

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062923\
 Data File : VU054696.D
 Acq On : 29 Jun 2023 15:34
 Operator : MD/SY
 Sample : 03477-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 HOA42

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 06/30/2023
 Supervised By :Mahesh Dadoda 06/30/2023

Quant Time: Jun 30 05:19:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR060723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jun 23 23:55:46 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	317979	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	311946	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	145940	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	84384	4.170	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	83.400%		
7) Chloroethane-d5	1.911	69	73404	3.874	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	77.400%		
11) 1,1-Dichloroethene-d2	2.563	65	36101	3.994	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	79.800%		
20) 2-Butanone-d5	4.628	46	249524	43.856	ug/L	0.00
Spiked Amount 50.000	Range 40 - 130		Recovery =	87.720%		
24) Chloroform-d	5.058	84	167001	3.948	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	79.000%		
26) 1,2-Dichloroethane-d4	5.698	65	82167	3.985	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	79.600%		
32) Benzene-d6	5.724	84	309293	3.567	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	71.400%		
36) 1,2-Dichloropropane-d6	6.685	67	109715	3.789	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	75.800%		
41) Toluene-d8	7.894	98	266238	3.460	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	69.200%#		
43) trans-1,3-Dichloroprop...	8.177	79	37599	3.734	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	74.600%		
46) 2-Hexanone-d5	8.631	63	183169	43.354	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	86.700%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	82708	3.830	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	76.600%		
66) 1,2-Dichlorobenzene-d4	12.190	152	99036	4.023	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	80.400%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	9912	0.393	ug/L #	44
12) 1,1-Dichloroethene	2.576	96	3106112	134.678	ug/L #	85
19) 1,1-Dichloroethane	3.865	63	72976	1.481	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	104536	3.855	ug/L	98
25) Chloroform	5.084	83	218832	4.504	ug/L	99
27) 1,2-Dichloroethane	5.791	62	5571	0.196	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	410478	9.704	ug/L	97
31) Carbon tetrachloride	5.521	117	130561	3.582	ug/L	100
33) Benzene	5.772	78	51096	0.456	ug/L	100
34) Trichloroethene	6.541	95	10744270	362.417	ug/L	94
38) Bromodichloromethane	7.103	83	4475	0.130	ug/L	98
45) 1,1,2-Trichloroethane	8.402	97	9804m	0.508	ug/L	
47) Tetrachloroethene	8.550	164	29254607m	1289.132	ug/L	
64) 1,3-Dichlorobenzene	11.743	146	20440	0.410	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	21595	0.431	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	20192	0.440	ug/L	97

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

Instrument :

MSVOA_U

ClientSampleId :

HOA42

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Reviewed By :Krupa Patel 06/30/2023

Supervised By :Mahesh Dadoda 06/30/2023

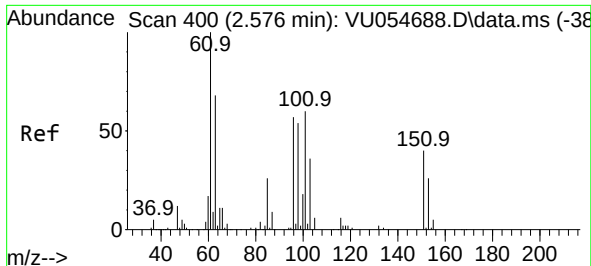
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023

Abundance

TIC: VU054696.D\data.ms

Time-->

Retention Time (min)	Chemical Name
1.7	Vinyl Chloride-d3, S
2.1	Chloroethane-d5, S
2.6	1,1-Dichloroethene-d2, S
2.7	1,1-Dichloroethene-d2, T
2.8	1,1-Dichloroethene-d2, S
4.1	1,1-Dichloroethane, T
4.7	1,1,1,1-Tetrachloroethane, T
4.8	1,1,1,1-Tetrachloroethane, T
5.1	Chloroform, T, S
5.2	1,1,1-Trichloroethane, T
5.3	Carbon tetrachloride, T
5.4	1,1,1,1-Tetrachloroethane, T
5.5	1,1,1,1-Tetrachloroethane, T
6.2	1,4-Difluorobenzene, I
6.6	Trichloroethene, T
6.7	1,2-Dichloropropane-d6, S
7.1	Bromodichloromethane, T
8.1	Toluene-d8, S
8.2	trans-1,3-Dichloropropene-d4, S
8.3	1,1,2-Trichloroethane, T
8.7	2-Hexanone-d5, S
8.7	Tetrachloroethene, T
9.5	Chlorobenzene-d5, I
11.1	1,1,2,2-Tetrachloroethane-d2, S
11.7	1,3-Dichlorobenzene, T, I
11.8	1,3-Dichlorobenzene, T, I
12.1	1,2-Dichlorobenzene, T, I, S
12.2	1,2-Dichlorobenzene, T, I, S



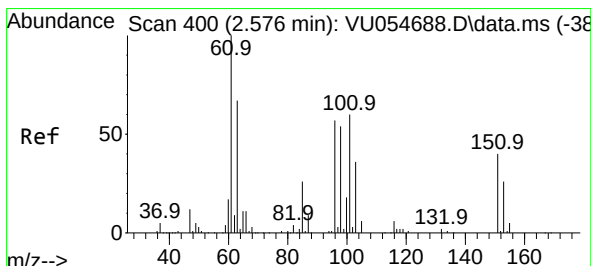
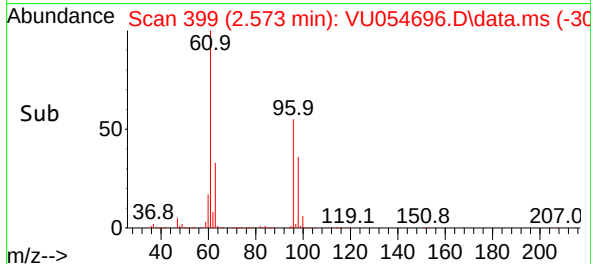
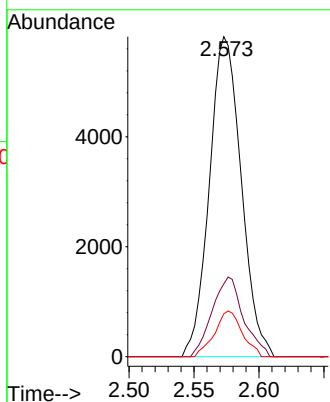
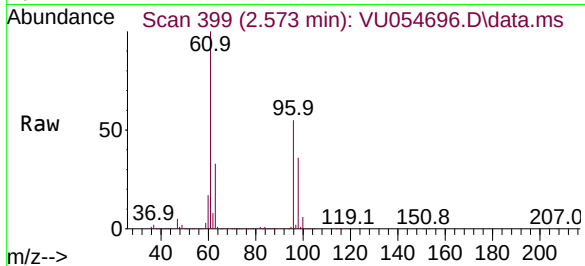
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.393 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.006 min
Lab File: VU054696.D
Acq: 29 Jun 2023 15:34

Instrument :
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HOA42

Tgt Ion: 101 Resp: 9912
Ion Ratio Lower Upper
101 100
85 24.4 34.6 51.8
151 12.4 57.7 86.5

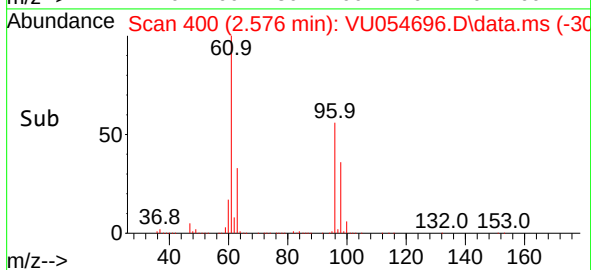
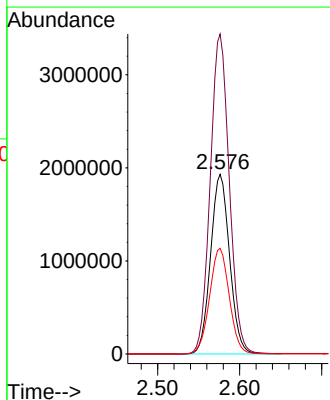
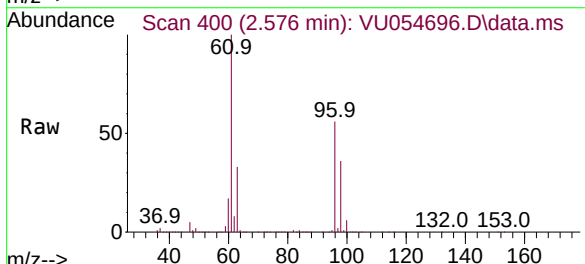
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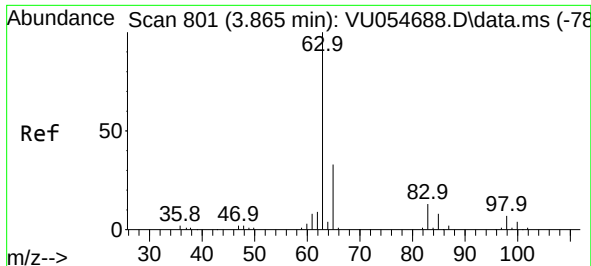
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#12
1,1-Dichloroethene
Concen: 134.678 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.003 min
Lab File: VU054696.D
Acq: 29 Jun 2023 15:34

Tgt Ion: 96 Resp: 3106112
Ion Ratio Lower Upper
96 100
61 178.1 119.9 222.7
63 58.8 64.3 119.3





#19

1,1-Dichloroethane

Concen: 1.481 ug/L

RT: 3.865 min Scan# 801

Delta R.T. -0.000 min

Lab File: VU054696.D

Acq: 29 Jun 2023 15:34

Instrument :

MSVOA_U

ClientSampleId :

HOA42

Tgt Ion: 63 Resp: 72970

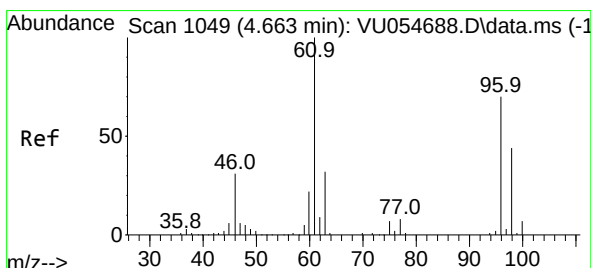
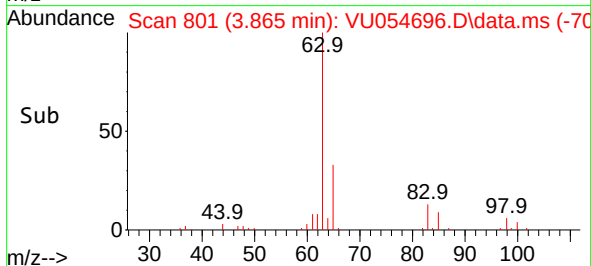
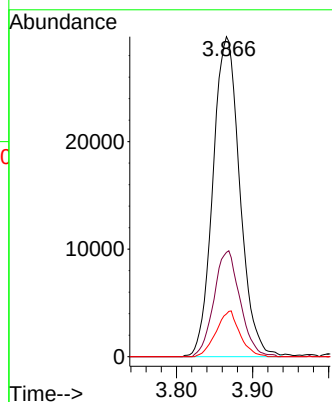
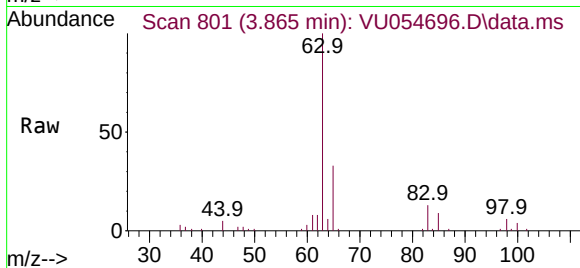
Ion	Ratio	Lower	Upper
63	100		
65	32.6	22.2	41.2
83	13.4	9.0	16.6

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 3.855 ug/L

RT: 4.663 min Scan# 1049

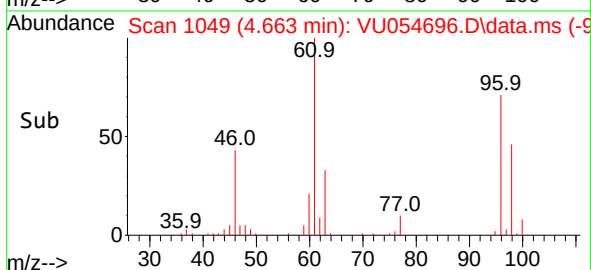
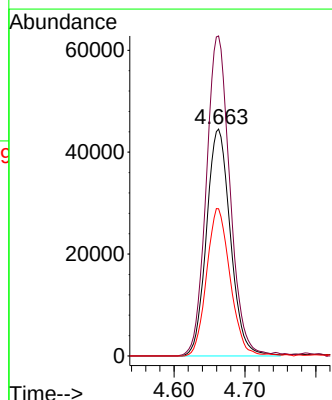
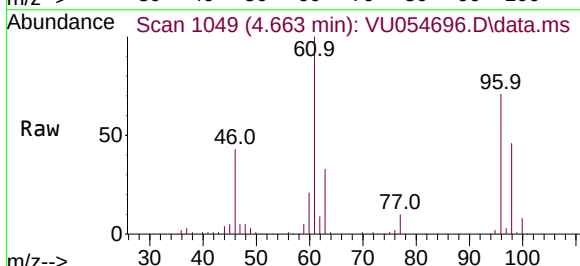
Delta R.T. -0.000 min

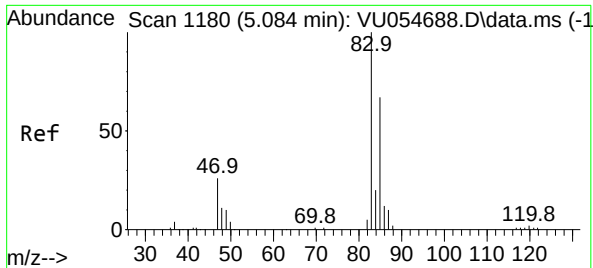
Lab File: VU054696.D

Acq: 29 Jun 2023 15:34

Tgt Ion: 96 Resp: 104536

Ion	Ratio	Lower	Upper
96	100		
61	141.1	96.5	179.1
98	64.9	44.9	83.3





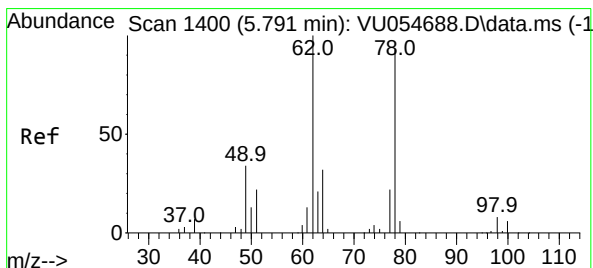
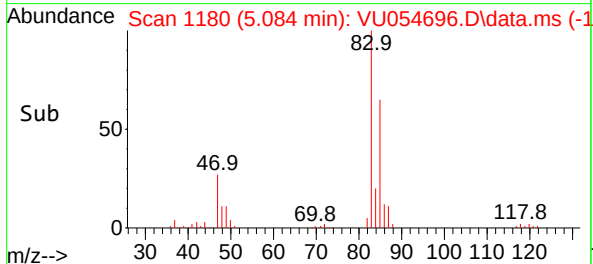
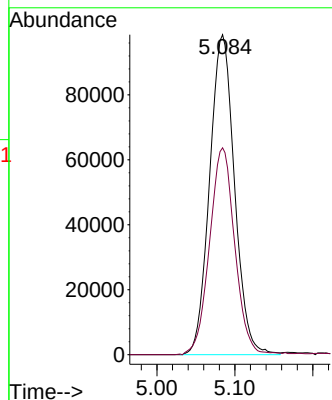
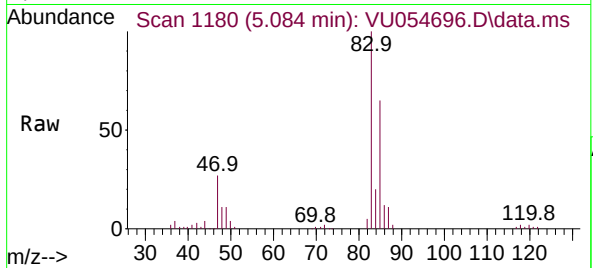
#25
Chloroform
Concen: 4.504 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VU054696.D
Acq: 29 Jun 2023 15:34

Instrument :
MSVOA_U
ClientSampleId :
HOA42

Tgt Ion: 83 Resp: 21883
Ion Ratio Lower Upper
83 100
85 64.7 44.7 82.9

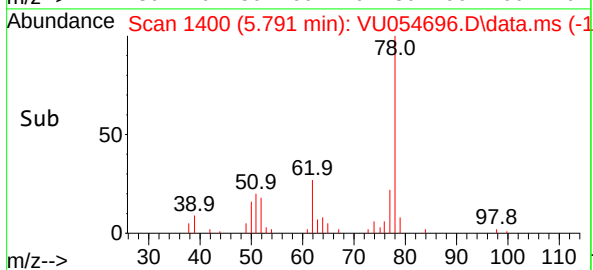
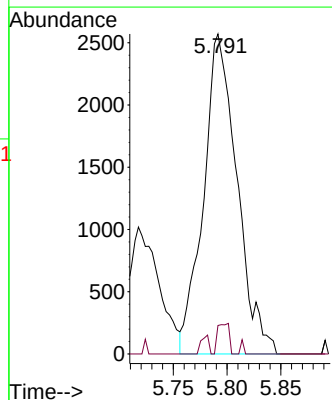
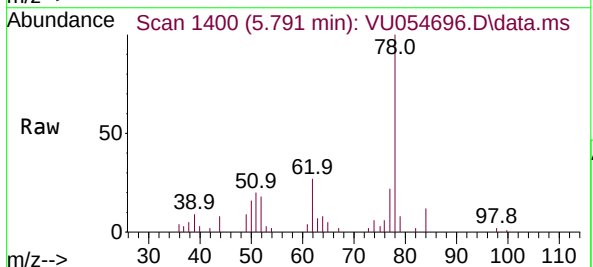
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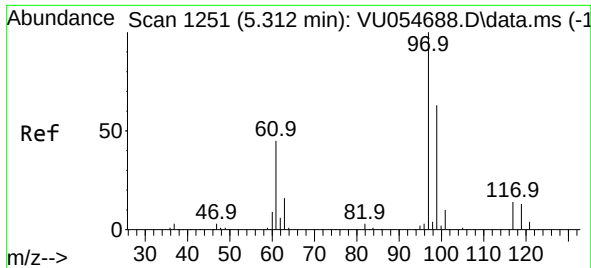
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#27
1,2-Dichloroethane
Concen: 0.196 ug/L
RT: 5.791 min Scan# 1400
Delta R.T. 0.003 min
Lab File: VU054696.D
Acq: 29 Jun 2023 15:34

Tgt Ion: 62 Resp: 5571
Ion Ratio Lower Upper
62 100
98 8.9 7.8 11.6





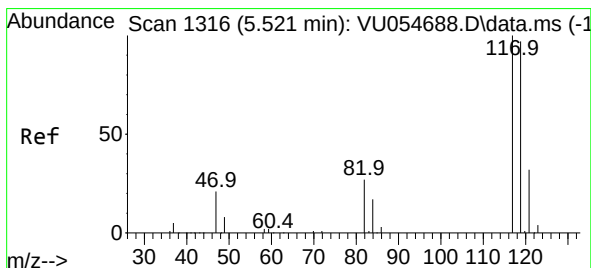
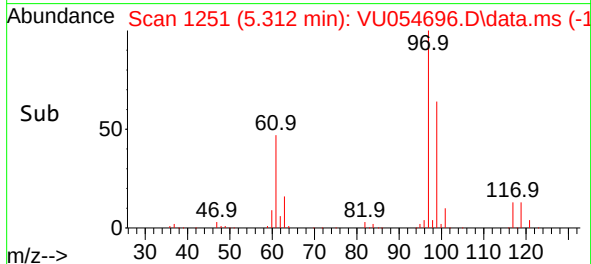
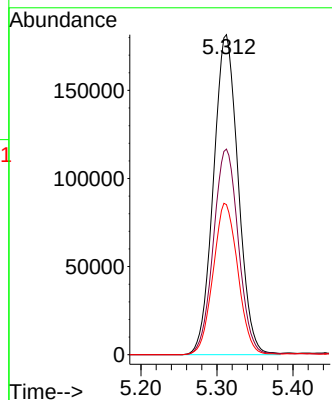
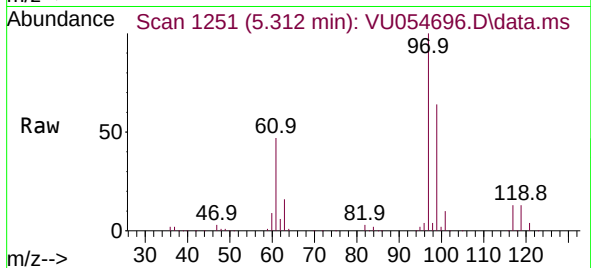
#29
1,1,1-Trichloroethane
Concen: 9.704 ug/L
RT: 5.312 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VU054696.D
Acq: 29 Jun 2023 15:34

Instrument :
MSVOA_U
ClientSampleId :
HOA42

Tgt Ion: 97 Resp: 410478
Ion Ratio Lower Upper
97 100
99 65.0 50.8 76.2
61 47.3 36.1 54.1

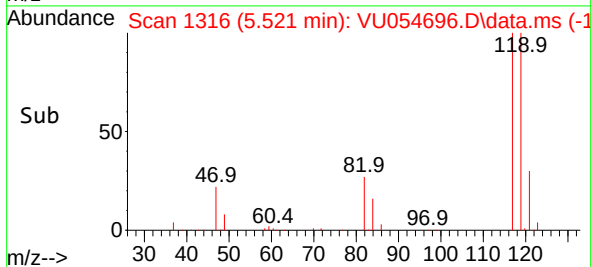
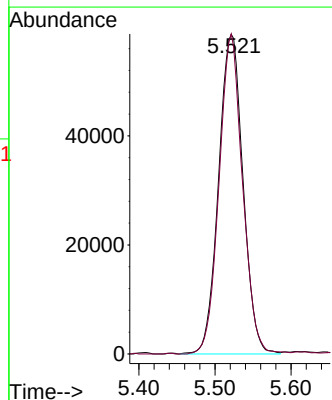
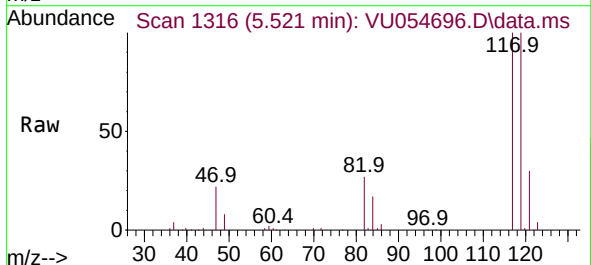
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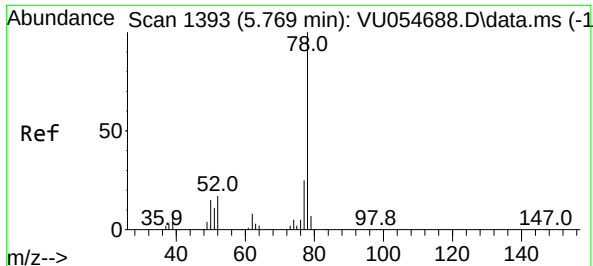
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#31
Carbon tetrachloride
Concen: 3.582 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VU054696.D
Acq: 29 Jun 2023 15:34

Tgt Ion:117 Resp: 130561
Ion Ratio Lower Upper
117 100
119 96.2 76.8 115.2





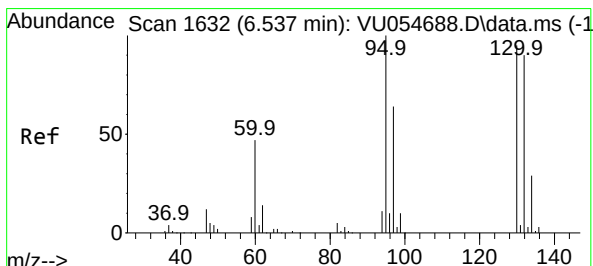
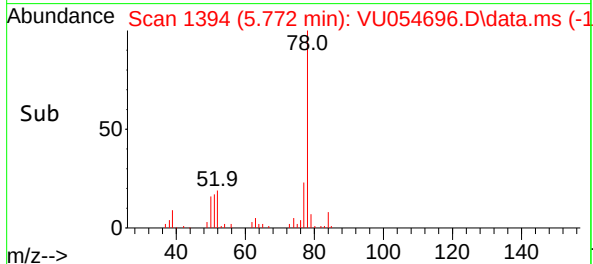
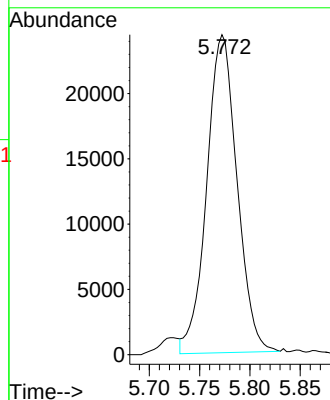
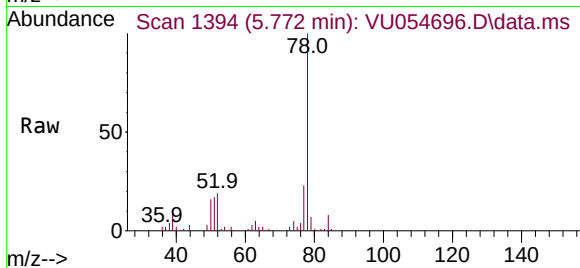
#33
Benzene
Concen: 0.456 ug/L
RT: 5.772 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU054696.D
Acq: 29 Jun 2023 15:34

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 78 Resp: 51090

Manual Integrations
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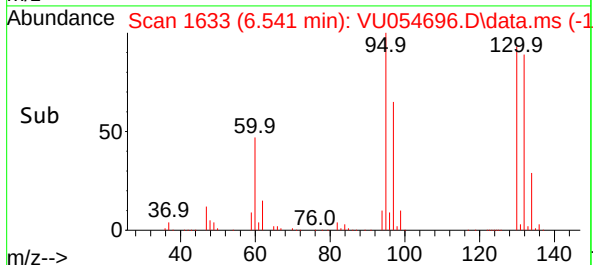
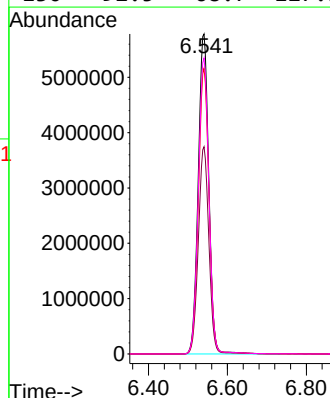
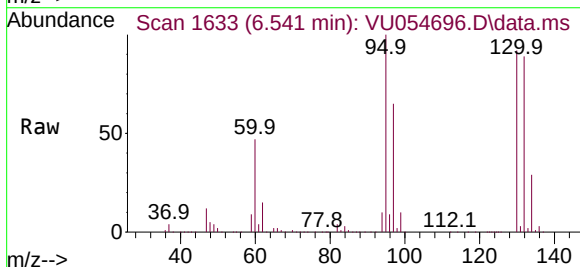
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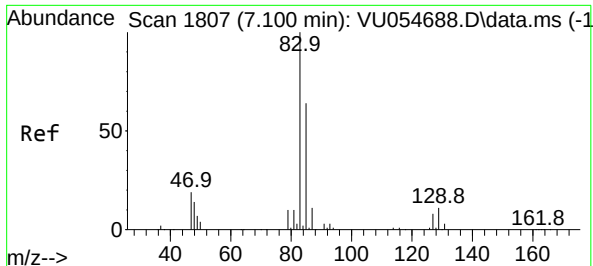


#34
Trichloroethene
Concen: 362.417 ug/L
RT: 6.541 min Scan# 1633
Delta R.T. 0.003 min
Lab File: VU054696.D
Acq: 29 Jun 2023 15:34

Tgt Ion: 95 Resp:10744270

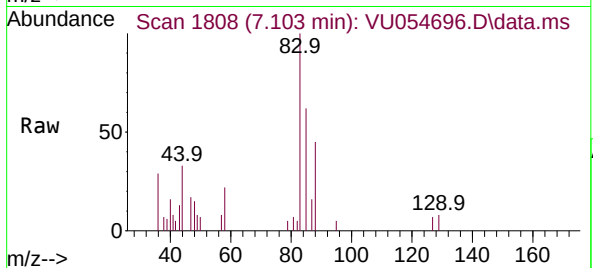
Ion	Ratio	Lower	Upper
95	100		
97	64.7	46.8	87.0
132	89.2	68.4	127.0
130	92.5	68.7	127.5





#38
Bromodichloromethane
Concen: 0.130 ug/L
RT: 7.103 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU054696.D
Acq: 29 Jun 2023 15:34

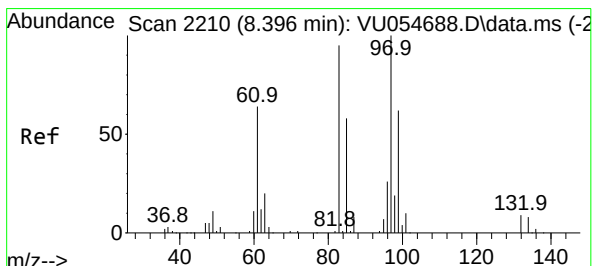
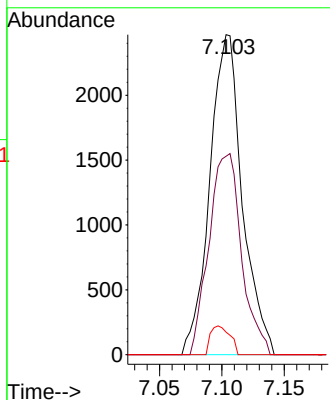
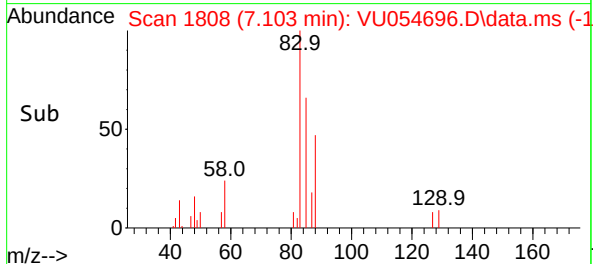
Instrument :
MSVOA_U
ClientSampleId :
HOA42



Tgt Ion: 83 Resp: 4475
Ion Ratio Lower Upper
83 100
85 62.0 44.1 81.9
127 7.1 6.6 10.0

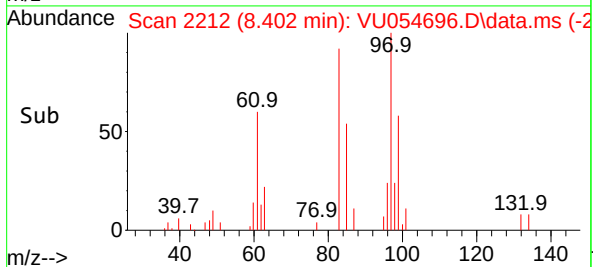
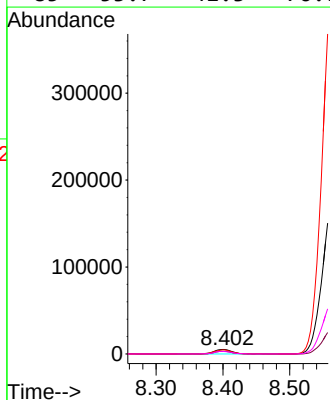
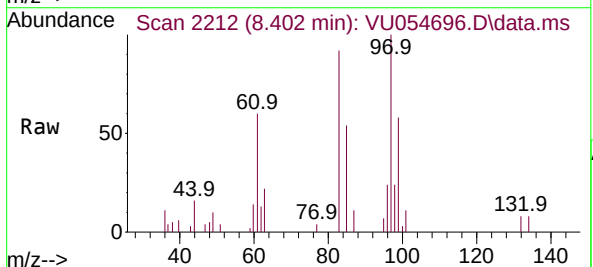
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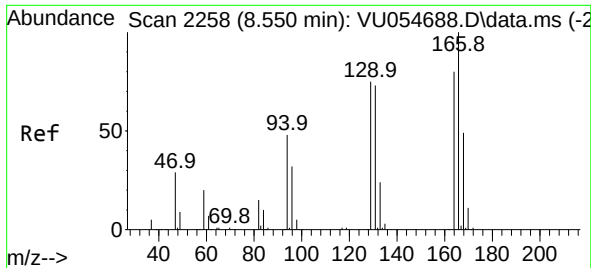
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#45
1,1,2-Trichloroethane
Concen: 0.508 ug/L m
RT: 8.402 min Scan# 2212
Delta R.T. 0.006 min
Lab File: VU054696.D
Acq: 29 Jun 2023 15:34

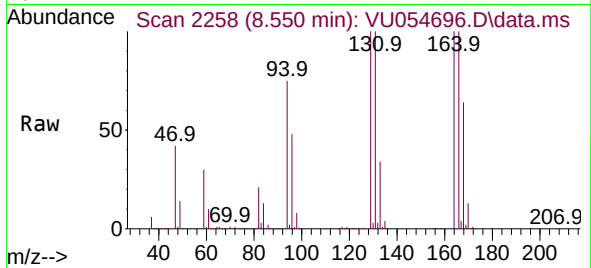
Tgt Ion: 97 Resp: 9804
Ion Ratio Lower Upper
97 100
99 57.8 43.0 80.0
83 91.7 63.8 118.6
85 53.7 41.3 76.7





#47
Tetrachloroethene
Concen: 1289.132 ug/L m
RT: 8.550 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU054696.D
Acq: 29 Jun 2023 15:34

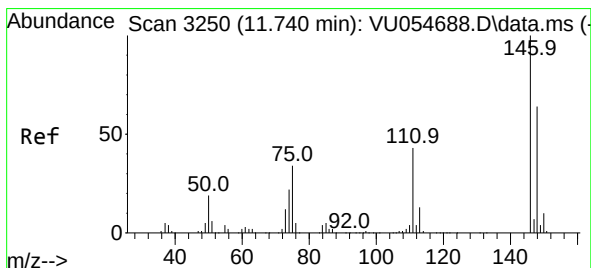
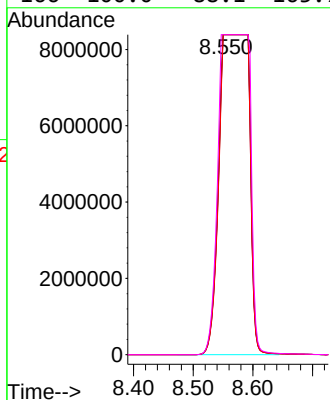
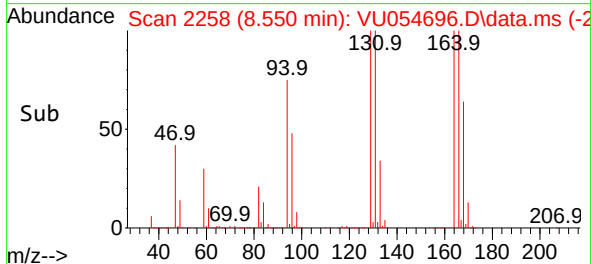
Instrument :
MSVOA_U
ClientSampleId :
HOA42



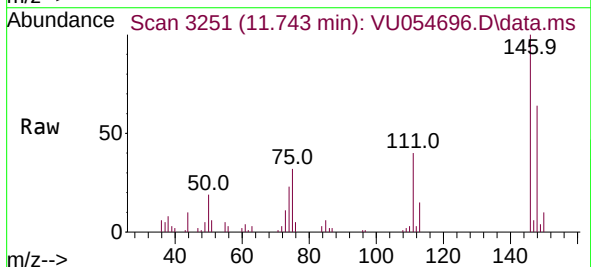
Tgt Ion:164 Resp:2925460
Ion Ratio Lower Upper
164 100
129 100.0 67.7 125.7
131 100.0 64.6 120.0
166 100.0 88.1 163.7

Manual Integrations
APPROVED

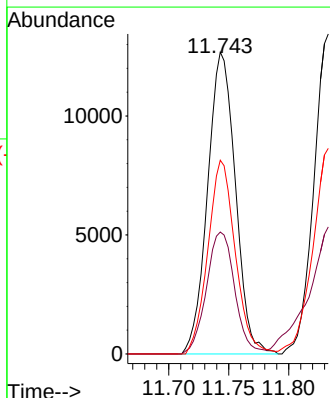
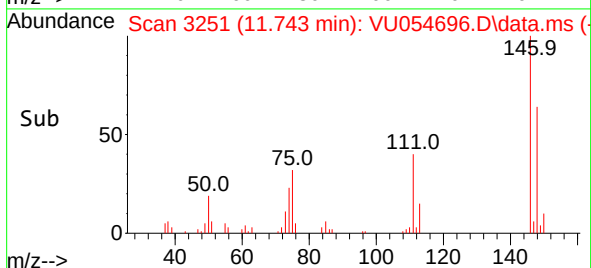
Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023

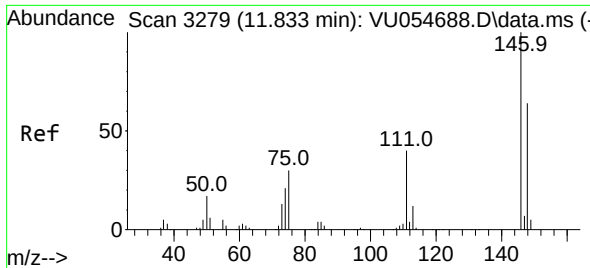


#64
1,3-Dichlorobenzene
Concen: 0.410 ug/L
RT: 11.743 min Scan# 3251
Delta R.T. 0.003 min
Lab File: VU054696.D
Acq: 29 Jun 2023 15:34



Tgt Ion:146 Resp: 20440
Ion Ratio Lower Upper
146 100
111 40.4 28.9 53.7
148 64.2 44.0 81.8





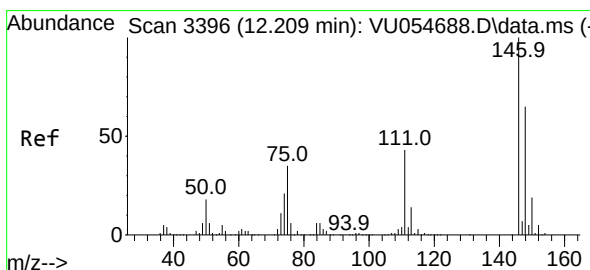
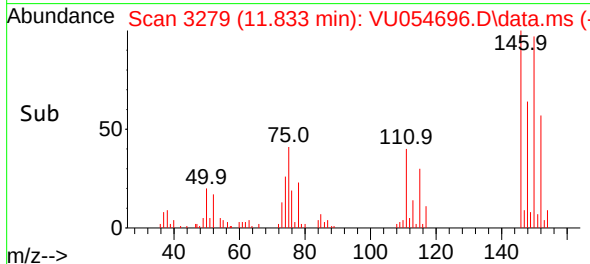
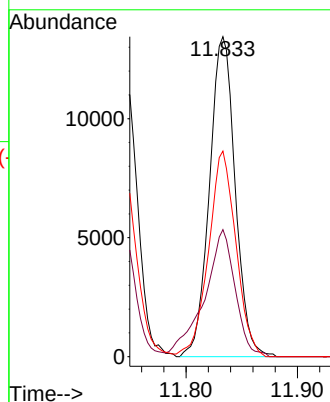
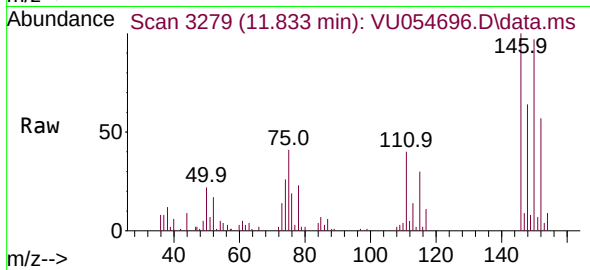
#65
1,4-Dichlorobenzene
Concen: 0.431 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU054696.D
Acq: 29 Jun 2023 15:34

Instrument :
MSVOA_U
ClientSampleId :
HOA42

Tgt Ion:146 Resp: 2159
Ion Ratio Lower Upper
146 100
111 39.7 28.0 52.0
148 64.3 44.7 83.1

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 06/30/2023
Supervised By :Mahesh Dadoda 06/30/2023



#67
1,2-Dichlorobenzene
Concen: 0.440 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.003 min
Lab File: VU054696.D
Acq: 29 Jun 2023 15:34

Tgt Ion:146 Resp: 20192
Ion Ratio Lower Upper
146 100
111 43.4 34.5 51.7
148 66.9 50.9 76.3

