

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020123\
 Data File : VU052917.D
 Acq On : 01 Feb 2023 19:50
 Operator : JC/MD
 Sample : 01381-10
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A44K7

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/03/2023
 Supervised By :Mahesh Dadoda 02/03/2023

Quant Time: Feb 01 21:01:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 01 20:03:09 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	218362	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.443	117	253172	50.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.819	152	177816	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	55106	35.062	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	70.120%	
7) Chloroethane-d5	1.899	69	52290	40.378	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	80.760%	
11) 1,1-Dichloroethene-d2	2.559	63	95365	30.507	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	61.020%	
21) 2-Butanone-d5	4.629	46	69919	72.014	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	72.010%	
24) Chloroform-d	5.057	84	139441	41.572	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	83.140%	
26) 1,2-Dichloroethane-d4	5.697	65	93780	43.787	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	87.580%	
32) Benzene-d6	5.726	84	278904	36.058	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	72.120%	
36) 1,2-Dichloropropane-d6	6.693	67	77838	34.312	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	68.620%#	
41) Toluene-d8	7.896	98	284423	40.382	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	80.760%	
43) trans-1,3-Dichloroprop...	8.179	79	49028	43.120	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	86.240%	
47) 2-Hexanone-d5	8.645	63	56347	70.691	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	70.690%	
56) 1,1,2,2-Tetrachloroeth...	10.754	84	124380	37.110	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	74.220%	
66) 1,2-Dichlorobenzene-d4	12.237	152	183543	53.159	ug/L	0.05
Spiked Amount 50.000	Range 80	- 120	Recovery	=	106.320%	
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.575	96	7935	4.912	ug/L #	1
17) trans-1,2-Dichloroethene	3.346	96	1951	1.118	ug/L	96
20) cis-1,2-Dichloroethene	4.658	96	86901	46.625	ug/L	95
25) Chloroform	5.083	83	25655	7.465	ug/L	96
29) Cyclohexane	5.388	56	6070	2.023	ug/L #	95
30) 1,1,1-Trichloroethane	5.314	97	21053	5.653	ug/L	96
33) Benzene	5.771	78	334829	38.852	ug/L	100
34) Trichloroethene	6.549	95	29003133m	13240.710	ug/L	
35) Methylcyclohexane	6.764	83	7039	2.030	ug/L #	74
42) Toluene	7.967	91	144808	16.395	ug/L	97
46) Tetrachloroethene	8.552	164	4338	2.300	ug/L	94
51) Chlorobenzene	9.446	112	38785532m	6382.727	ug/L	
53) m,p-Xylene	9.690	106	5659	1.481	ug/L	87
64) 1,3-Dichlorobenzene	11.748	146	4844955	836.186	ug/L	99
65) 1,4-Dichlorobenzene	11.838	146	21074231m	3513.363	ug/L	
67) 1,2-Dichlorobenzene	12.214	146	40952832m	6987.859	ug/L	
70) 1,2,4-trichlorobenzene	13.838	180	854474	237.600	ug/L	98
72) 1,2,3-Trichlorobenzene	14.327	180	113526	29.870	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

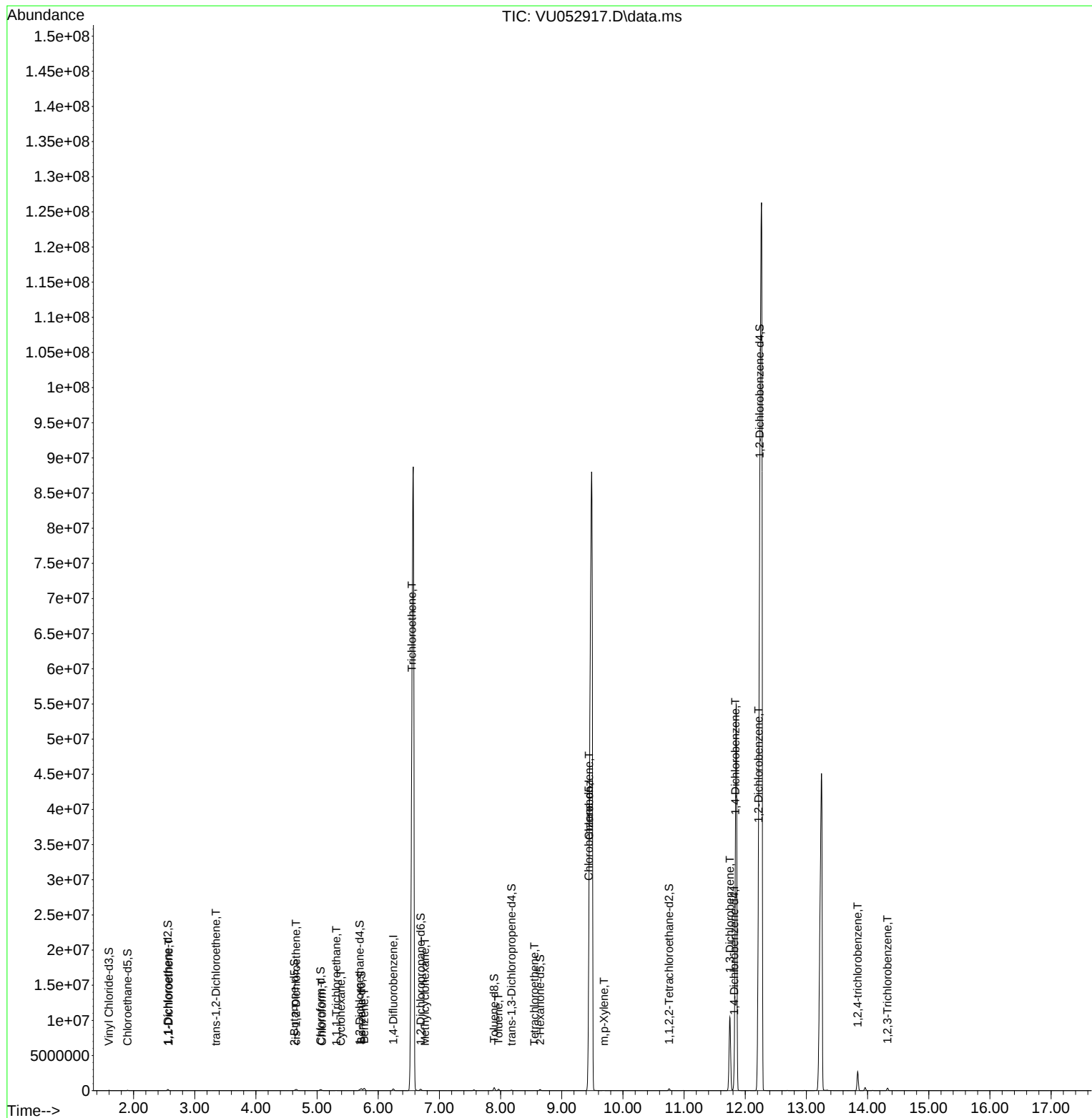
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020123\
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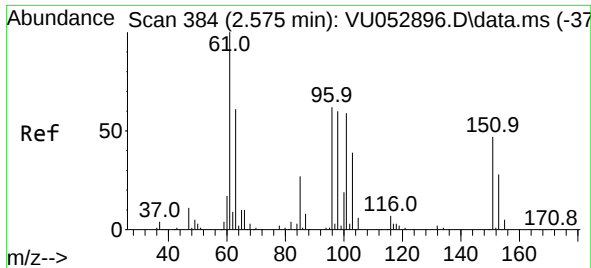
Instrument :
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Quant Time: Feb 01 21:01:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM012623WMA.M
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#12

1,1-Dichloroethene

Concen: 4.912 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU052917.D

Acq: 01 Feb 2023 19:50

Instrument :

MSVOA_U

ClientSampleId :

A44K7

Tgt Ion: 96 Resp: 793

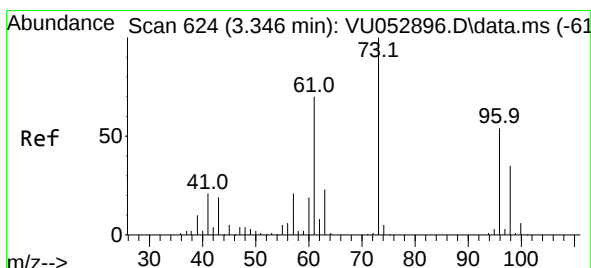
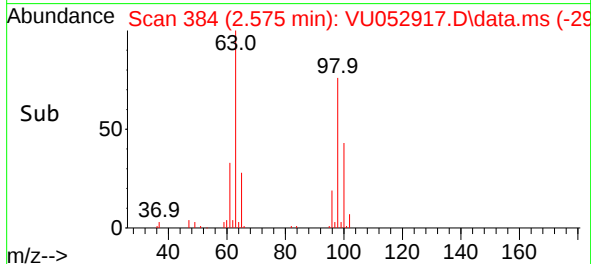
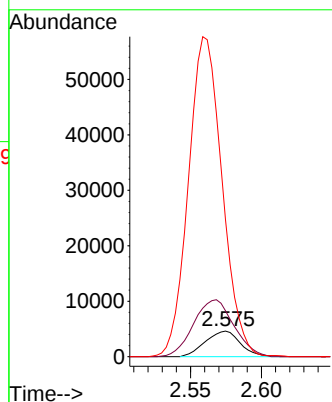
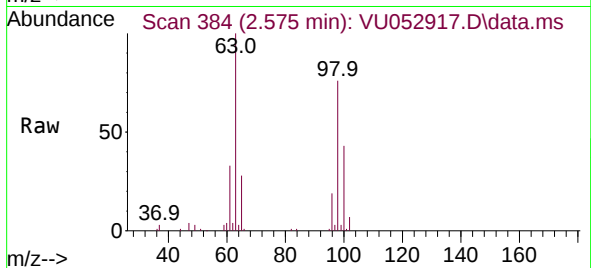
Ion	Ratio	Lower	Upper
96	100		
61	179.6	114.3	212.3
63	537.2	80.6	149.6

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#17

trans-1,2-Dichloroethene

Concen: 1.118 ug/L

RT: 3.346 min Scan# 624

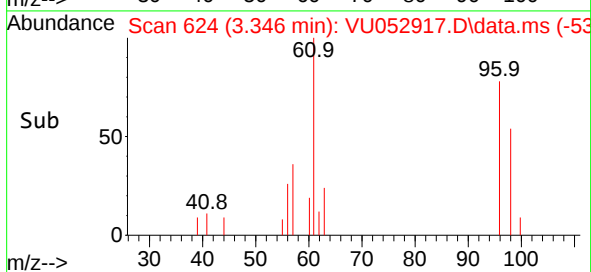
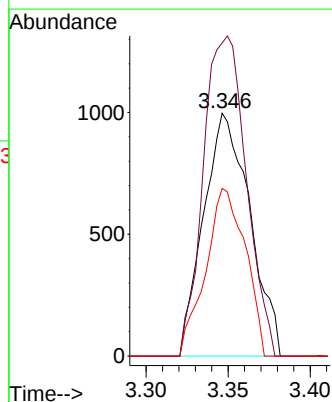
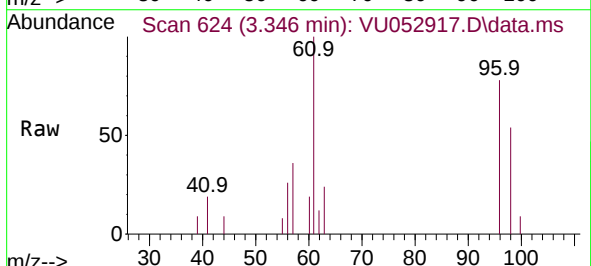
Delta R.T. -0.000 min

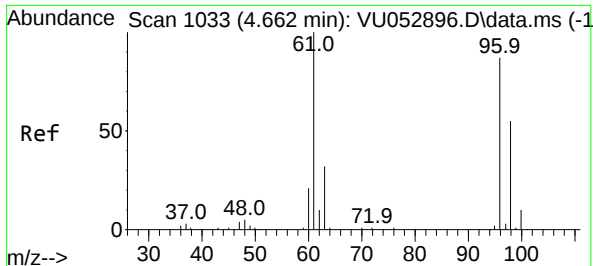
Lab File: VU052917.D

Acq: 01 Feb 2023 19:50

Tgt Ion: 96 Resp: 1951

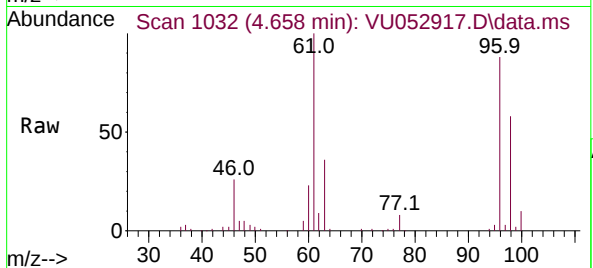
Ion	Ratio	Lower	Upper
96	100		
61	128.9	92.7	172.3
98	69.0	44.7	82.9





#20
cis-1,2-Dichloroethene
Concen: 46.625 ug/L
RT: 4.658 min Scan# 1032
Delta R.T. -0.003 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

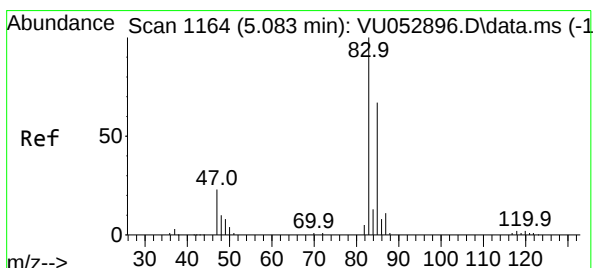
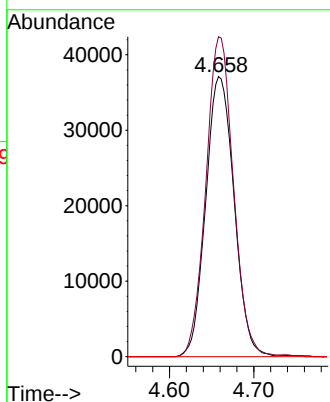
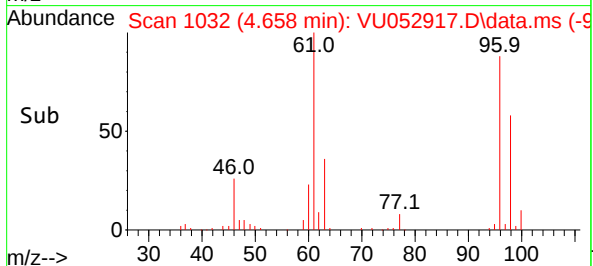
Instrument :
MSVOA_U
ClientSampleId :
A44K7



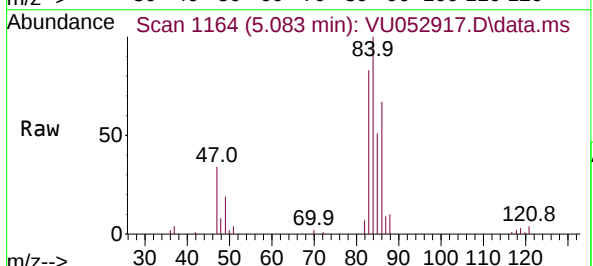
Tgt Ion: 96 Resp: 8690
Ion Ratio Lower Upper
96 100
61 114.2 84.1 156.1
68 0.0 0.0 0.0

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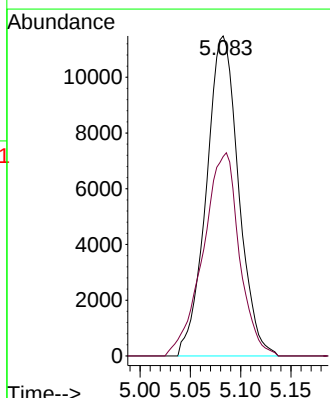
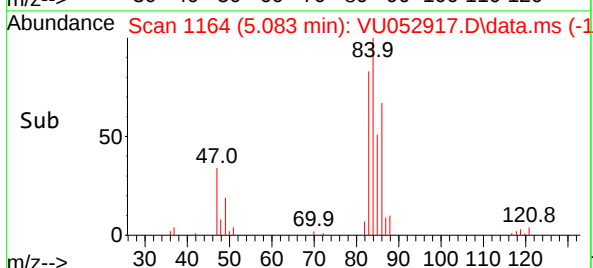
Reviewed By :Krupa Patel 02/03/2023
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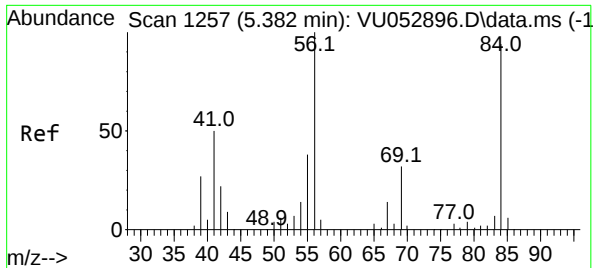


#25
Chloroform
Concen: 7.465 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. -0.000 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50



Tgt Ion: 83 Resp: 25655
Ion Ratio Lower Upper
83 100
85 62.3 45.8 85.0





#29

Cyclohexane

Concen: 2.023 ug/L

RT: 5.388 min Scan# 1259

Delta R.T. 0.006 min

Lab File: VU052917.D

Acq: 01 Feb 2023 19:50

Instrument :

MSVOA_U

ClientSampleId :

A44K7

Tgt Ion: 56 Resp: 6070

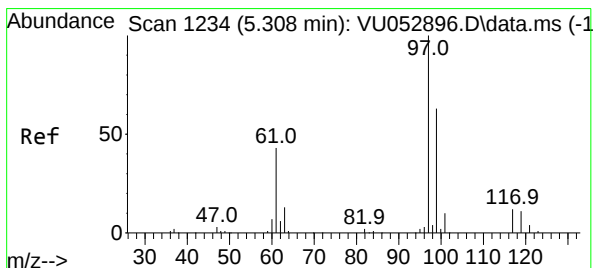
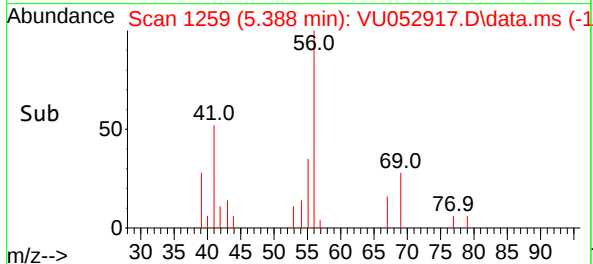
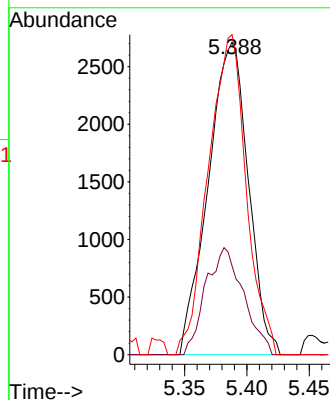
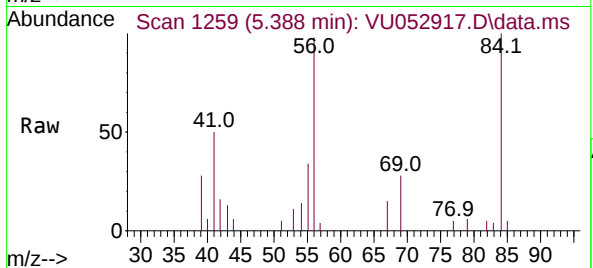
Ion	Ratio	Lower	Upper
56	100		
69	23.4	26.6	40.0
84	96.8	77.0	115.4

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Supervised By :Mahesh Dadoda 02/03/2023



#30

1,1,1-Trichloroethane

Concen: 5.653 ug/L

RT: 5.314 min Scan# 1236

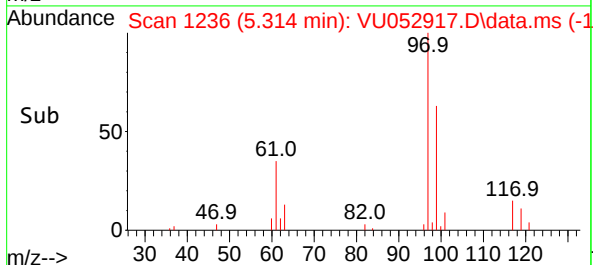
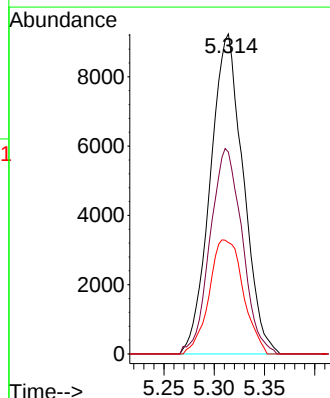
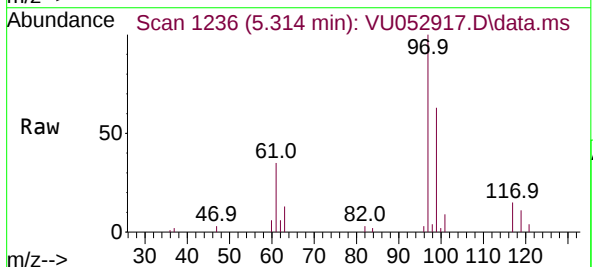
Delta R.T. 0.006 min

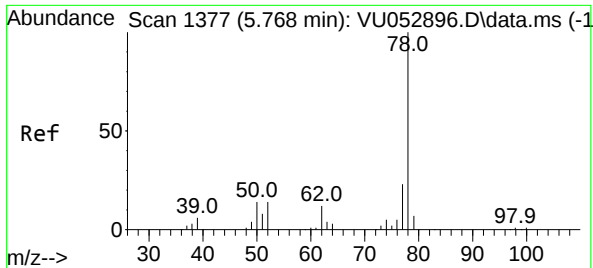
Lab File: VU052917.D

Acq: 01 Feb 2023 19:50

Tgt Ion: 97 Resp: 21053

Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.4	77.0
61	36.7	33.0	49.6





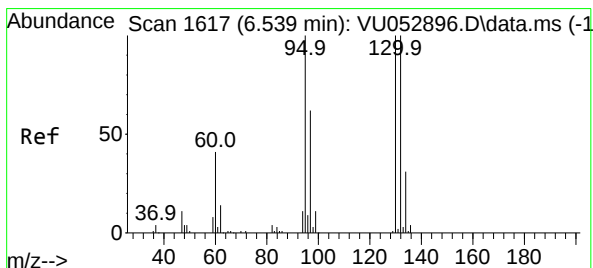
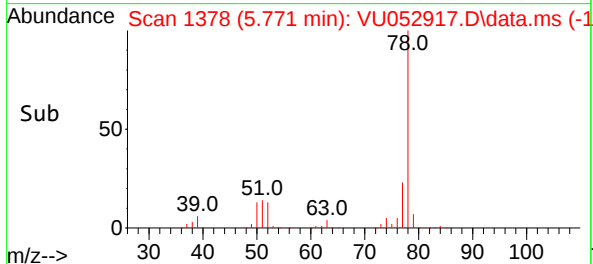
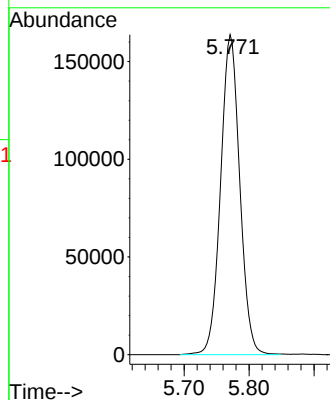
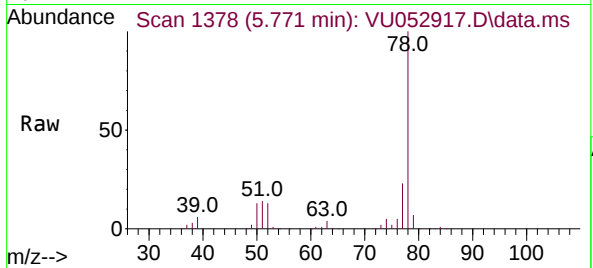
#33
Benzene
Concen: 38.852 ug/L
RT: 5.771 min Scan# 1377
Delta R.T. 0.003 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

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Tgt Ion: 78 Resp: 334829

Manual Integrations
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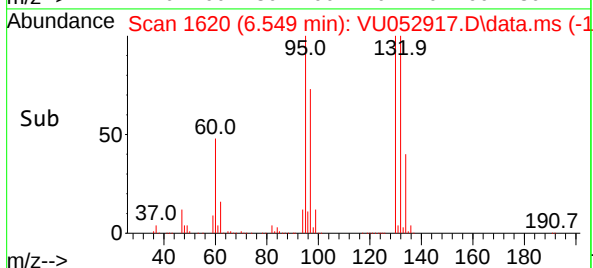
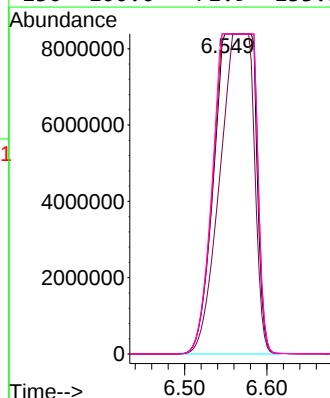
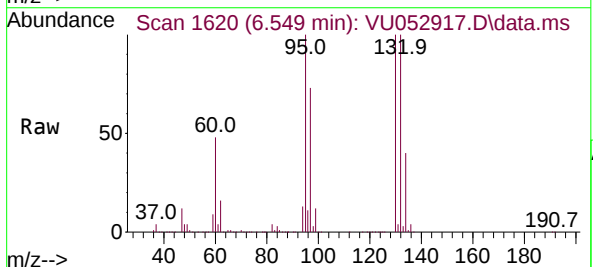
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023

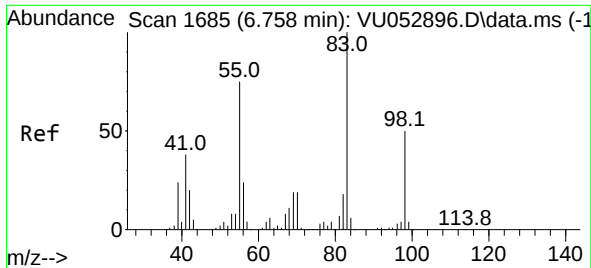


#34
Trichloroethene
Concen: 13240.710 ug/L m
RT: 6.549 min Scan# 1620
Delta R.T. 0.010 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

Tgt Ion: 95 Resp:29003133

Ion	Ratio	Lower	Upper
95	100		
97	73.4	44.5	82.7
132	100.0	66.8	124.0
130	100.0	71.9	133.5





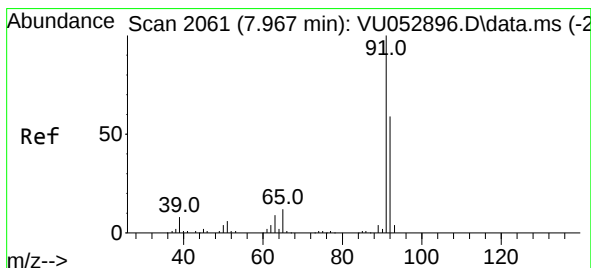
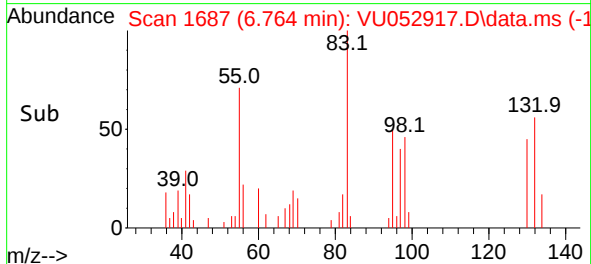
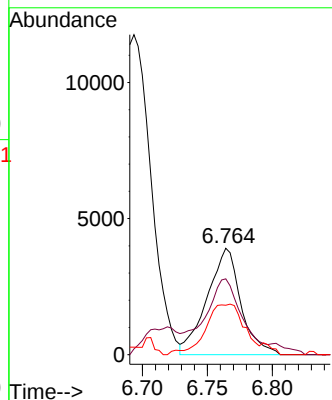
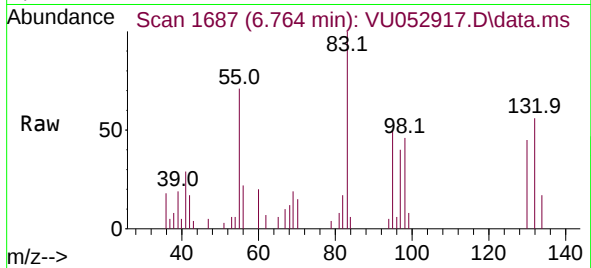
#35
Methylcyclohexane
Concen: 2.030 ug/L
RT: 6.764 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

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Tgt Ion: 83 Resp: 7039
Ion Ratio Lower Upper
83 100
55 54.3 57.1 85.7
98 25.2 38.9 58.3

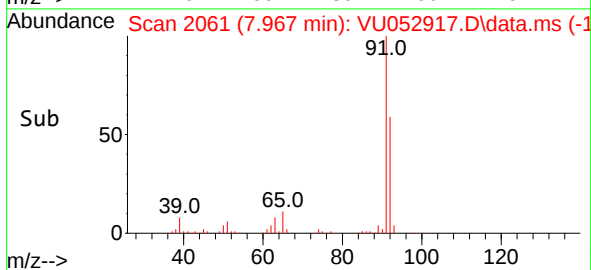
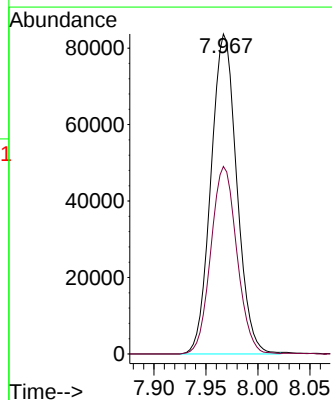
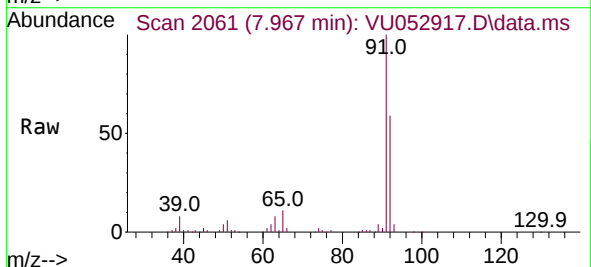
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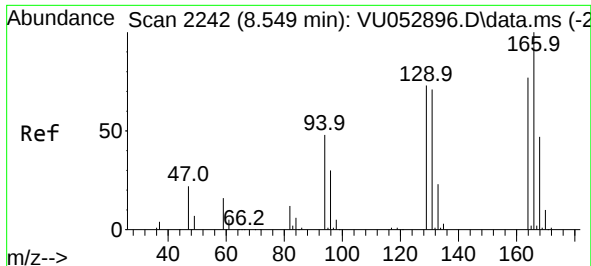
Reviewed By :Krupa Patel 02/03/2023
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#42
Toluene
Concen: 16.395 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

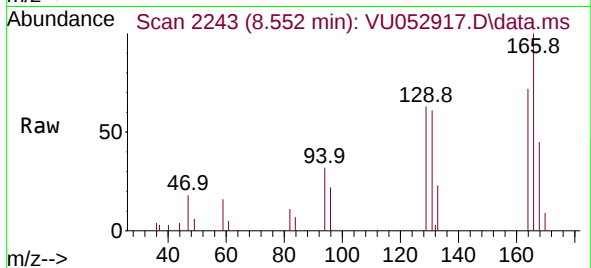
Tgt Ion: 91 Resp: 144808
Ion Ratio Lower Upper
91 100
92 58.6 42.6 79.0





#46
Tetrachloroethene
Concen: 2.300 ug/L
RT: 8.552 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

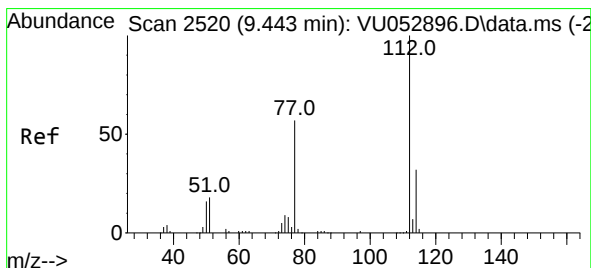
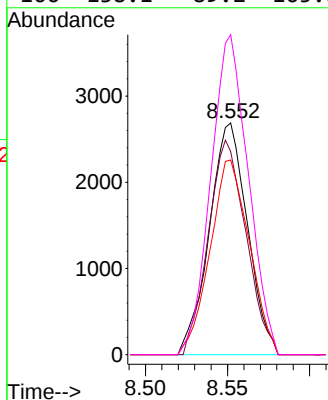
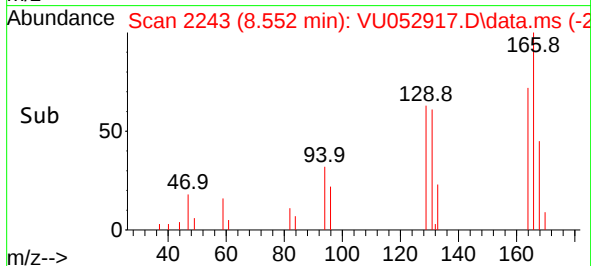
Instrument :
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Tgt Ion:164 Resp: 4338
Ion Ratio Lower Upper
164 100
129 87.7 64.8 120.3
131 84.1 61.2 113.6
166 138.1 89.2 165.8

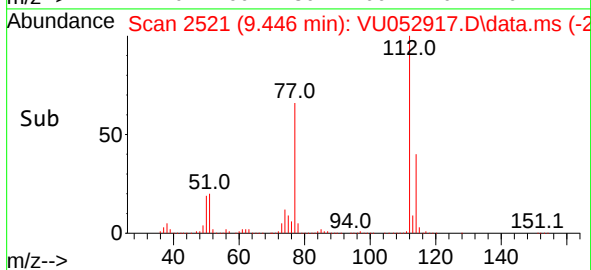
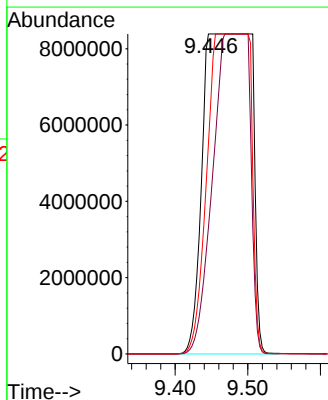
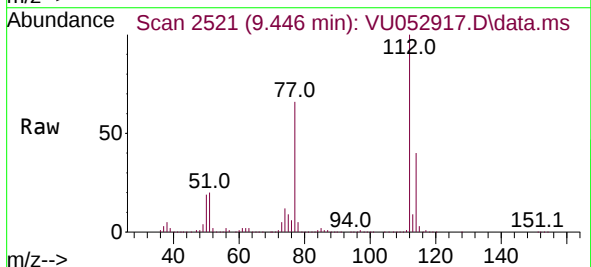
Manual Integrations
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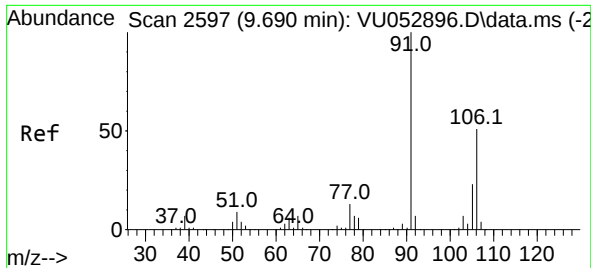
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#51
Chlorobenzene
Concen: 6382.727 ug/L m
RT: 9.446 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

Tgt Ion:112 Resp:38785532
Ion Ratio Lower Upper
112 100
114 39.6 22.8 42.4
77 65.7 45.9 68.9





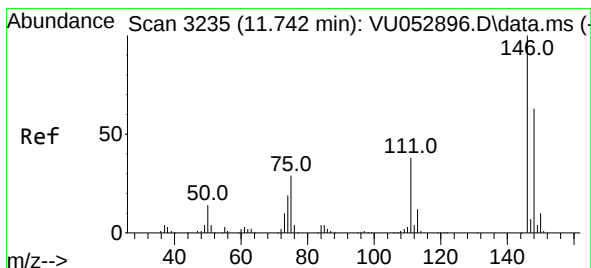
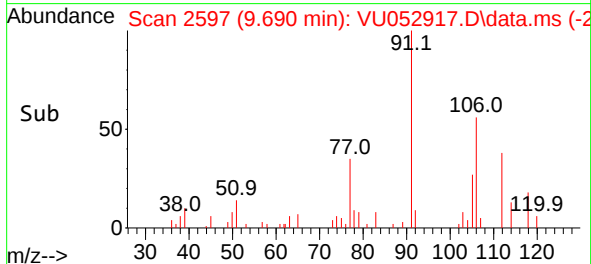
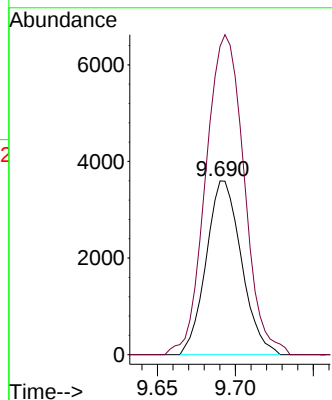
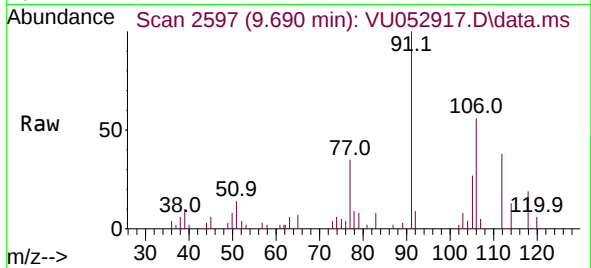
#53
m,p-Xylene
Concen: 1.481 ug/L
RT: 9.690 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

Instrument :
MSVOA_U
ClientSampleId :
A44K7

Tgt Ion:106 Resp: 565
Ion Ratio Lower Upper
106 100
91 177.3 137.4 255.2

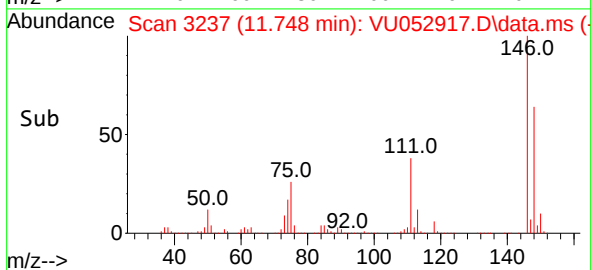
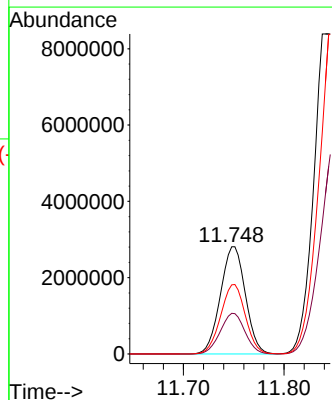
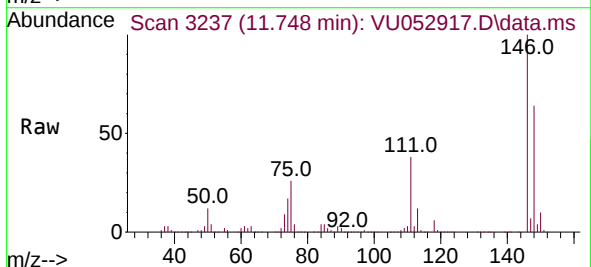
Manual Integrations
APPROVED

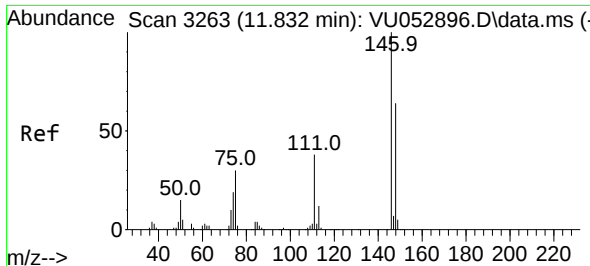
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#64
1,3-Dichlorobenzene
Concen: 836.186 ug/L
RT: 11.748 min Scan# 3237
Delta R.T. 0.006 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

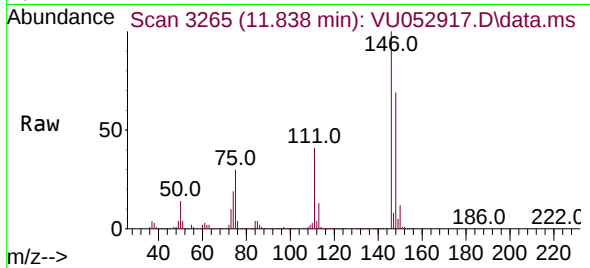
Tgt Ion:146 Resp: 4844955
Ion Ratio Lower Upper
146 100
111 38.0 27.8 51.6
148 64.4 45.5 84.5





#65
1,4-Dichlorobenzene
Concen: 3513.363 ug/L m
RT: 11.838 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

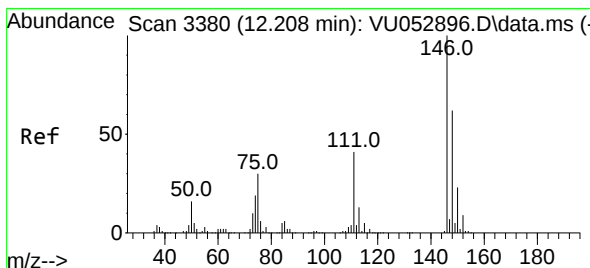
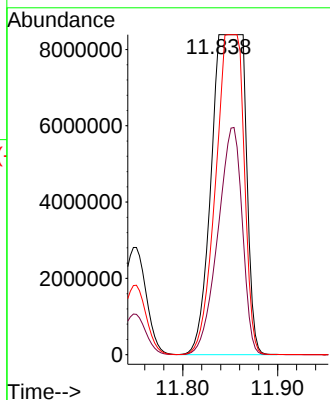
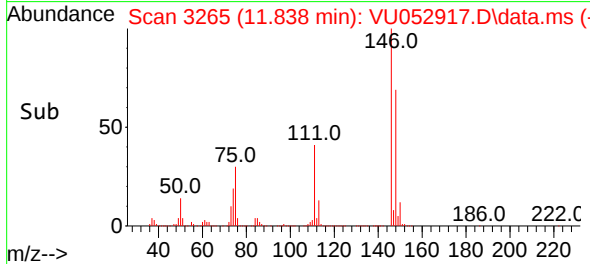
Instrument :
MSVOA_U
ClientSampleId :
A44K7



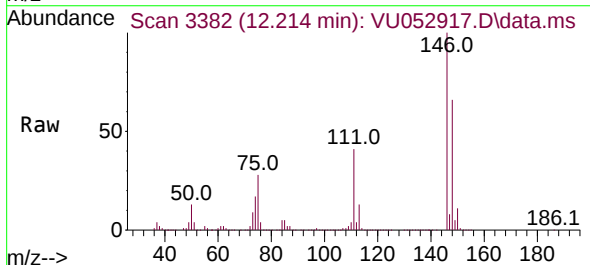
Tgt Ion:146 Resp:2107423
Ion Ratio Lower Upper
146 100
111 40.9 26.7 49.7
148 69.2 45.6 84.6

Manual Integrations
APPROVED

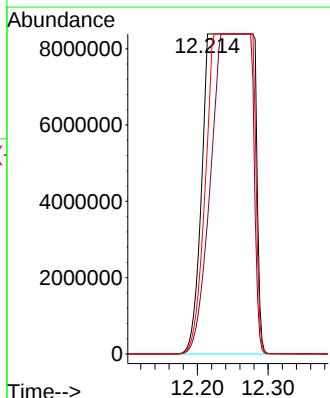
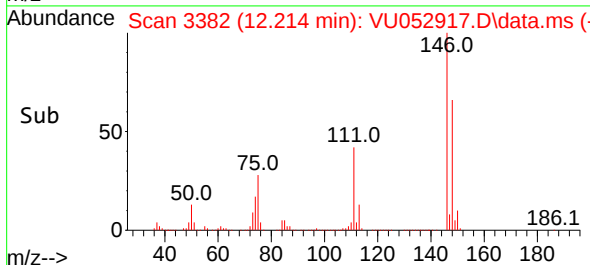
Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023

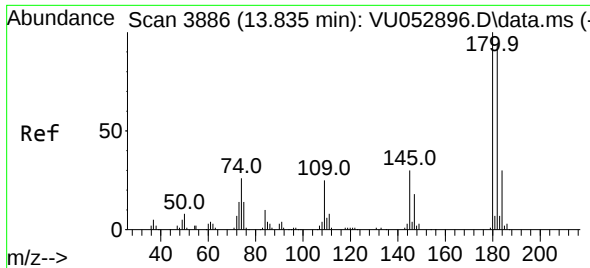


#67
1,2-Dichlorobenzene
Concen: 6987.859 ug/L m
RT: 12.214 min Scan# 3382
Delta R.T. 0.006 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50



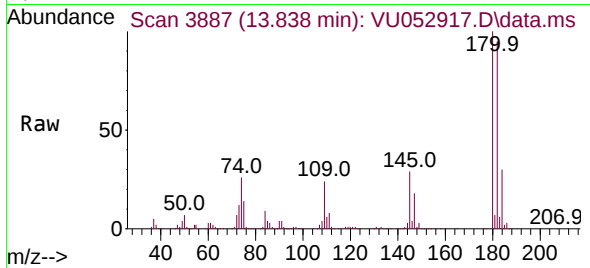
Tgt Ion:146 Resp:40952832
Ion Ratio Lower Upper
146 100
111 41.5 33.2 49.8
148 65.6 50.2 75.4





#70
1,2,4-trichlorobenzene
Concen: 237.600 ug/L
RT: 13.838 min Scan# 3886
Delta R.T. 0.003 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50

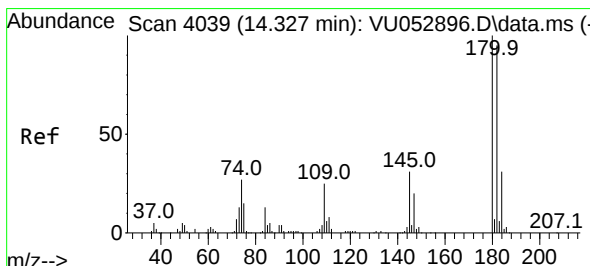
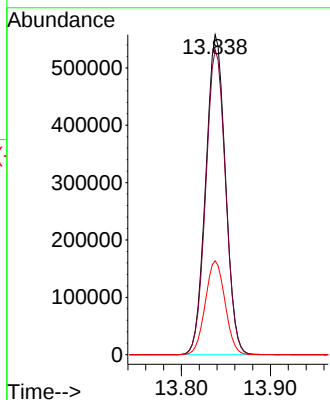
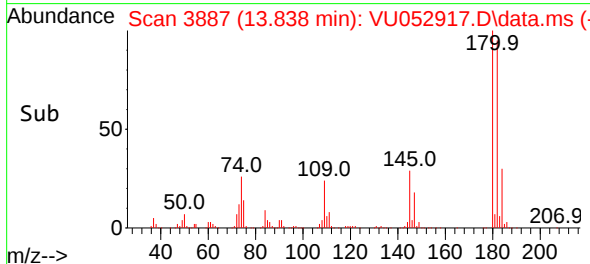
Instrument :
MSVOA_U
ClientSampleId :
A44K7



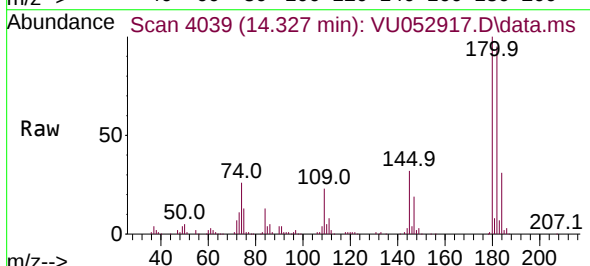
Tgt Ion:180 Resp: 854474
Ion Ratio Lower Upper
180 100
182 95.8 78.2 117.2
145 29.5 23.4 35.2

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/03/2023
Supervised By :Mahesh Dadoda 02/03/2023



#72
1,2,3-Trichlorobenzene
Concen: 29.870 ug/L
RT: 14.327 min Scan# 4039
Delta R.T. -0.000 min
Lab File: VU052917.D
Acq: 01 Feb 2023 19:50



Tgt Ion:180 Resp: 113526
Ion Ratio Lower Upper
180 100
182 94.4 77.5 116.3
145 31.5 24.2 36.4

