

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
 Data File : VU052887.D
 Acq On : 31 Jan 2023 18:27
 Operator : JC/MD
 Sample : 01381-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44M6

Manual Integrations
 APPROVED

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

Quant Time: Feb 01 00:58:42 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	6.243	114	211172	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.414	117	212147	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	110750	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	58606	38.559	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	77.120%		
7) Chloroethane-d5	1.909	69	59700	47.669	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.340%		
11) 1,1-Dichloroethene-d2	2.565	63	97766	32.340	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.680%		
21) 2-Butanone-d5	4.620	46	108227	115.266	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	115.270%		
24) Chloroform-d	5.057	84	163506	50.406	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.820%		
26) 1,2-Dichloroethane-d4	5.697	65	109157	52.702	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	105.400%		
32) Benzene-d6	5.723	84	290972	44.893	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.780%		
36) 1,2-Dichloropropane-d6	6.684	67	94808	49.875	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.740%		
41) Toluene-d8	7.896	98	248150	42.046	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.100%		
43) trans-1,3-Dichloroprop...	8.176	79	43798	45.970	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.940%		
47) 2-Hexanone-d5	8.629	63	70615	105.723	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	105.720%		
56) 1,1,2,2-Tetrachloroeth...	10.751	84	142765	50.832	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	101.660%		
66) 1,2-Dichlorobenzene-d4	12.189	152	120267m	55.926	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	111.860%		
Target Compounds						
5) Vinyl chloride	1.604	62	4588	2.543	ug/L #	73
12) 1,1-Dichloroethene	2.578	96	3291	2.107	ug/L #	1
17) trans-1,2-Dichloroethene	3.350	96	4025	2.384	ug/L	90
20) cis-1,2-Dichloroethene	4.662	96	570734	316.643	ug/L	97
33) Benzene	5.771	78	78772	10.908	ug/L	100
34) Trichloroethene	6.536	95	366513	199.680	ug/L	97
51) Chlorobenzene	9.443	112	3221388	632.642	ug/L	100
64) 1,3-Dichlorobenzene	11.742	146	58017	16.077	ug/L	99
65) 1,4-Dichlorobenzene	11.832	146	511486	136.909	ug/L	98
67) 1,2-Dichlorobenzene	12.208	146	2874095	787.387	ug/L	99
70) 1,2,4-trichlorobenzene	13.835	180	490330	218.909	ug/L	99
72) 1,2,3-Trichlorobenzene	14.324	180	110913	46.855	ug/L	98

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

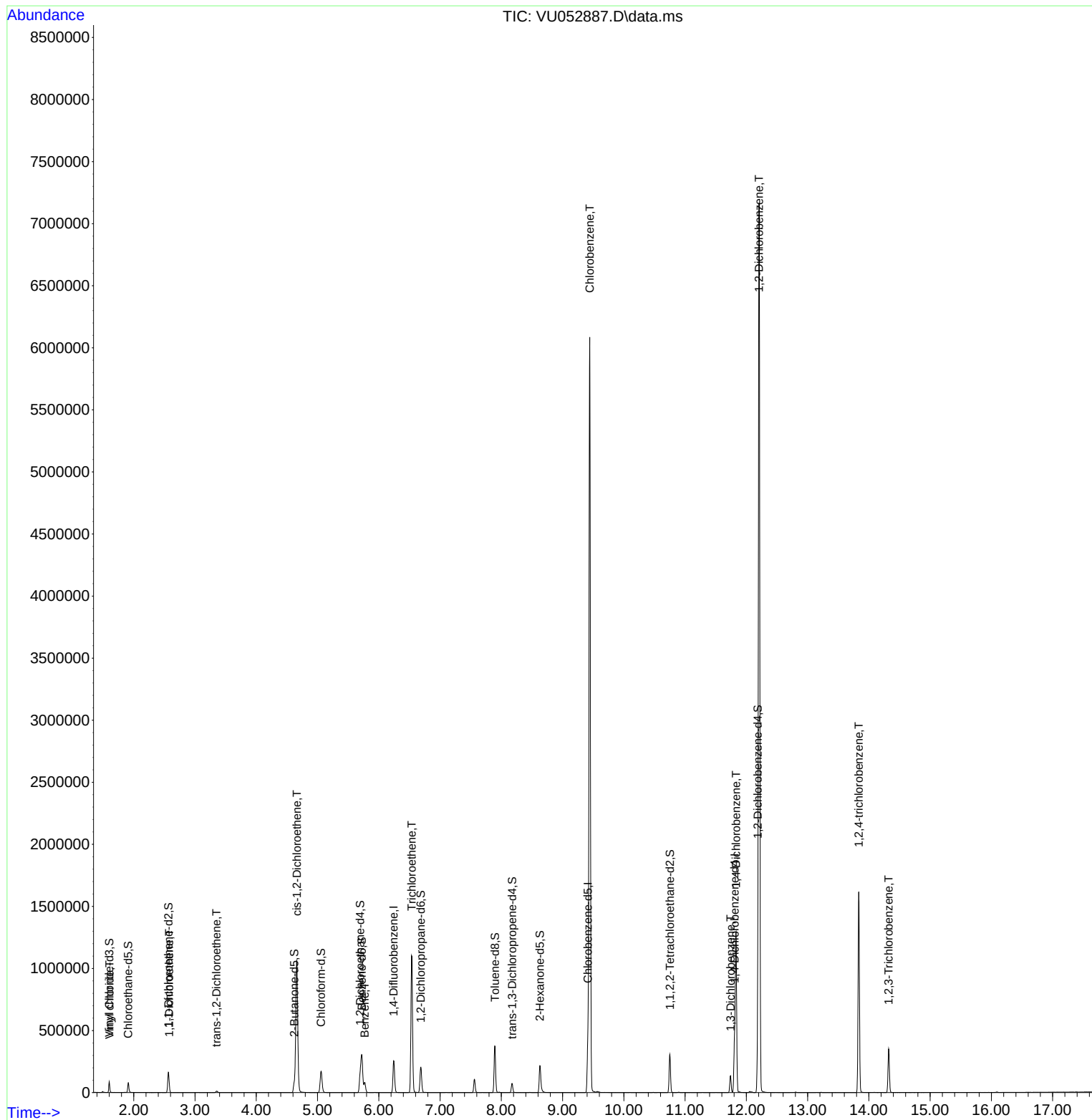
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU013123\
Data File : VU052887.D
Acq On : 31 Jan 2023 18:27
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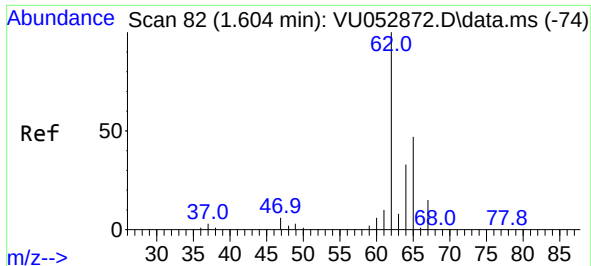
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
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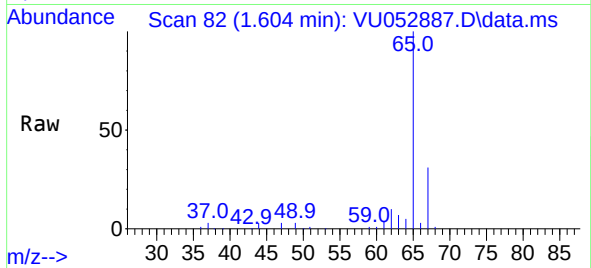
Reviewed By :Krupa Patel 02/01/2023
Supervised By :Mahesh Dadoda 02/01/2023





#5
 Vinyl chloride
 Concen: 2.543 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. 0.000 min
 Lab File: VU052887.D
 Acq: 31 Jan 2023 18:27

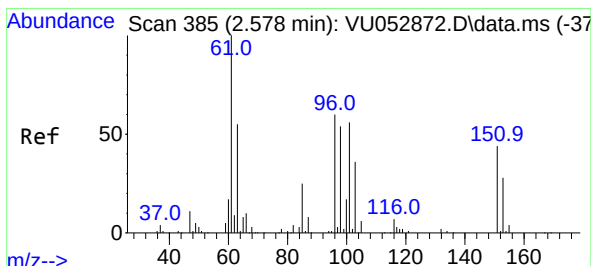
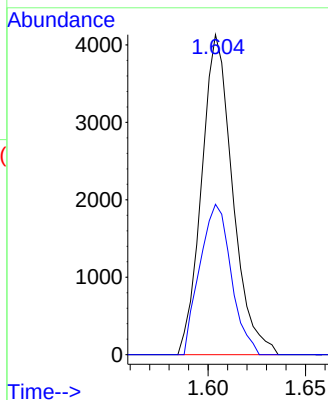
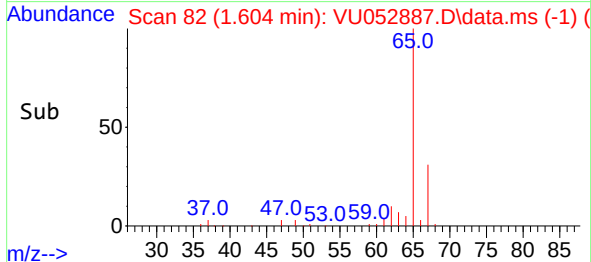
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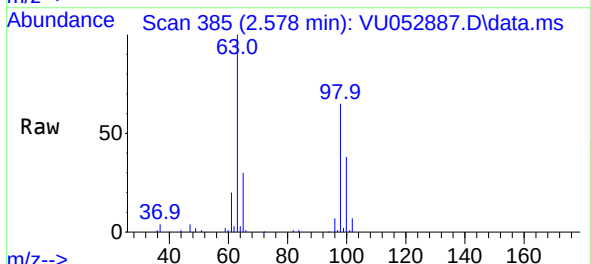
Tgt Ion: 62 Resp: 4588
 Ion Ratio Lower Upper
 62 100
 64 47.0 22.4 41.6

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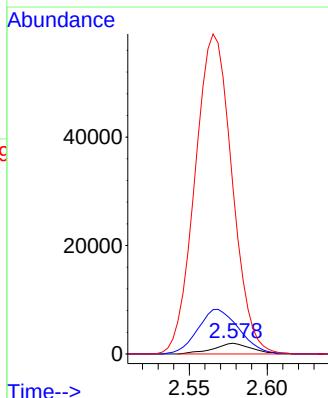
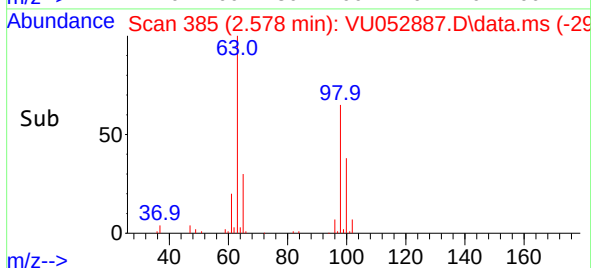
Reviewed By :Krupa Patel 02/01/2023
 Supervised By :Mahesh Dadoda 02/01/2023

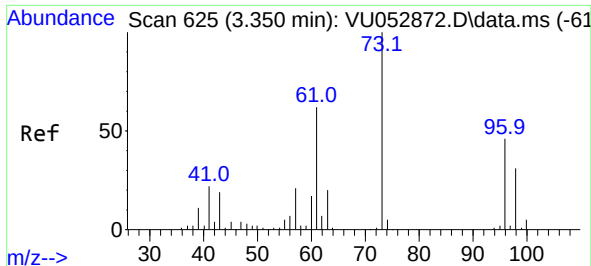


#12
 1,1-Dichloroethene
 Concen: 2.107 ug/L
 RT: 2.578 min Scan# 385
 Delta R.T. 0.000 min
 Lab File: VU052887.D
 Acq: 31 Jan 2023 18:27



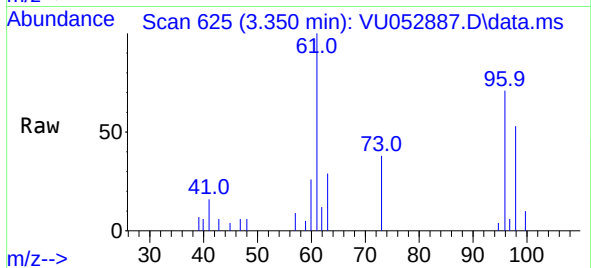
Tgt Ion: 96 Resp: 3291
 Ion Ratio Lower Upper
 96 100
 61 302.0 114.3 212.3#
 63 1534.0 80.6 149.6#





#17
trans-1,2-Dichloroethene
Concen: 2.384 ug/L
RT: 3.350 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27

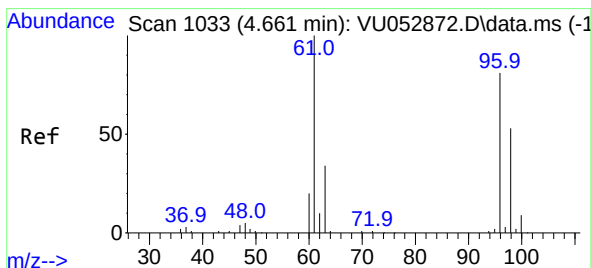
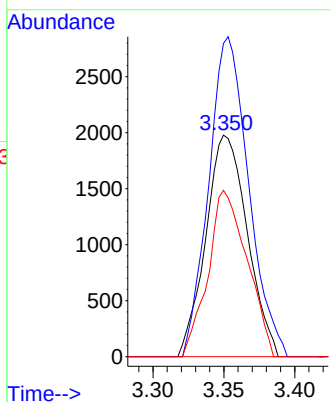
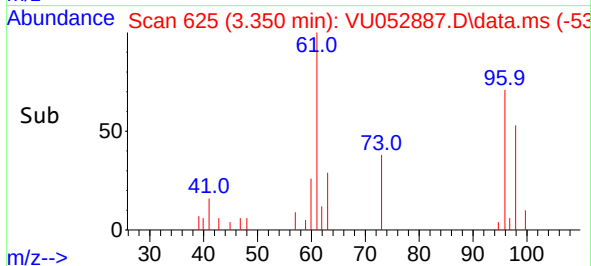
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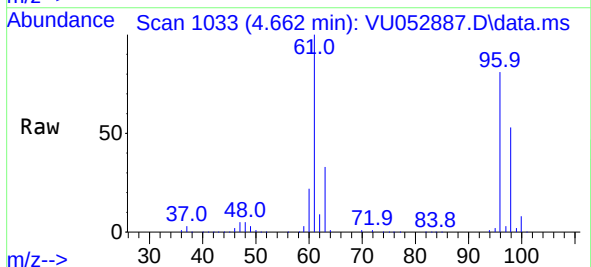
Tgt Ion: 96 Resp: 402
Ion Ratio Lower Upper
96 100
61 141.3 92.7 172.3
98 75.1 44.7 82.9

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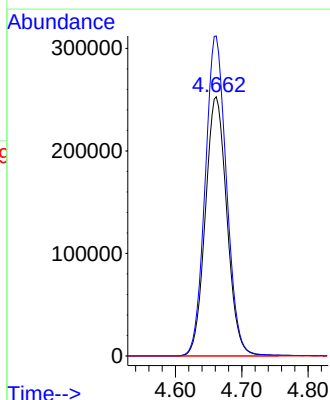
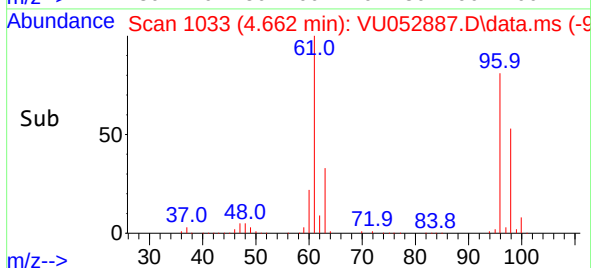
Reviewed By :Krupa Patel 02/01/2023
Supervised By :Mahesh Dadoda 02/01/2023

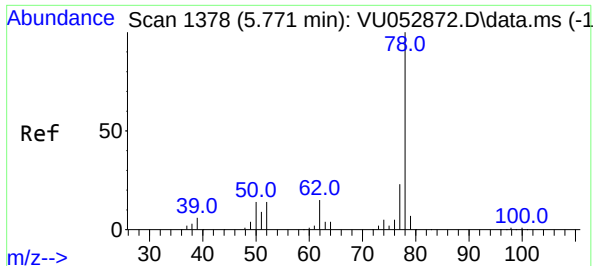


#20
cis-1,2-Dichloroethene
Concen: 316.643 ug/L
RT: 4.662 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27



Tgt Ion: 96 Resp: 570734
Ion Ratio Lower Upper
96 100
61 123.5 84.1 156.1
68 0.0 0.0 0.0





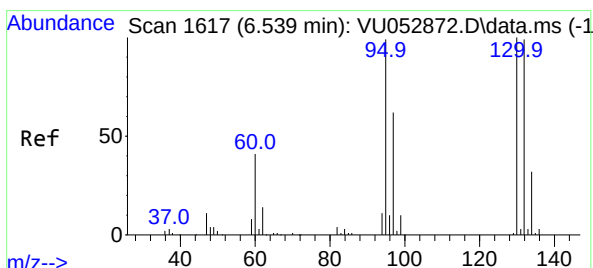
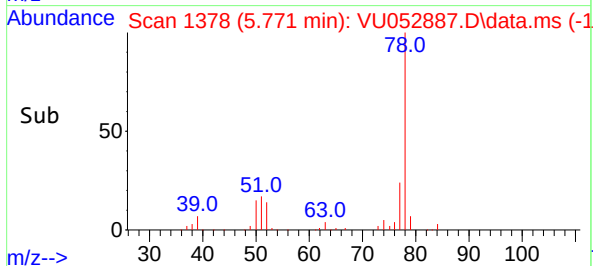
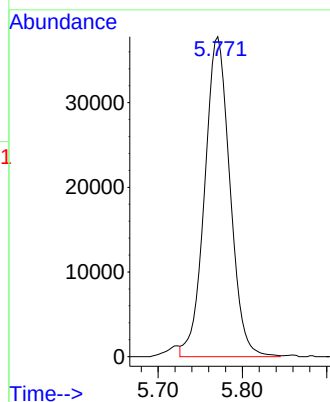
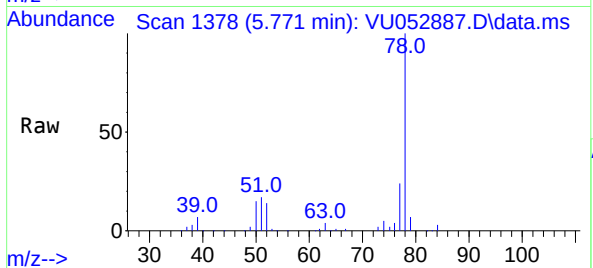
#33
Benzene
Concen: 10.908 ug/L
RT: 5.771 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27

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Tgt Ion: 78 Resp: 78772

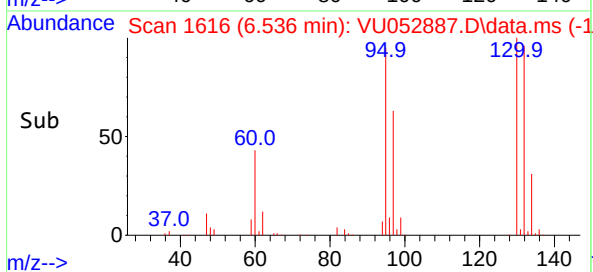
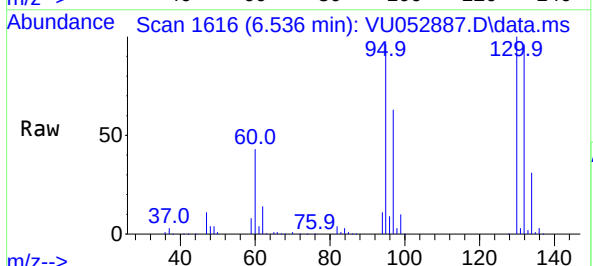
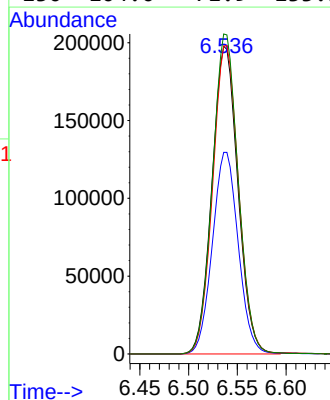
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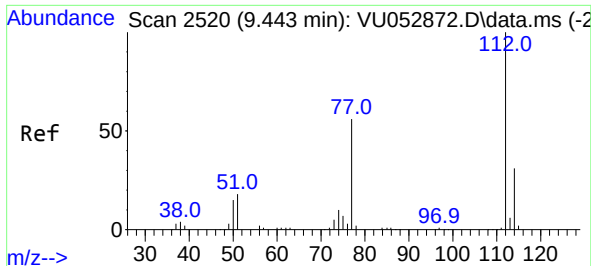
Reviewed By :Krupa Patel 02/01/2023
Supervised By :Mahesh Dadoda 02/01/2023



#34
Trichloroethene
Concen: 199.680 ug/L
RT: 6.536 min Scan# 1616
Delta R.T. -0.003 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27

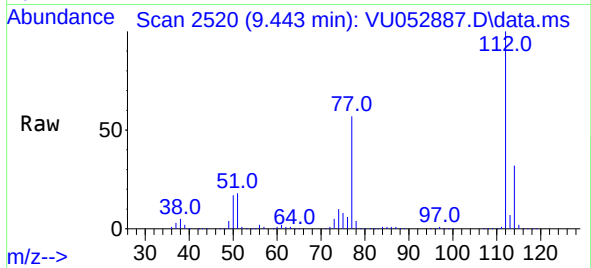
Tgt Ion: 95 Resp: 366513
Ion Ratio Lower Upper
95 100
97 65.5 44.5 82.7
132 100.0 66.8 124.0
130 104.0 71.9 133.5





#51
Chlorobenzene
Concen: 632.642 ug/L
RT: 9.443 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27

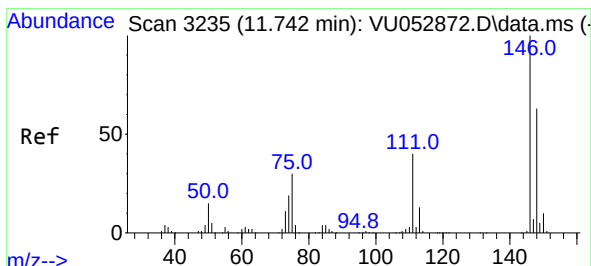
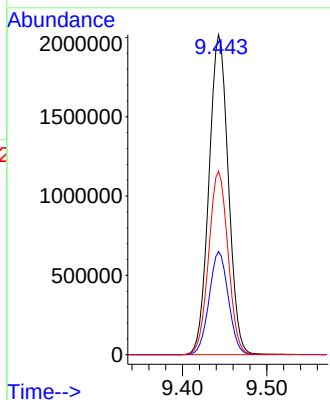
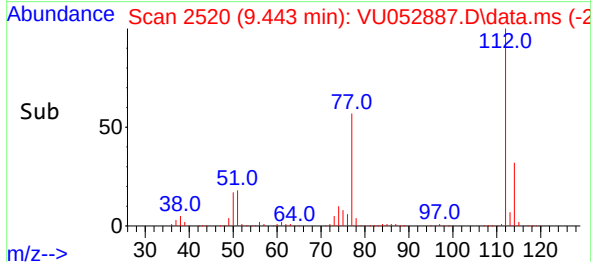
Instrument :
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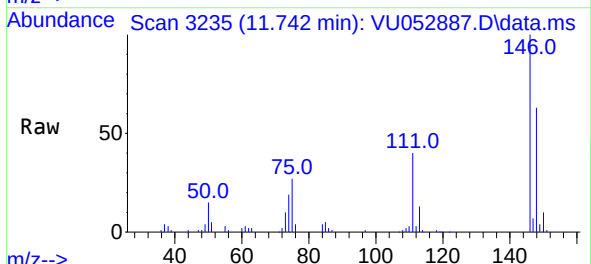
Tgt Ion:112 Resp: 322138
Ion Ratio Lower Upper
112 100
114 32.2 22.8 42.4
77 57.4 45.9 68.9

Manual Integrations
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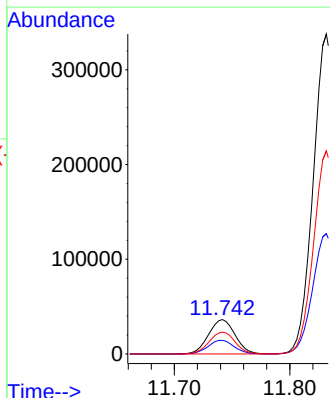
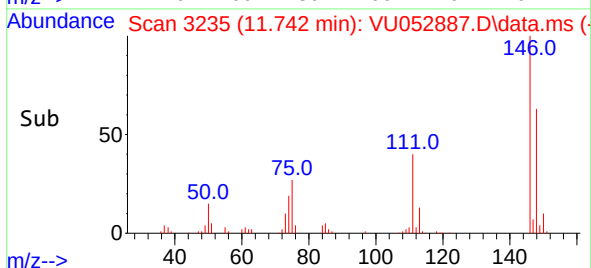
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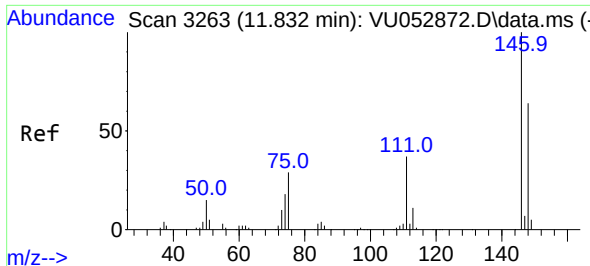


#64
1,3-Dichlorobenzene
Concen: 16.077 ug/L
RT: 11.742 min Scan# 3235
Delta R.T. 0.000 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27



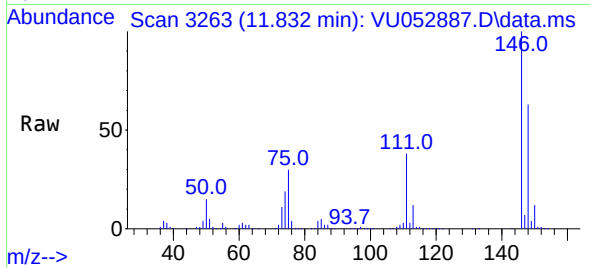
Tgt Ion:146 Resp: 58017
Ion Ratio Lower Upper
146 100
111 39.7 27.8 51.6
148 63.3 45.5 84.5





#65
1,4-Dichlorobenzene
Concen: 136.909 ug/L
RT: 11.832 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27

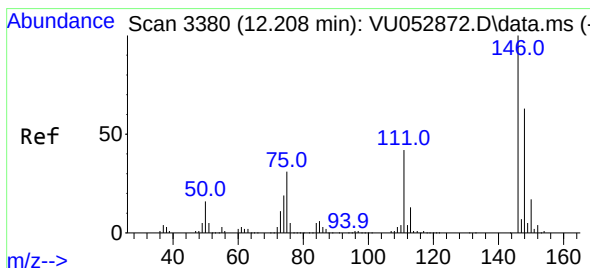
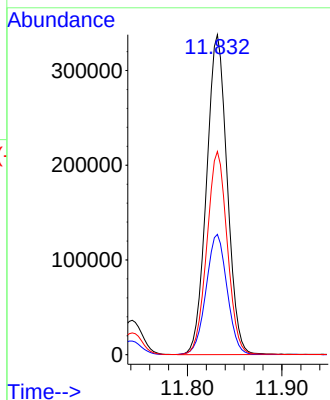
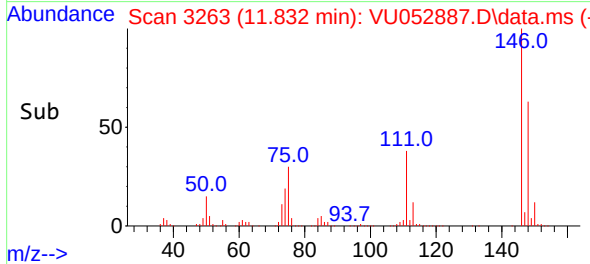
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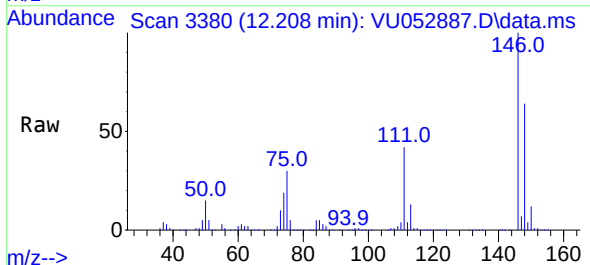
Tgt Ion:146 Resp: 511486
Ion Ratio Lower Upper
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111 37.6 26.7 49.7
148 63.5 45.6 84.6

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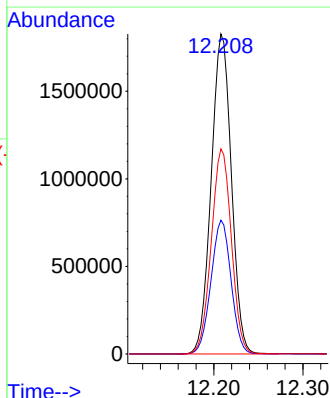
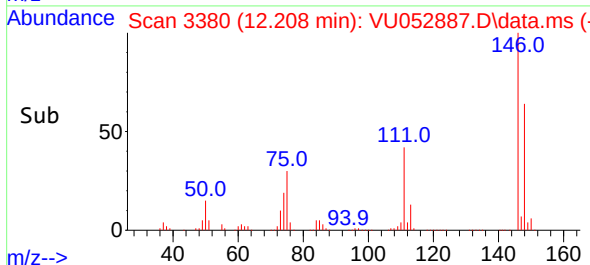
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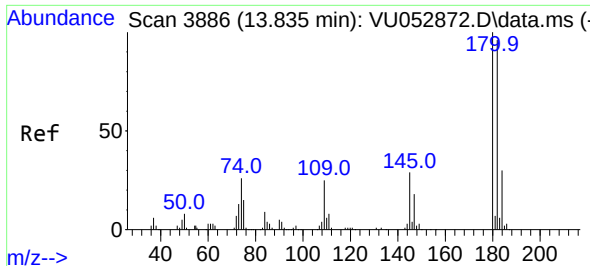


#67
1,2-Dichlorobenzene
Concen: 787.387 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. 0.000 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27



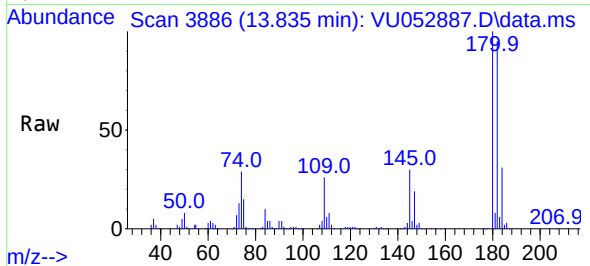
Tgt Ion:146 Resp: 2874095
Ion Ratio Lower Upper
146 100
111 41.8 33.2 49.8
148 64.1 50.2 75.4





#70
1,2,4-trichlorobenzene
Concen: 218.909 ug/L
RT: 13.835 min Scan# 3886
Delta R.T. 0.000 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27

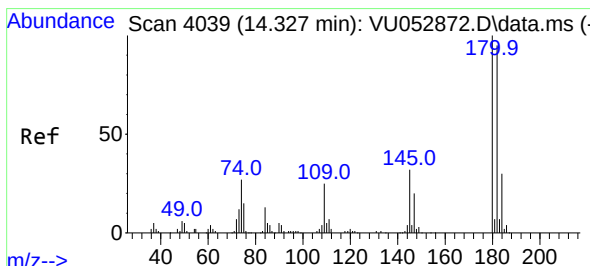
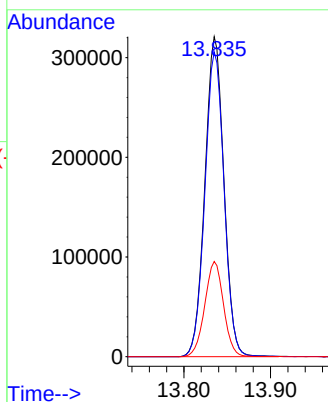
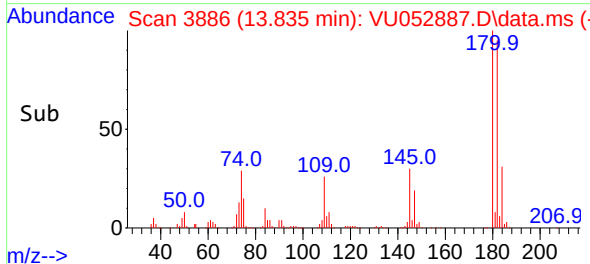
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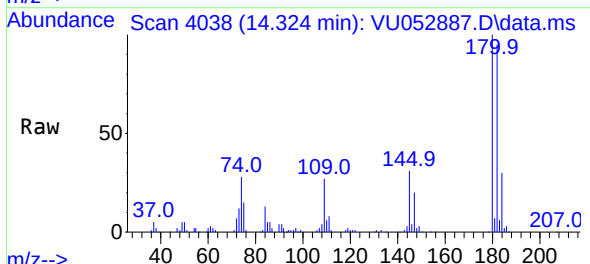
Tgt Ion:180 Resp: 490330
Ion Ratio Lower Upper
180 100
182 96.0 78.2 117.2
145 29.4 23.4 35.2

Manual Integrations
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Supervised By :Mahesh Dadoda 02/01/2023



#72
1,2,3-Trichlorobenzene
Concen: 46.855 ug/L
RT: 14.324 min Scan# 4038
Delta R.T. -0.003 min
Lab File: VU052887.D
Acq: 31 Jan 2023 18:27



Tgt Ion:180 Resp: 110913
Ion Ratio Lower Upper
180 100
182 95.5 77.5 116.3
145 31.5 24.2 36.4

