

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
 Data File : VU048154.D
 Acq On : 20 Apr 2022 19:37
 Operator : SY/MD
 Sample : N2485-15
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J22

Quant Time: Apr 21 02:44:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 21 02:37:57 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 04/21/2022

Supervised By :Mahesh
 Dadoda
 04/21/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	404143	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.456	117	278367m	50.000	ug/L	0.04
58) 1,4-Dichlorobenzene-d4	11.851	152	264634m	50.000	ug/L	0.04
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	112121	38.257	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	76.520%		
7) Chloroethane-d5	1.913	69	94786	41.018	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	82.040%		
11) 1,1-Dichloroethene-d2	2.568	63	148108	27.622	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	55.240%#		
21) 2-Butanone-d5	4.626	46	204272	81.206	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	81.210%		
24) Chloroform-d	5.067	84	282013	52.591	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	105.180%		
26) 1,2-Dichloroethane-d4	5.716	65	172358m	52.406	ug/L	0.01
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.820%		
32) Benzene-d6	5.764	84	446450	63.738	ug/L	0.04
Spiked Amount 50.000	Range 70 - 125		Recovery =	127.480%#		
36) 1,2-Dichloropropane-d6	6.694	67	149690	69.586	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	139.180%#		
41) Toluene-d8	7.903	98	422528	61.914	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	123.820%#		
43) trans-1,3-Dichloroprop...	8.182	79	65897	60.466	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	120.940%		
47) 2-Hexanone-d5	8.642	63	159700	126.818	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	126.820%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	262545	71.117	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	142.240%#		
66) 1,2-Dichlorobenzene-d4	12.230	152	209734	44.548	ug/L	0.04
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.100%		
Target Compounds					Qvalue	
13) Acetone	2.630	43	551829	235.734	ug/L	99
14) Carbon disulfide	2.797	76	5742	0.655	ug/L	100
16) Methylene chloride	3.047	84	177745	55.874	ug/L	98
19) 1,1-Dichloroethane	3.867	63	3414	0.662	ug/L	92
22) 2-Butanone	4.710	43	51535	17.090	ug/L	97
25) Chloroform	5.089	83	1764147	317.744	ug/L	99
29) Cyclohexane	5.391	56	44503	15.755	ug/L	95
31) Carbon tetrachloride	5.530	117	53151	18.648	ug/L	99
33) Benzene	5.761	78	61033193m	7574.793	ug/L	
35) Methylcyclohexane	6.768	83	8674	2.699	ug/L #	72
40) 4-Methyl-2-pentanone	7.797	43	6327	1.954	ug/L	90
42) Toluene	7.977	91	96404	10.904	ug/L	100
46) Tetrachloroethene	8.555	164	2771	1.460	ug/L	99
51) Chlorobenzene	9.443	112	81141432m	13517.088	ug/L	
53) m,p-Xylene	9.716	106	2786	0.764	ug/L	98
64) 1,3-Dichlorobenzene	11.764	146	14271216	1795.252	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	45800188m	5562.340	ug/L	
67) 1,2-Dichlorobenzene	12.218	146	46016164m	5785.180	ug/L	
70) 1,2,4-trichlorobenzene	13.848	180	8428924	1490.549	ug/L	99

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QLast Update : Thu Apr 21 02:37:57 2022
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.333	180	1901115	335.357	ug/L	99

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

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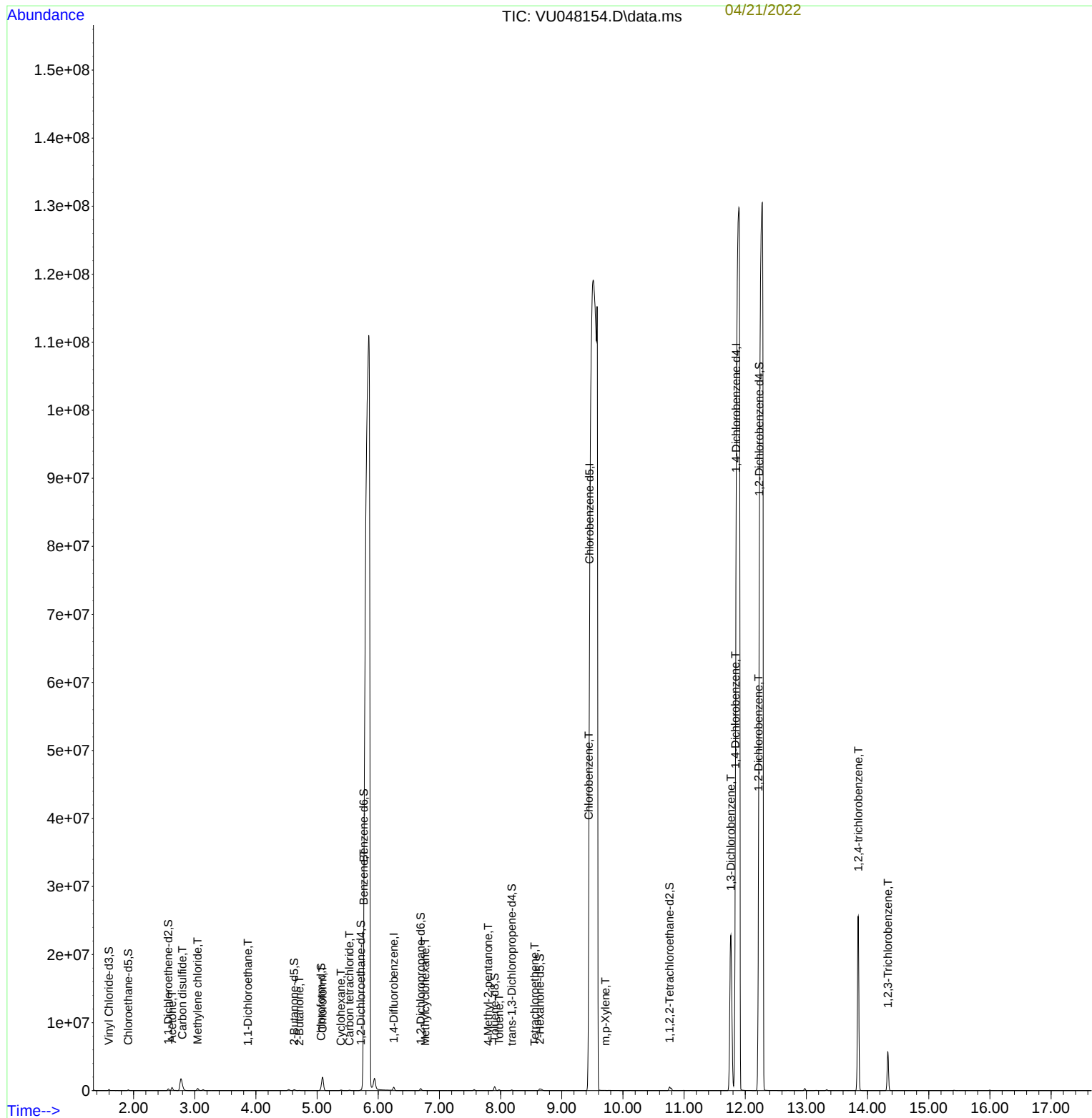
Instrument :
MSVOA_U
ClientSampleId :
C0J22

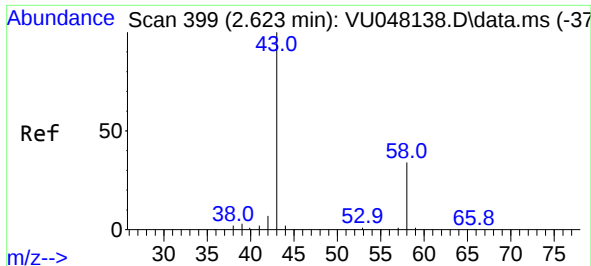
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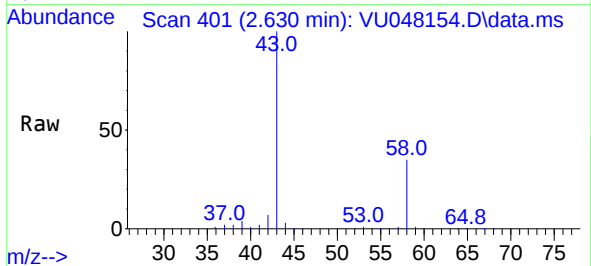
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Dadoda
04/21/2022





#13
Acetone
Concen: 235.734 ug/L
RT: 2.630 min Scan# 401
Delta R.T. 0.006 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

Instrument :
MSVOA_U
ClientSampleId :
C0J22

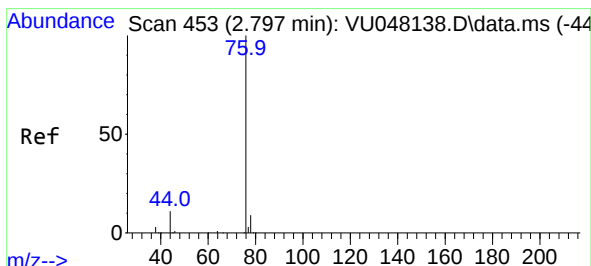
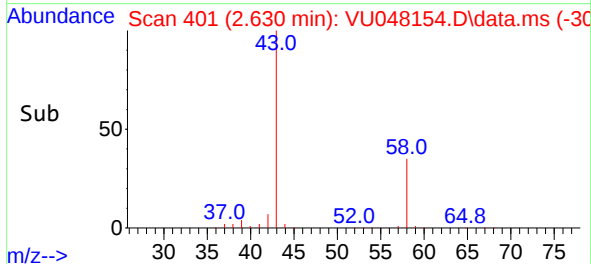
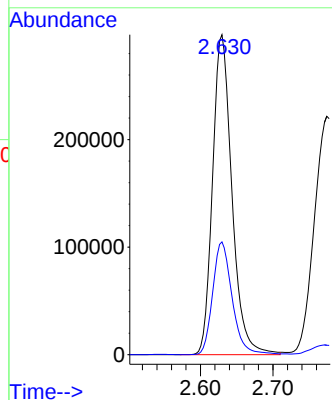


Tgt Ion: 43 Resp: 551829
Ion Ratio Lower Upper
43 100
58 35.6 0.0 70.0

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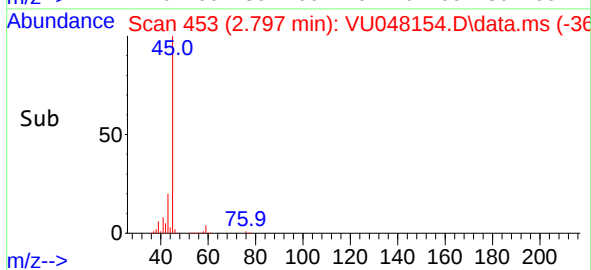
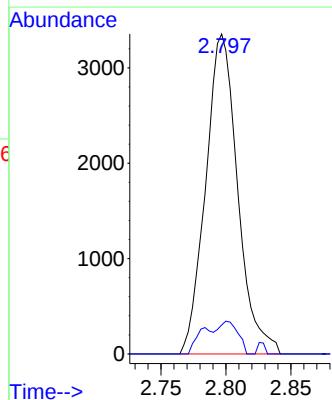
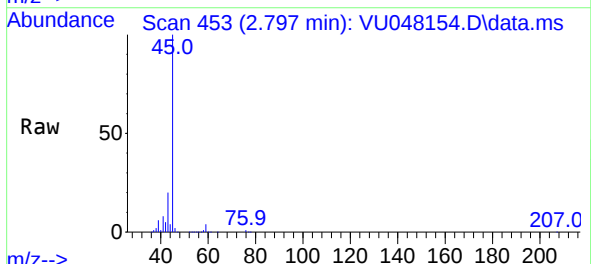
Reviewed By :John
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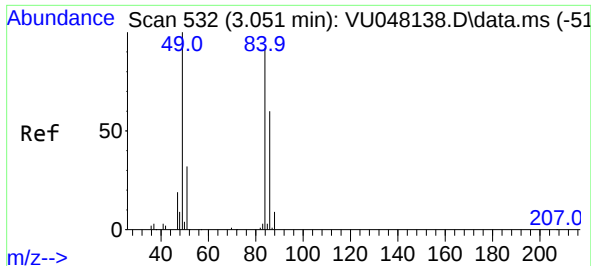
Supervised By :Mahesh
Dadoda
04/21/2022



#14
Carbon disulfide
Concen: 0.655 ug/L
RT: 2.797 min Scan# 453
Delta R.T. 0.000 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

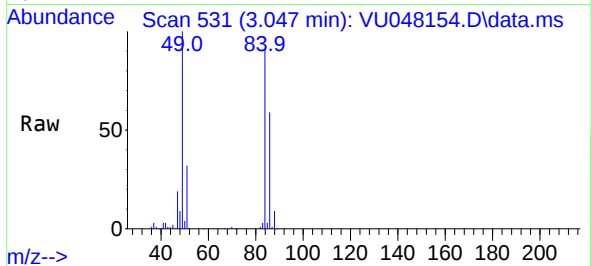
Tgt Ion: 76 Resp: 5742
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0





#16
Methylene chloride
Concen: 55.874 ug/L
RT: 3.047 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

Instrument :
MSVOA_U
ClientSampleId :
C0J22

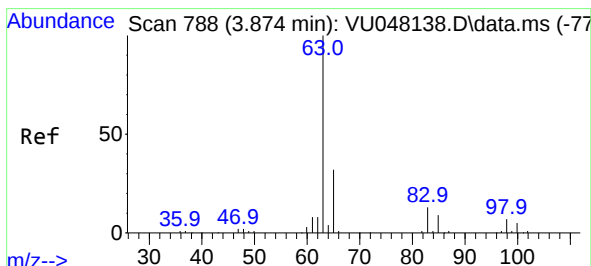
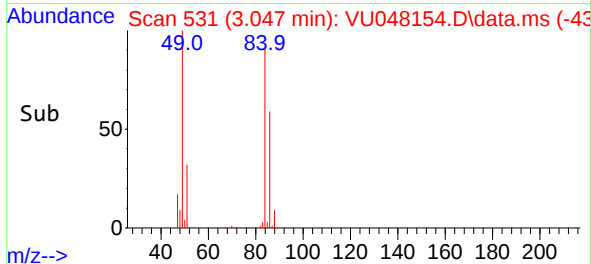
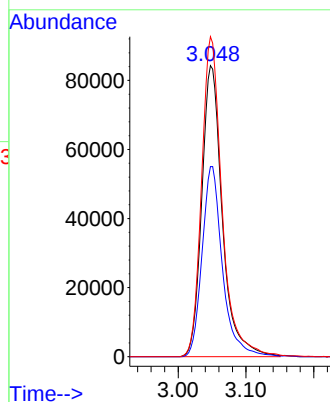


Tgt Ion: 84 Resp: 177749
Ion Ratio Lower Upper
84 100
86 65.3 46.0 85.4
49 109.9 75.3 139.8

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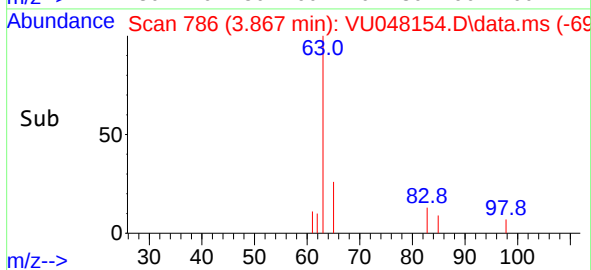
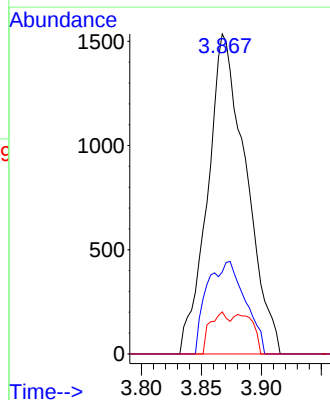
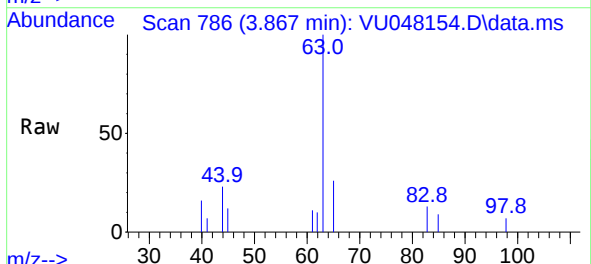
Reviewed By :John
Carlone
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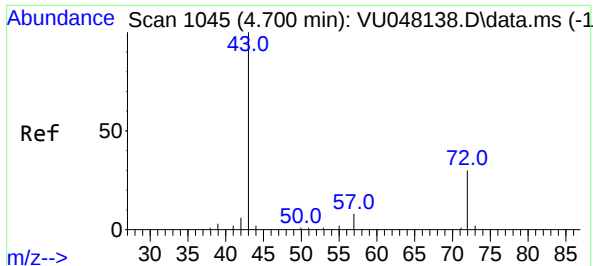
Supervised By :Mahesh
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04/21/2022



#19
1,1-Dichloroethane
Concen: 0.662 ug/L
RT: 3.867 min Scan# 786
Delta R.T. -0.006 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

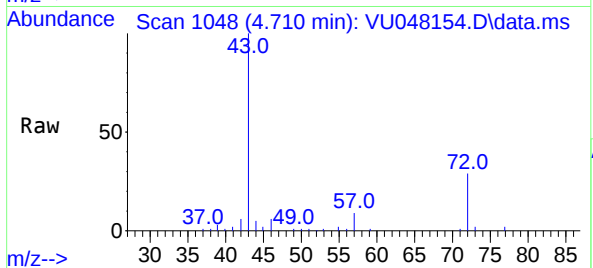
Tgt Ion: 63 Resp: 3414
Ion Ratio Lower Upper
63 100
65 25.7 22.0 41.0
83 13.2 9.7 18.1





#22
2-Butanone
Concen: 17.090 ug/L
RT: 4.710 min Scan# 1045
Delta R.T. 0.010 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

Instrument :
MSVOA_U
ClientSampleId :
C0J22

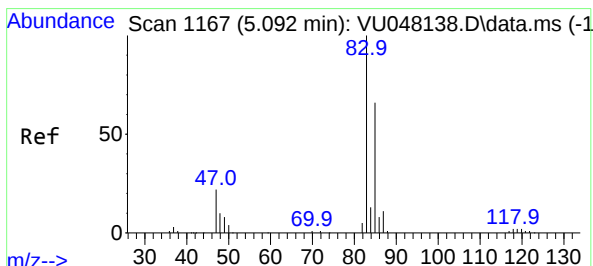
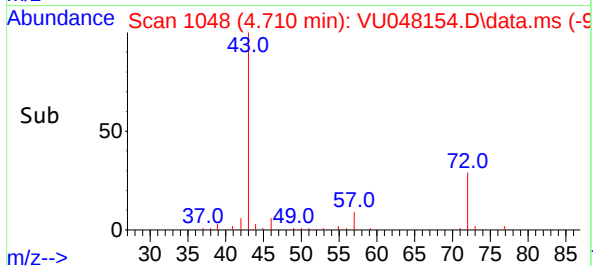
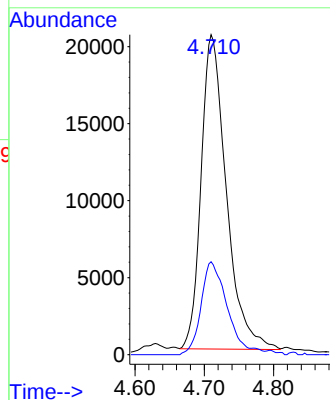


Tgt Ion: 43 Resp: 5153
Ion Ratio Lower Upper
43 100
72 30.0 16.0 47.9

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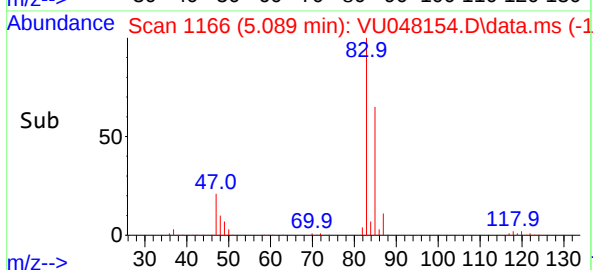
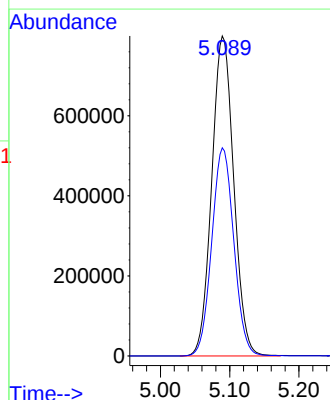
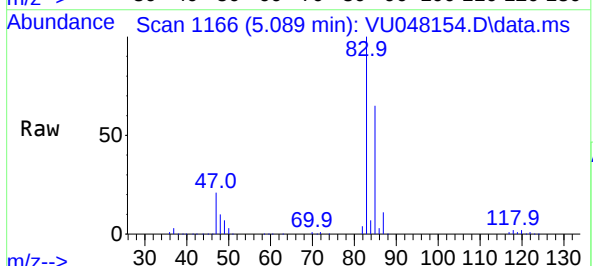
Reviewed By :John
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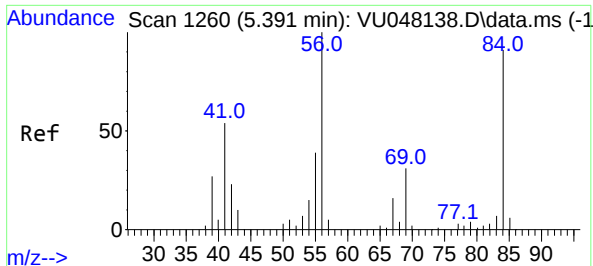
Supervised By :Mahesh
Dadoda
04/21/2022



#25
Chloroform
Concen: 317.744 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

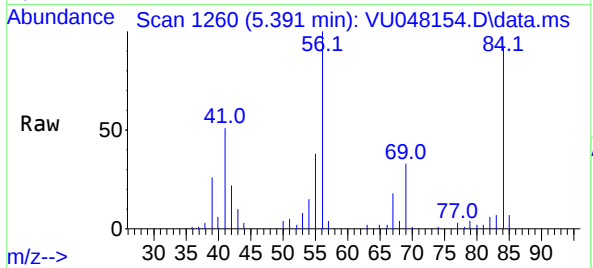
Tgt Ion: 83 Resp: 1764147
Ion Ratio Lower Upper
83 100
85 65.0 46.2 85.8





Cyclohexane
Concen: 15.755 ug/L
RT: 5.391 min Scan# 1260
Delta R.T. 0.000 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

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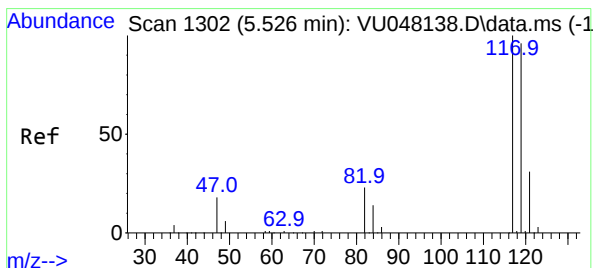
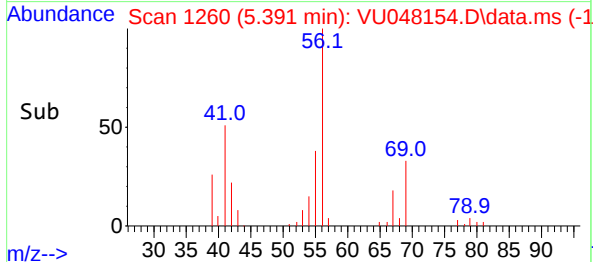
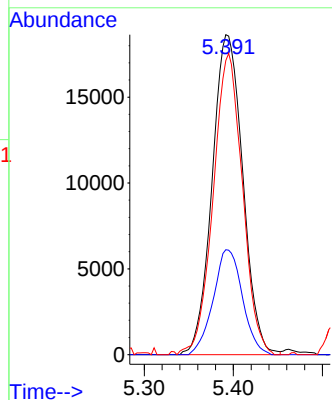


Tgt Ion: 56 Resp: 4450
Ion Ratio Lower Upper
56 100
69 31.4 25.4 38.2
84 89.8 77.0 115.6

Manual Integrations
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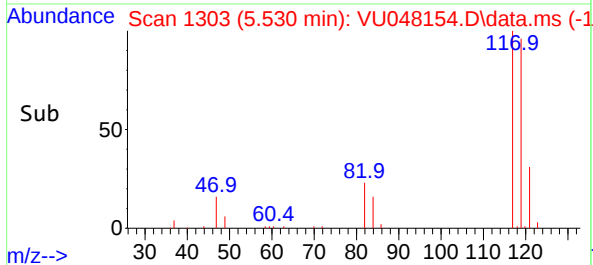
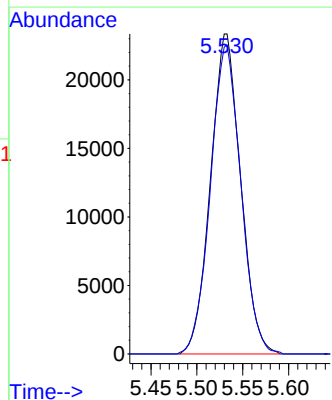
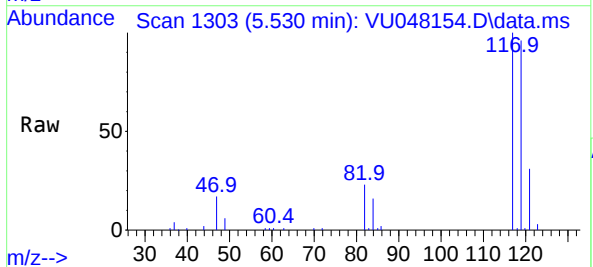
Reviewed By :John
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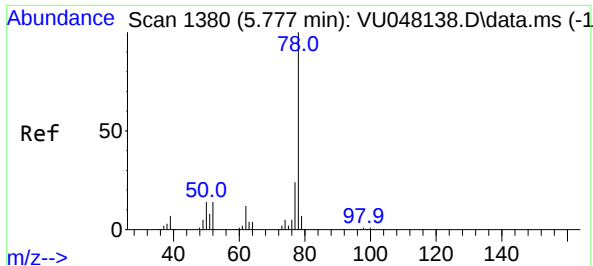
Supervised By :Mahesh
Dadoda
04/21/2022



Carbon tetrachloride
Concen: 18.648 ug/L
RT: 5.530 min Scan# 1303
Delta R.T. 0.003 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

Tgt Ion: 117 Resp: 53151
Ion Ratio Lower Upper
117 100
119 97.7 77.2 115.8





#33
Benzene
Concen: 7574.793 ug/L m
RT: 5.761 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

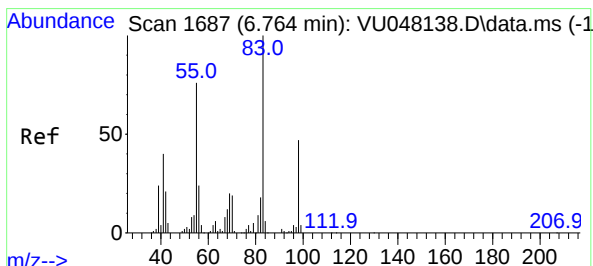
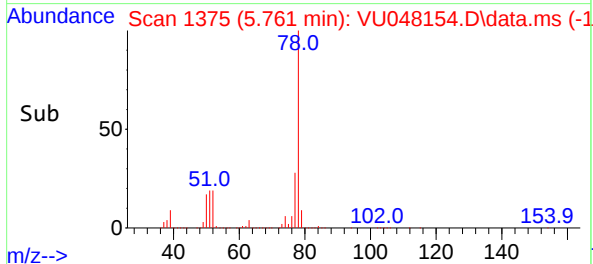
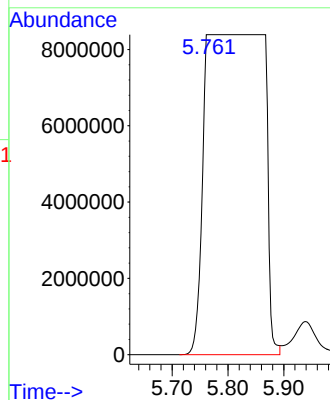
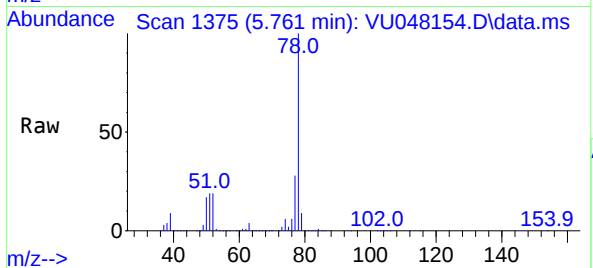
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Tgt Ion: 78 Resp:6103319

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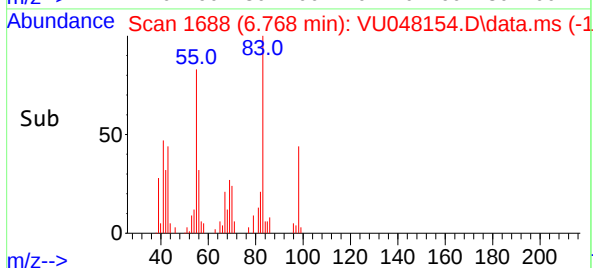
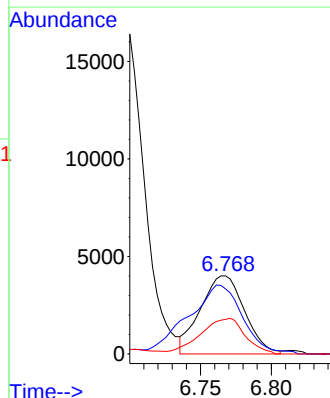
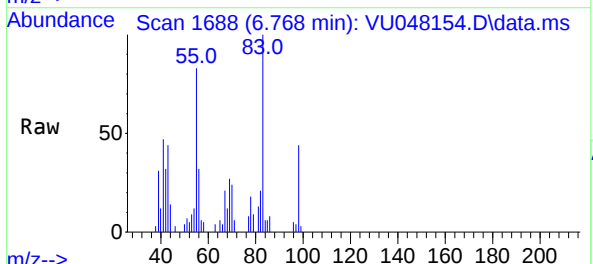
Reviewed By :John
Carlone
04/21/2022

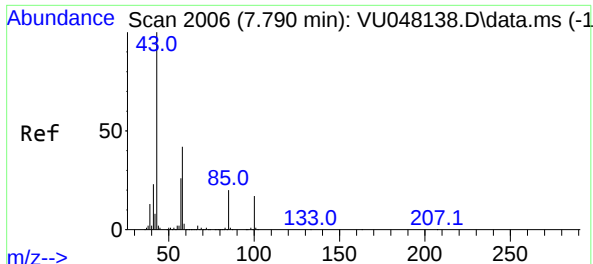
Supervised By :Mahesh
Dadoda
04/21/2022



#35
Methylcyclohexane
Concen: 2.699 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.003 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

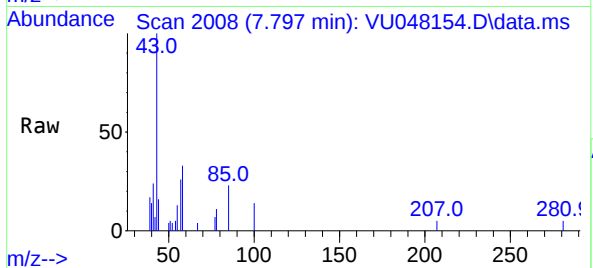
Tgt Ion: 83 Resp: 8674
Ion Ratio Lower Upper
83 100
55 109.0 56.8 85.2#
98 46.1 38.1 57.1





#40
4-Methyl-2-pentanone
Concen: 1.954 ug/L
RT: 7.797 min Scan# 2006
Delta R.T. 0.006 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

Instrument :
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ClientSampleId :
C0J22

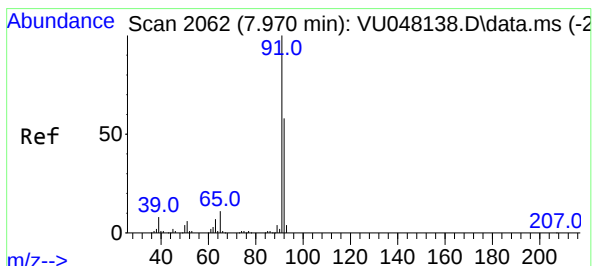
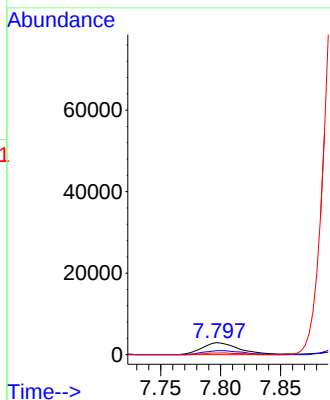
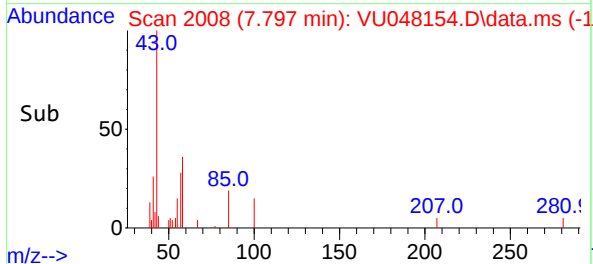


Tgt Ion: 43 Resp: 632
Ion Ratio Lower Upper
43 100
58 36.2 34.7 52.1
100 14.9 14.2 21.2

Manual Integrations
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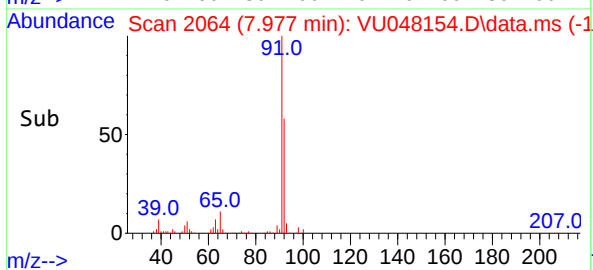
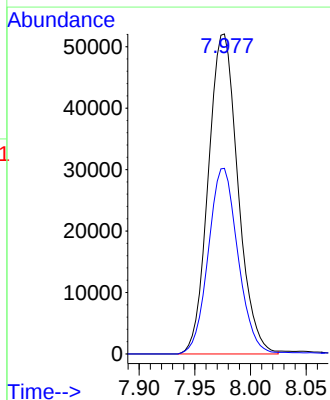
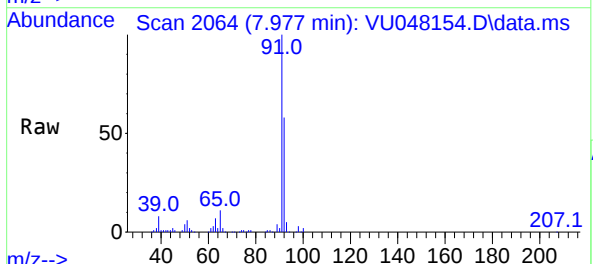
Reviewed By :John
Carlone
04/21/2022

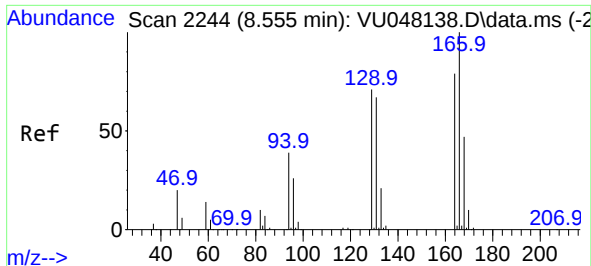
Supervised By :Mahesh
Dadoda
04/21/2022



#42
Toluene
Concen: 10.904 ug/L
RT: 7.977 min Scan# 2064
Delta R.T. 0.006 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

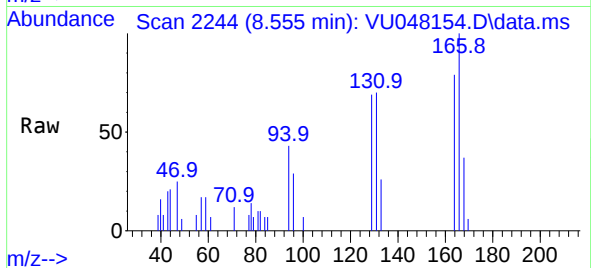
Tgt Ion: 91 Resp: 96404
Ion Ratio Lower Upper
91 100
92 58.0 40.4 75.0





#46
Tetrachloroethene
Concen: 1.460 ug/L
RT: 8.555 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

Instrument :
MSVOA_U
ClientSampleId :
C0J22

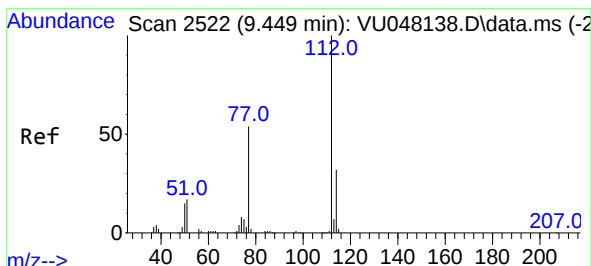
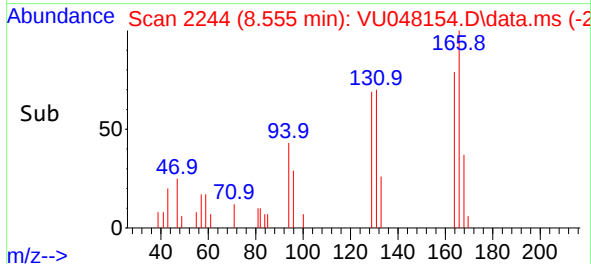
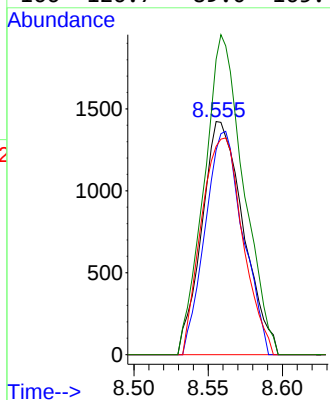


Tgt Ion:164 Resp: 277
Ion Ratio Lower Upper
164 100
129 87.8 62.4 116.0
131 89.3 60.7 112.7
166 126.7 89.0 165.4

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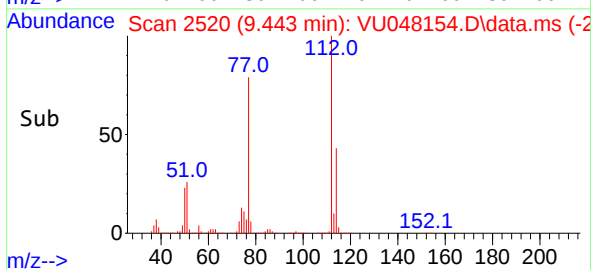
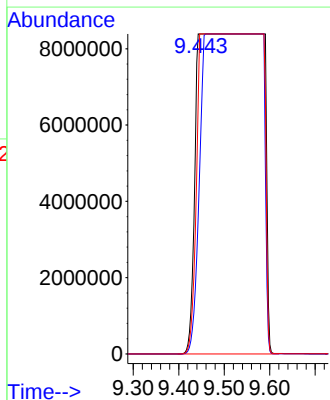
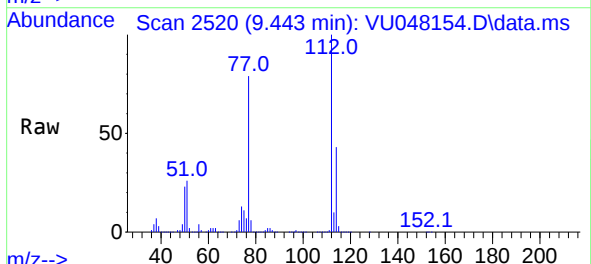
Reviewed By :John
Carlone
04/21/2022

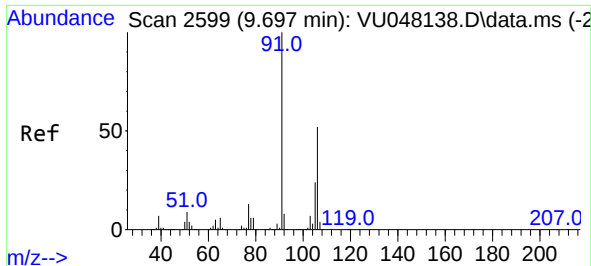
Supervised By :Mahesh
Dadoda
04/21/2022



#51
Chlorobenzene
Concen: 13517.088 ug/L m
RT: 9.443 min Scan# 2520
Delta R.T. -0.006 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

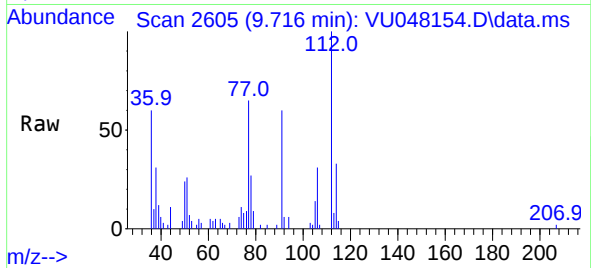
Tgt Ion:112 Resp:81141432
Ion Ratio Lower Upper
112 100
114 42.8 22.1 41.1#
77 78.7 43.4 65.0#





#53
m,p-Xylene
Concen: 0.764 ug/L
RT: 9.716 min Scan# 2065
Delta R.T. 0.019 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

Instrument :
MSVOA_U
ClientSampleId :
C0J22

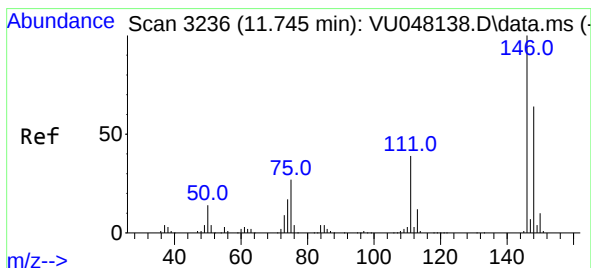
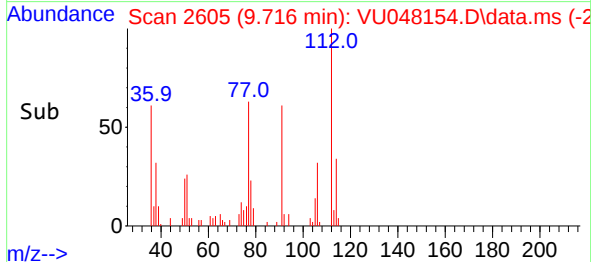
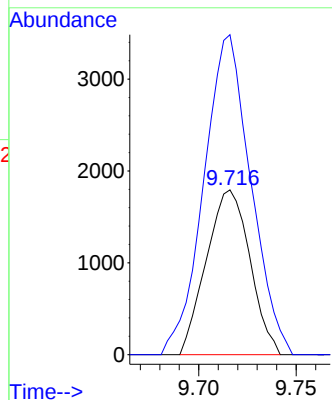


Tgt Ion:106 Resp: 2780
Ion Ratio Lower Upper
106 100
91 194.2 137.7 255.7

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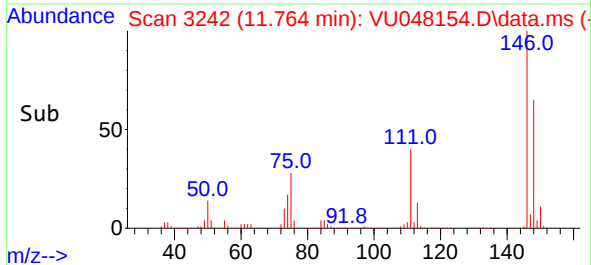
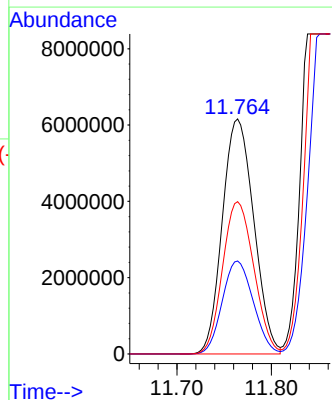
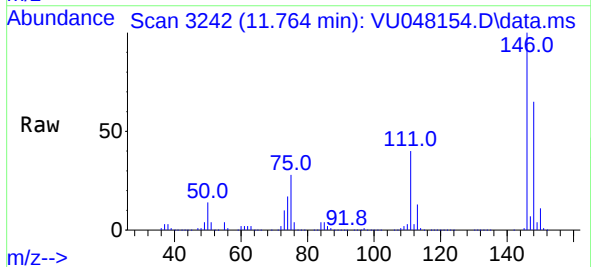
Reviewed By :John
Carlone
04/21/2022

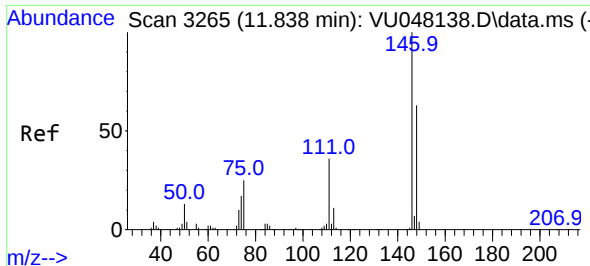
Supervised By :Mahesh
Dadoda
04/21/2022



#64
1,3-Dichlorobenzene
Concen: 1795.252 ug/L
RT: 11.764 min Scan# 3242
Delta R.T. 0.019 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

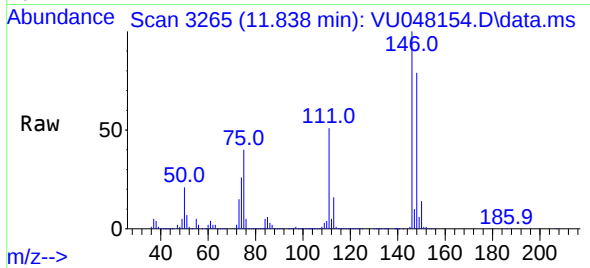
Tgt Ion:146 Resp:14271216
Ion Ratio Lower Upper
146 100
111 39.6 26.7 49.7
148 64.8 44.4 82.5





#65
1,4-Dichlorobenzene
Concen: 5562.340 ug/L m
RT: 11.838 min Scan# 318
Delta R.T. 0.000 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

Instrument :
MSVOA_U
ClientSampleId :
C0J22

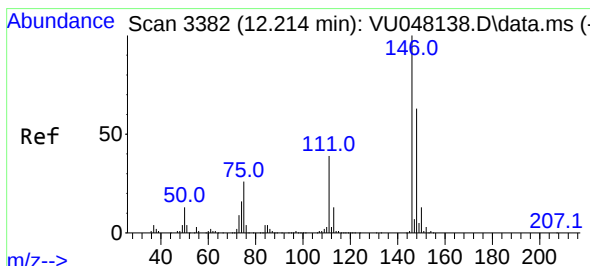
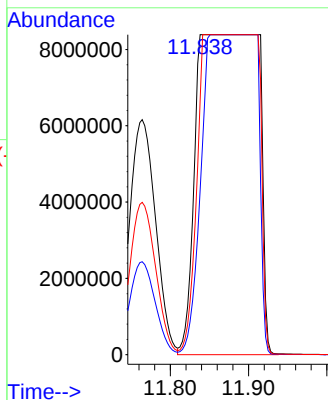
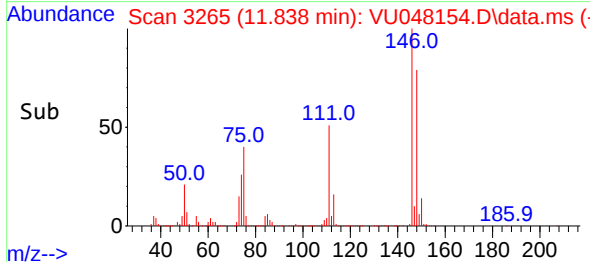


Tgt Ion:146 Resp:45800188
Ion Ratio Lower Upper
146 100
111 51.2 25.3 47.1
148 79.3 44.5 82.7

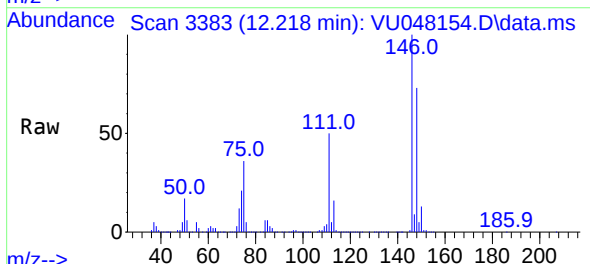
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Reviewed By :John
Carlone
04/21/2022

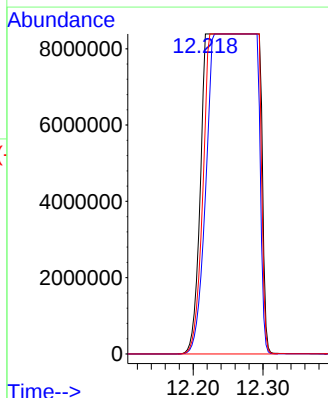
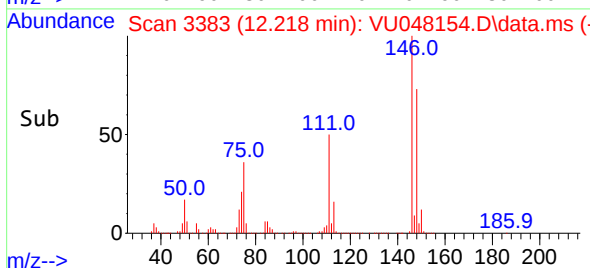
Supervised By :Mahesh
Dadoda
04/21/2022

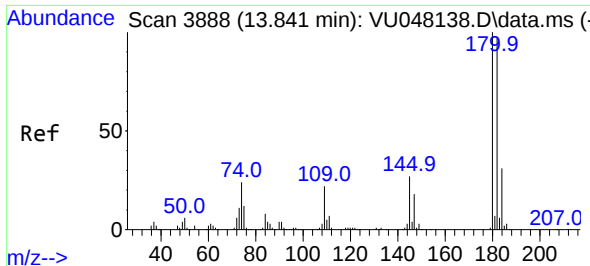


#67
1,2-Dichlorobenzene
Concen: 5785.180 ug/L m
RT: 12.218 min Scan# 3383
Delta R.T. 0.003 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37



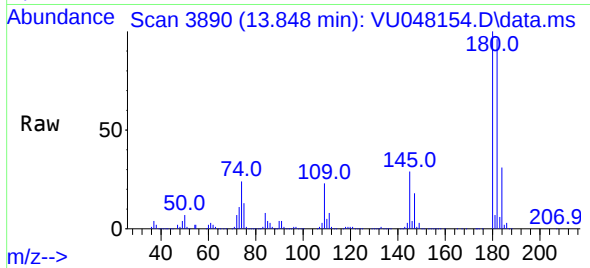
Tgt Ion:146 Resp:46016164
Ion Ratio Lower Upper
146 100
111 49.6 31.7 47.5
148 72.7 51.4 77.2





#70
1,2,4-trichlorobenzene
Concen: 1490.549 ug/L
RT: 13.848 min Scan# 3888
Delta R.T. 0.006 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37

Instrument :
MSVOA_U
ClientSampleId :
C0J22

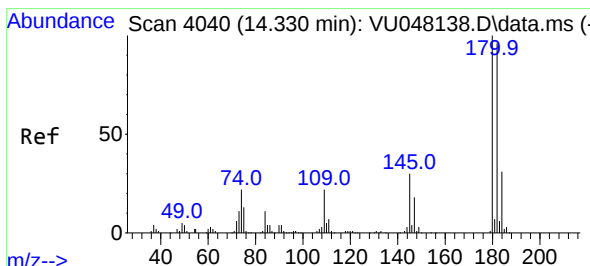
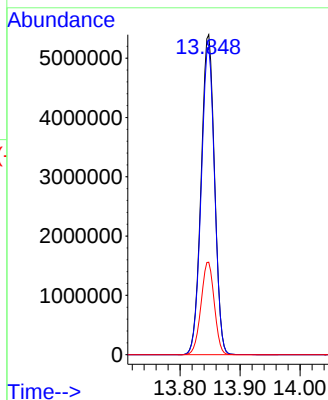
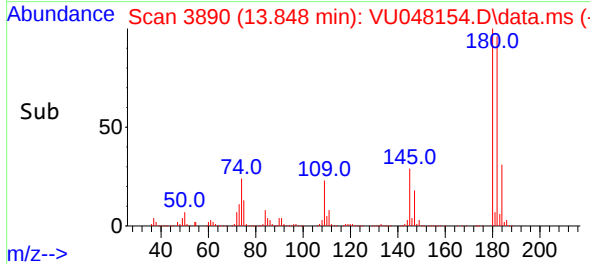


Tgt Ion:180 Resp: 8428924
Ion Ratio Lower Upper
180 100
182 96.0 76.2 114.2
145 28.6 21.8 32.8

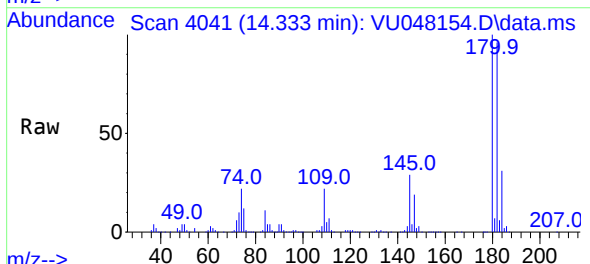
Manual Integrations
APPROVED

Reviewed By :John
Carlone
04/21/2022

Supervised By :Mahesh
Dadoda
04/21/2022



#72
1,2,3-Trichlorobenzene
Concen: 335.357 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. 0.003 min
Lab File: VU048154.D
Acq: 20 Apr 2022 19:37



Tgt Ion:180 Resp: 1901115
Ion Ratio Lower Upper
180 100
182 96.3 77.4 116.0
145 29.2 22.8 34.2

