

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041422\
 Data File : VU048090.D
 Acq On : 15 Apr 2022 03:39
 Operator : SY/MD
 Sample : N2419-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J53

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/15/2022
 Supervised By :Mahesh Dadoda 04/19/2022

Quant Time: Apr 15 05:30:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM032422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 15 05:02:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	322016	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.449	117	356821	50.000	ug/L	0.03
58) 1,4-Dichlorobenzene-d4	11.832	152	264512	50.000	ug/L	# 0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	73898	31.646	ug/L	0.00
Spiked Amount 50.000	Range 60	- 135	Recovery =	63.300%		
7) Chloroethane-d5	1.916	69	72605	39.432	ug/L	0.00
Spiked Amount 50.000	Range 70	- 130	Recovery =	78.860%		
11) 1,1-Dichloroethene-d2	2.568	63	109547	25.641	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	51.280%#		
21) 2-Butanone-d5	4.620	46	199026	99.299	ug/L	0.00
Spiked Amount 100.000	Range 40	- 130	Recovery =	99.300%		
24) Chloroform-d	5.067	84	265182	62.064	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	124.120%		
26) 1,2-Dichloroethane-d4	5.706	65	122457	46.730	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	93.460%		
32) Benzene-d6	5.735	84	369007	41.098	ug/L	0.00
Spiked Amount 50.000	Range 70	- 125	Recovery =	82.200%		
36) 1,2-Dichloropropane-d6	6.694	67	124933	45.308	ug/L	0.00
Spiked Amount 50.000	Range 70	- 120	Recovery =	90.620%		
41) Toluene-d8	7.899	98	298443	34.116	ug/L	0.00
Spiked Amount 50.000	Range 80	- 120	Recovery =	68.240%#		
43) trans-1,3-Dichloroprop...	8.179	79	47255	33.827	ug/L	0.00
Spiked Amount 50.000	Range 60	- 125	Recovery =	67.660%		
47) 2-Hexanone-d5	8.639	63	128270	79.464	ug/L	0.00
Spiked Amount 100.000	Range 45	- 130	Recovery =	79.460%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	226959	47.961	ug/L	0.00
Spiked Amount 50.000	Range 65	- 120	Recovery =	95.920%		
66) 1,2-Dichlorobenzene-d4	12.221	152	200767	42.663	ug/L	0.03
Spiked Amount 50.000	Range 80	- 120	Recovery =	85.320%		
Target Compounds						
					Qvalue	
13) Acetone	2.626	43	15424	8.269	ug/L	95
22) 2-Butanone	4.716	43	2969	1.236	ug/L	74
25) Chloroform	5.089	83	1970947	445.528	ug/L	99
29) Cyclohexane	5.391	56	27631	7.631	ug/L	97
31) Carbon tetrachloride	5.526	117	414626	113.487	ug/L	98
33) Benzene	5.764	78	31874837m	3086.171	ug/L	
35) Methylcyclohexane	6.764	83	9940	2.413	ug/L	# 69
38) Bromodichloromethane	7.108	83	18080	5.015	ug/L	98
42) Toluene	7.973	91	27323	2.411	ug/L	100
46) Tetrachloroethene	8.552	164	5492	2.257	ug/L	96
49) Dibromochloromethane	8.812	129	8609	2.669	ug/L	95
51) Chlorobenzene	9.443	112	47817744m	6214.367	ug/L	
59) Bromoform	10.295	173	4108	1.215	ug/L	99
64) 1,3-Dichlorobenzene	11.754	146	11701183	1472.633	ug/L	98
65) 1,4-Dichlorobenzene	11.835	146	32280525m	3922.212	ug/L	
67) 1,2-Dichlorobenzene	12.214	146	34945544m	4395.401	ug/L	
69) 1,3,5-Trichlorobenzene	13.221	180	19160	2.969	ug/L	98
70) 1,2,4-trichlorobenzene	13.844	180	19446759m	3440.501	ug/L	
72) 1,2,3-Trichlorobenzene	14.333	180	6966299	1229.423	ug/L	99

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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

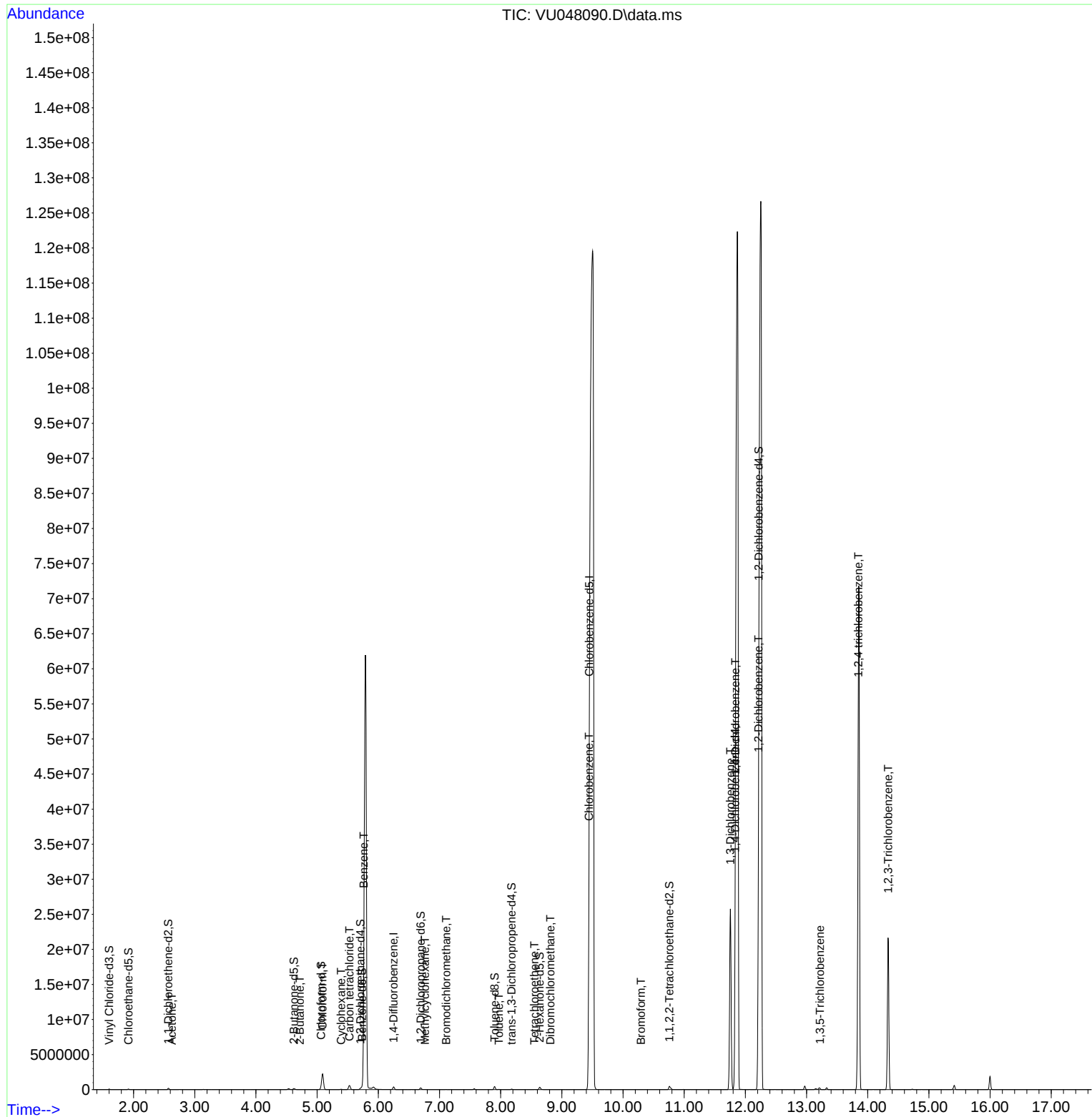
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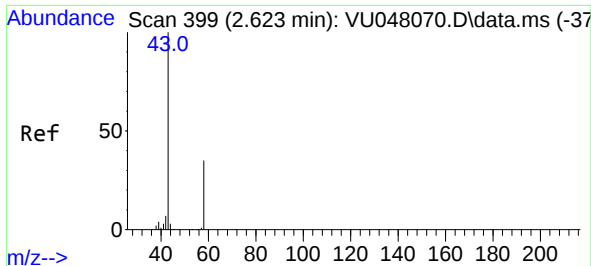
Instrument :
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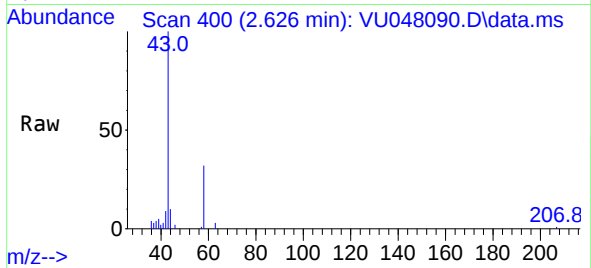
Quant Time: Apr 15 05:30:35 2022
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#13
Acetone
Concen: 8.269 ug/L
RT: 2.626 min Scan# 40
Delta R.T. 0.003 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

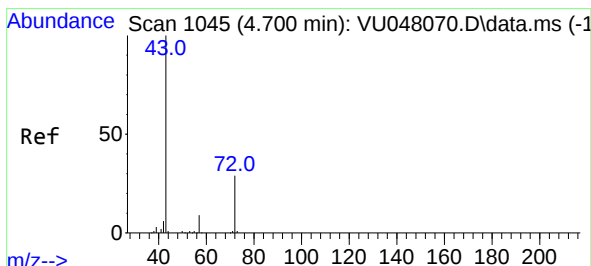
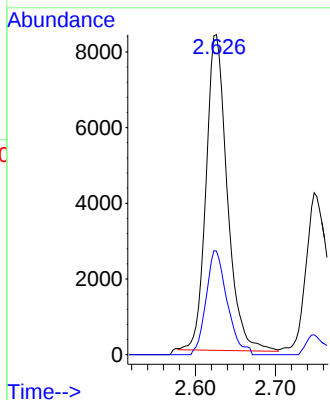
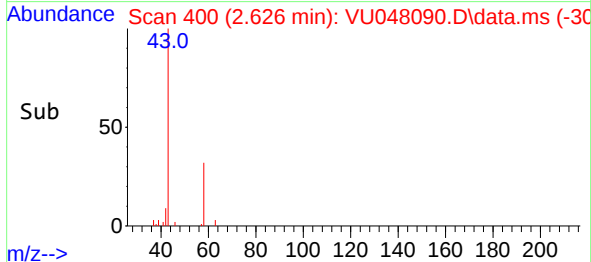
Instrument :
MSVOA_U
ClientSampleId :
C0J53



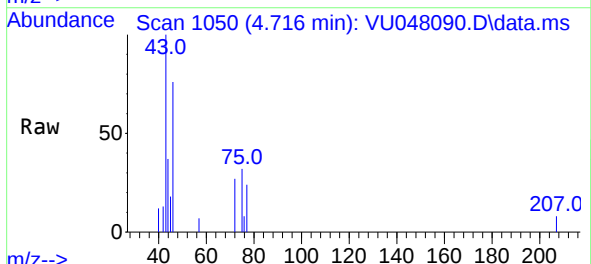
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Ion Ratio Lower Upper
43 100
58 32.1 0.0 70.0

Manual Integrations
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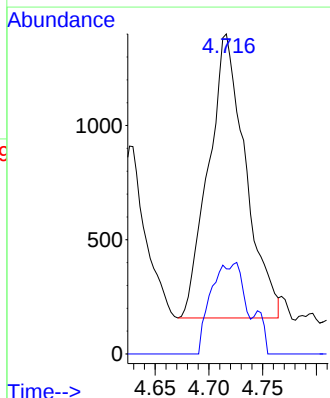
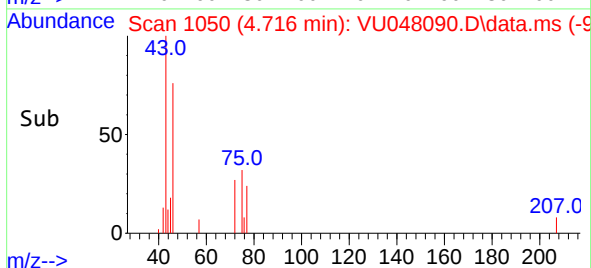
Reviewed By :Krupa Patel 04/15/2022
Supervised By :Mahesh Dadoda 04/19/2022

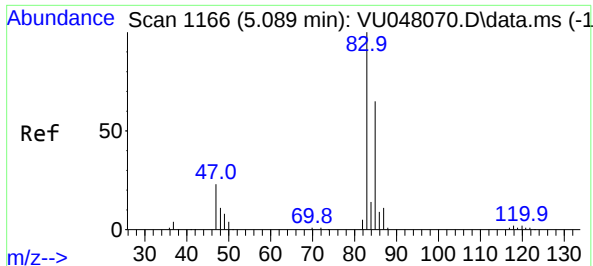


#22
2-Butanone
Concen: 1.236 ug/L
RT: 4.716 min Scan# 1050
Delta R.T. 0.016 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39



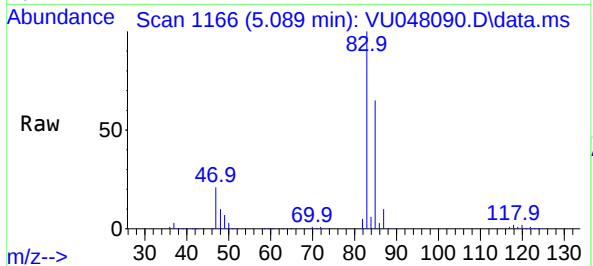
Tgt Ion: 43 Resp: 2969
Ion Ratio Lower Upper
43 100
72 17.4 16.0 47.9





#25
Chloroform
Concen: 445.528 ug/L
RT: 5.089 min Scan# 1166
Delta R.T. -0.000 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

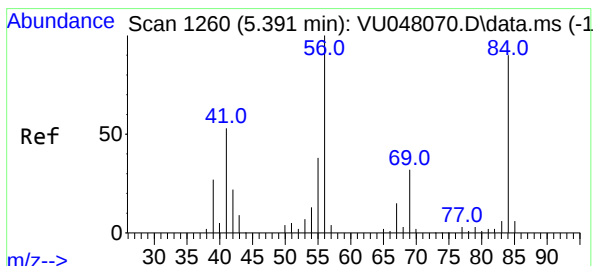
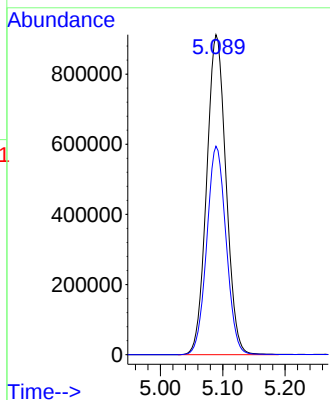
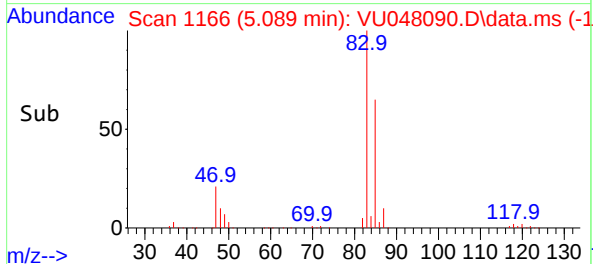
Instrument :
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ClientSampleId :
C0J53



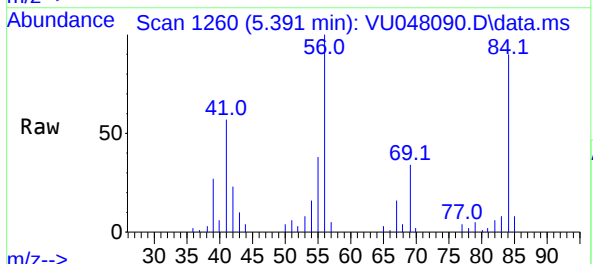
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Ion Ratio Lower Upper
83 100
85 65.2 46.2 85.8

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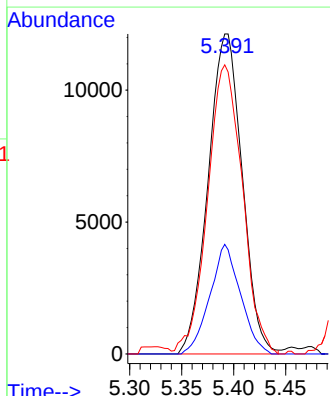
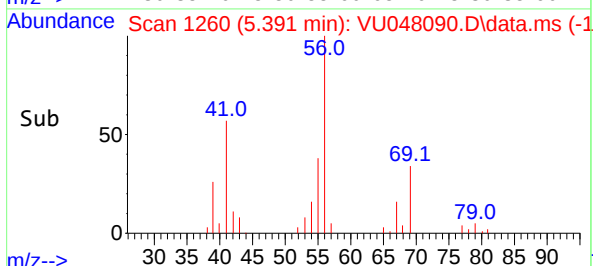
Reviewed By :Krupa Patel 04/15/2022
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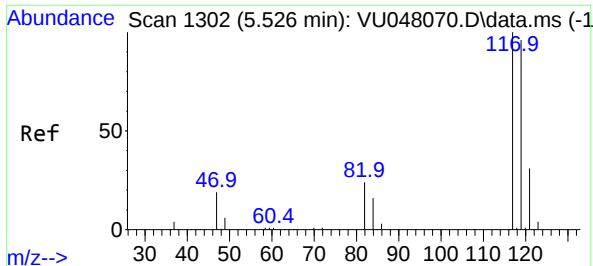


#29
Cyclohexane
Concen: 7.631 ug/L
RT: 5.391 min Scan# 1260
Delta R.T. -0.000 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39



Tgt Ion: 56 Resp: 27631
Ion Ratio Lower Upper
56 100
69 30.8 25.4 38.2
84 92.6 77.0 115.6





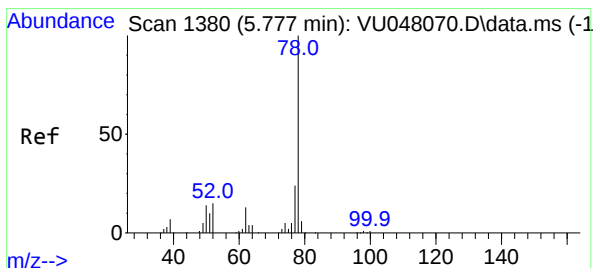
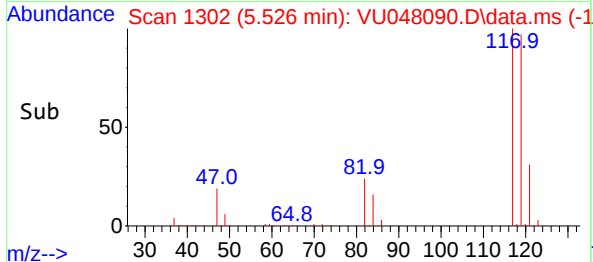
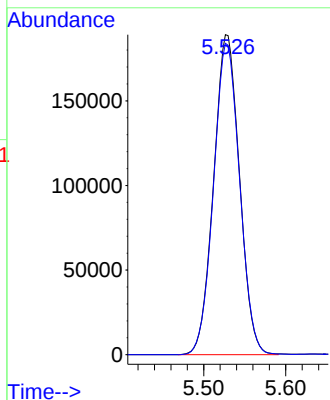
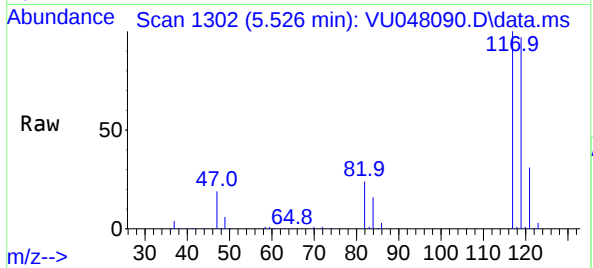
#31
Carbon tetrachloride
Concen: 113.487 ug/L
RT: 5.526 min Scan# 117
Delta R.T. -0.000 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion:117 Resp: 414620
Ion Ratio Lower Upper
117 100
119 98.1 77.2 115.8

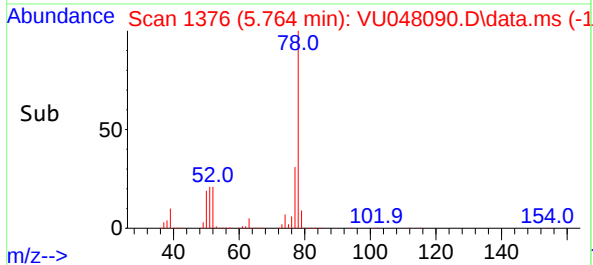
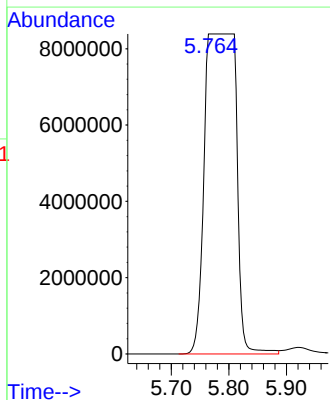
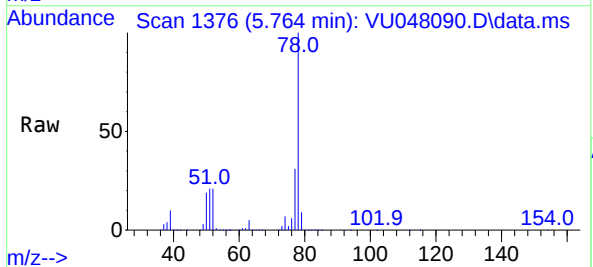
Manual Integrations
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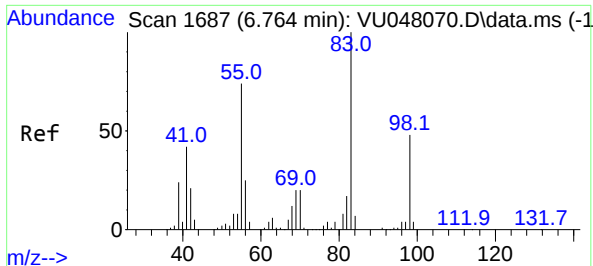
Reviewed By :Krupa Patel 04/15/2022
Supervised By :Mahesh Dadoda 04/19/2022



#33
Benzene
Concen: 3086.171 ug/L m
RT: 5.764 min Scan# 1376
Delta R.T. -0.013 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

Tgt Ion: 78 Resp:31874837





#35

Methylcyclohexane

Concen: 2.413 ug/L

RT: 6.764 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU048090.D

Acq: 15 Apr 2022 03:39

Instrument :

MSVOA_U

ClientSampleId :

C0J53

Tgt Ion: 83 Resp: 9940

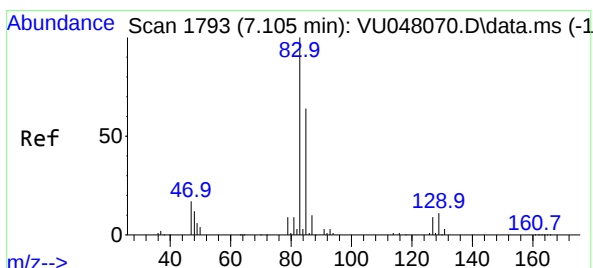
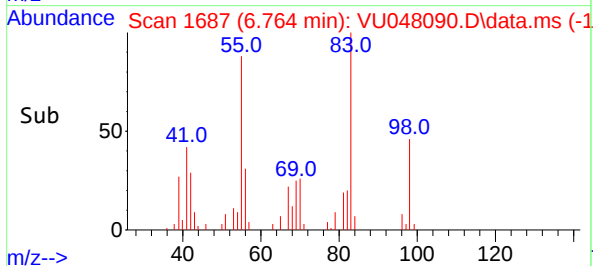
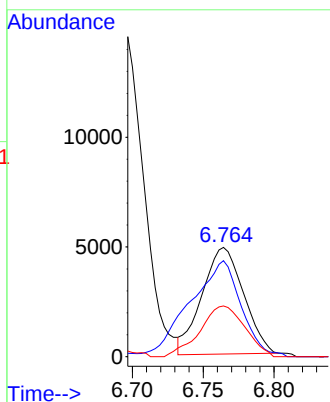
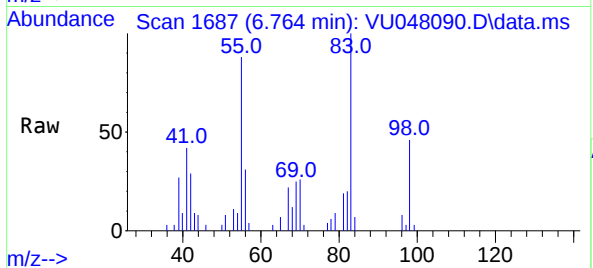
Ion	Ratio	Lower	Upper
83	100		
55	110.6	56.8	85.2
98	51.2	38.1	57.1

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Supervised By :Mahesh Dadoda 04/19/2022



#38

Bromodichloromethane

Concen: 5.015 ug/L

RT: 7.108 min Scan# 1794

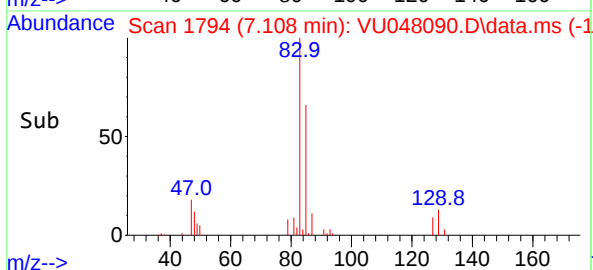
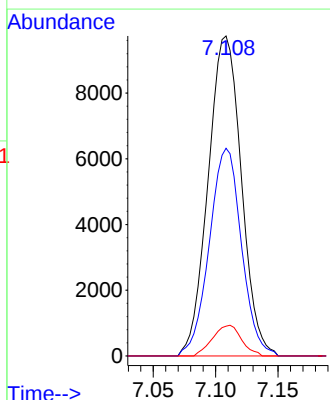
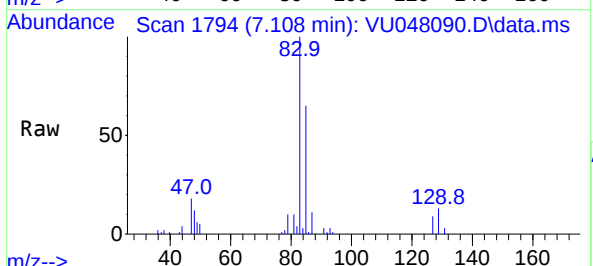
Delta R.T. 0.003 min

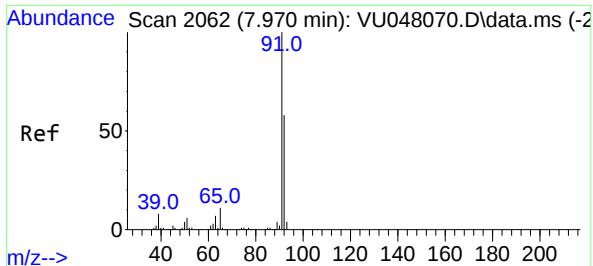
Lab File: VU048090.D

Acq: 15 Apr 2022 03:39

Tgt Ion: 83 Resp: 18080

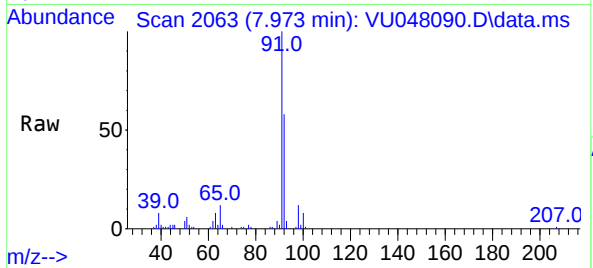
Ion	Ratio	Lower	Upper
83	100		
85	64.9	44.4	82.4
127	9.3	7.2	10.8





#42
Toluene
Concen: 2.411 ug/L
RT: 7.973 min Scan# 2062
Delta R.T. 0.003 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

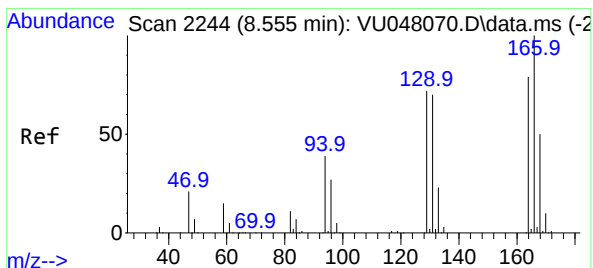
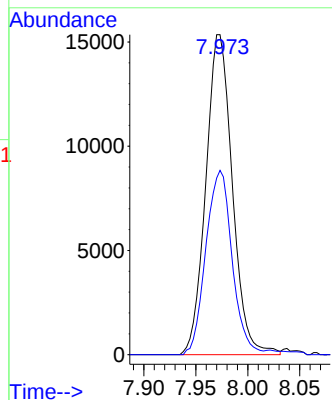
Instrument :
MSVOA_U
ClientSampleId :
C0J53



Tgt Ion: 91 Resp: 2732
Ion Ratio Lower Upper
91 100
92 57.6 40.4 75.0

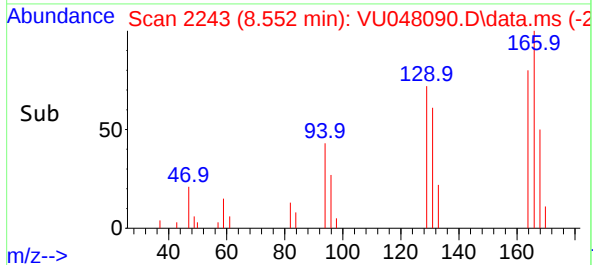
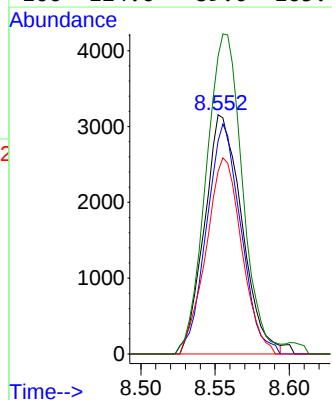
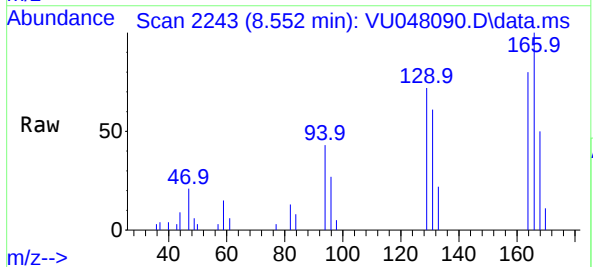
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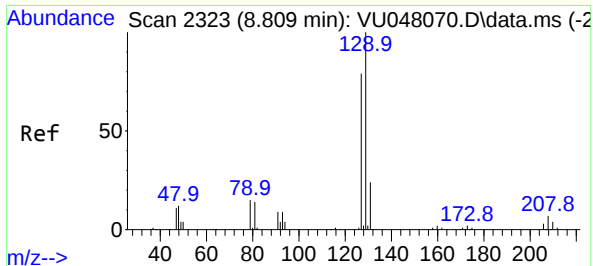
Reviewed By :Krupa Patel 04/15/2022
Supervised By :Mahesh Dadoda 04/19/2022



#46
Tetrachloroethene
Concen: 2.257 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. -0.003 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

Tgt Ion:164 Resp: 5492
Ion Ratio Lower Upper
164 100
129 89.1 62.4 116.0
131 76.4 60.7 112.7
166 124.6 89.0 165.4





#49

Dibromochloromethane

Concen: 2.669 ug/L

RT: 8.812 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU048090.D

Acq: 15 Apr 2022 03:39

Instrument :

MSVOA_U

ClientSampleId :

C0J53

Tgt Ion:129 Resp: 8609

Ion Ratio Lower Upper

129 100

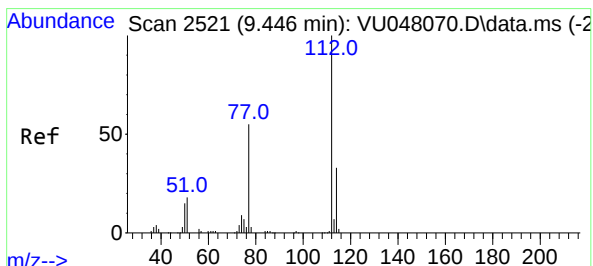
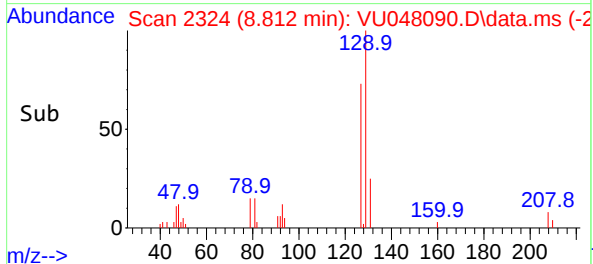
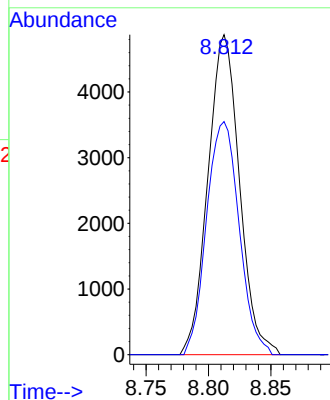
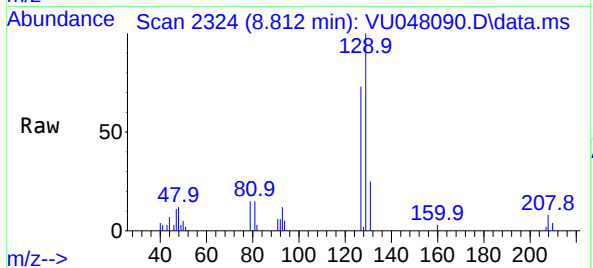
127 72.9 54.2 100.6

Manual Integrations

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Supervised By :Mahesh Dadoda 04/19/2022



#51

Chlorobenzene

Concen: 6214.367 ug/L m

RT: 9.443 min Scan# 2520

Delta R.T. -0.003 min

Lab File: VU048090.D

Acq: 15 Apr 2022 03:39

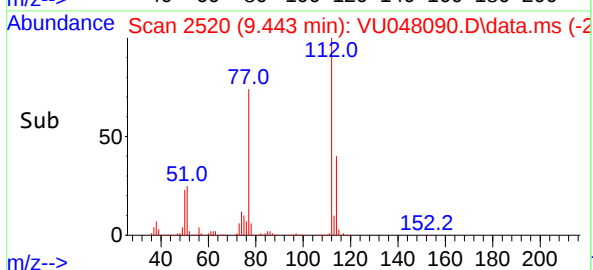
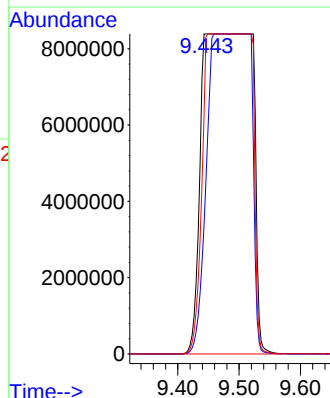
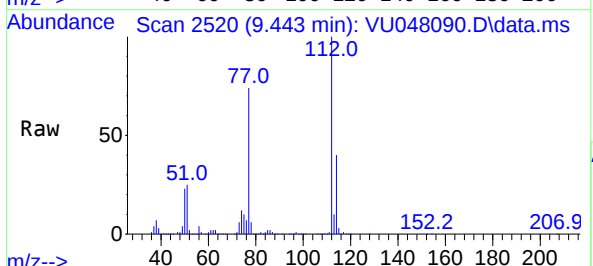
Tgt Ion:112 Resp:47817744

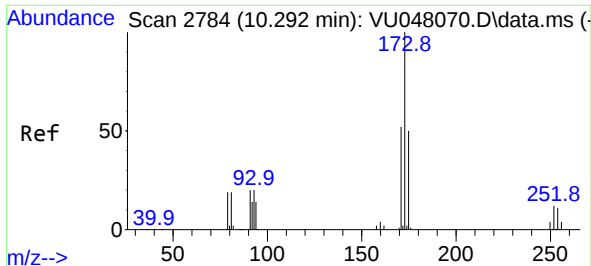
Ion Ratio Lower Upper

112 100

114 40.2 22.1 41.1

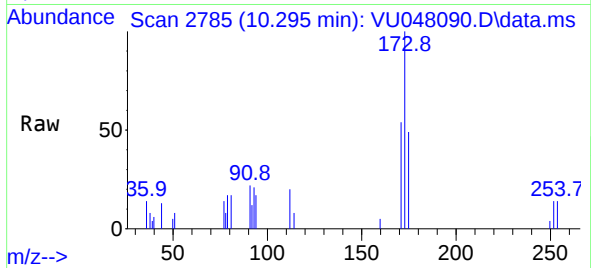
77 74.5 43.4 65.0#





#59
Bromoform
Concen: 1.215 ug/L
RT: 10.295 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

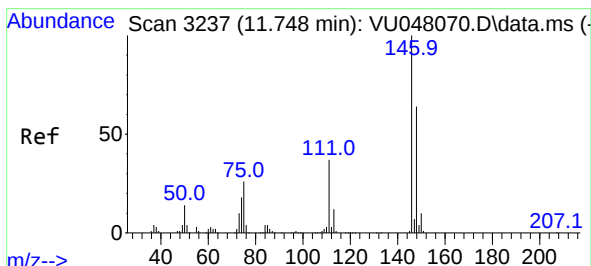
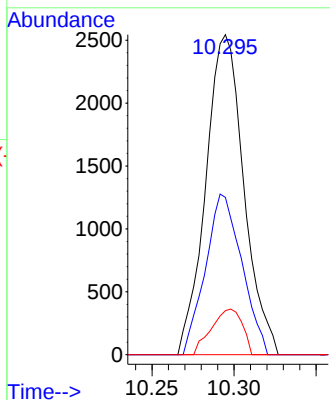
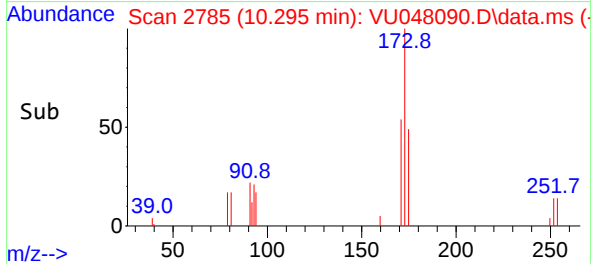
Instrument :
MSVOA_U
ClientSampleId :
C0J53



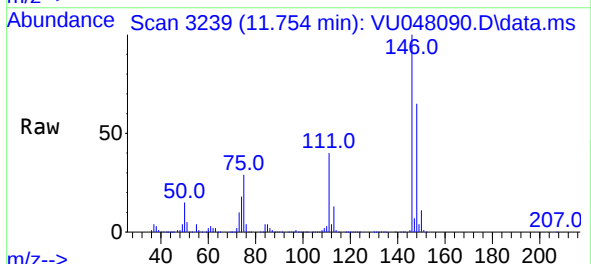
Tgt Ion:173 Resp: 410
Ion Ratio Lower Upper
173 100
175 47.8 38.7 58.1
254 11.6 9.6 14.4

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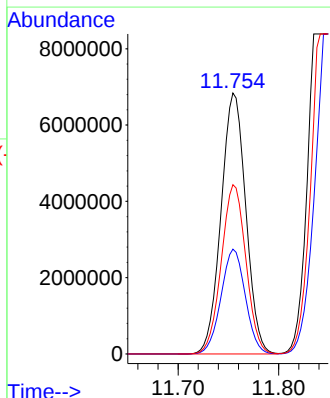
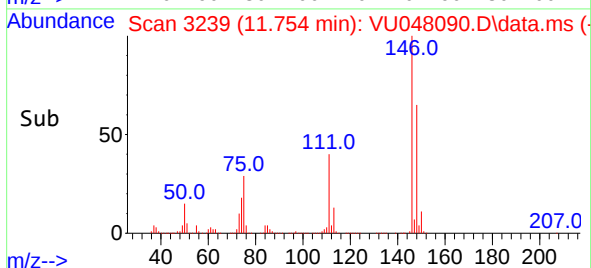
Reviewed By :Krupa Patel 04/15/2022
Supervised By :Mahesh Dadoda 04/19/2022

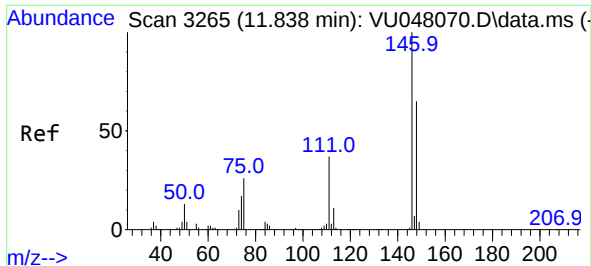


#64
1,3-Dichlorobenzene
Concen: 1472.633 ug/L
RT: 11.754 min Scan# 3239
Delta R.T. 0.006 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39



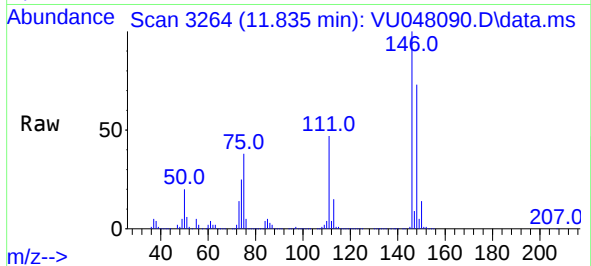
Tgt Ion:146 Resp:11701183
Ion Ratio Lower Upper
146 100
111 40.1 26.7 49.7
148 64.8 44.4 82.5





#65
1,4-Dichlorobenzene
Concen: 3922.212 ug/L m
RT: 11.835 min Scan# 3265
Delta R.T. -0.003 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

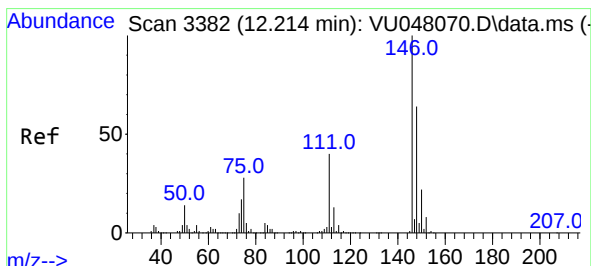
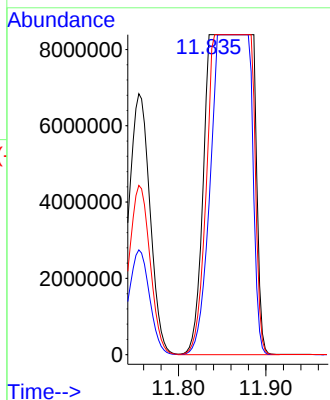
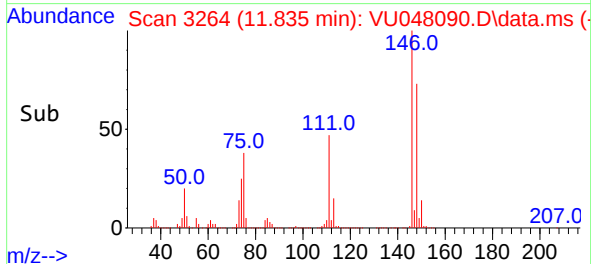
Instrument :
MSVOA_U
ClientSampleId :
C0J53



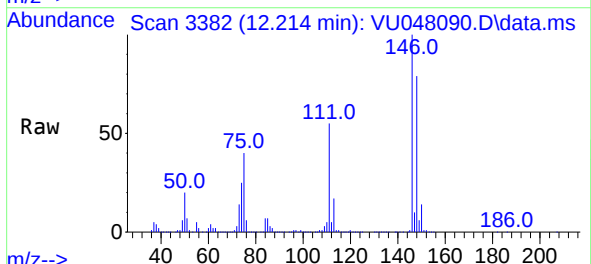
Tgt Ion:146 Resp:3228052
Ion Ratio Lower Upper
146 100
111 47.3 25.3 47.1#
148 72.6 44.5 82.7#

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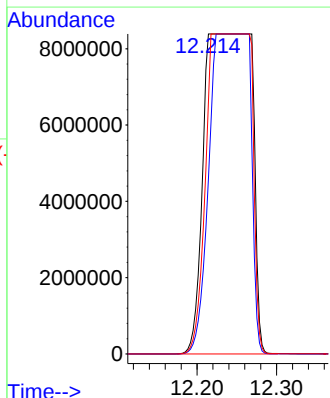
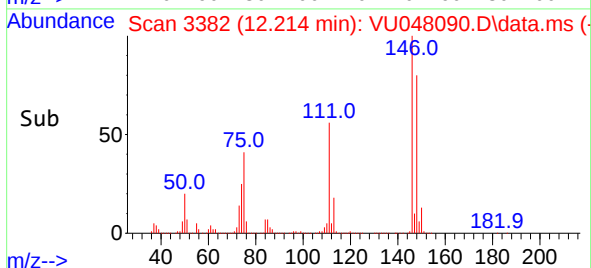
Reviewed By :Krupa Patel 04/15/2022
Supervised By :Mahesh Dadoda 04/19/2022

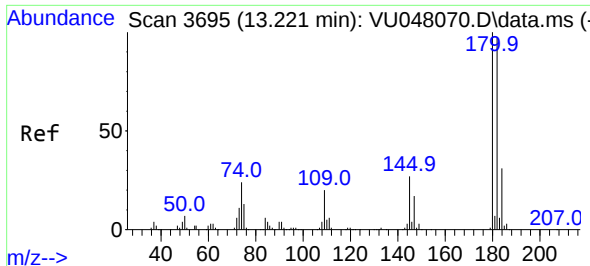


#67
1,2-Dichlorobenzene
Concen: 4395.401 ug/L m
RT: 12.214 min Scan# 3382
Delta R.T. -0.000 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39



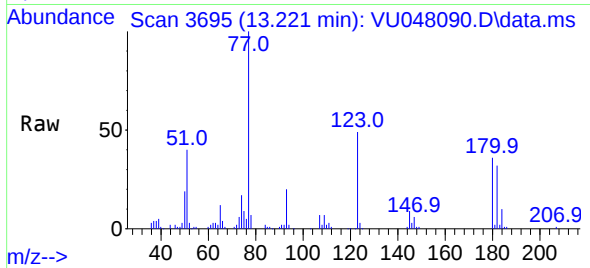
Tgt Ion:146 Resp:34945544
Ion Ratio Lower Upper
146 100
111 54.8 31.7 47.5#
148 78.8 51.4 77.2#





#69
1,3,5-Trichlorobenzene
Concen: 2.969 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. -0.000 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

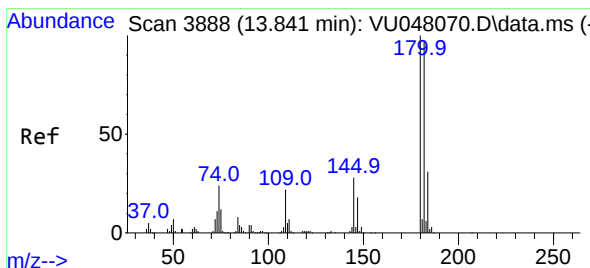
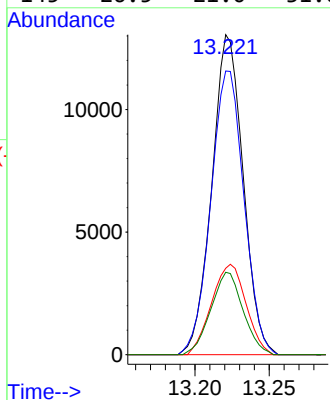
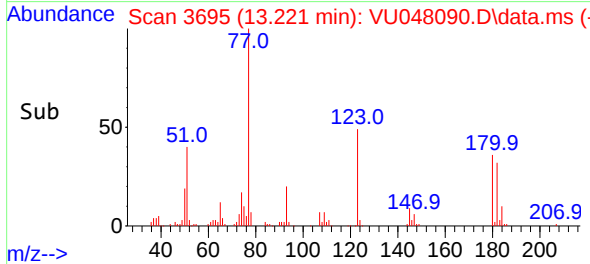
Instrument :
MSVOA_U
ClientSampleId :
C0J53



Tgt Ion:180 Resp: 19160
Ion Ratio Lower Upper
180 100
182 93.6 77.0 115.6
184 31.0 24.5 36.7
145 26.5 21.0 31.6

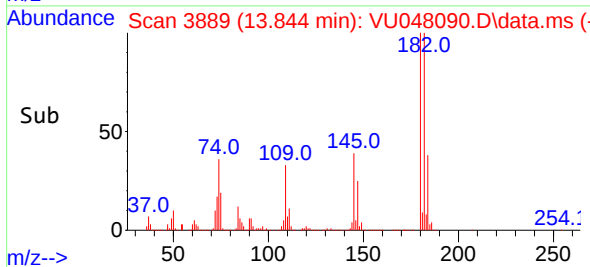
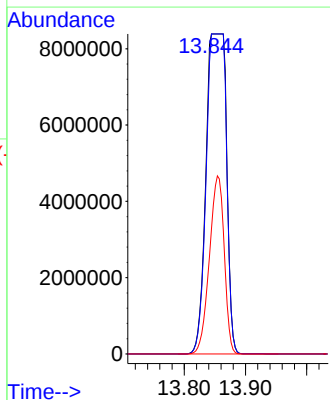
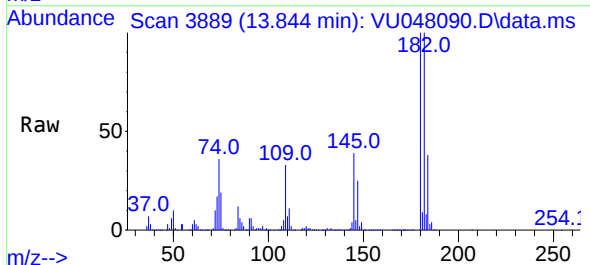
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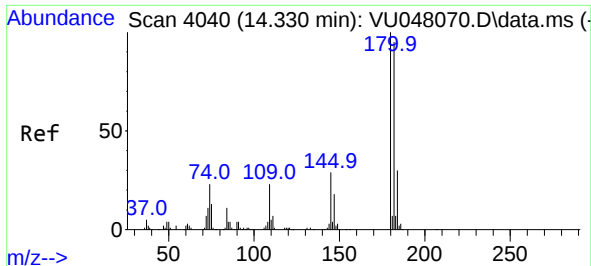
Reviewed By :Krupa Patel 04/15/2022
Supervised By :Mahesh Dadoda 04/19/2022



#70
1,2,4-trichlorobenzene
Concen: 3440.501 ug/L m
RT: 13.844 min Scan# 3889
Delta R.T. 0.003 min
Lab File: VU048090.D
Acq: 15 Apr 2022 03:39

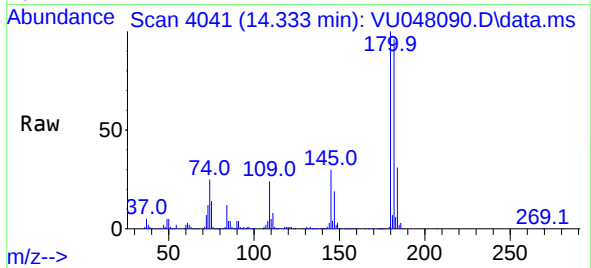
Tgt Ion:180 Resp:19446759
Ion Ratio Lower Upper
180 100
182 0.0 76.2 114.2#
145 0.0 21.8 32.8#





#72
 1,2,3-Trichlorobenzene
 Concen: 1229.423 ug/L
 RT: 14.333 min Scan# 40
 Delta R.T. 0.003 min
 Lab File: VU048090.D
 Acq: 15 Apr 2022 03:39

Instrument :
 MSVOA_U
 ClientSampleId :
 C0J53



Tgt Ion:180 Resp: 6966299
 Ion Ratio Lower Upper
 180 100
 182 96.0 77.4 116.0
 145 29.9 22.8 34.2

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 04/15/2022
 Supervised By :Mahesh Dadoda 04/19/2022

