

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041823\
 Data File : VW030651.D
 Acq On : 19 Apr 2023 05:02
 Operator : SY/MD
 Sample : 02398-11
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP2

Manual Integrations
 APPROVED

Reviewed By : John Carlone 04/19/2023
 Supervised By : Mahesh Dadoda 04/20/2023

Quant Time: Apr 19 05:46:07 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.548	114	285858	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	289115m	50.000	ug/L	0.06
58) 1,4-Dichlorobenzene-d4	11.242	152	240284m	50.000	ug/L	0.05
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	60226	28.740	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	57.480%#		
7) Chloroethane-d5	1.535	69	53568	30.504	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	61.000%#		
11) 1,1-Dichloroethene-d2	2.063	65	29809	29.996	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	60.000%		
21) 2-Butanone-d5	3.799	46	97736	84.914	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	84.910%		
24) Chloroform-d	4.262	84	194133	51.119	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	102.240%		
26) 1,2-Dichloroethane-d4	5.040	65	157519m	64.515	ug/L	0.09
Spiked Amount 50.000	Range 70 - 125		Recovery =	129.040%#		
32) Benzene-d6	5.027	84	309069	45.215	ug/L	0.06
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.440%		
36) 1,2-Dichloropropane-d6	6.001	67	84223	39.666	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	79.340%		
41) Toluene-d8	7.259	98	222903	34.732	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	69.460%#		
43) trans-1,3-Dichloroprop...	7.564	79	38749	36.208	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.420%		
47) 2-Hexanone-d5	8.037	63	67153	80.284	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	80.280%		
56) 1,1,2,2-Tetrachloroeth...	10.168	84	133090	43.197	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.400%		
66) 1,2-Dichlorobenzene-d4	11.622	152	168854	44.212	ug/L	0.05
Spiked Amount 50.000	Range 80 - 120		Recovery =	88.420%		
Target Compounds					Qvalue	
13) Acetone	2.117	43	225957	126.866	ug/L	99
14) Carbon disulfide	2.246	76	6011	1.063	ug/L #	92
16) Methylene chloride	2.455	84	92163	40.236	ug/L	96
22) 2-Butanone	3.911	43	16259m	8.834	ug/L	
25) Chloroform	4.284	83	1372582	321.888	ug/L	99
29) Cyclohexane	4.596	56	26666	7.686	ug/L	98
31) Carbon tetrachloride	4.754	117	85251	23.471	ug/L	98
33) Benzene	5.014	78	64177628m	7309.946	ug/L	
34) Trichloroethene	5.850	95	5174	2.266	ug/L	95
35) Methylcyclohexane	6.063	83	5125	1.432	ug/L #	71
42) Toluene	7.333	91	46256	4.919	ug/L	99
46) Tetrachloroethene	7.927	164	1983m	0.992	ug/L	
51) Chlorobenzene	8.824	112	84010067m	13489.206	ug/L	
64) 1,3-Dichlorobenzene	11.149	146	8274485	1102.887	ug/L	98
65) 1,4-Dichlorobenzene	11.226	146	47298187m	5978.480	ug/L	
67) 1,2-Dichlorobenzene	11.602	146	46672779m	6166.456	ug/L	
70) 1,2,4-trichlorobenzene	13.217	180	5197063	1080.017	ug/L	98
72) 1,2,3-Trichlorobenzene	13.692	180	1120023	234.727	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
Data File : VV030651.D
Acq On : 19 Apr 2023 05:02
Operator : SY/MD
Sample : 02398-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
COMP2

Manual Integrations
APPROVED

Reviewed By : John Carlone 04/19/2023
Supervised By : Mahesh Dadoda 04/20/2023

Quant Time: Apr 19 05:46:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 18 02:45:56 2023
Response via : Initial Calibration

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

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

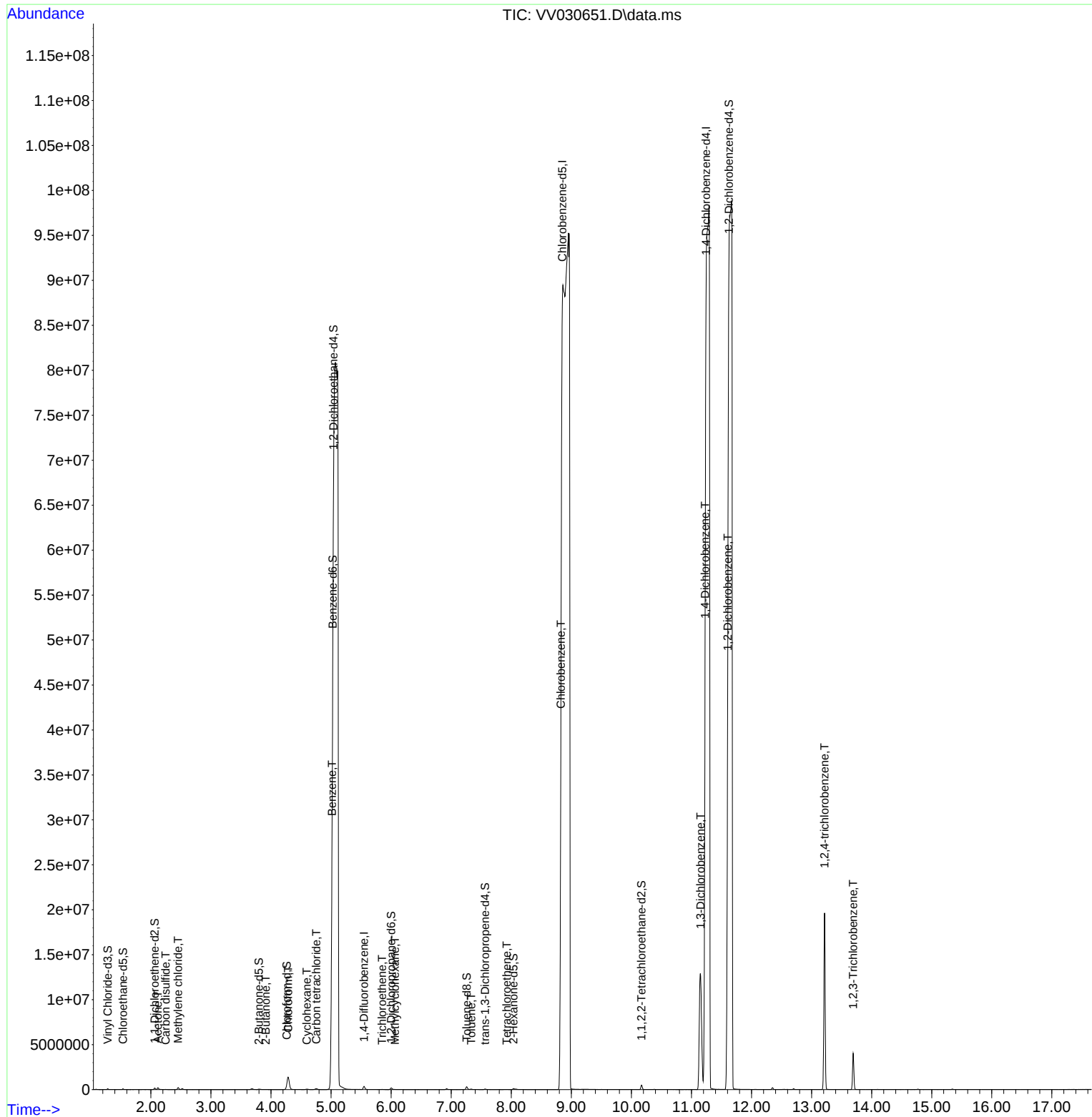
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
Data File : VV030651.D
Acq On : 19 Apr 2023 05:02
Operator : SY/MD
Sample : 02398-11
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 44 Sample Multiplier: 1

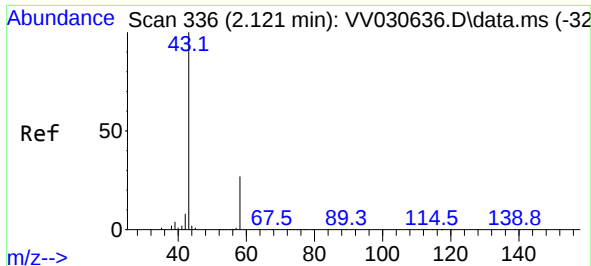
Instrument :
MSVOA_V
ClientSampleId :
COMP2

Manual Integrations
APPROVED

Reviewed By : John Carlone 04/19/2023
Supervised By : Mahesh Dadoda 04/20/2023

Quant Time: Apr 19 05:46:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 18 02:45:56 2023
Response via : Initial Calibration





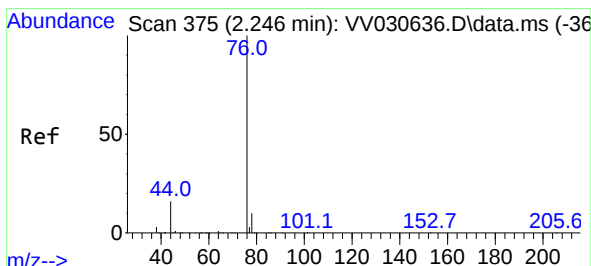
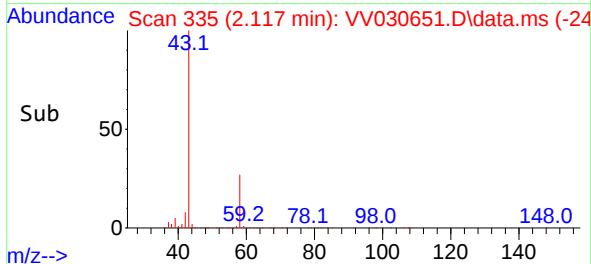
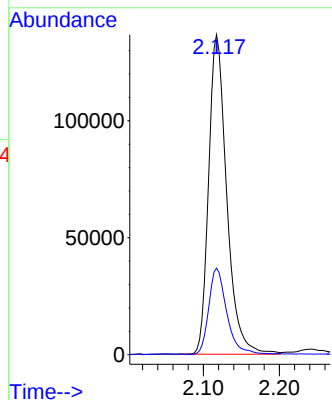
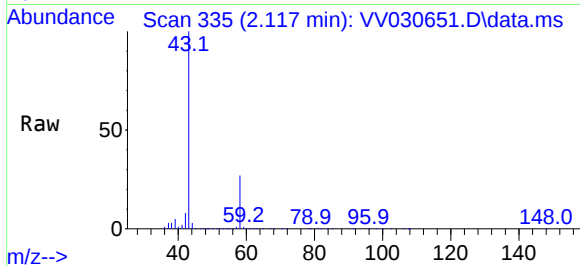
#13
Acetone
Concen: 126.866 ug/L
RT: 2.117 min Scan# 311
Delta R.T. -0.013 min
Lab File: VV030651.D
Acq: 19 Apr 2023 05:02

Instrument :
MSVOA_V
ClientSampleId :
COMP2

Tgt Ion: 43 Resp: 22595
Ion Ratio Lower Upper
43 100
58 26.8 0.0 52.8

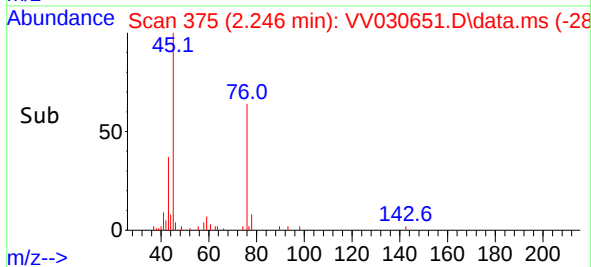
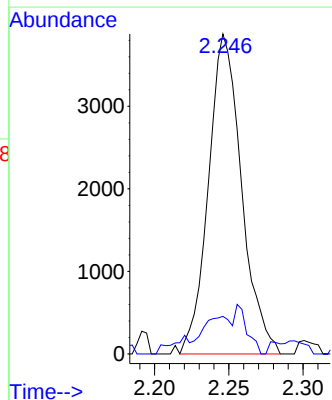
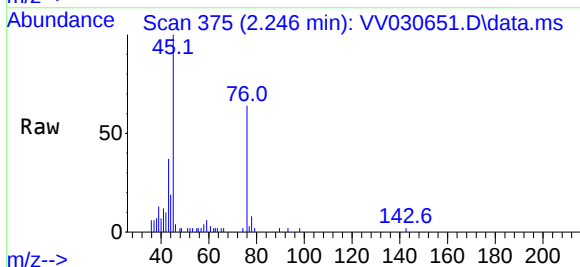
Manual Integrations
APPROVED

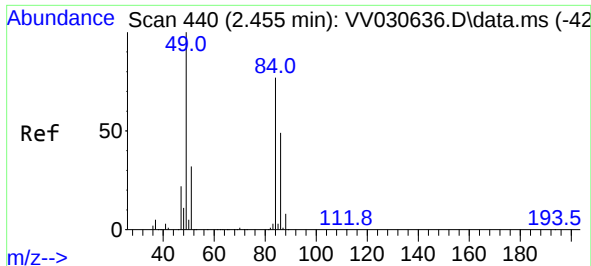
Reviewed By :John Carlone 04/19/2023
Supervised By :Mahesh Dadoda 04/20/2023



#14
Carbon disulfide
Concen: 1.063 ug/L
RT: 2.246 min Scan# 375
Delta R.T. -0.000 min
Lab File: VV030651.D
Acq: 19 Apr 2023 05:02

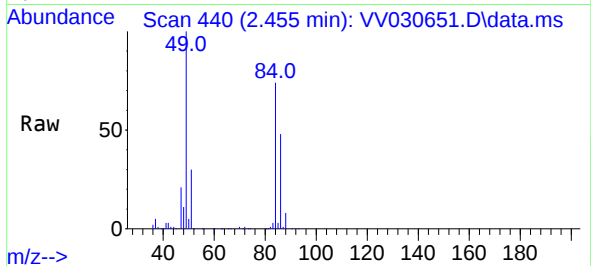
Tgt Ion: 76 Resp: 6011
Ion Ratio Lower Upper
76 100
78 11.7 7.0 10.4#





#16
Methylene chloride
Concen: 40.236 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030651.D
Acq: 19 Apr 2023 05:02

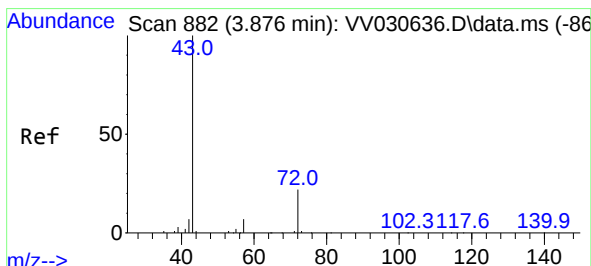
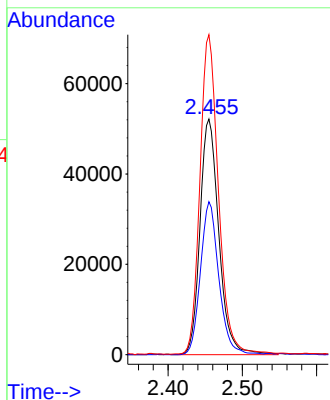
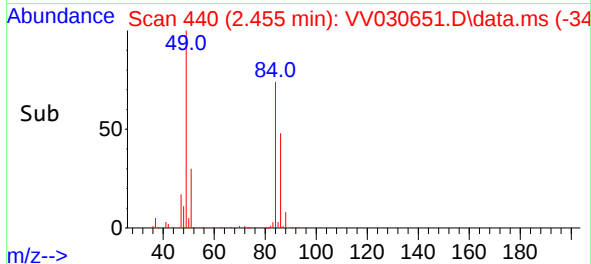
Instrument :
MSVOA_V
ClientSampleId :
COMP2



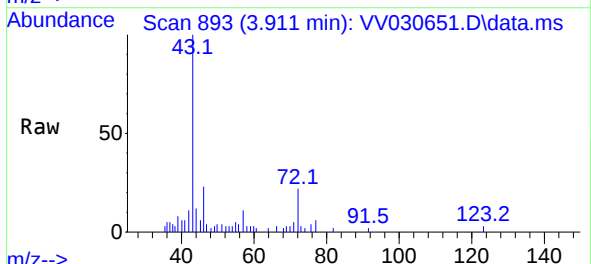
Tgt Ion: 84 Resp: 9216
Ion Ratio Lower Upper
84 100
86 64.9 45.4 84.2
49 135.8 90.4 168.0

Manual Integrations
APPROVED

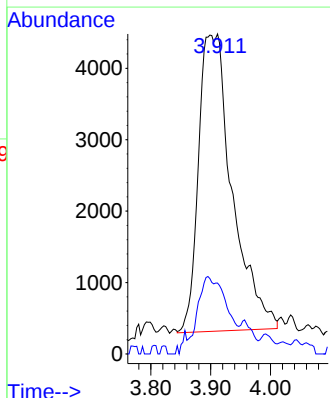
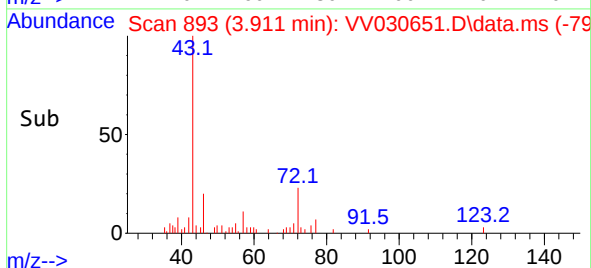
Reviewed By :John Carlone 04/19/2023
Supervised By :Mahesh Dadoda 04/20/2023

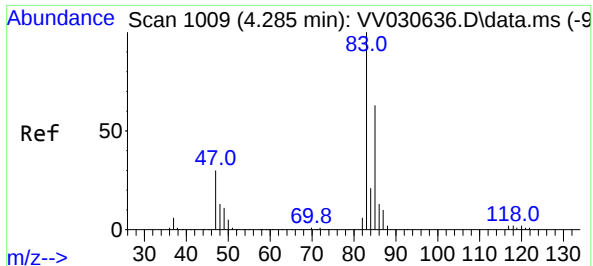


#22
2-Butanone
Concen: 8.834 ug/L m
RT: 3.911 min Scan# 893
Delta R.T. 0.029 min
Lab File: VV030651.D
Acq: 19 Apr 2023 05:02



Tgt Ion: 43 Resp: 16259
Ion Ratio Lower Upper
43 100
72 9.0 11.5 34.4#





#25

Chloroform

Concen: 321.888 ug/L

RT: 4.284 min Scan# 1009

Delta R.T. -0.000 min

Lab File: VV030651.D

Acq: 19 Apr 2023 05:02

Instrument :

MSVOA_V

ClientSampleId :

COMP2

Tgt Ion: 83 Resp: 137258

Ion Ratio Lower Upper

83 100

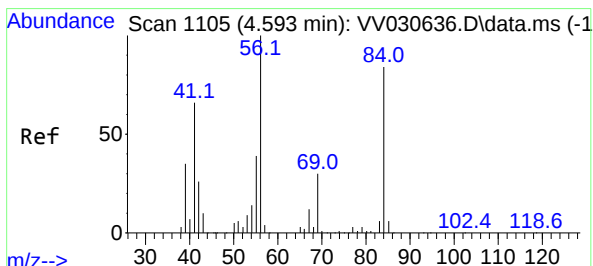
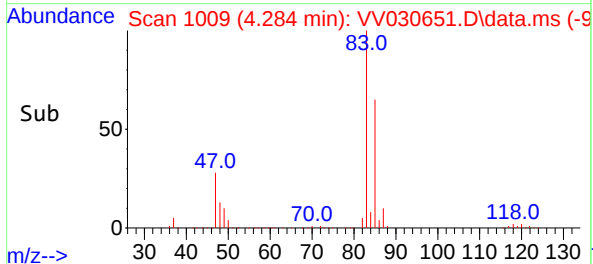
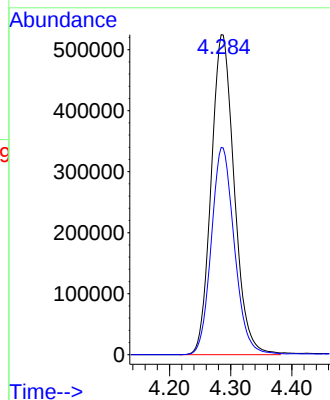
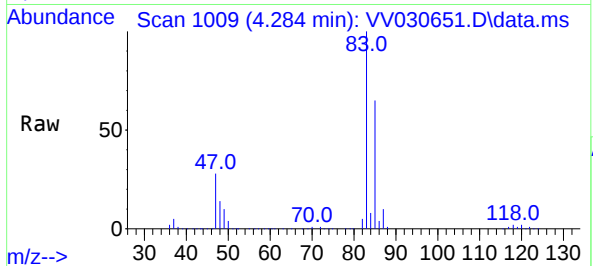
85 64.7 45.8 85.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/19/2023

Supervised By :Mahesh Dadoda 04/20/2023



#29

Cyclohexane

Concen: 7.686 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV030651.D

Acq: 19 Apr 2023 05:02

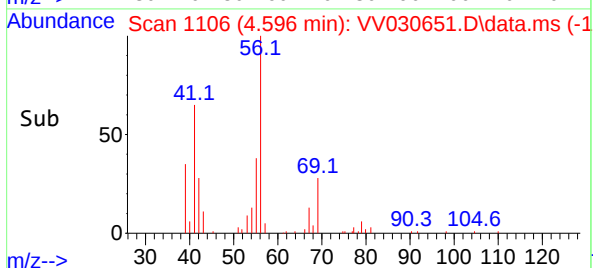
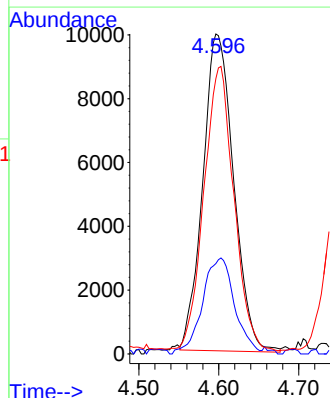
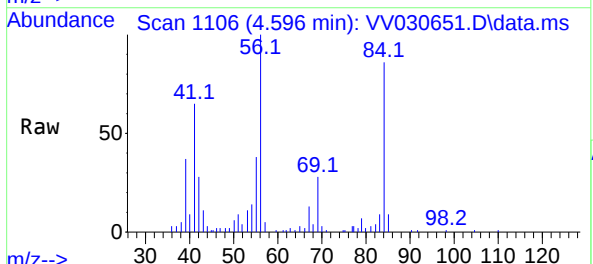
Tgt Ion: 56 Resp: 26666

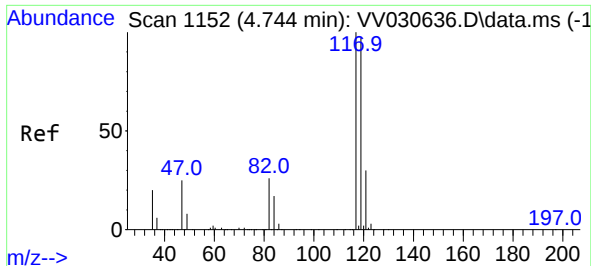
Ion Ratio Lower Upper

56 100

69 31.5 24.0 36.0

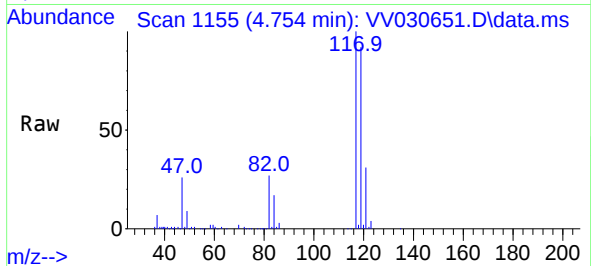
84 87.1 68.2 102.2





#31
Carbon tetrachloride
Concen: 23.471 ug/L
RT: 4.754 min Scan# 1155
Delta R.T. 0.009 min
Lab File: VV030651.D
Acq: 19 Apr 2023 05:02

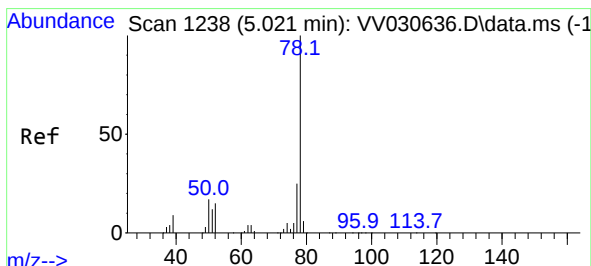
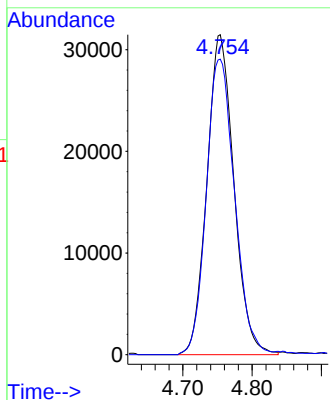
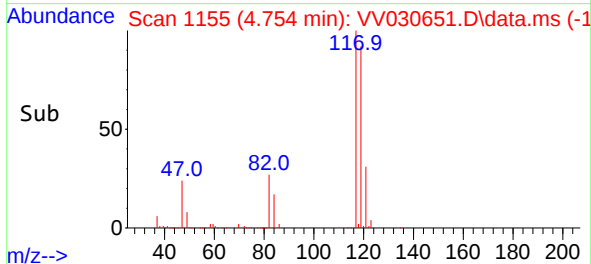
Instrument :
MSVOA_V
ClientSampleId :
COMP2



Tgt Ion:117 Resp: 8525
Ion Ratio Lower Upper
117 100
119 96.7 75.9 113.9

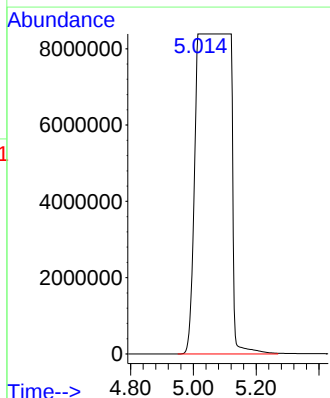
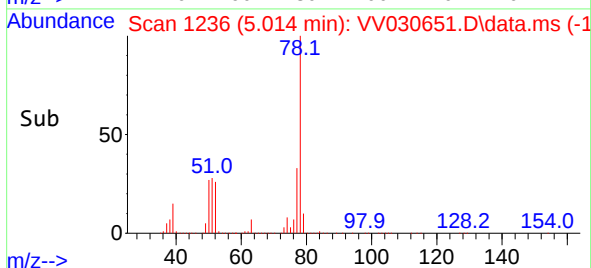
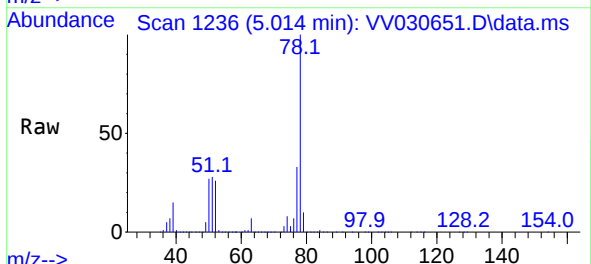
Manual Integrations
APPROVED

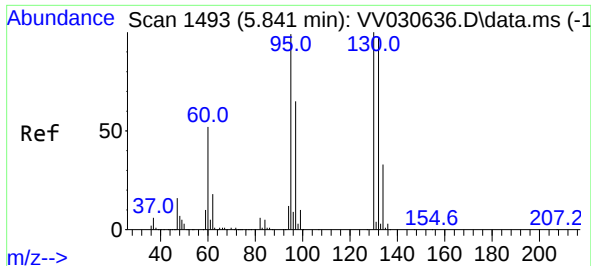
Reviewed By :John Carlone 04/19/2023
Supervised By :Mahesh Dadoda 04/20/2023



#33
Benzene
Concen: 7309.946 ug/L m
RT: 5.014 min Scan# 1236
Delta R.T. -0.003 min
Lab File: VV030651.D
Acq: 19 Apr 2023 05:02

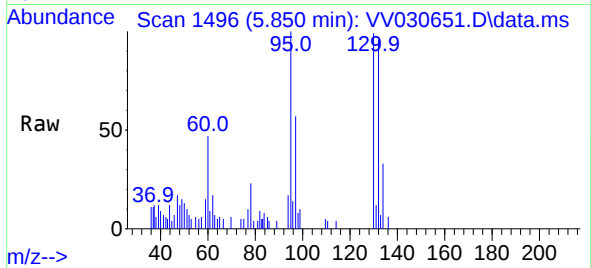
Tgt Ion: 78 Resp:64177628





#34
Trichloroethene
Concen: 2.266 ug/L
RT: 5.850 min Scan# 1493
Delta R.T. 0.009 min
Lab File: VV030651.D
Acq: 19 Apr 2023 05:02

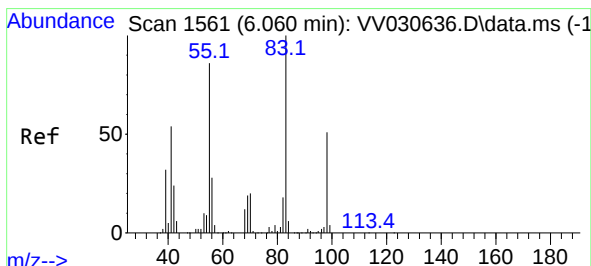
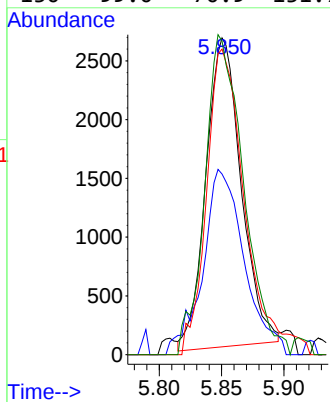
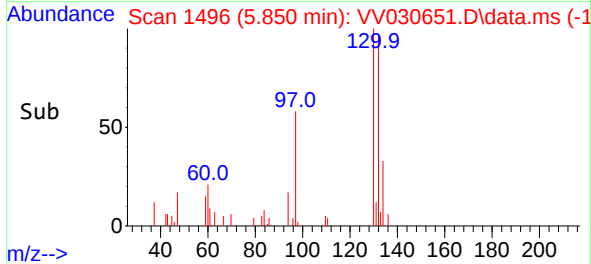
Instrument :
MSVOA_V
ClientSampleId :
COMP2



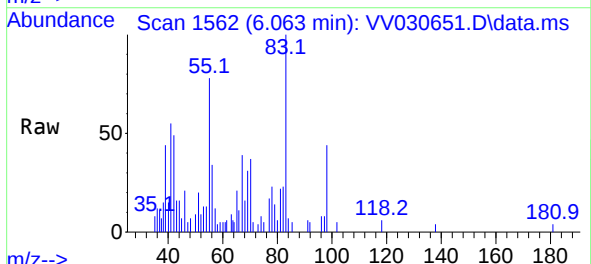
Tgt Ion: 95 Resp: 5174
Ion Ratio Lower Upper
95 100
97 57.0 45.8 85.2
132 96.4 70.6 131.2
130 99.0 70.9 131.7

Manual Integrations
APPROVED

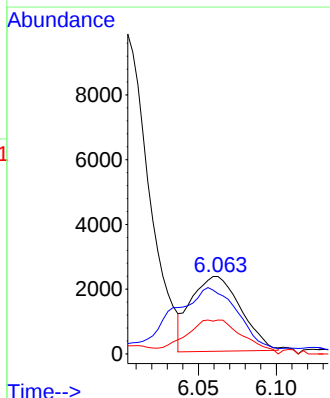
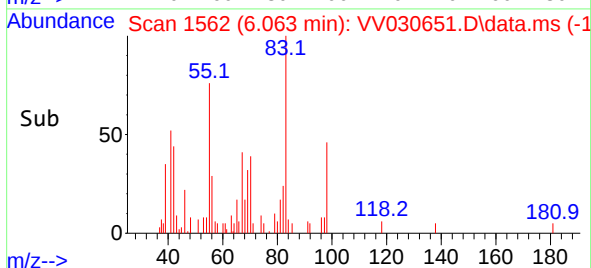
Reviewed By :John Carlone 04/19/2023
Supervised By :Mahesh Dadoda 04/20/2023

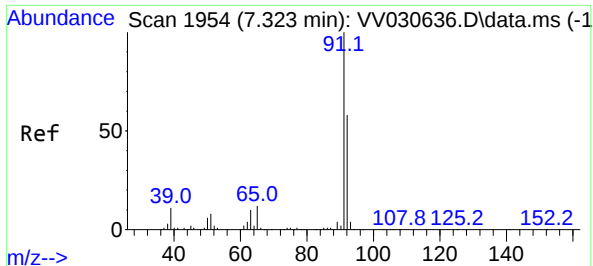


#35
Methylcyclohexane
Concen: 1.432 ug/L
RT: 6.063 min Scan# 1562
Delta R.T. 0.003 min
Lab File: VV030651.D
Acq: 19 Apr 2023 05:02



Tgt Ion: 83 Resp: 5125
Ion Ratio Lower Upper
83 100
55 63.3 65.5 98.3#
98 19.4 38.7 58.1#





#42

Toluene

Concen: 4.919 ug/L

RT: 7.333 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VV030651.D

Acq: 19 Apr 2023 05:02

Instrument :

MSVOA_V

ClientSampleId :

COMP2

Tgt Ion: 91 Resp: 46250

Ion Ratio Lower Upper

91 100

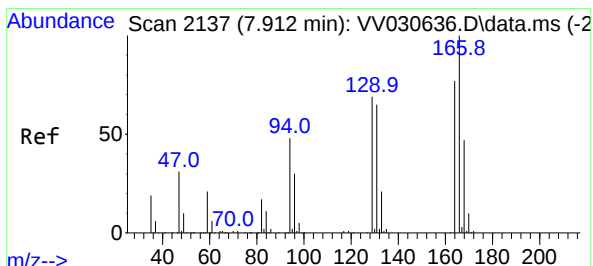
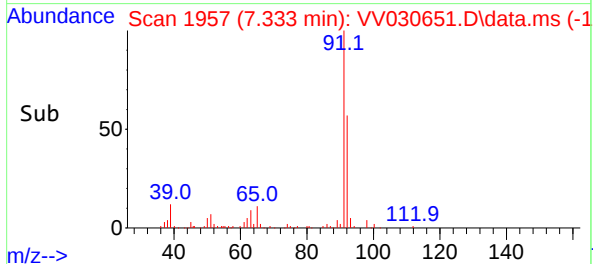
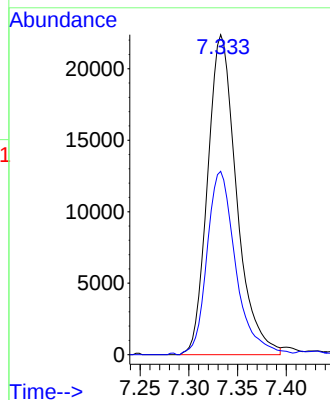
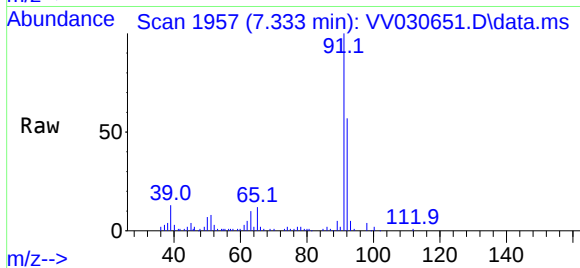
92 57.3 39.8 73.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/19/2023

Supervised By :Mahesh Dadoda 04/20/2023



#46

Tetrachloroethene

Concen: 0.992 ug/L m

RT: 7.927 min Scan# 2142

Delta R.T. 0.016 min

Lab File: VV030651.D

Acq: 19 Apr 2023 05:02

Tgt Ion:164 Resp: 1983

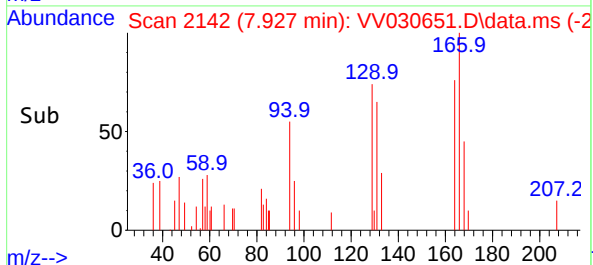
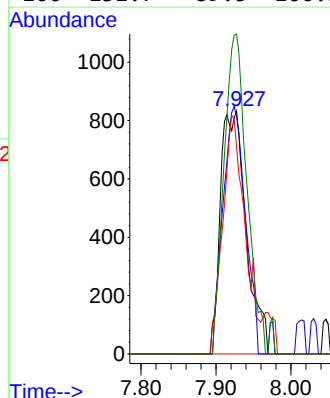
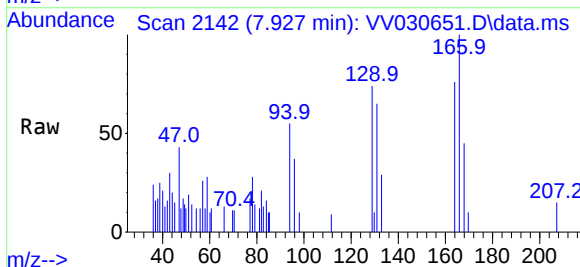
Ion Ratio Lower Upper

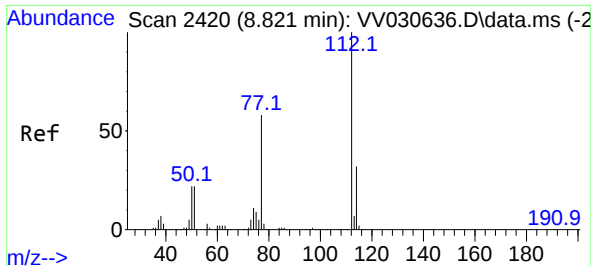
164 100

129 97.8 63.8 118.6

131 85.5 60.3 111.9

166 131.7 89.5 166.1





#51

Chlorobenzene

Concen: 13489.206 ug/L m

RT: 8.824 min Scan# 2420

Delta R.T. 0.003 min

Lab File: VV030651.D

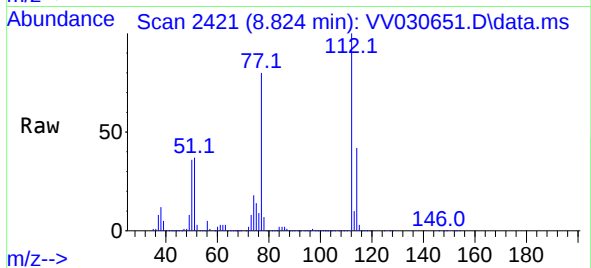
Acq: 19 Apr 2023 05:02

Instrument :

MSVOA_V

ClientSampleId :

COMP2



Tgt Ion:112 Resp:8401006

Ion Ratio Lower Upper

112 100

114 42.4 22.4 41.6

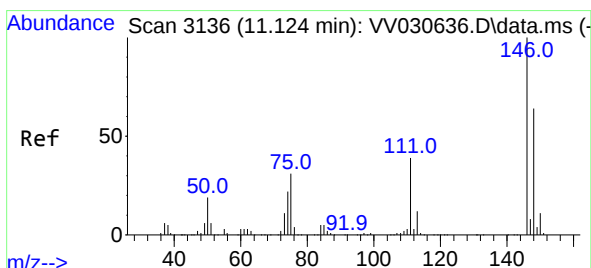
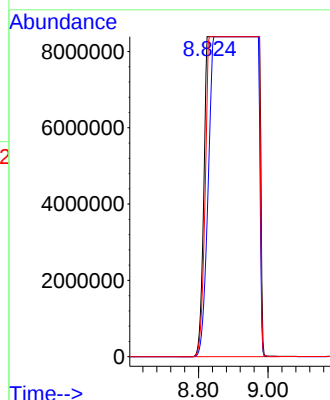
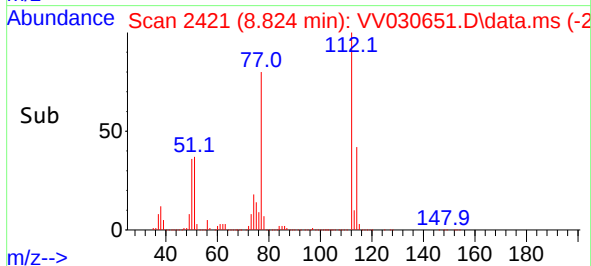
77 80.0 47.4 71.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/19/2023

Supervised By :Mahesh Dadoda 04/20/2023



#64

1,3-Dichlorobenzene

Concen: 1102.887 ug/L

RT: 11.149 min Scan# 3144

Delta R.T. 0.026 min

Lab File: VV030651.D

Acq: 19 Apr 2023 05:02

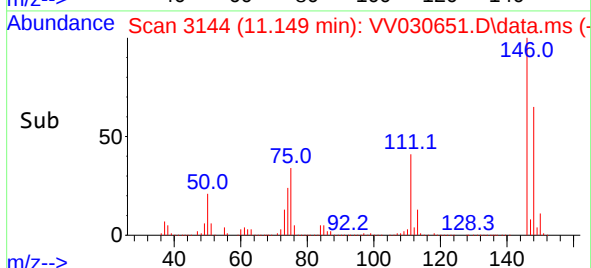
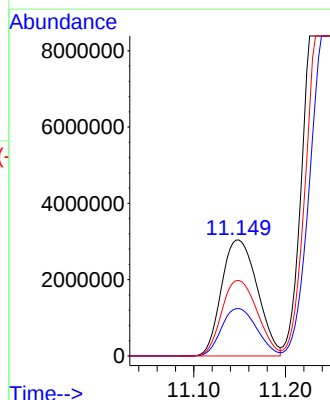
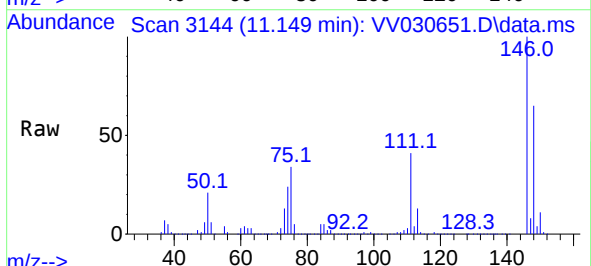
Tgt Ion:146 Resp: 8274485

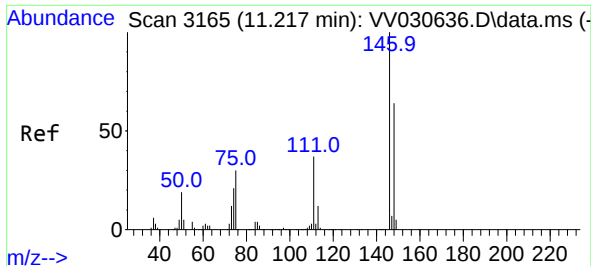
Ion Ratio Lower Upper

146 100

111 40.8 27.0 50.2

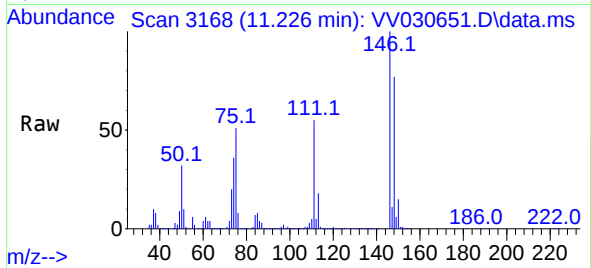
148 65.1 44.8 83.2





#65
1,4-Dichlorobenzene
Concen: 5978.480 ug/L m
RT: 11.226 min Scan# 3165
Delta R.T. 0.009 min
Lab File: VV030651.D
Acq: 19 Apr 2023 05:02

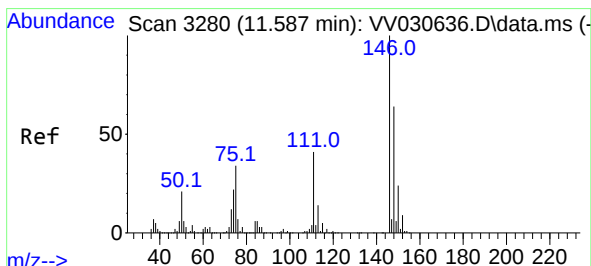
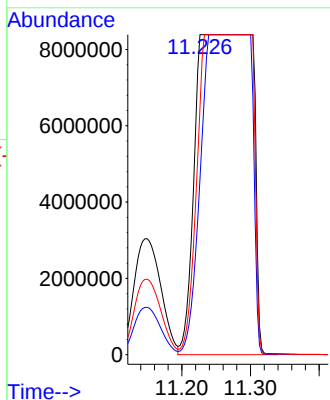
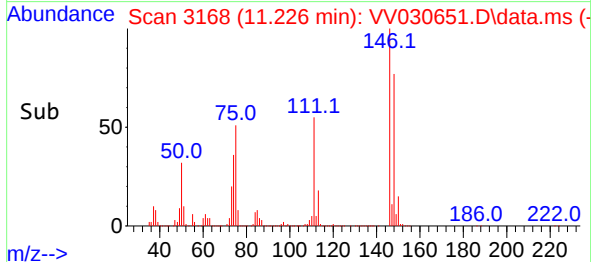
Instrument :
MSVOA_V
ClientSampleId :
COMP2



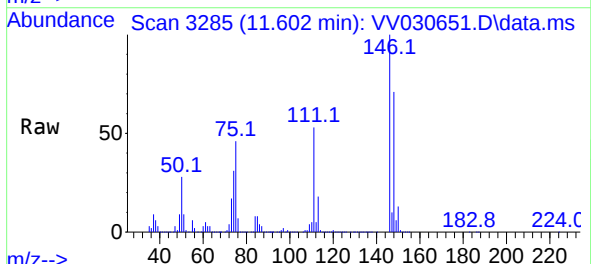
Tgt Ion:146 Resp:4729818
Ion Ratio Lower Upper
146 100
111 54.8 26.5 49.1
148 77.0 44.7 83.1

Manual Integrations
APPROVED

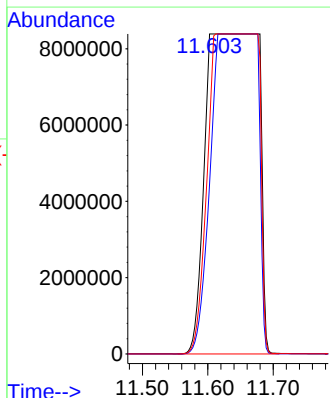
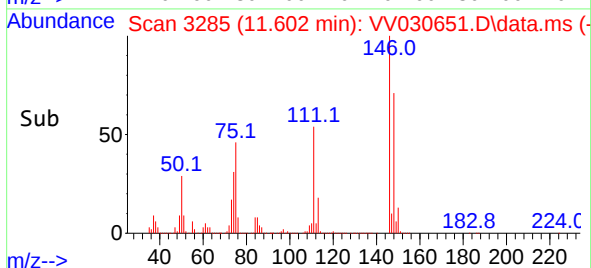
Reviewed By :John Carlone 04/19/2023
Supervised By :Mahesh Dadoda 04/20/2023

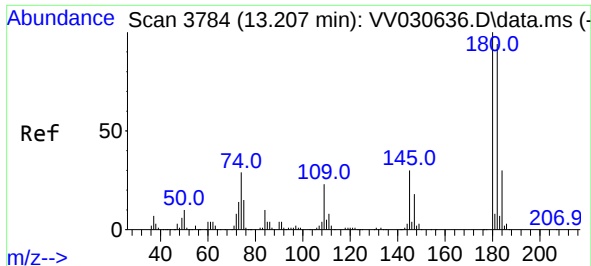


#67
1,2-Dichlorobenzene
Concen: 6166.456 ug/L m
RT: 11.602 min Scan# 3285
Delta R.T. 0.016 min
Lab File: VV030651.D
Acq: 19 Apr 2023 05:02



Tgt Ion:146 Resp:46672779
Ion Ratio Lower Upper
146 100
111 53.1 32.0 48.0
148 71.0 50.6 76.0





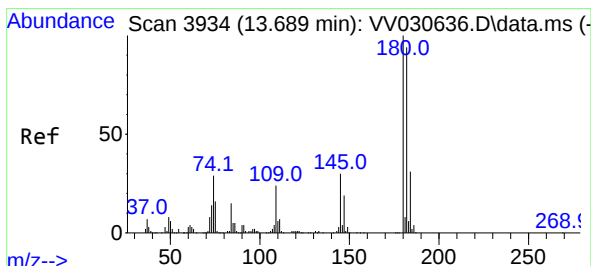
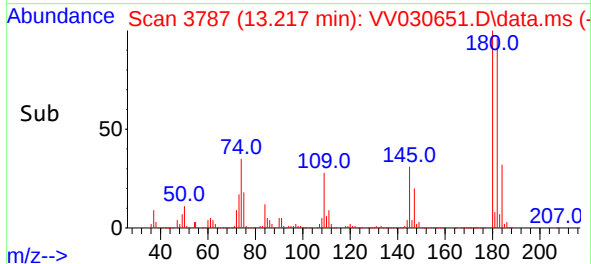
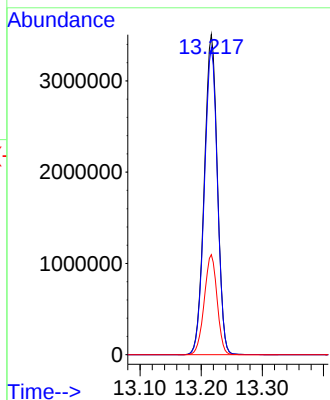
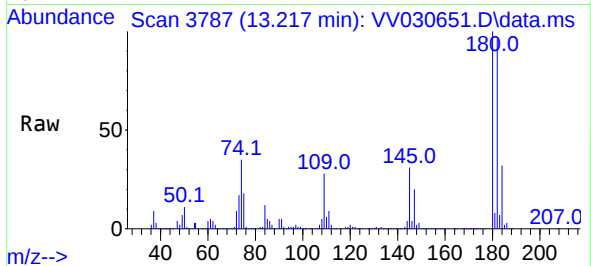
#70
1,2,4-trichlorobenzene
Concen: 1080.017 ug/L
RT: 13.217 min Scan# 31
Delta R.T. 0.009 min
Lab File: VV030651.D
Acq: 19 Apr 2023 05:02

Instrument :
MSVOA_V
ClientSampleId :
COMP2

Tgt Ion:180 Resp: 519706
Ion Ratio Lower Upper
180 100
182 96.1 75.9 113.9
145 30.8 23.4 35.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 04/19/2023
Supervised By :Mahesh Dadoda 04/20/2023



#72
1,2,3-Trichlorobenzene
Concen: 234.727 ug/L
RT: 13.692 min Scan# 3935
Delta R.T. 0.003 min
Lab File: VV030651.D
Acq: 19 Apr 2023 05:02

Tgt Ion:180 Resp: 1120023
Ion Ratio Lower Upper
180 100
182 95.2 76.2 114.4
145 31.5 25.1 37.7

