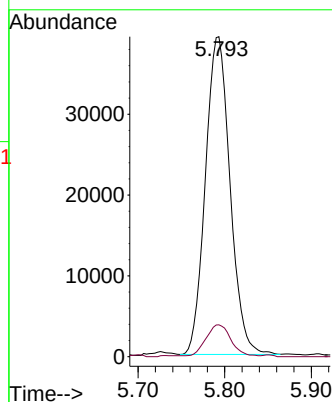
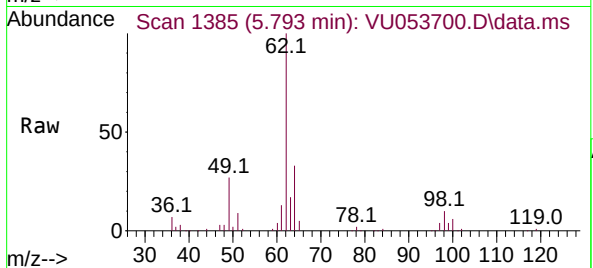
98 10.0 6.4 9.6

Manual Integrations

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Supervised By :Mahesh Dadoda 04/18/2023



#29

1,1,1-Trichloroethane

Concen: 3407.049 ug/L m

RT: 5.305 min Scan# 1233

Delta R.T. -0.006 min

Lab File: VU053700.D

Acq: 13 Apr 2023 22:39

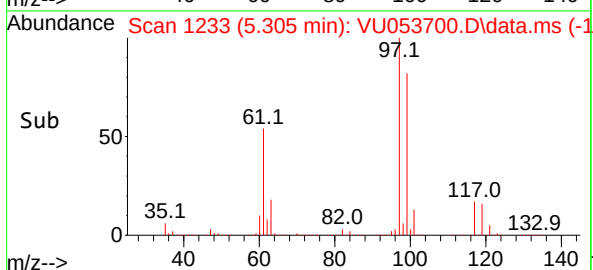
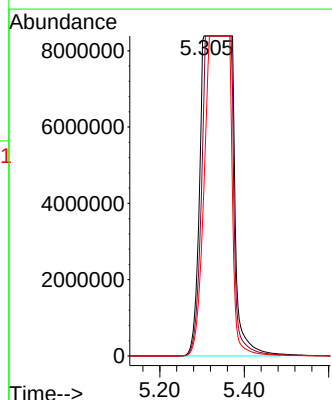
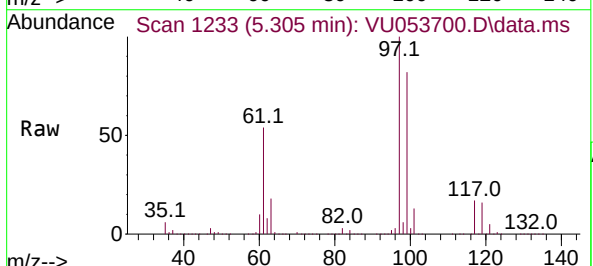
Tgt Ion: 97 Resp:45237053

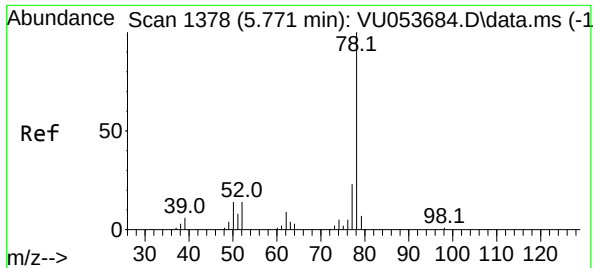
Ion Ratio Lower Upper

97 100

99 0.0 49.9 74.9#

61 0.0 35.7 53.5#





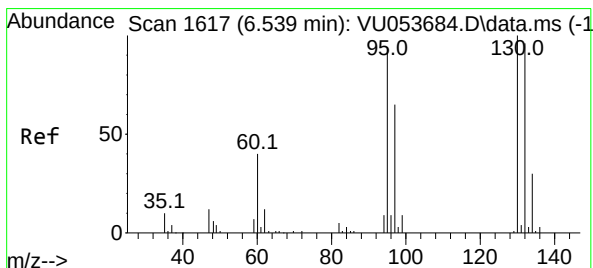
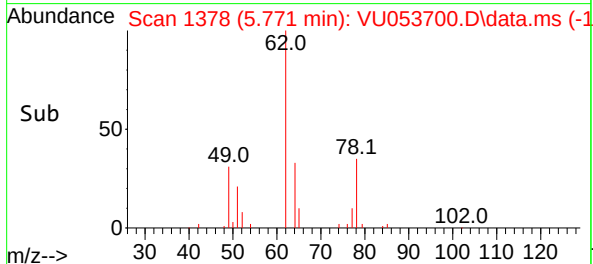
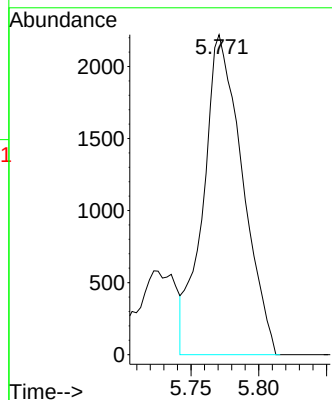
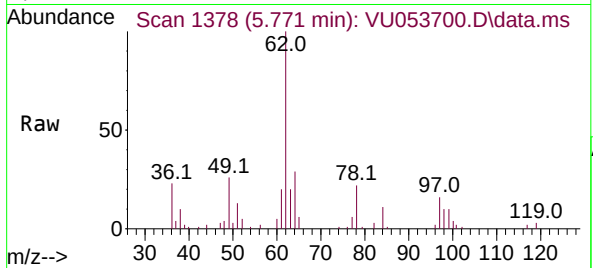
#33
Benzene
Concen: 0.124 ug/L
RT: 5.771 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU053700.D
Acq: 13 Apr 2023 22:39

Instrument :
MSVOA_U
ClientSampleId :
C0AC5

Tgt Ion: 78 Resp: 4469

Manual Integrations
APPROVED

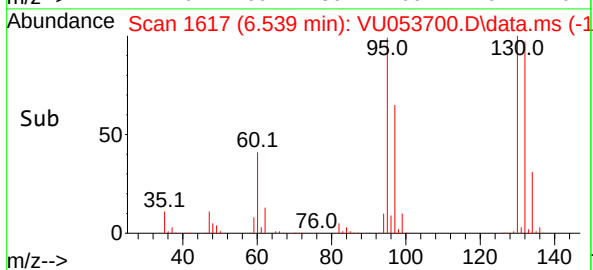
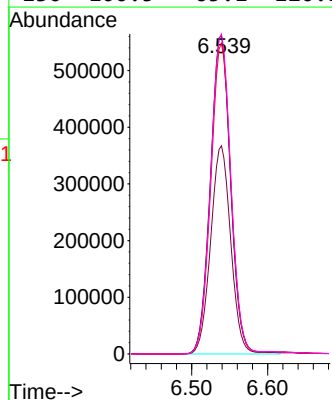
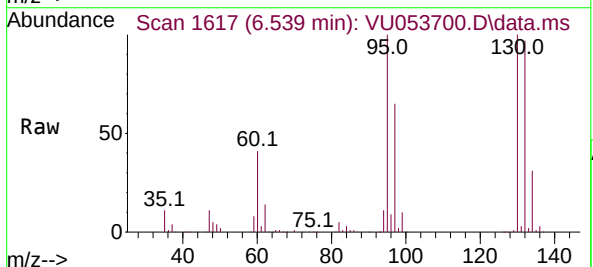
Reviewed By :Krupa Patel 04/14/2023
Supervised By :Mahesh Dadoda 04/18/2023

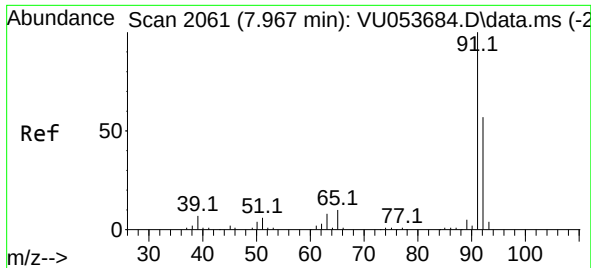


#34
Trichloroethene
Concen: 108.346 ug/L
RT: 6.539 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VU053700.D
Acq: 13 Apr 2023 22:39

Tgt Ion: 95 Resp: 1039716

Ion	Ratio	Lower	Upper
95	100		
97	65.4	45.3	84.1
132	97.6	62.8	116.6
130	100.5	65.1	120.9





#42

Toluene

Concen: 0.218 ug/L

RT: 7.967 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VU053700.D

Acq: 13 Apr 2023 22:39

Instrument :

MSVOA_U

ClientSampleId :

C0AC5

Tgt Ion: 91 Resp: 858

Ion Ratio Lower Upper

91 100

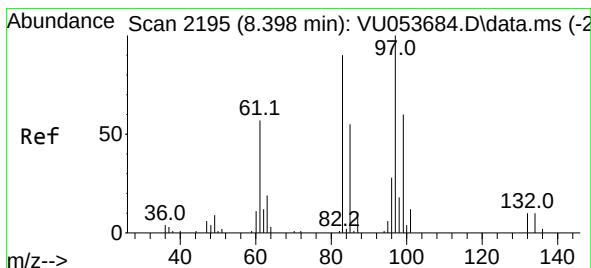
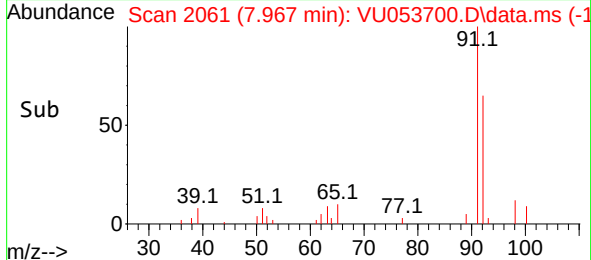
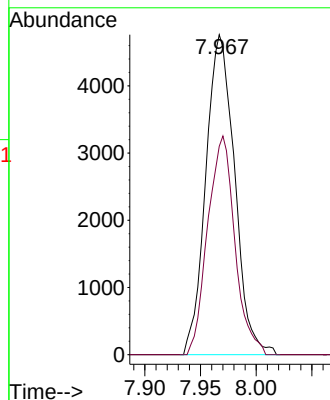
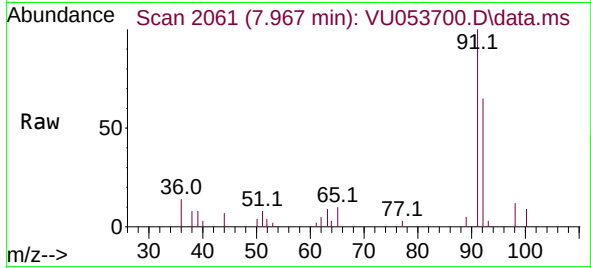
92 65.1 40.4 75.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/14/2023

Supervised By :Mahesh Dadoda 04/18/2023



#45

1,1,2-Trichloroethane

Concen: 0.939 ug/L

RT: 8.398 min Scan# 2195

Delta R.T. -0.000 min

Lab File: VU053700.D

Acq: 13 Apr 2023 22:39

Tgt Ion: 97 Resp: 6341

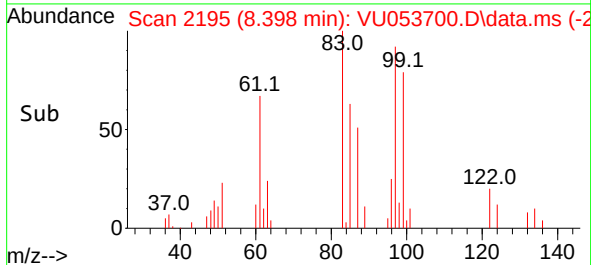
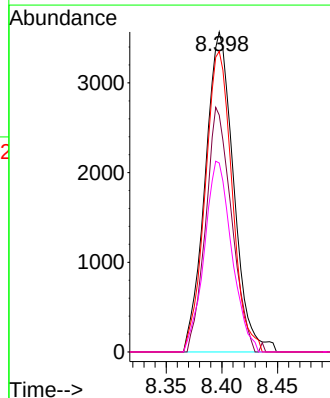
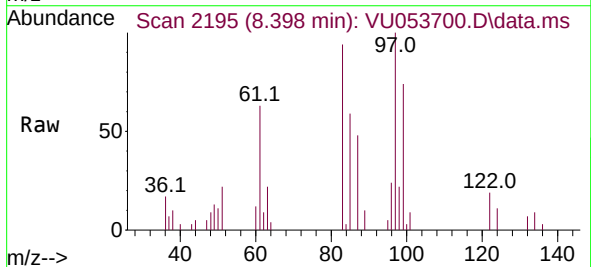
Ion Ratio Lower Upper

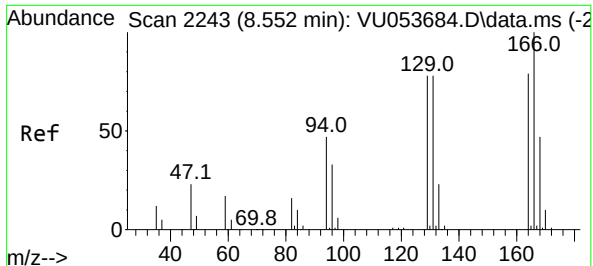
97 100

99 74.0 38.9 72.2#

83 93.9 57.6 107.0

85 59.1 36.2 67.2





#47

Tetrachloroethene

Concen: 3.376 ug/L

RT: 8.549 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU053700.D

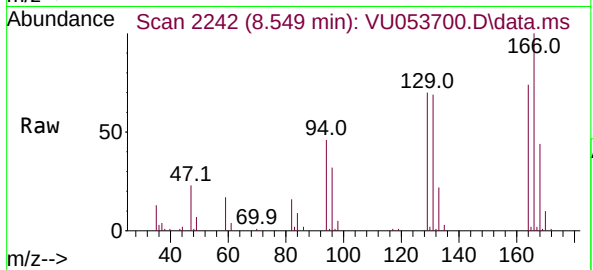
Acq: 13 Apr 2023 22:39

Instrument :

MSVOA_U

ClientSampleId :

C0AC5



Tgt Ion:164 Resp: 2380

Ion Ratio Lower Upper

164 100

129 94.0 74.8 138.8

131 93.3 70.1 130.1

166 135.1 87.3 162.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 04/14/2023

Supervised By :Mahesh Dadoda 04/18/2023

