

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU090123\
 Data File : VU055067.D
 Acq On : 02 Sep 2023 02:21
 Operator : MD/SY
 Sample : 04250-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4A3

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/04/2023
 Supervised By : Mahesh Dadoda 09/05/2023

Quant Time: Sep 02 04:11:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR090123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 02 00:23:04 2023
 Response via : Initial Calibration

09/04/2023
 Supervised By : Mahesh
 Dadoda

09/05/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	192984	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	193498	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	99179	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.596	65	42054	4.650	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.000%
7) Chloroethane-d5	1.911	69	49608	4.738	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.800%
11) 1,1-Dichloroethene-d2	2.563	65	24829	4.818	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.400%
20) 2-Butanone-d5	4.631	46	159590	60.802	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	121.600%
24) Chloroform-d	5.059	84	121034	5.043	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.800%
26) 1,2-Dichloroethane-d4	5.698	65	62911	5.239	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.800%
32) Benzene-d6	5.724	84	239906	5.023	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.400%
36) 1,2-Dichloropropane-d6	6.689	67	78867	5.192	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.800%
41) Toluene-d8	7.894	98	217938	4.953	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
43) trans-1,3-Dichloroprop...	8.177	79	21306	5.093	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.800%
46) 2-Hexanone-d5	8.631	63	97919	57.652	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.300%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	58165	5.444	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	75773	5.234	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.600%

Target Compounds

						Qvalue
5) Vinyl chloride	1.602	62	31242	2.594	ug/L	100
9) Trichlorofluoromethane	2.136	101	2299	0.131	ug/L	97
12) 1,1-Dichloroethene	2.576	96	27700	3.105	ug/L #	76
17) Methyl tert-butyl Ether	3.361	73	93629	4.001	ug/L	99
18) trans-1,2-Dichloroethene	3.351	96	26997	2.982	ug/L	93
19) 1,1-Dichloroethane	3.869	63	9609	0.491	ug/L #	95
22) cis-1,2-Dichloroethene	4.660	96	4529476	408.774	ug/L	97
25) Chloroform	5.087	83	32945	1.617	ug/L	98
31) Carbon tetrachloride	5.522	117	8054	0.579	ug/L	91
33) Benzene	5.772	78	19706	0.479	ug/L	100
34) Trichloroethene	6.534	95	24272453m	2120.741	ug/L	
45) 1,1,2-Trichloroethane	8.399	97	13053	1.728	ug/L	96
47) Tetrachloroethene	8.550	164	86288	10.908	ug/L	98
51) Chlorobenzene	9.444	112	48133	1.655	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	21476	0.967	ug/L	95
65) 1,4-Dichlorobenzene	11.833	146	33884	1.531	ug/L	94
67) 1,2-Dichlorobenzene	12.209	146	17030	0.818	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	76348	4.853	ug/L	98
72) 1,2,3-Trichlorobenzene	14.328	180	33061	2.421	ug/L	97

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

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

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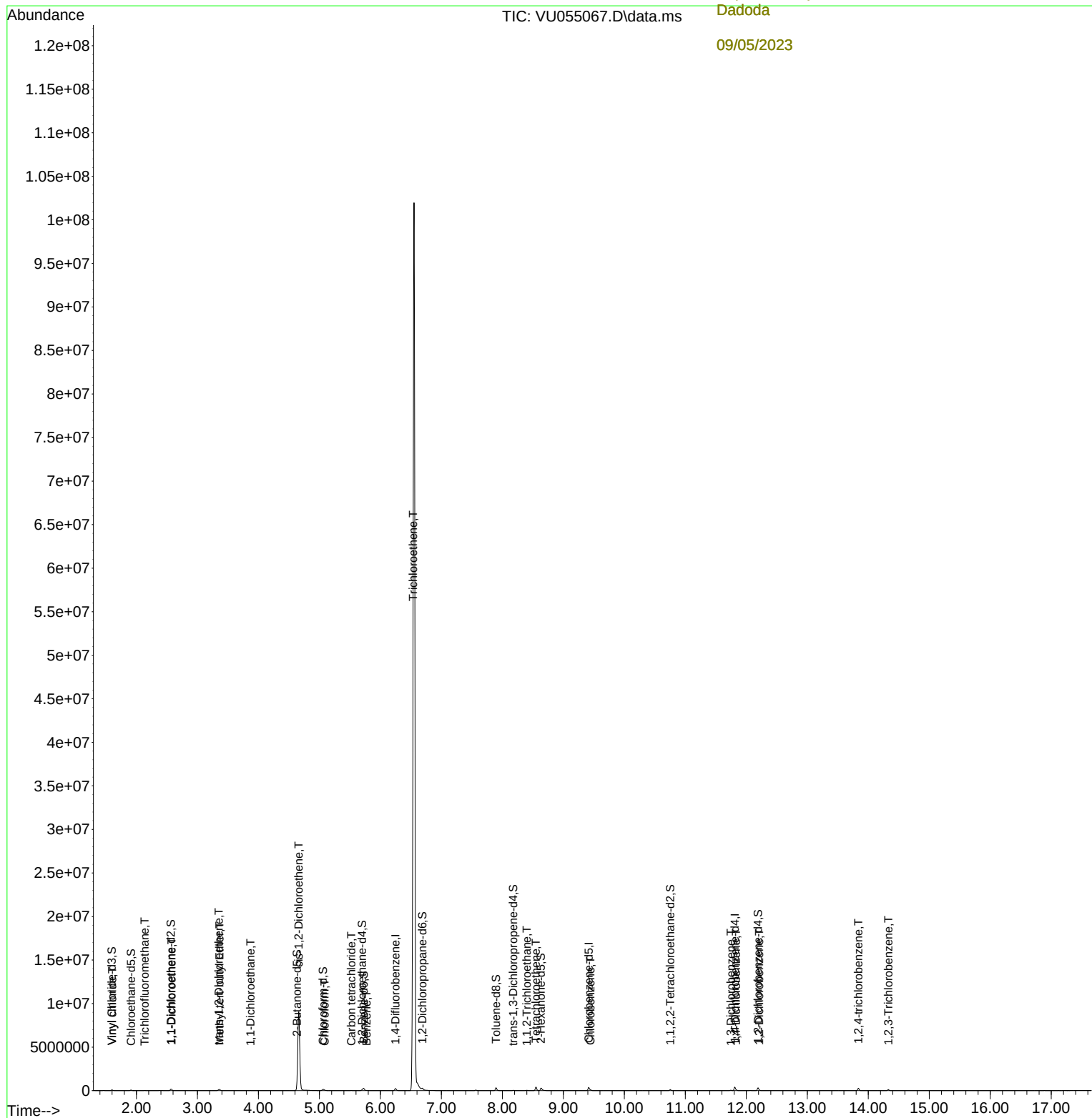
Manual Integrations
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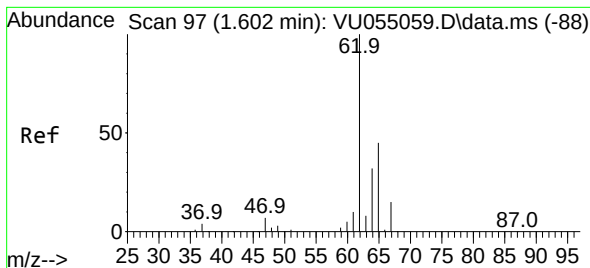
Reviewed By :Semsettin Yesilyurt 09/04/2023
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#5

Vinyl chloride

Concen: 2.594 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU055067.D

Acq: 02 Sep 2023 02:21

Instrument :

MSVOA_U

ClientSampleId :

BH4A3

Tgt Ion: 62 Resp: 3124

Ion Ratio Lower Upper

62 100

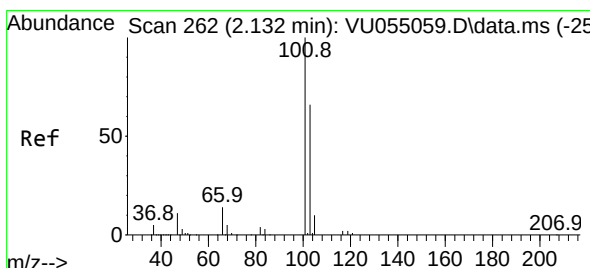
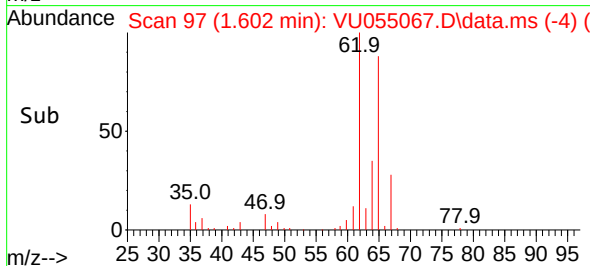
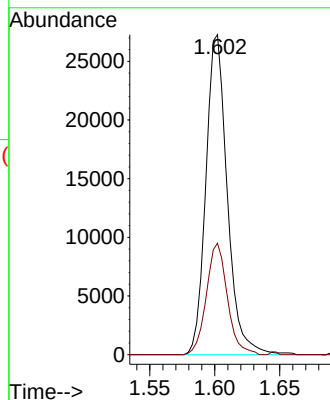
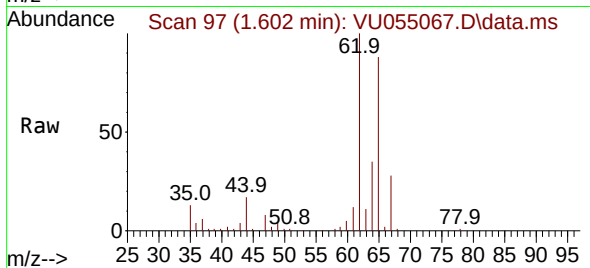
64 34.9 24.2 45.0

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#9

Trichlorofluoromethane

Concen: 0.131 ug/L

RT: 2.136 min Scan# 263

Delta R.T. 0.003 min

Lab File: VU055067.D

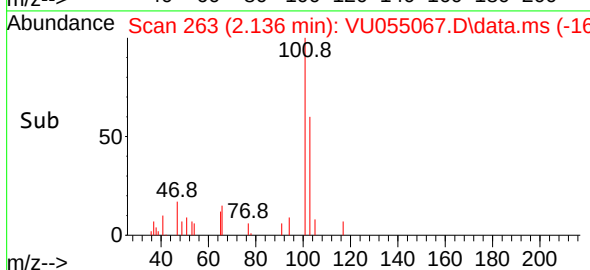
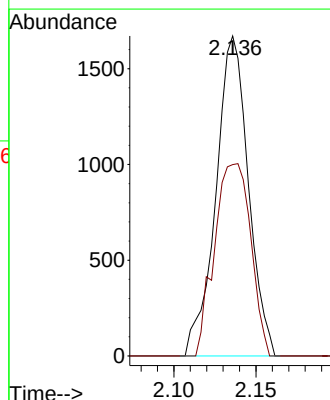
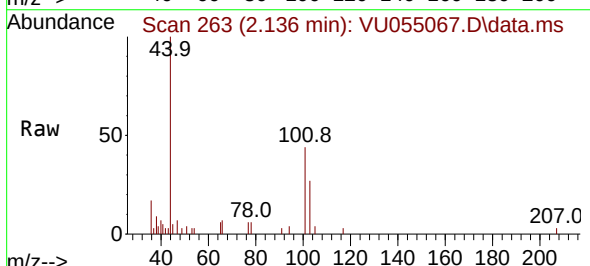
Acq: 02 Sep 2023 02:21

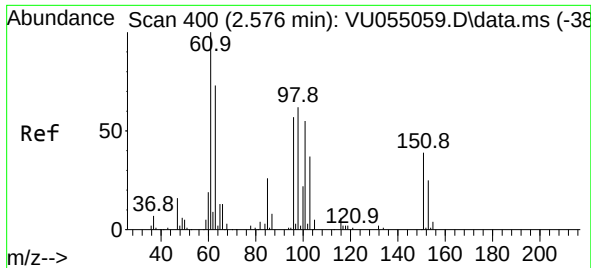
Tgt Ion:101 Resp: 2299

Ion Ratio Lower Upper

101 100

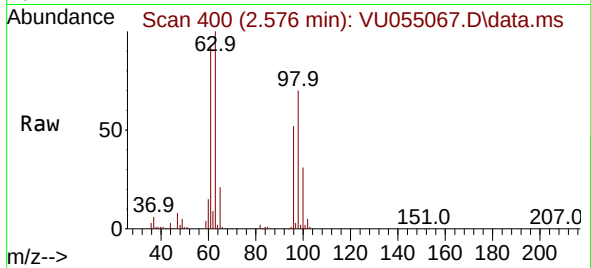
103 67.1 51.9 77.9





#12
1,1-Dichloroethene
Concen: 3.105 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU055067.D
Acq: 02 Sep 2023 02:21

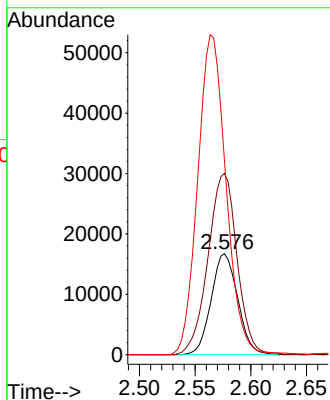
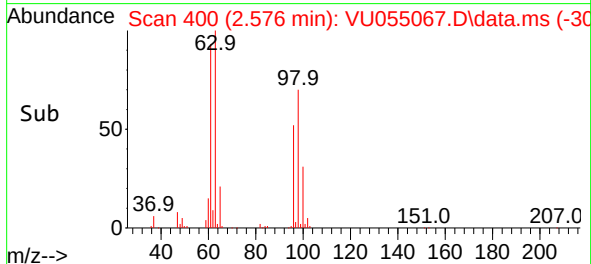
Instrument :
MSVOA_U
ClientSampleId :
BH4A3



Tgt Ion: 96 Resp: 27700
Ion Ratio Lower Upper
96 100
61 179.7 120.8 224.4
63 192.3 94.5 175.5

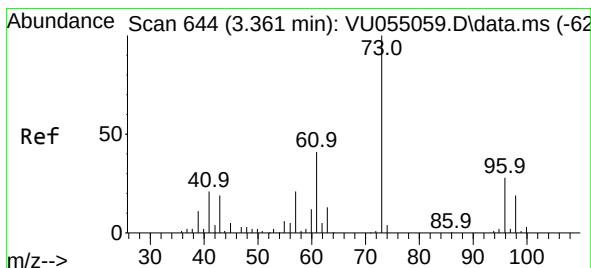
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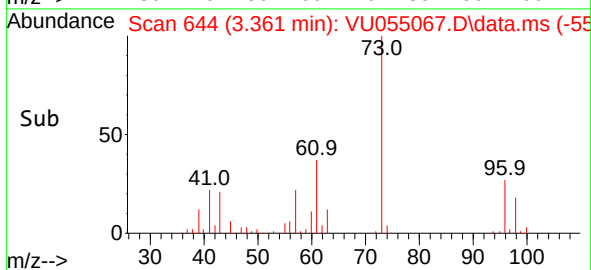
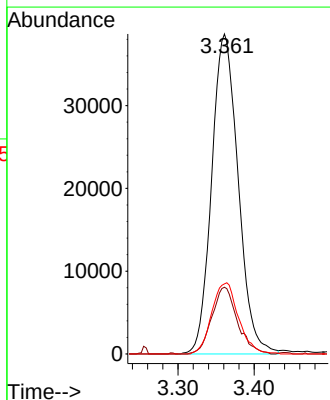
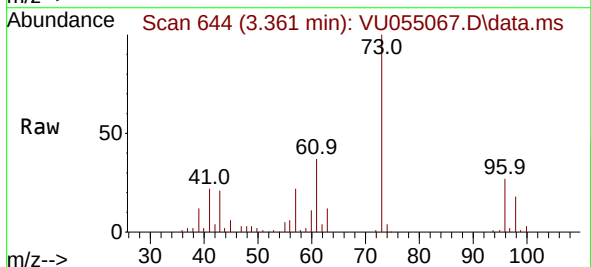
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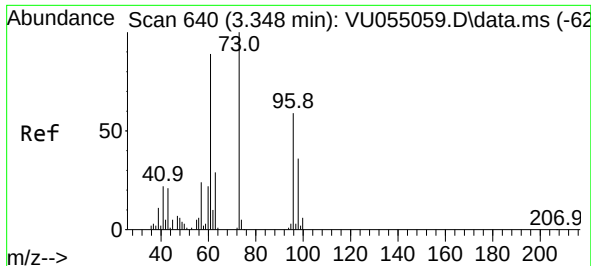
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#17
Methyl tert-butyl Ether
Concen: 4.001 ug/L
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU055067.D
Acq: 02 Sep 2023 02:21

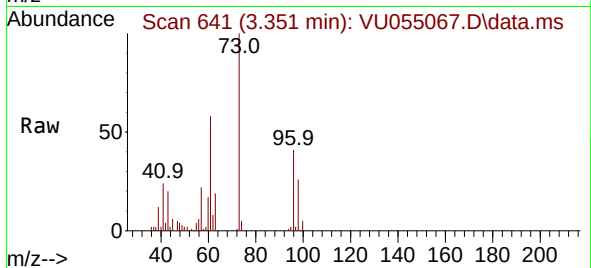
Tgt Ion: 73 Resp: 93629
Ion Ratio Lower Upper
73 100
43 20.1 16.2 24.2
57 22.5 17.4 26.2





#18
trans-1,2-Dichloroethene
Concen: 2.982 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055067.D
Acq: 02 Sep 2023 02:21

Instrument :
MSVOA_U
ClientSampleId :
BH4A3



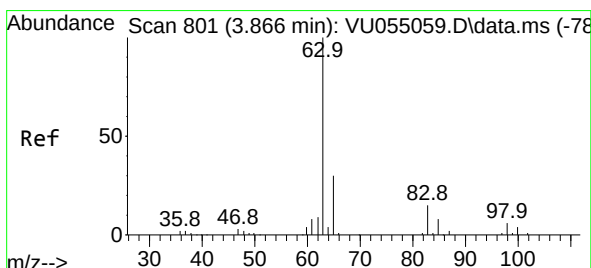
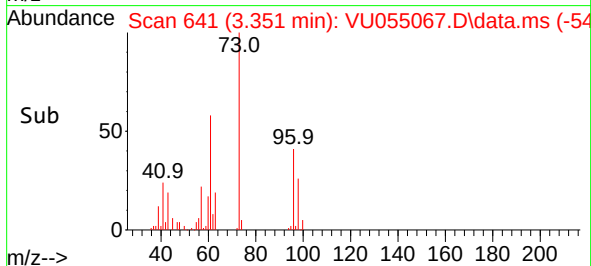
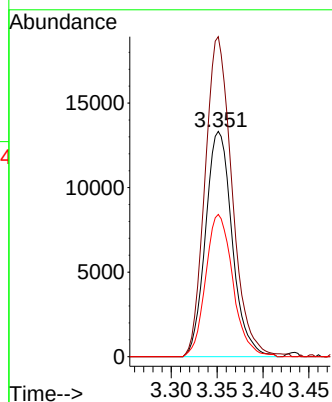
Tgt Ion: 96 Resp: 2699
Ion Ratio Lower Upper
96 100
61 142.0 108.1 200.9
98 63.2 45.4 84.4

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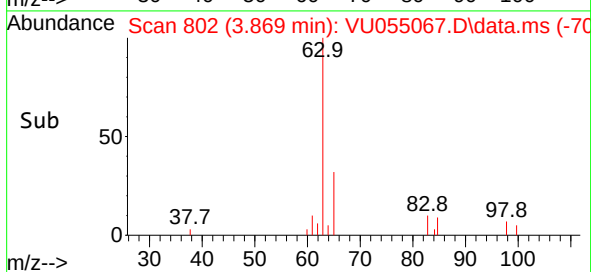
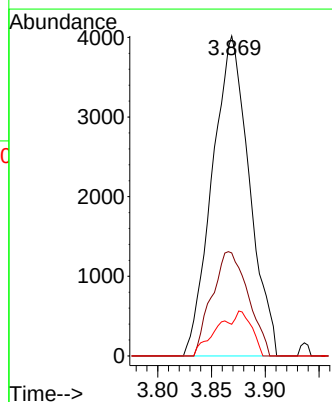
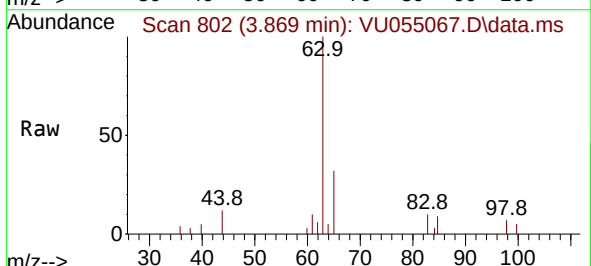
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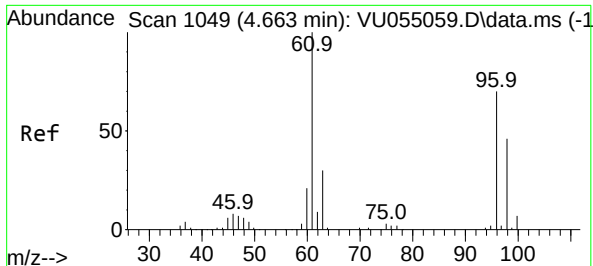
09/05/2023



#19
1,1-Dichloroethane
Concen: 0.491 ug/L
RT: 3.869 min Scan# 802
Delta R.T. 0.003 min
Lab File: VU055067.D
Acq: 02 Sep 2023 02:21

Tgt Ion: 63 Resp: 9609
Ion Ratio Lower Upper
63 100
65 32.2 22.2 41.2
83 9.9 10.6 19.8#





#22

cis-1,2-Dichloroethene

Concen: 408.774 ug/L

RT: 4.660 min Scan# 110

Delta R.T. -0.003 min

Lab File: VU055067.D

Acq: 02 Sep 2023 02:21

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 96 Resp: 452947

Ion Ratio Lower Upper

96 100

61 135.5 97.2 180.4

98 63.9 46.1 85.7

Manual Integrations

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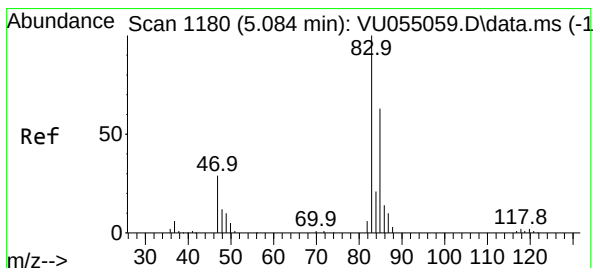
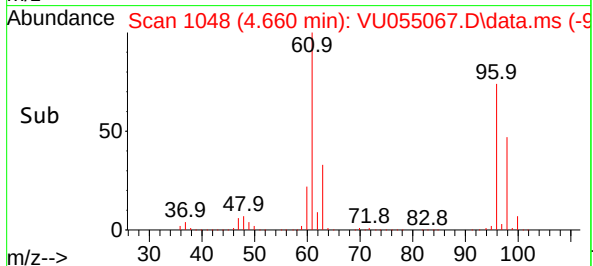
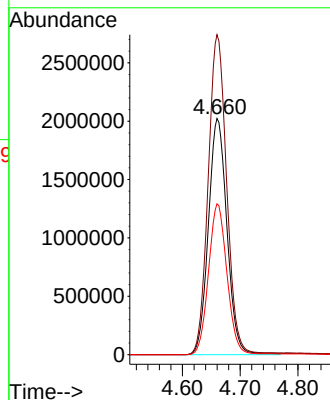
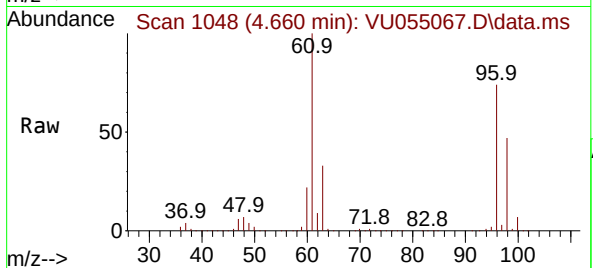
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#25

Chloroform

Concen: 1.617 ug/L

RT: 5.087 min Scan# 1181

Delta R.T. 0.003 min

Lab File: VU055067.D

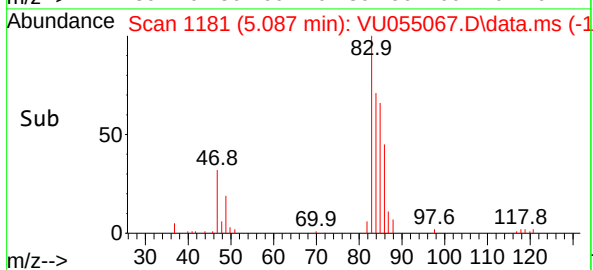
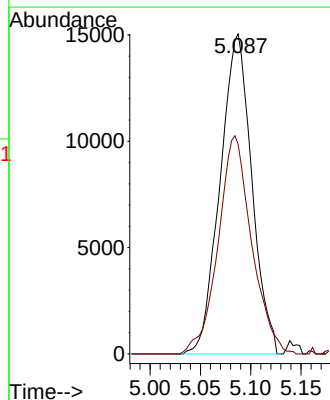
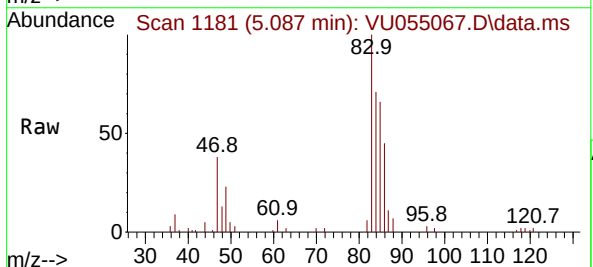
Acq: 02 Sep 2023 02:21

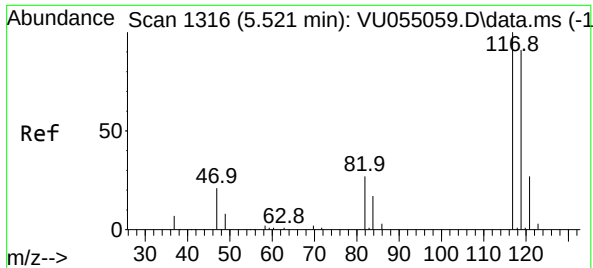
Tgt Ion: 83 Resp: 32945

Ion Ratio Lower Upper

83 100

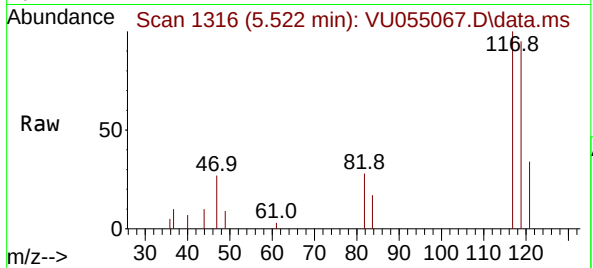
85 65.6 47.2 87.6





#31
Carbon tetrachloride
Concen: 0.579 ug/L
RT: 5.522 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU055067.D
Acq: 02 Sep 2023 02:21

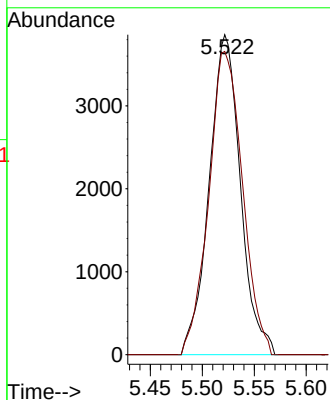
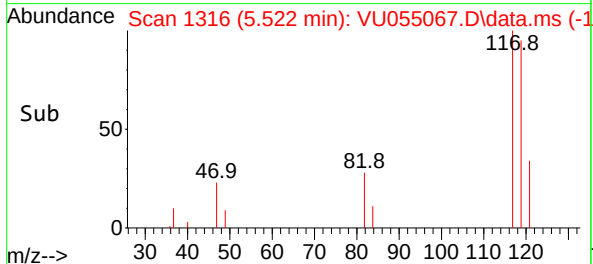
Instrument :
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Tgt Ion:117 Resp: 8054
Ion Ratio Lower Upper
117 100
119 102.6 75.4 113.0

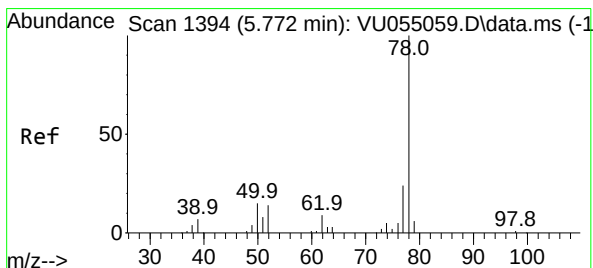
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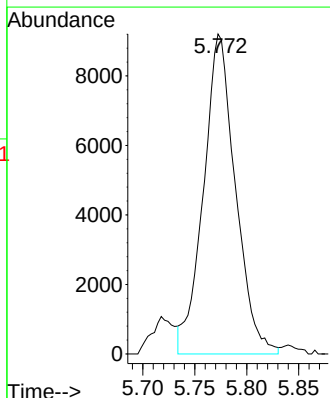
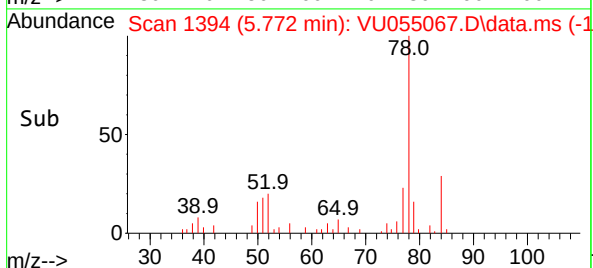
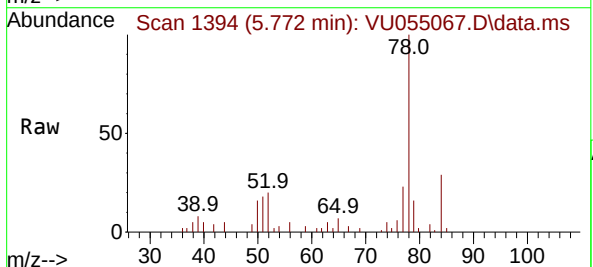
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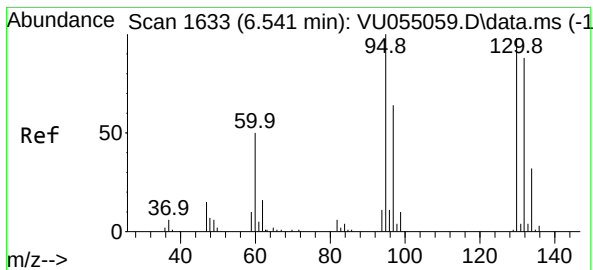
09/05/2023



#33
Benzene
Concen: 0.479 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VU055067.D
Acq: 02 Sep 2023 02:21

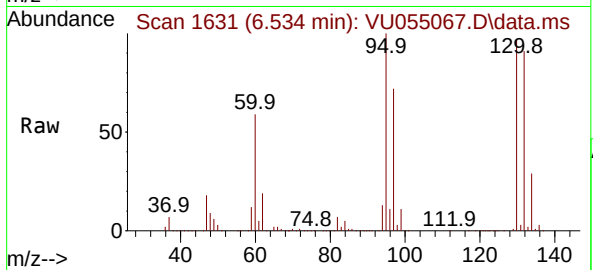
Tgt Ion: 78 Resp: 19706





#34
Trichloroethene
Concen: 2120.741 ug/L m
RT: 6.534 min Scan# 1
Delta R.T. -0.006 min
Lab File: VU055067.D
Acq: 02 Sep 2023 02:21

Instrument :
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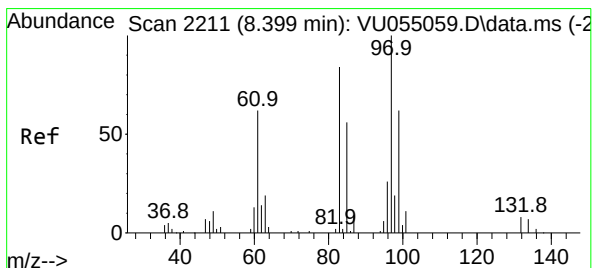
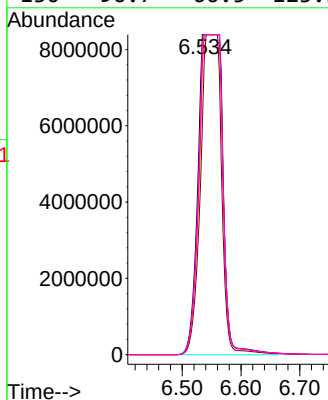
Tgt Ion: 95 Resp: 2427245
Ion Ratio Lower Upper
95 100
97 71.7 44.7 83.1
132 90.9 66.6 123.6
130 96.7 66.5 123.5

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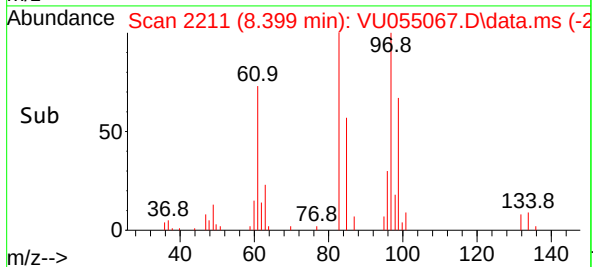
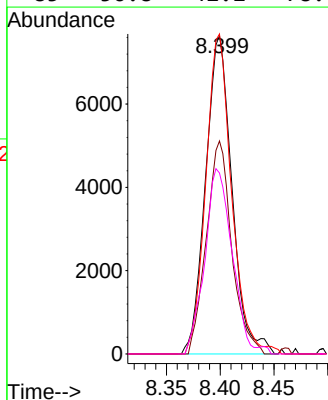
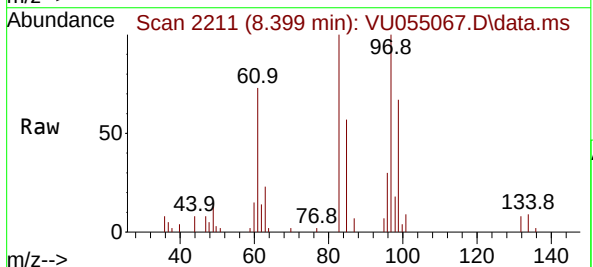
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Dadoda

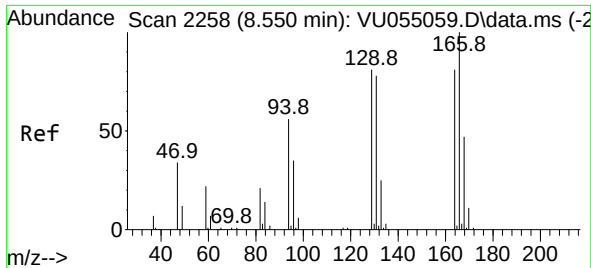
09/05/2023



#45
1,1,2-Trichloroethane
Concen: 1.728 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. 0.000 min
Lab File: VU055067.D
Acq: 02 Sep 2023 02:21

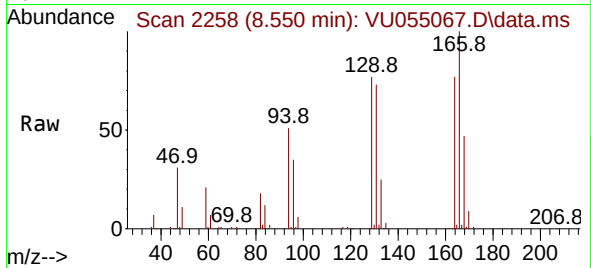
Tgt Ion: 97 Resp: 13053
Ion Ratio Lower Upper
97 100
99 66.9 44.9 83.5
83 100.5 66.9 124.3
85 56.8 42.2 78.4





#47
Tetrachloroethene
Concen: 10.908 ug/L
RT: 8.550 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055067.D
Acq: 02 Sep 2023 02:21

Instrument :
MSVOA_U
ClientSampleId :
BH4A3



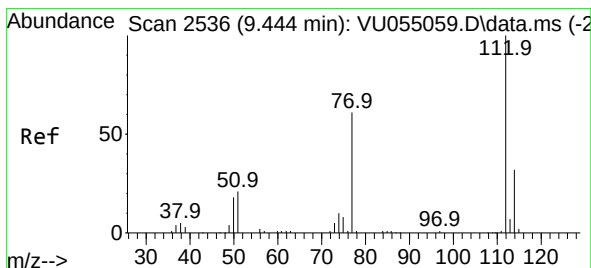
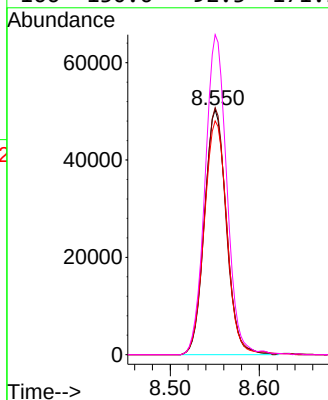
Tgt Ion:164 Resp: 8628
Ion Ratio Lower Upper
164 100
129 100.8 69.2 128.6
131 95.4 68.8 127.8
166 130.6 92.3 171.5

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Supervised By :Mahesh Dadoda 09/05/2023

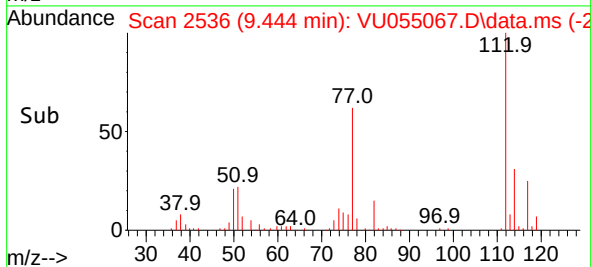
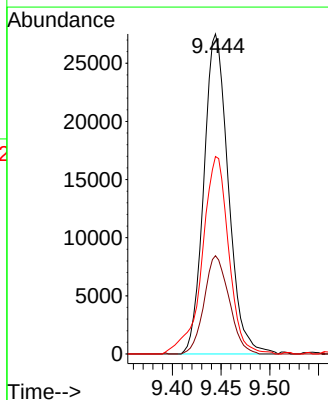
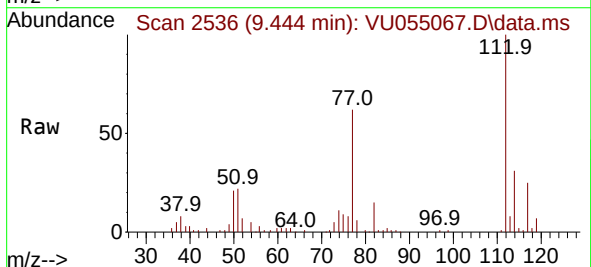
09/04/2023
Supervised By :Mahesh
Dadoda

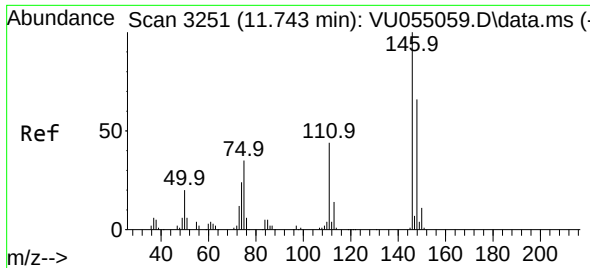
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#51
Chlorobenzene
Concen: 1.655 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU055067.D
Acq: 02 Sep 2023 02:21

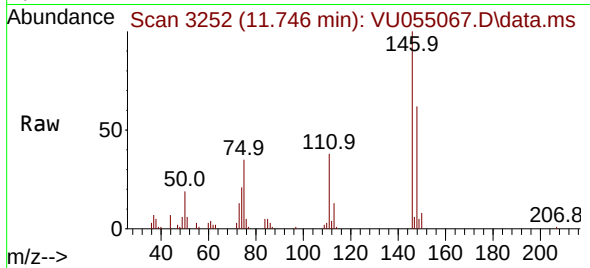
Tgt Ion:112 Resp: 48133
Ion Ratio Lower Upper
112 100
114 30.7 21.7 40.3
77 61.7 48.6 72.8





#64
1,3-Dichlorobenzene
Concen: 0.967 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055067.D
Acq: 02 Sep 2023 02:21

Instrument :
MSVOA_U
ClientSampleId :
BH4A3



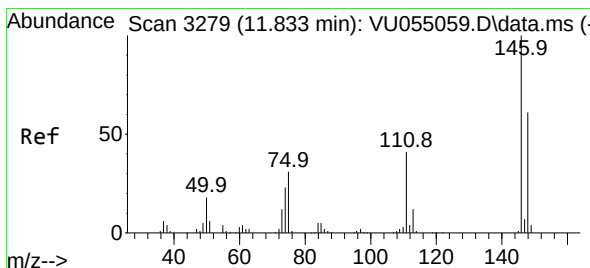
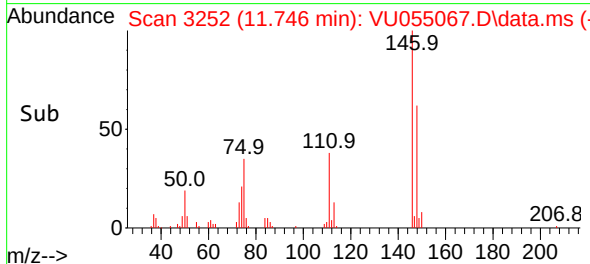
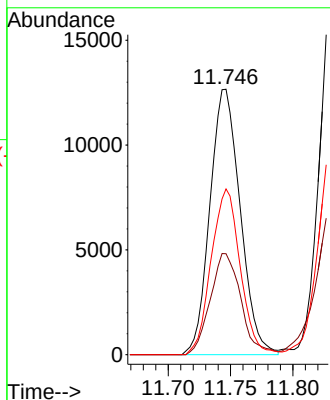
Tgt Ion:146 Resp: 21470
Ion Ratio Lower Upper
146 100
111 38.0 30.0 55.6
148 62.5 45.2 84.0

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Supervised By :Mahesh Dadoda 09/05/2023

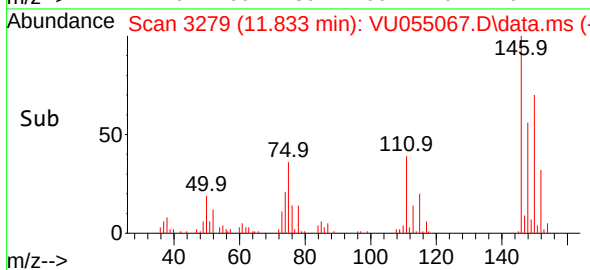
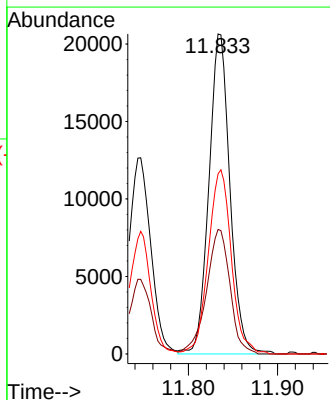
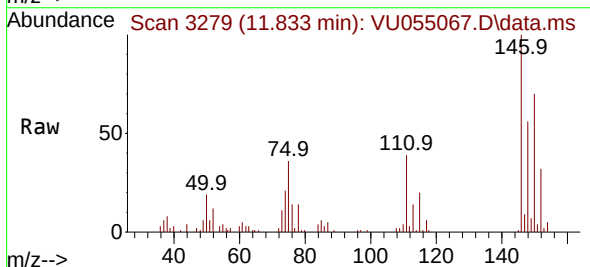
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Supervised By :Mahesh
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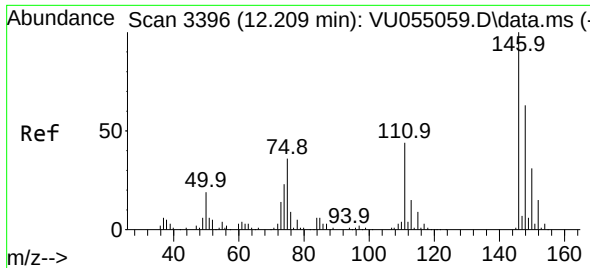
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#65
1,4-Dichlorobenzene
Concen: 1.531 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU055067.D
Acq: 02 Sep 2023 02:21

Tgt Ion:146 Resp: 33884
Ion Ratio Lower Upper
146 100
111 38.9 28.1 52.1
148 56.3 43.8 81.3





#67
1,2-Dichlorobenzene
Concen: 0.818 ug/L
RT: 12.209 min Scan# 311
Delta R.T. 0.000 min
Lab File: VU055067.D
Acq: 02 Sep 2023 02:21

Instrument :
MSVOA_U
ClientSampleId :
BH4A3

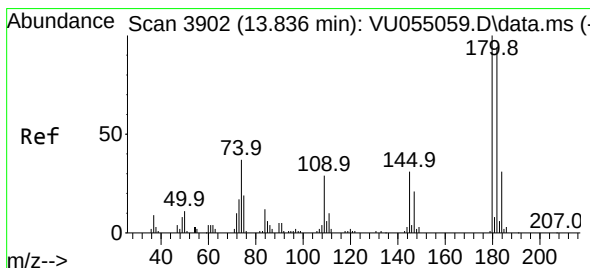
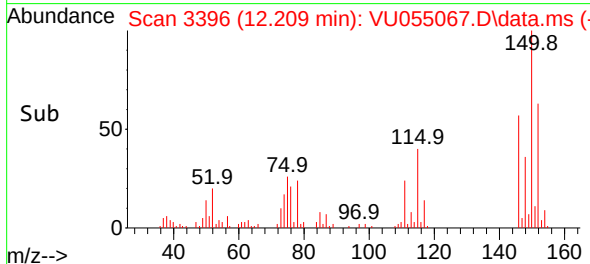
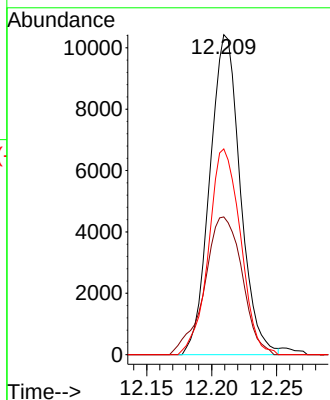
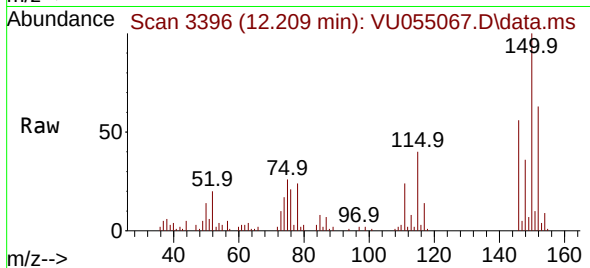
Tgt Ion:146 Resp: 17030
Ion Ratio Lower Upper
146 100
111 43.0 35.6 53.4
148 64.3 51.3 76.9

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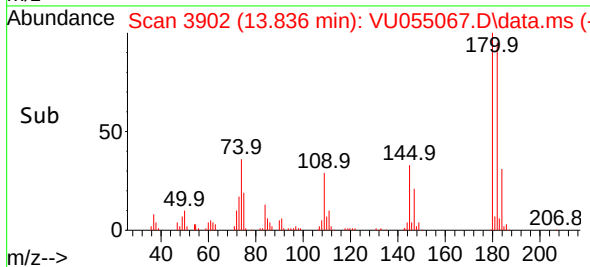
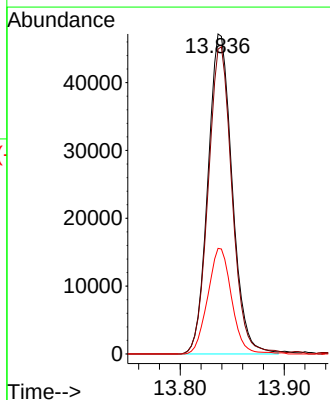
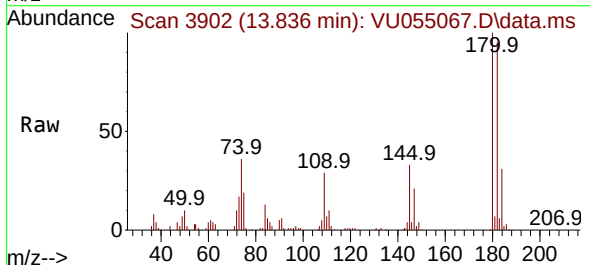
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Supervised By :Mahesh
Dadoda

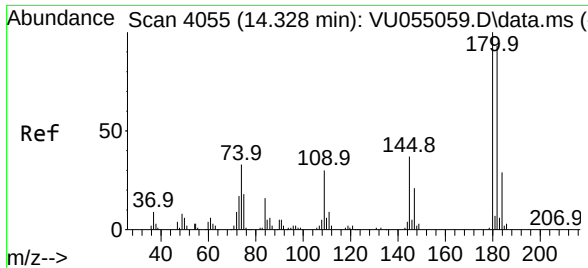
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#70
1,2,4-trichlorobenzene
Concen: 4.853 ug/L
RT: 13.836 min Scan# 3902
Delta R.T. 0.000 min
Lab File: VU055067.D
Acq: 02 Sep 2023 02:21

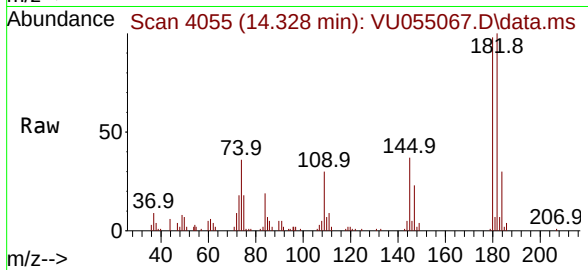
Tgt Ion:180 Resp: 76348
Ion Ratio Lower Upper
180 100
182 94.6 73.6 110.4
145 32.6 25.8 38.8





#72
 1,2,3-Trichlorobenzene
 Concen: 2.421 ug/L
 RT: 14.328 min Scan# 4055
 Delta R.T. 0.000 min
 Lab File: VU055067.D
 Acq: 02 Sep 2023 02:21

Instrument :
 MSVOA_U
 ClientSampleId :
 BH4A3



Tgt Ion:180 Resp: 3306
 Ion Ratio Lower Upper
 180 100
 182 97.5 75.6 113.4
 145 35.8 27.0 40.6

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09/05/2023

