

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
 Data File : VU048155.D
 Acq On : 20 Apr 2022 20:00
 Operator : SY/MD
 Sample : N2485-16
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J23

Manual Integrations
 APPROVED

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

Quant Time: Apr 21 02:45:10 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

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	413547	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.452	117	282506m	50.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.848	152	254846m	50.000	ug/L	0.04
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	116022	38.688	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery	=	77.380%	
7) Chloroethane-d5	1.913	69	97425	41.201	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery	=	82.400%	
11) 1,1-Dichloroethene-d2	2.568	63	150603	27.449	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	54.900%#	
21) 2-Butanone-d5	4.626	46	207550	80.633	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery	=	80.630%	
24) Chloroform-d	5.067	84	283832	51.726	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	103.460%	
26) 1,2-Dichloroethane-d4	5.713	65	170639m	50.704	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery	=	101.400%	
32) Benzene-d6	5.761	84	453777	63.835	ug/L	0.03
Spiked Amount 50.000	Range 70	- 125	Recovery	=	127.660%#	
36) 1,2-Dichloropropane-d6	6.694	67	152174	69.705	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery	=	139.400%#	
41) Toluene-d8	7.903	98	434923	62.796	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery	=	125.600%#	
43) trans-1,3-Dichloroprop...	8.182	79	67751	61.257	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery	=	122.520%	
47) 2-Hexanone-d5	8.642	63	168352	131.730	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery	=	131.730%#	
56) 1,1,2,2-Tetrachloroeth...	10.761	84	260885	69.632	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery	=	139.260%#	
66) 1,2-Dichlorobenzene-d4	12.234	152	199745	44.055	ug/L	0.04
Spiked Amount 50.000	Range 80	- 120	Recovery	=	88.120%	
Target Compounds						
					Qvalue	
13) Acetone	2.626	43	559999	233.784	ug/L	98
14) Carbon disulfide	2.797	76	5331	0.595	ug/L	98
16) Methylene chloride	3.047	84	175465	53.903	ug/L	98
19) 1,1-Dichloroethane	3.871	63	3438	0.652	ug/L #	96
22) 2-Butanone	4.710	43	52776	17.104	ug/L	96
25) Chloroform	5.089	83	1750788	308.167	ug/L	98
29) Cyclohexane	5.395	56	46793	16.323	ug/L	94
31) Carbon tetrachloride	5.530	117	53152	18.375	ug/L	99
33) Benzene	5.761	78	60485086m	7396.786	ug/L	
35) Methylcyclohexane	6.768	83	9476	2.905	ug/L #	76
40) 4-Methyl-2-pentanone	7.797	43	7128	2.170	ug/L	93
42) Toluene	7.973	91	97949	10.917	ug/L	98
46) Tetrachloroethene	8.562	164	2968	1.541	ug/L	89
51) Chlorobenzene	9.443	112	80262368m	13174.754	ug/L	
53) m,p-Xylene	9.716	106	2971	0.803	ug/L	77
64) 1,3-Dichlorobenzene	11.764	146	13871418	1811.979	ug/L	98
65) 1,4-Dichlorobenzene	11.838	146	45461542m	5733.268	ug/L	
67) 1,2-Dichlorobenzene	12.218	146	45743392m	5971.764	ug/L	
70) 1,2,4-trichlorobenzene	13.848	180	8327056	1529.091	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 1,2,3-Trichlorobenzene	14.330	180	1902924	348.569	ug/L	99

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

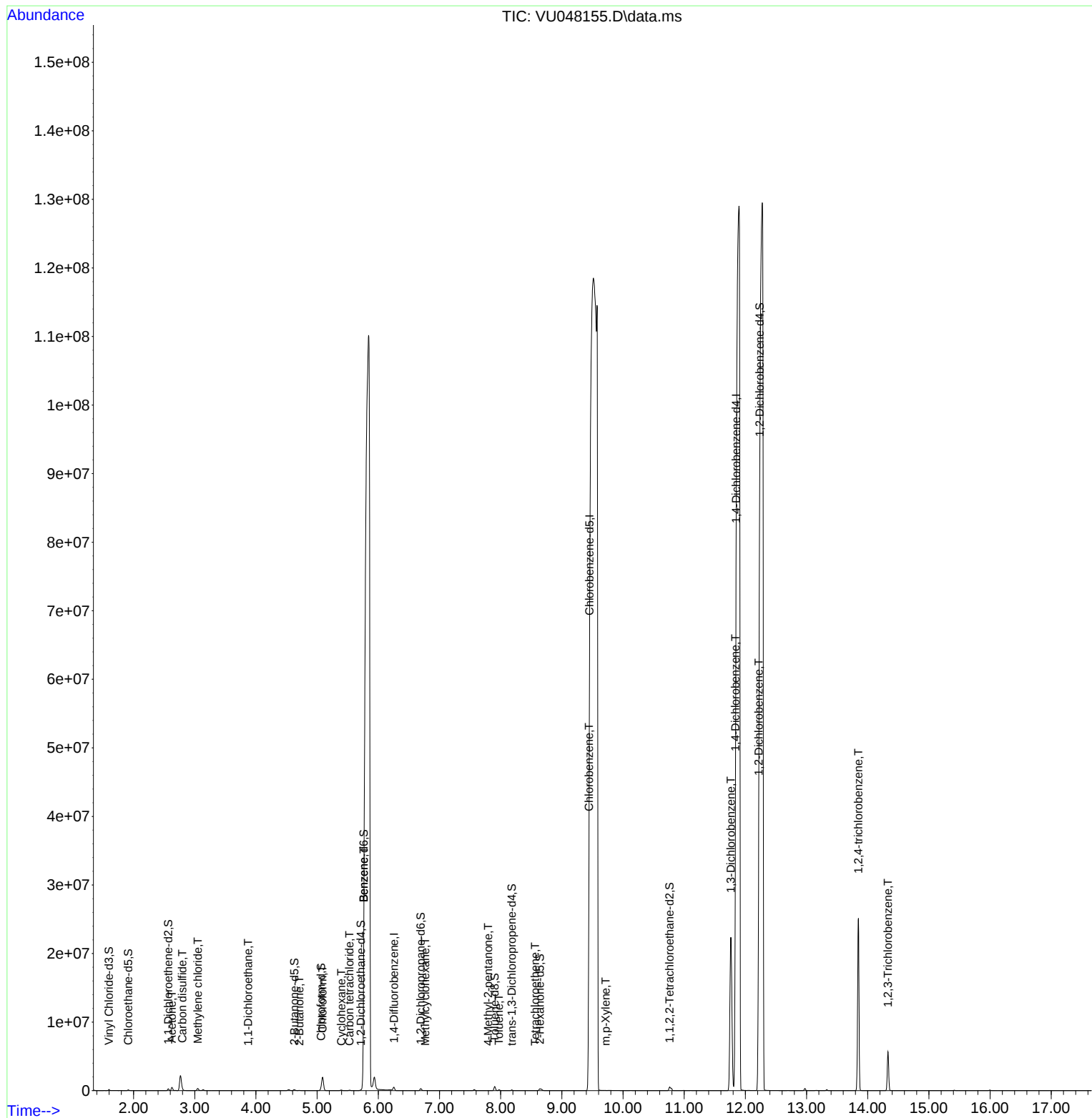
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU042022\
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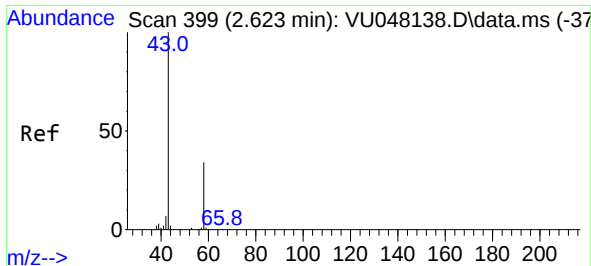
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#13

Acetone

Concen: 233.784 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU048155.D

Acq: 20 Apr 2022 20:00

Instrument :

MSVOA_U

ClientSampleId :

C0J23

Tgt Ion: 43 Resp: 559999

Ion Ratio Lower Upper

43 100

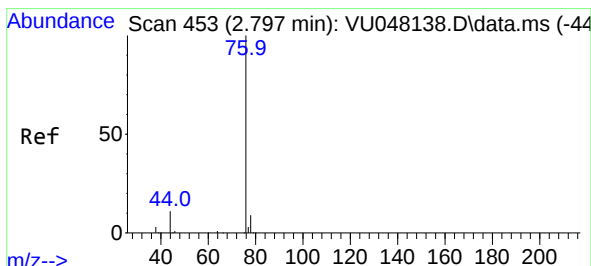
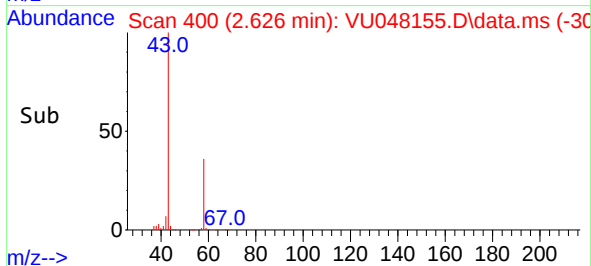
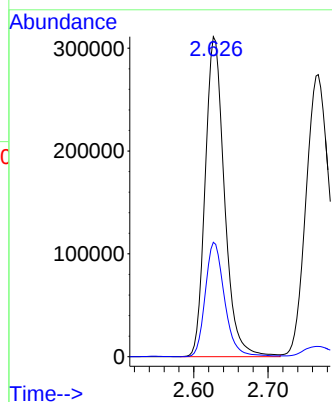
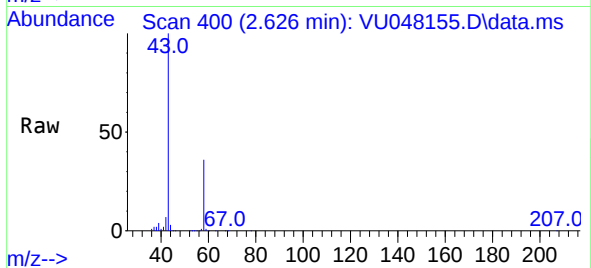
58 35.9 0.0 70.0

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#14

Carbon disulfide

Concen: 0.595 ug/L

RT: 2.797 min Scan# 453

Delta R.T. 0.000 min

Lab File: VU048155.D

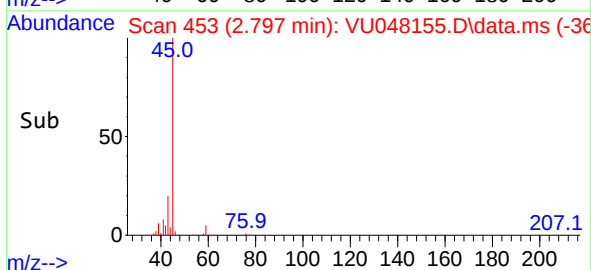
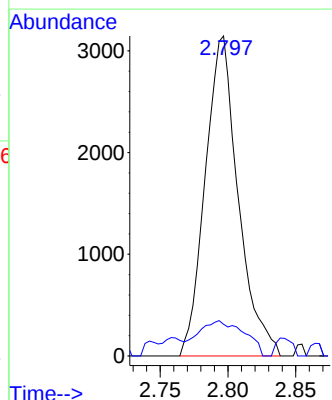
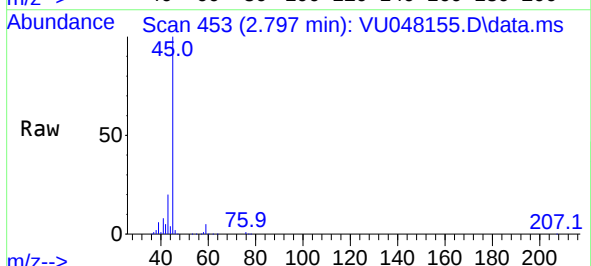
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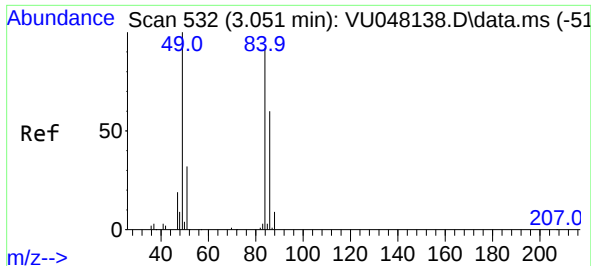
Tgt Ion: 76 Resp: 5331

Ion Ratio Lower Upper

76 100

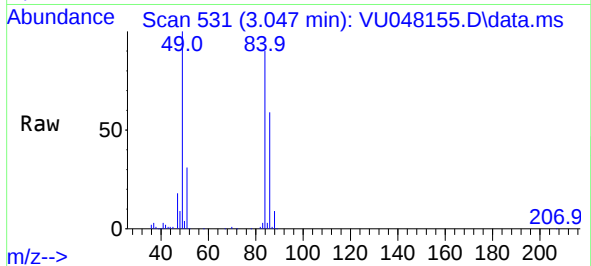
78 9.9 7.4 11.0





#16
Methylene chloride
Concen: 53.903 ug/L
RT: 3.047 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00

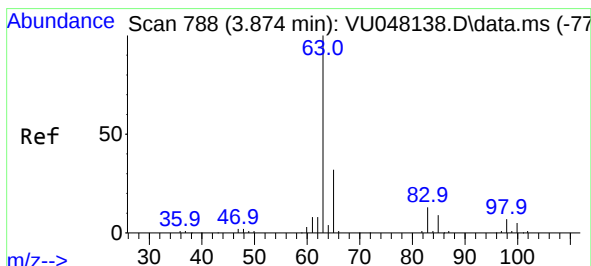
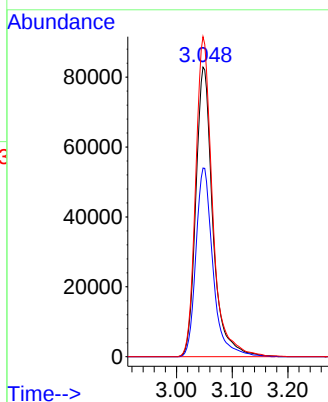
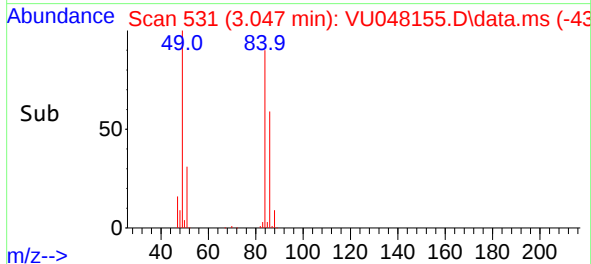
Instrument :
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ClientSampleId :
C0J23



Tgt Ion: 84 Resp: 17546
Ion Ratio Lower Upper
84 100
86 65.2 46.0 85.4
49 110.5 75.3 139.8

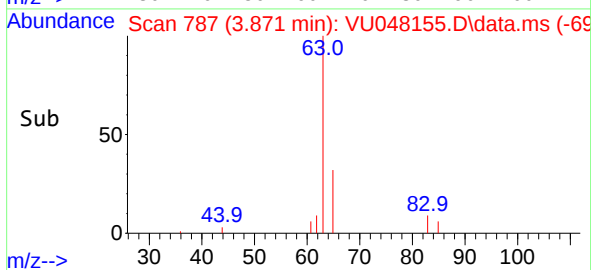
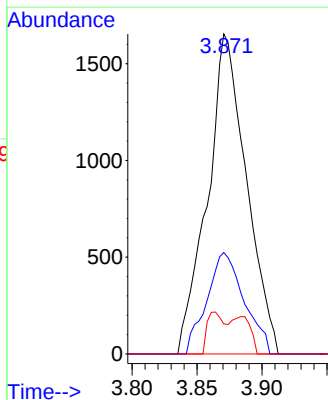
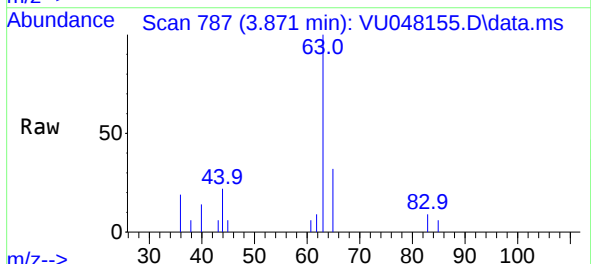
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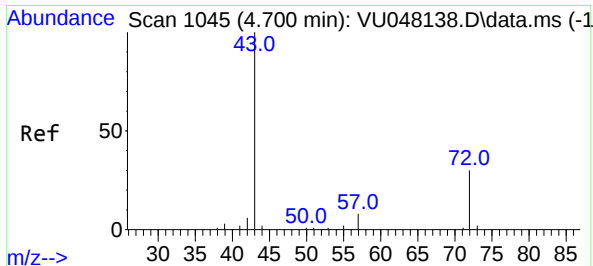
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#19
1,1-Dichloroethane
Concen: 0.652 ug/L
RT: 3.871 min Scan# 787
Delta R.T. -0.003 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00

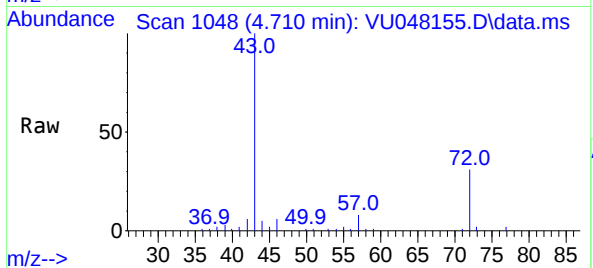
Tgt Ion: 63 Resp: 3438
Ion Ratio Lower Upper
63 100
65 31.7 22.0 41.0
83 9.4 9.7 18.1#





#22
2-Butanone
Concen: 17.104 ug/L
RT: 4.710 min Scan# 1045
Delta R.T. 0.010 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00

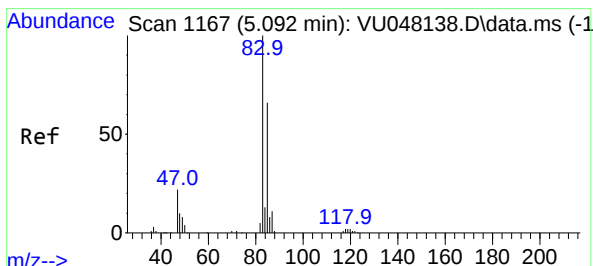
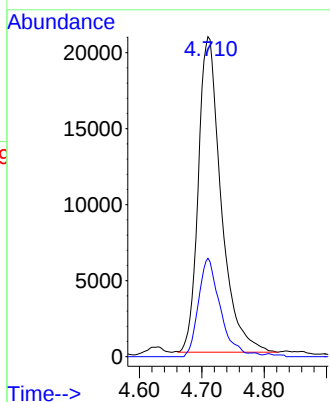
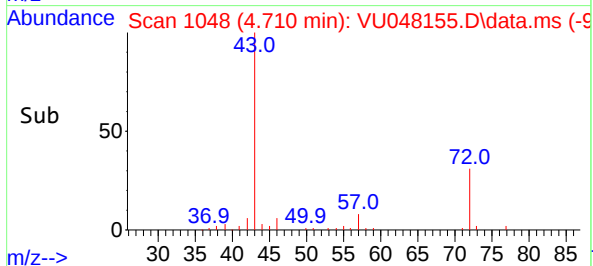
Instrument :
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Tgt Ion: 43 Resp: 52770
Ion Ratio Lower Upper
43 100
72 29.4 16.0 47.9

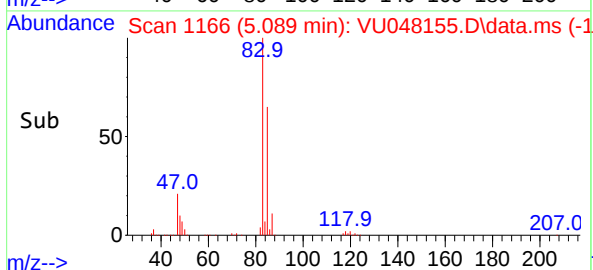
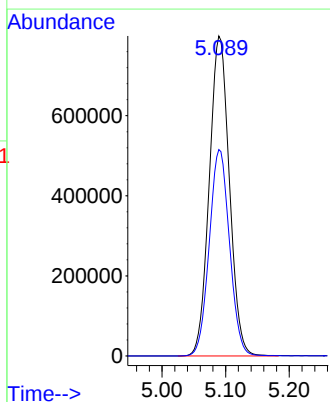
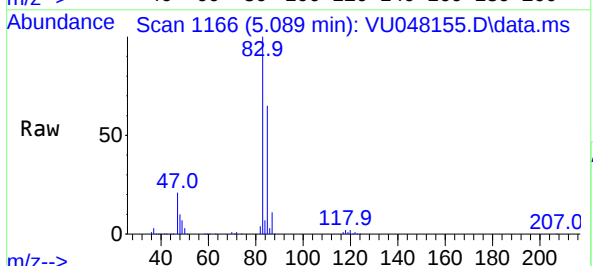
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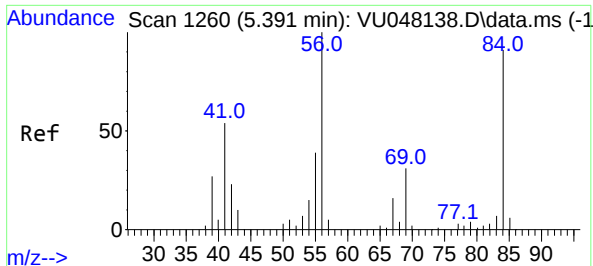
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#25
Chloroform
Concen: 308.167 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.003 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00

Tgt Ion: 83 Resp: 1750788
Ion Ratio Lower Upper
83 100
85 64.5 46.2 85.8





#29

Cyclohexane

Concen: 16.323 ug/L

RT: 5.395 min Scan# 1260

Delta R.T. 0.003 min

Lab File: VU048155.D

Acq: 20 Apr 2022 20:00

Instrument :

MSVOA_U

ClientSampleId :

C0J23

Tgt Ion: 56 Resp: 4679

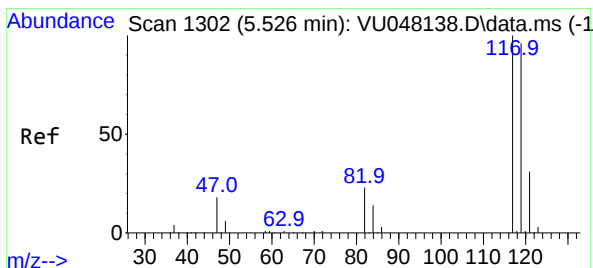
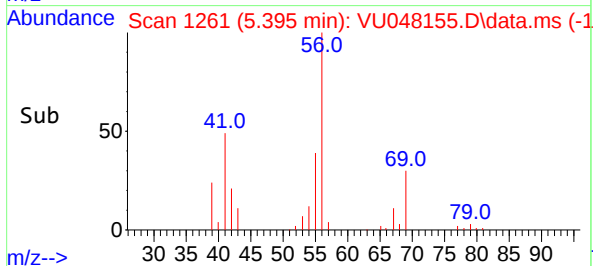
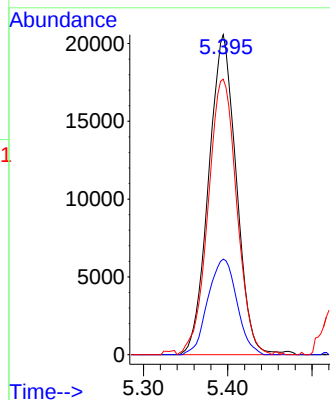
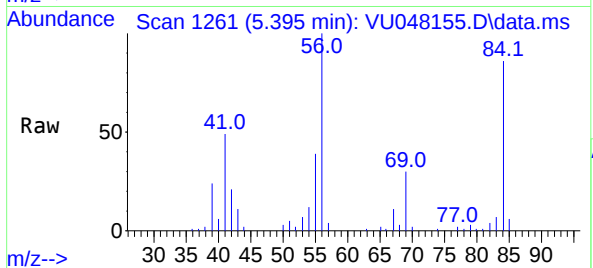
Ion	Ratio	Lower	Upper
56	100		
69	31.3	25.4	38.2
84	89.3	77.0	115.6

Manual Integrations

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Supervised By :Mahesh Dadoda 04/21/2022



#31

Carbon tetrachloride

Concen: 18.375 ug/L

RT: 5.530 min Scan# 1303

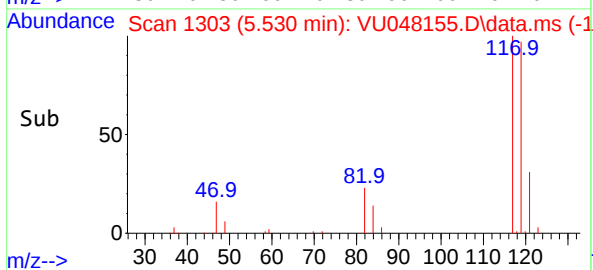
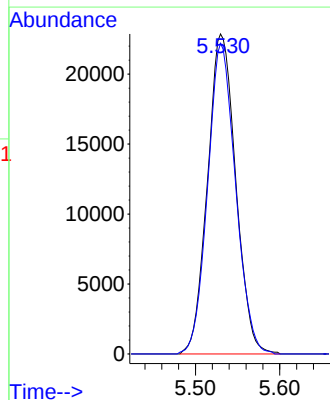
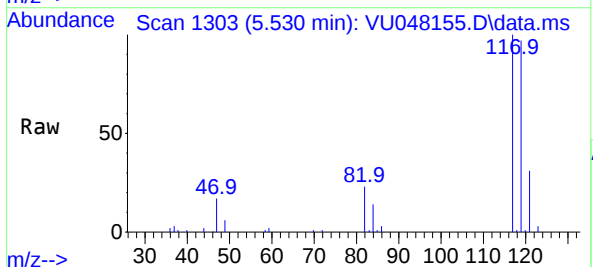
Delta R.T. 0.003 min

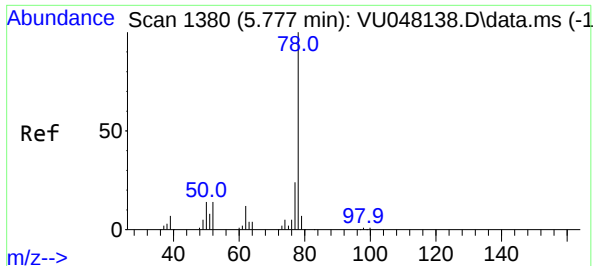
Lab File: VU048155.D

Acq: 20 Apr 2022 20:00

Tgt Ion:117 Resp: 53152

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.2	115.8





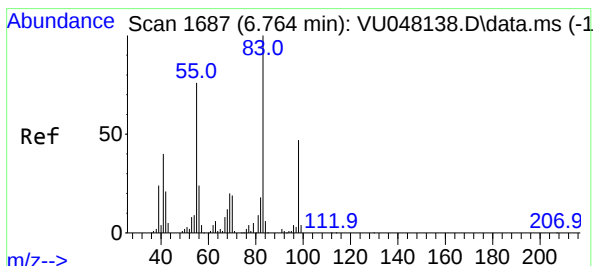
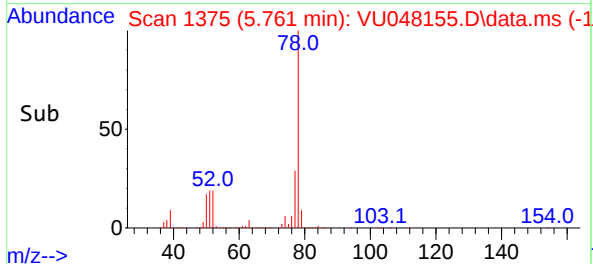
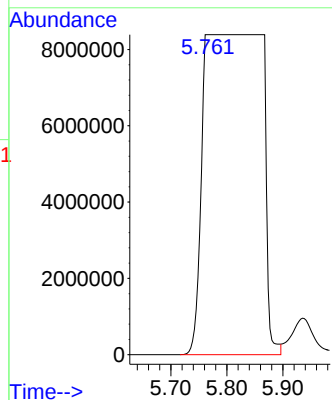
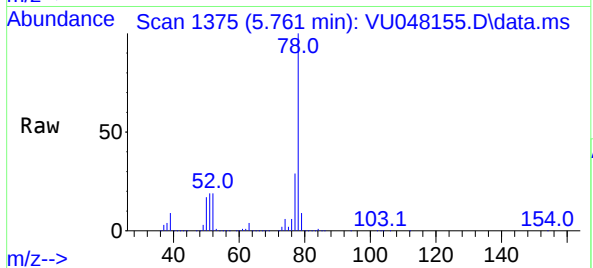
#33
Benzene
Concen: 7396.786 ug/L m
RT: 5.761 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00

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Tgt Ion: 78 Resp: 6048508

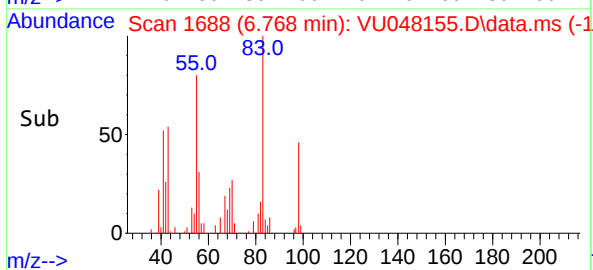
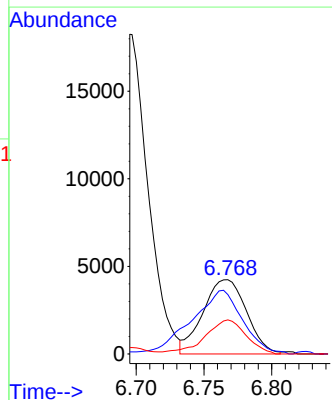
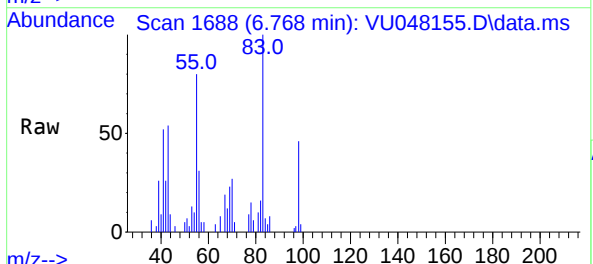
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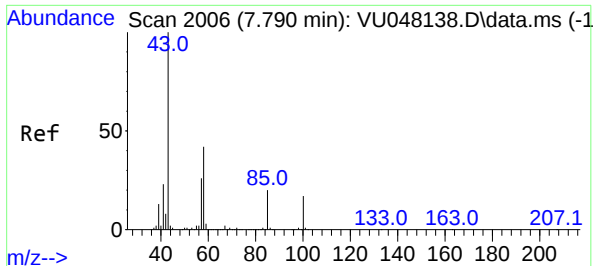
Reviewed By : John Carlone 04/21/2022
Supervised By : Mahesh Dadoda 04/21/2022



#35
Methylcyclohexane
Concen: 2.905 ug/L
RT: 6.768 min Scan# 1688
Delta R.T. 0.003 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00

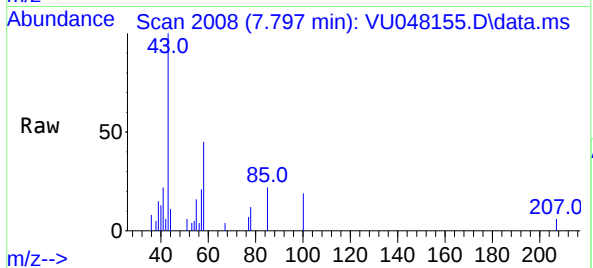
Tgt Ion: 83 Resp: 9476
Ion Ratio Lower Upper
83 100
55 100.5 56.8 85.2#
98 43.5 38.1 57.1





#40
4-Methyl-2-pentanone
Concen: 2.170 ug/L
RT: 7.797 min Scan# 2006
Delta R.T. 0.006 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00

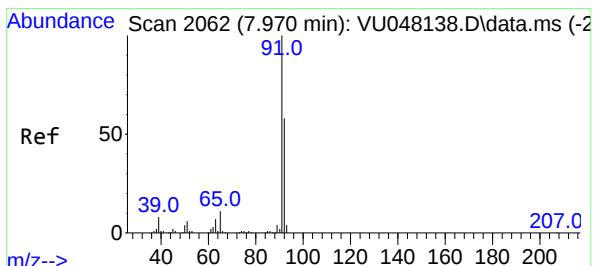
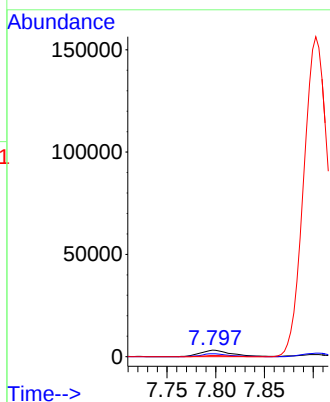
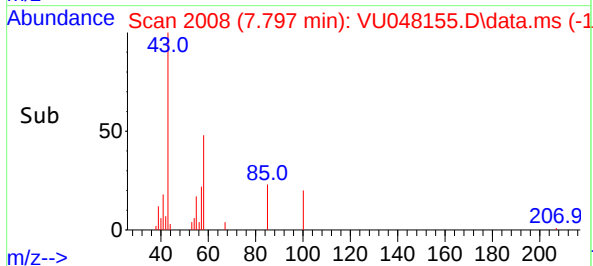
Instrument :
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Tgt Ion: 43 Resp: 7128
Ion Ratio Lower Upper
43 100
58 38.9 34.7 52.1
100 14.8 14.2 21.2

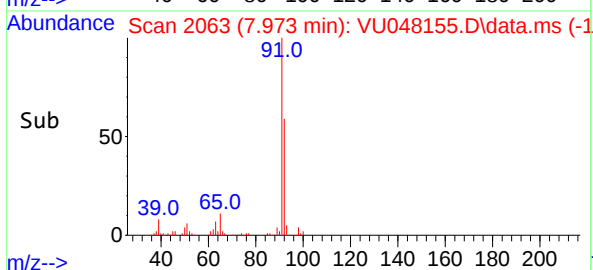
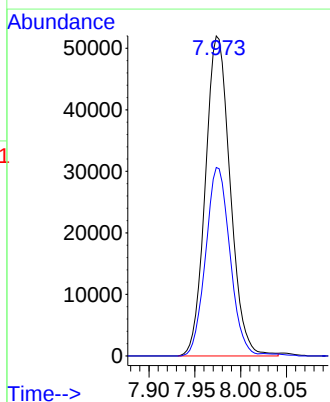
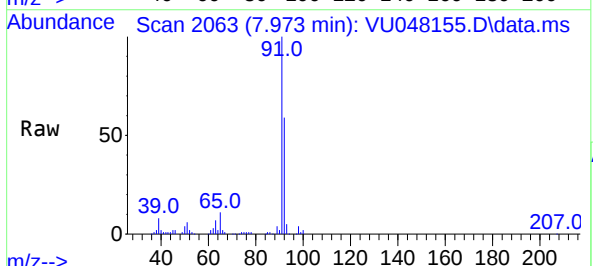
Manual Integrations
APPROVED

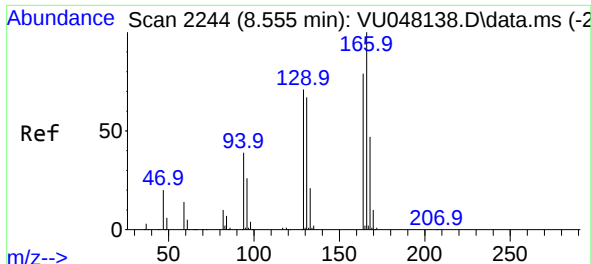
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#42
Toluene
Concen: 10.917 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. 0.003 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00

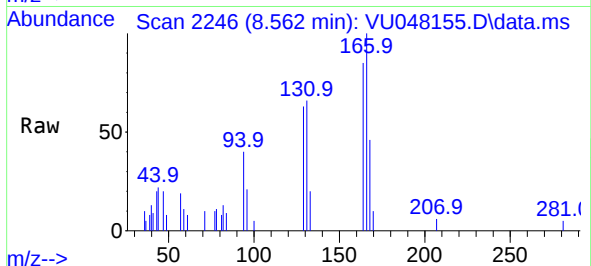
Tgt Ion: 91 Resp: 97949
Ion Ratio Lower Upper
91 100
92 58.9 40.4 75.0





#46
Tetrachloroethene
Concen: 1.541 ug/L
RT: 8.562 min Scan# 21
Delta R.T. 0.006 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00

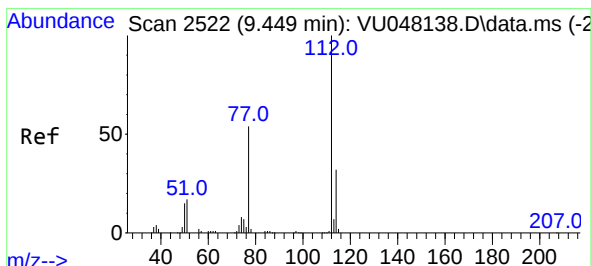
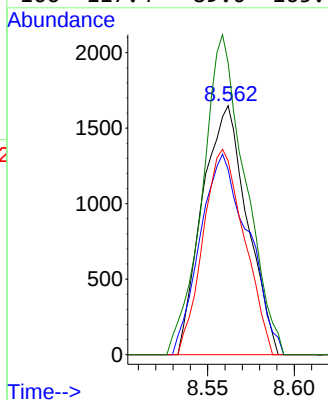
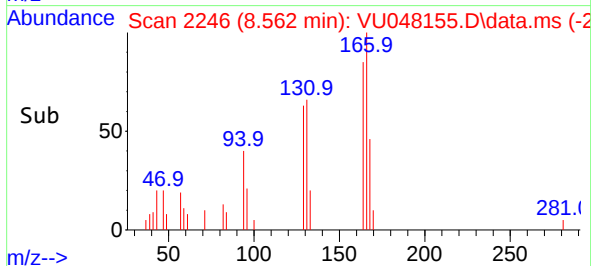
Instrument :
MSVOA_U
ClientSampleId :
C0J23



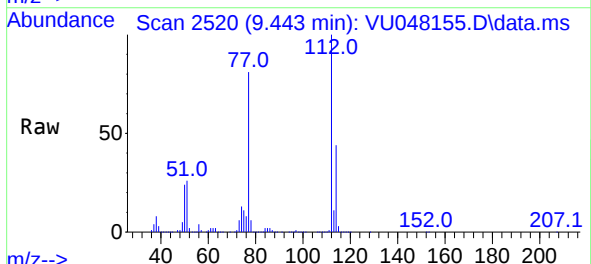
Tgt Ion:164 Resp: 2968
Ion Ratio Lower Upper
164 100
129 74.5 62.4 116.0
131 77.9 60.7 112.7
166 117.4 89.0 165.4

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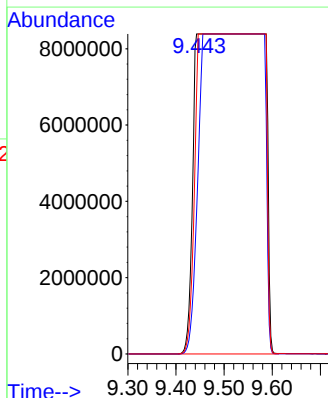
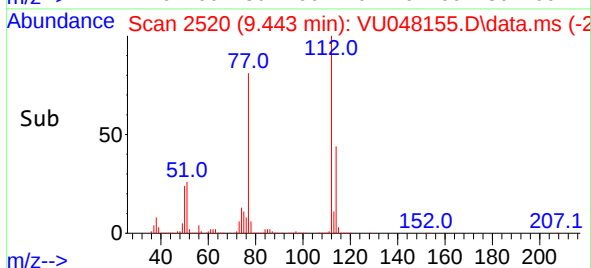
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

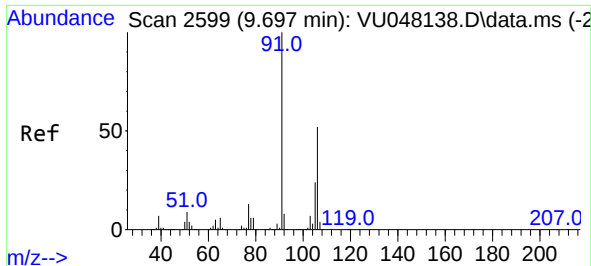


#51
Chlorobenzene
Concen: 13174.754 ug/L m
RT: 9.443 min Scan# 2520
Delta R.T. -0.006 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00



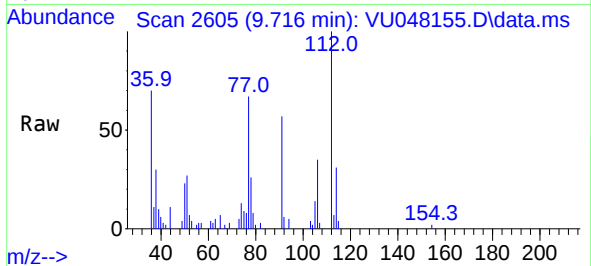
Tgt Ion:112 Resp:80262368
Ion Ratio Lower Upper
112 100
114 44.3 22.1 41.1#
77 81.4 43.4 65.0#





#53
m,p-Xylene
Concen: 0.803 ug/L
RT: 9.716 min Scan# 20
Delta R.T. 0.019 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00

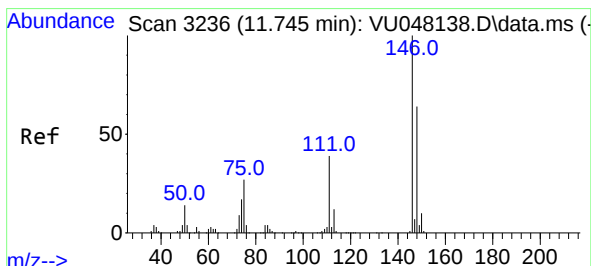
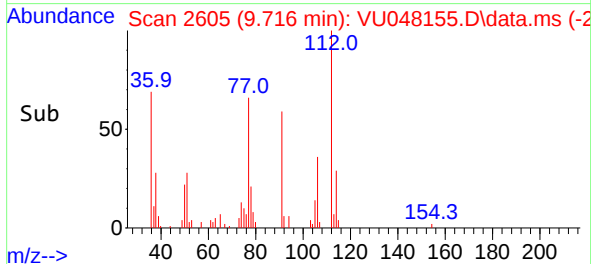
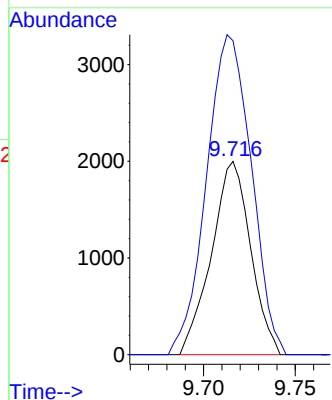
Instrument :
MSVOA_U
ClientSampleId :
C0J23



Tgt Ion:106 Resp: 297
Ion Ratio Lower Upper
106 100
91 162.4 137.7 255.7

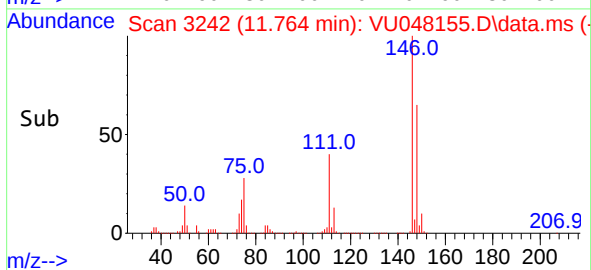
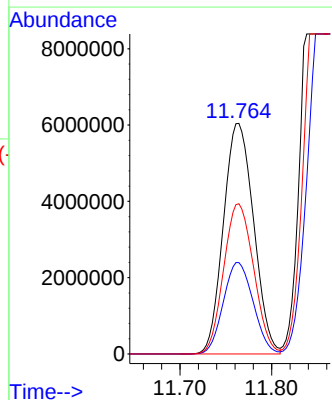
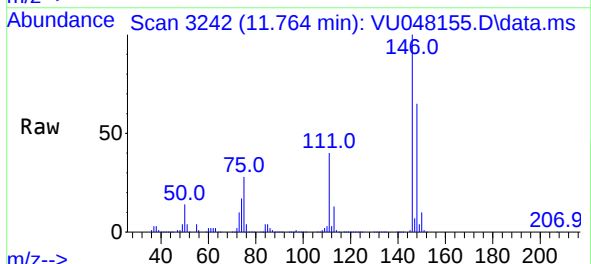
Manual Integrations
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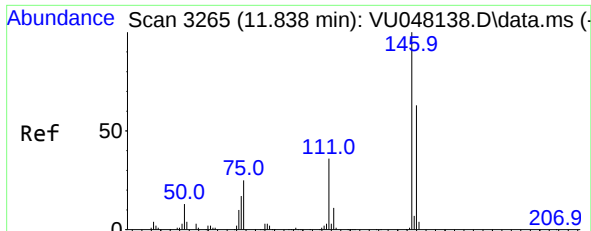
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



#64
1,3-Dichlorobenzene
Concen: 1811.979 ug/L
RT: 11.764 min Scan# 3242
Delta R.T. 0.019 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00

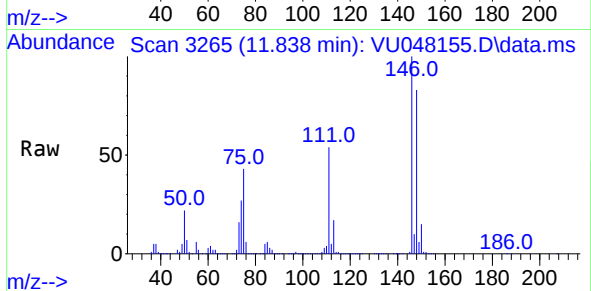
Tgt Ion:146 Resp:13871418
Ion Ratio Lower Upper
146 100
111 39.6 26.7 49.7
148 65.2 44.4 82.5





#65
1,4-Dichlorobenzene
Concen: 5733.268 ug/L m
RT: 11.838 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00

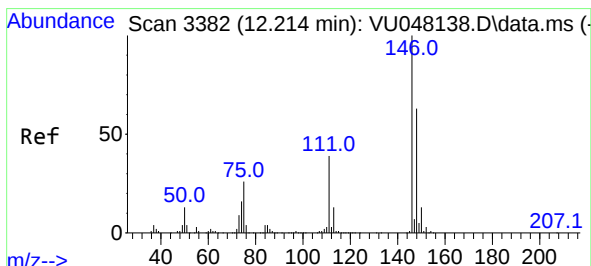
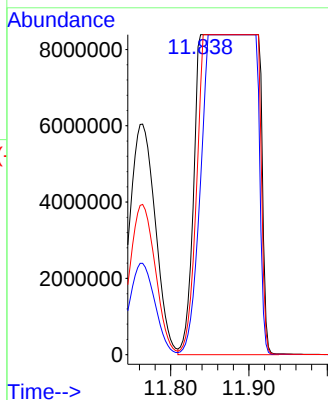
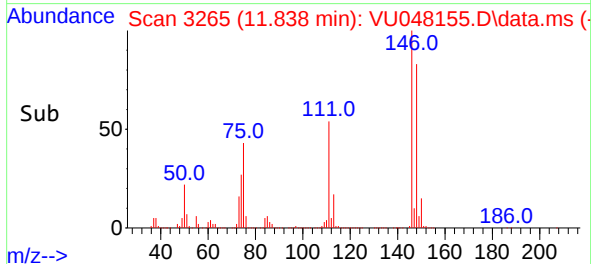
Instrument :
MSVOA_U
ClientSampleId :
C0J23



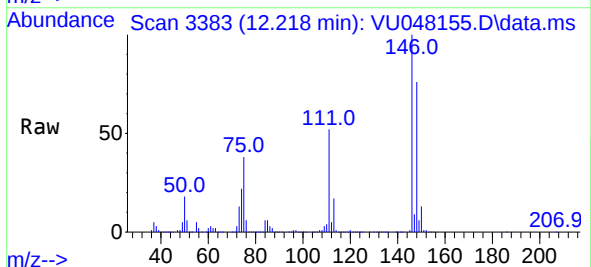
Tgt Ion:146 Resp:4546154
Ion Ratio Lower Upper
146 100
111 54.3 25.3 47.1
148 83.5 44.5 82.7

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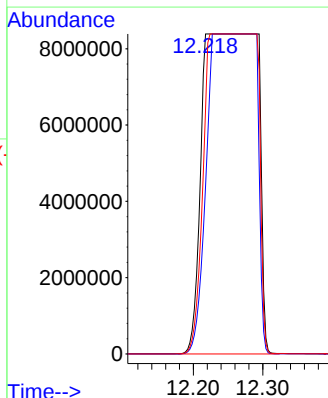
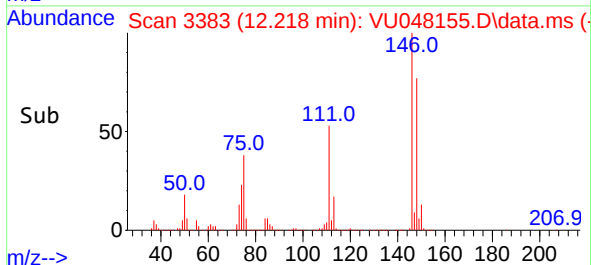
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

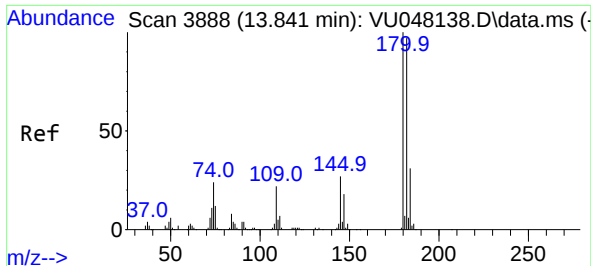


#67
1,2-Dichlorobenzene
Concen: 5971.764 ug/L m
RT: 12.218 min Scan# 3383
Delta R.T. 0.003 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00



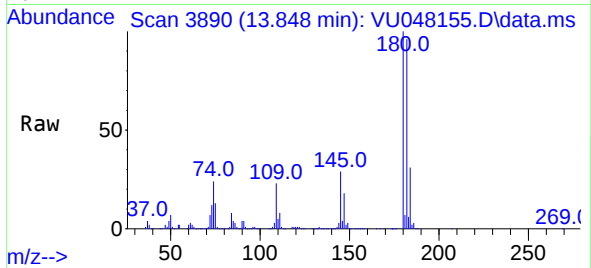
Tgt Ion:146 Resp:45743392
Ion Ratio Lower Upper
146 100
111 52.5 31.7 47.5
148 76.5 51.4 77.2





#70
1,2,4-trichlorobenzene
Concen: 1529.091 ug/L
RT: 13.848 min Scan# 3888
Delta R.T. 0.006 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00

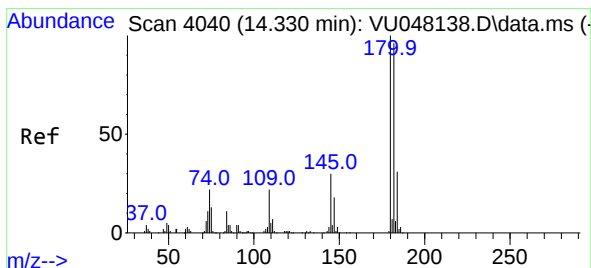
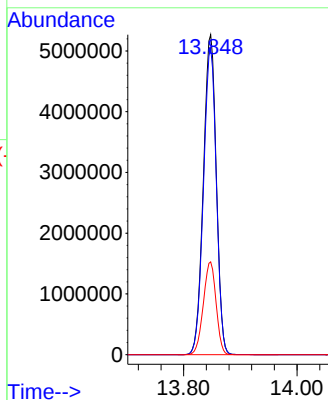
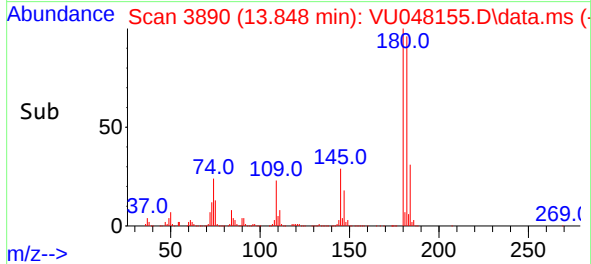
Instrument :
MSVOA_U
ClientSampleId :
C0J23



Tgt Ion:180 Resp: 832705
Ion Ratio Lower Upper
180 100
182 95.7 76.2 114.2
145 28.7 21.8 32.8

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



#72
1,2,3-Trichlorobenzene
Concen: 348.569 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU048155.D
Acq: 20 Apr 2022 20:00

Tgt Ion:180 Resp: 1902924
Ion Ratio Lower Upper
180 100
182 96.1 77.4 116.0
145 29.5 22.8 34.2

