

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041823\
 Data File : VW030650.D
 Acq On : 19 Apr 2023 04:38
 Operator : SY/MD
 Sample : 02398-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMN7

Quant Time: Apr 19 05:21:47 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	247154	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.799	117	256470	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.201	152	168203	50.000	ug/L	# 0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	57480	31.725	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	63.440%		
7) Chloroethane-d5	1.535	69	51488m	33.911	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	67.820%#		
11) 1,1-Dichloroethene-d2	2.066	65	29419	34.239	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	68.480%		
21) 2-Butanone-d5	3.799	46	85403	85.818	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	85.820%		
24) Chloroform-d	4.259	84	134359	40.920	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	81.840%		
26) 1,2-Dichloroethane-d4	4.953	65	89387	42.343	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.680%		
32) Benzene-d6	4.973	84	226808	37.404	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	74.800%		
36) 1,2-Dichloropropane-d6	5.998	67	72823	38.663	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	77.320%		
41) Toluene-d8	7.252	98	194330	34.134	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	68.260%#		
43) trans-1,3-Dichloroprop...	7.561	79	34887	36.749	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.500%		
47) 2-Hexanone-d5	8.034	63	55786	75.183	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	75.180%		
56) 1,1,2,2-Tetrachloroeth...	10.162	84	100283	36.692	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	73.380%		
66) 1,2-Dichlorobenzene-d4	11.583	152	123201m	46.082	ug/L	0.01
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.160%		
Target Compounds					Qvalue	
25) Chloroform	4.285	83	213408	57.884	ug/L	98
29) Cyclohexane	4.593	56	3591m	1.167	ug/L	
31) Carbon tetrachloride	4.744	117	51721	16.052	ug/L	96
33) Benzene	5.021	78	7818615	1003.909	ug/L	100
46) Tetrachloroethene	7.918	164	1073	0.605	ug/L	82
51) Chlorobenzene	8.825	112	19643234m	3555.512	ug/L	
64) 1,3-Dichlorobenzene	11.130	146	3795201	722.630	ug/L	98
65) 1,4-Dichlorobenzene	11.226	146	16459502m	2972.036	ug/L	
67) 1,2-Dichlorobenzene	11.596	146	18416669m	3475.955	ug/L	
70) 1,2,4-trichlorobenzene	13.213	180	5057373	1501.374	ug/L	99
72) 1,2,3-Trichlorobenzene	13.693	180	1700526	509.108	ug/L	99

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

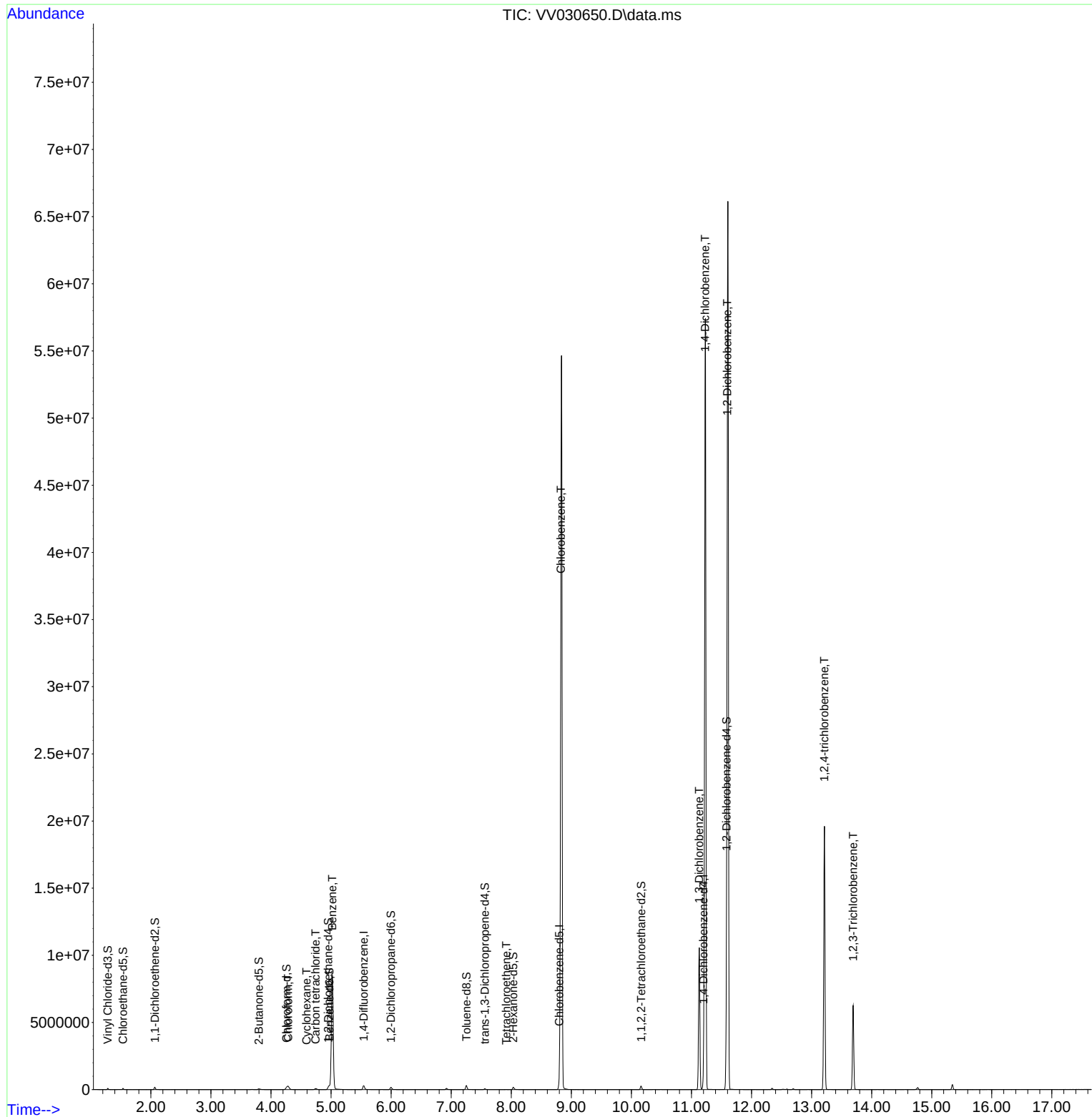
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
Data File : VV030650.D
Acq On : 19 Apr 2023 04:38
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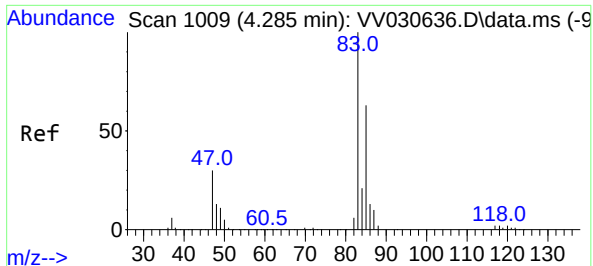
Instrument :
MSVOA_V
ClientSampleId :
COMN7

Quant Time: Apr 19 05:21:47 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 18 02:45:56 2023
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#25

Chloroform

Concen: 57.884 ug/L

RT: 4.285 min Scan# 1009

Delta R.T. -0.000 min

Lab File: VV030650.D

Acq: 19 Apr 2023 04:38

Instrument :

MSVOA_V

ClientSampleId :

COMN7

Tgt Ion: 83 Resp: 213408

Ion Ratio Lower Upper

83 100

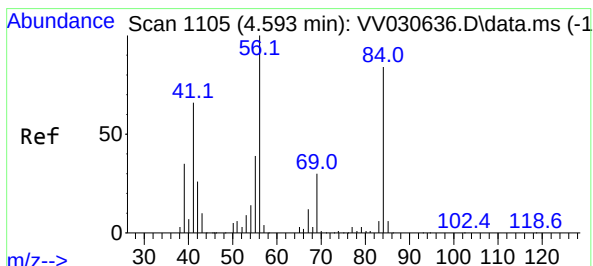
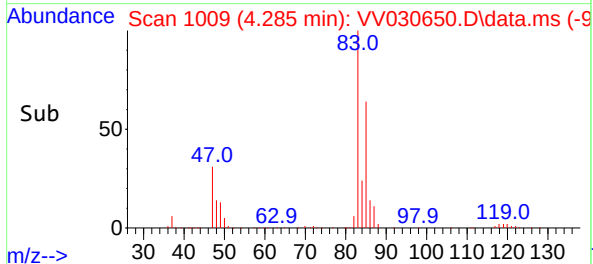
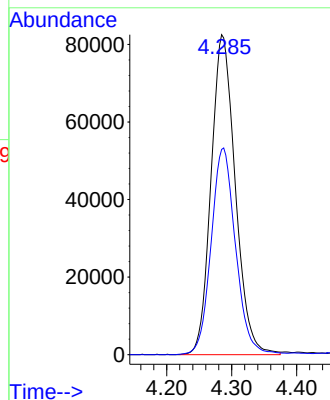
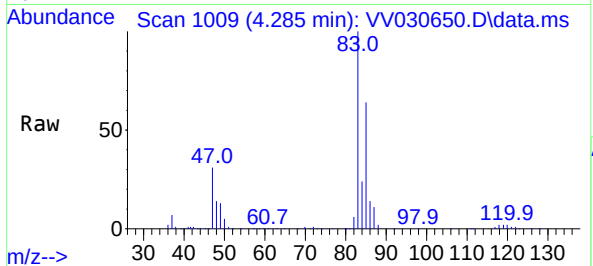
85 64.1 45.8 85.2

Manual Integrations

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#29

Cyclohexane

Concen: 1.167 ug/L m

RT: 4.593 min Scan# 1105

Delta R.T. -0.000 min

Lab File: VV030650.D

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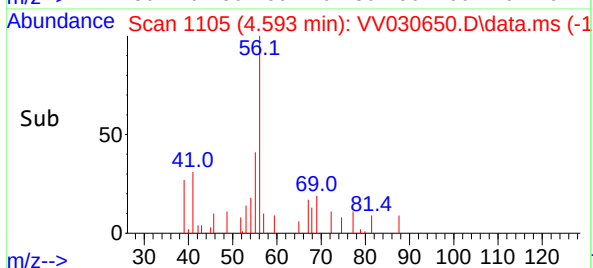
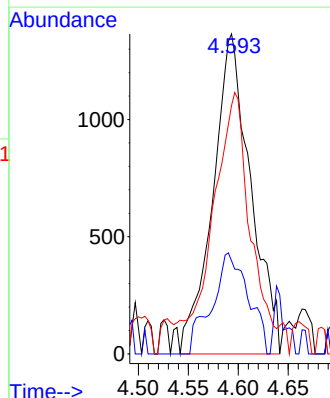
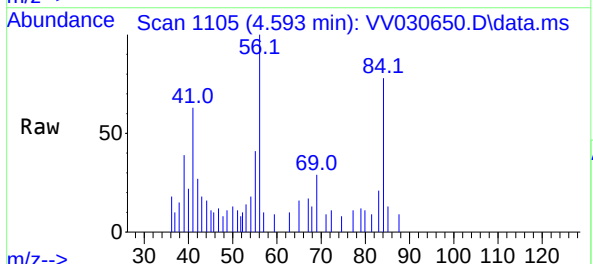
Tgt Ion: 56 Resp: 3591

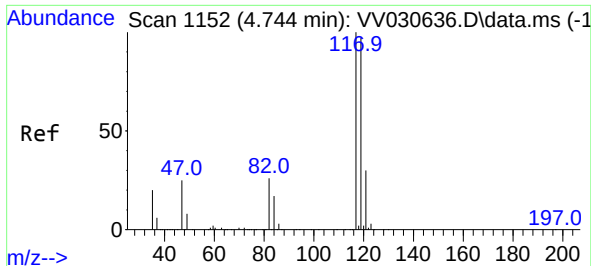
Ion Ratio Lower Upper

56 100

69 1.1 24.0 36.0#

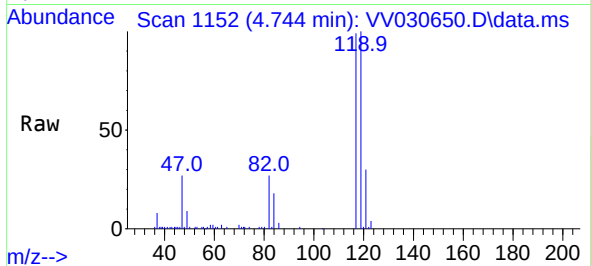
84 3.9 68.2 102.2#





#31
Carbon tetrachloride
Concen: 16.052 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV030650.D
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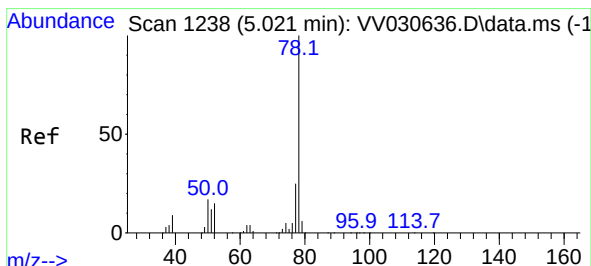
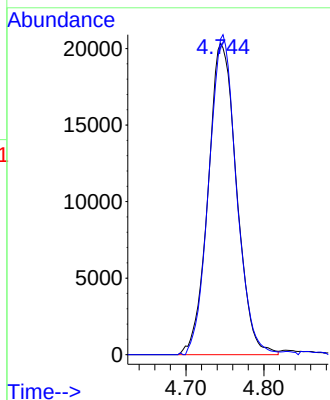
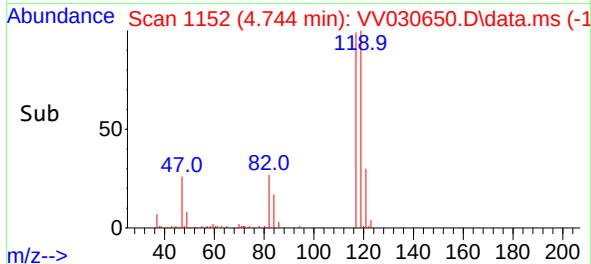
Instrument :
MSVOA_V
ClientSampleId :
COMN7



Tgt Ion:117 Resp: 5172
Ion Ratio Lower Upper
117 100
119 99.1 75.9 113.9

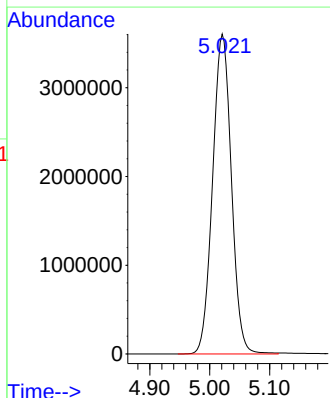
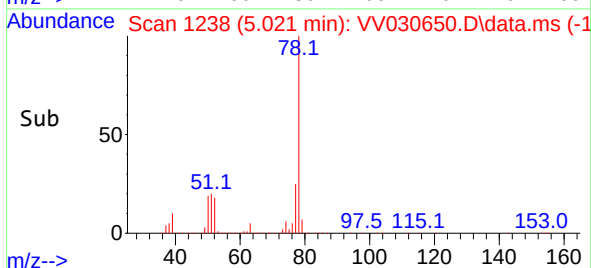
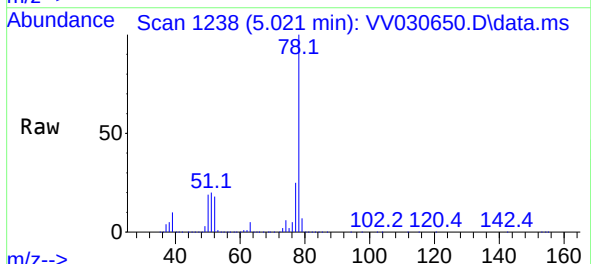
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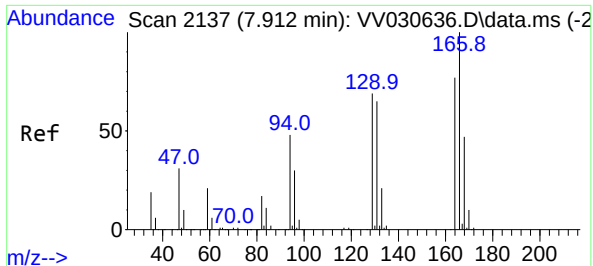
Reviewed By :John Carlone 04/19/2023
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#33
Benzene
Concen: 1003.909 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030650.D
Acq: 19 Apr 2023 04:38

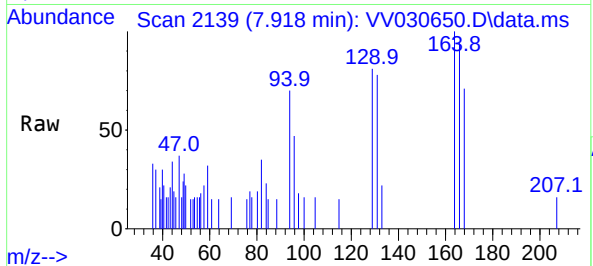
Tgt Ion: 78 Resp: 7818615





#46
Tetrachloroethene
Concen: 0.605 ug/L
RT: 7.918 min Scan# 2137
Delta R.T. 0.006 min
Lab File: VV030650.D
Acq: 19 Apr 2023 04:38

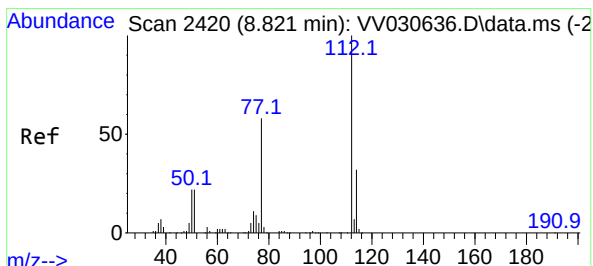
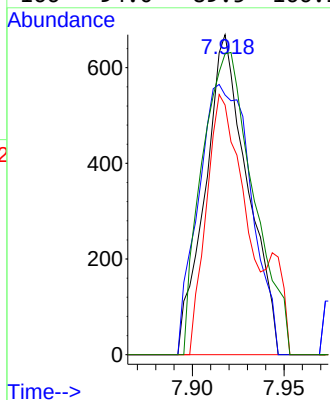
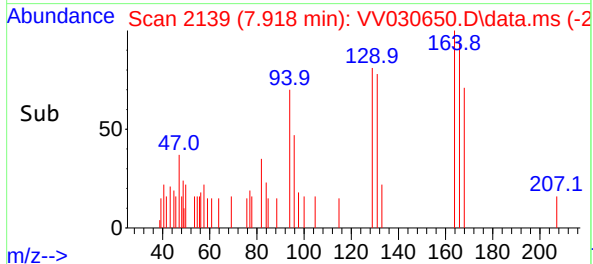
Instrument :
MSVOA_V
ClientSampleId :
COMN7



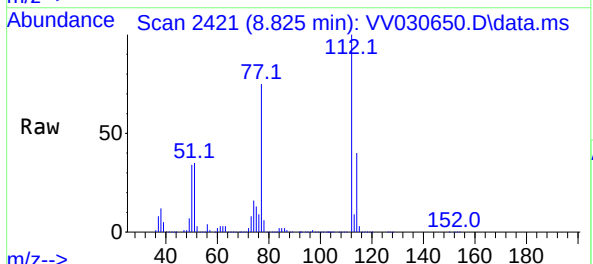
Tgt Ion:164 Resp: 107
Ion Ratio Lower Upper
164 100
129 81.2 63.8 118.6
131 78.0 60.3 111.9
166 94.0 89.5 166.1

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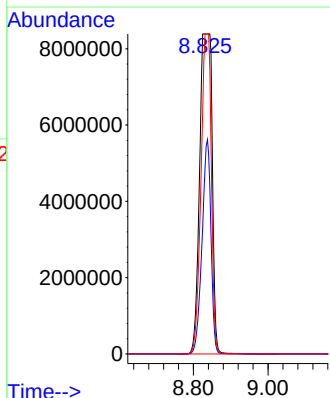
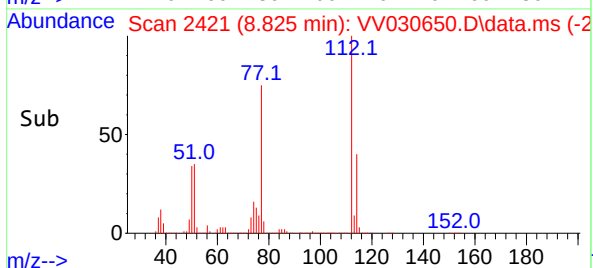
Reviewed By :John Carlone 04/19/2023
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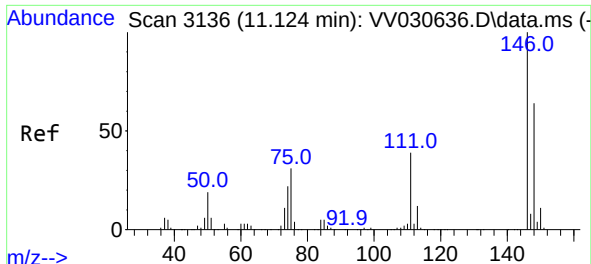


#51
Chlorobenzene
Concen: 3555.512 ug/L m
RT: 8.825 min Scan# 2421
Delta R.T. 0.003 min
Lab File: VV030650.D
Acq: 19 Apr 2023 04:38



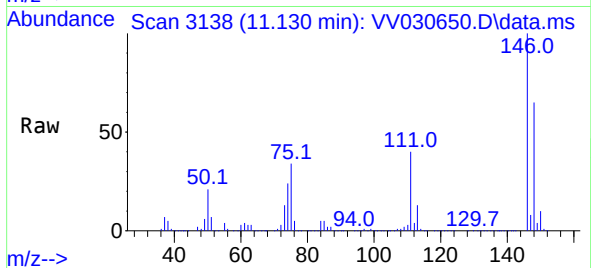
Tgt Ion:112 Resp:19643234
Ion Ratio Lower Upper
112 100
114 39.6 22.4 41.6
77 75.5 47.4 71.0#





#64
1,3-Dichlorobenzene
Concen: 722.630 ug/L
RT: 11.130 min Scan# 3136
Delta R.T. 0.006 min
Lab File: VV030650.D
Acq: 19 Apr 2023 04:38

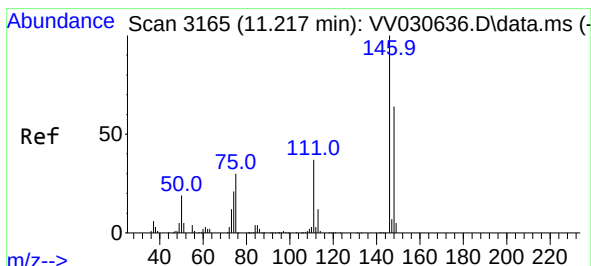
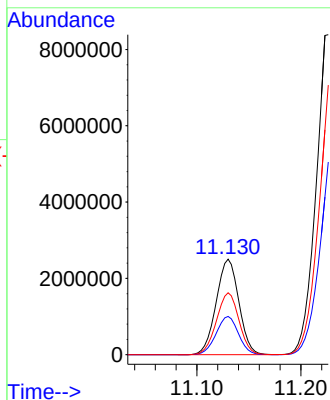
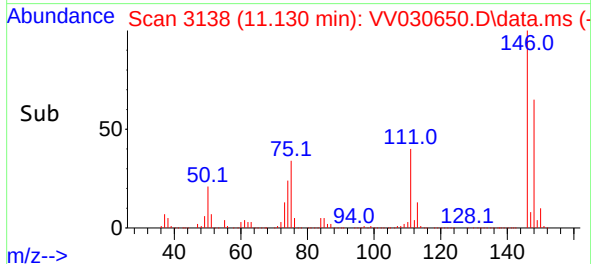
Instrument :
MSVOA_V
ClientSampleId :
COMN7



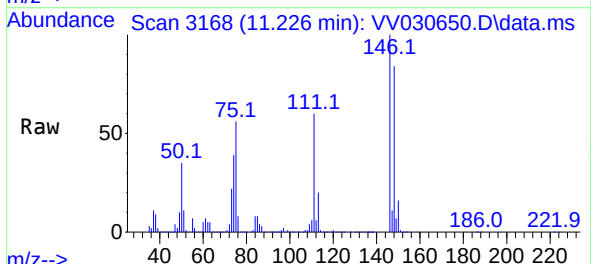
Tgt Ion:146 Resp: 379520
Ion Ratio Lower Upper
146 100
111 40.1 27.0 50.2
148 64.8 44.8 83.2

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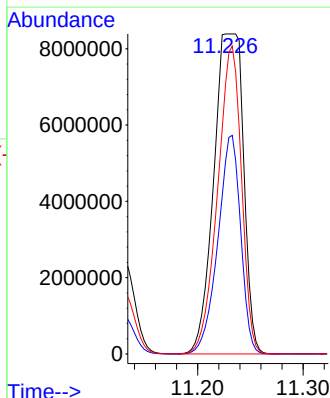
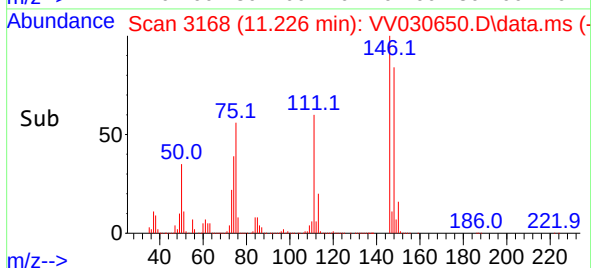
Reviewed By :John Carlone 04/19/2023
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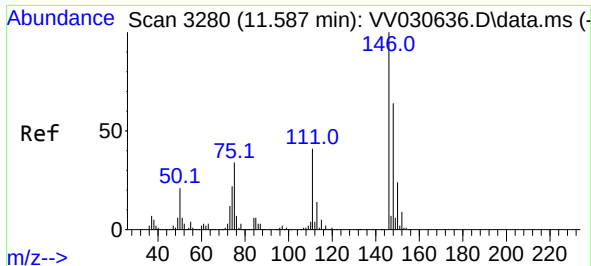


#65
1,4-Dichlorobenzene
Concen: 2972.036 ug/L m
RT: 11.226 min Scan# 3168
Delta R.T. 0.010 min
Lab File: VV030650.D
Acq: 19 Apr 2023 04:38



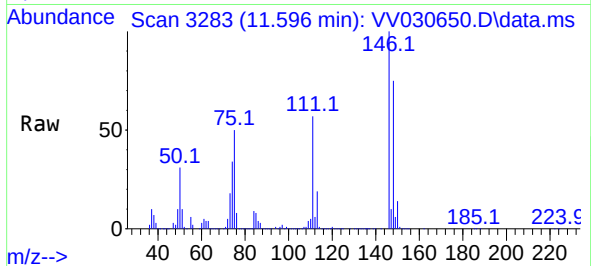
Tgt Ion:146 Resp:16459502
Ion Ratio Lower Upper
146 100
111 60.2 26.5 49.1#
148 84.3 44.7 83.1#





#67
1,2-Dichlorobenzene
Concen: 3475.955 ug/L m
RT: 11.596 min Scan# 31
Delta R.T. 0.010 min
Lab File: VV030650.D
Acq: 19 Apr 2023 04:38

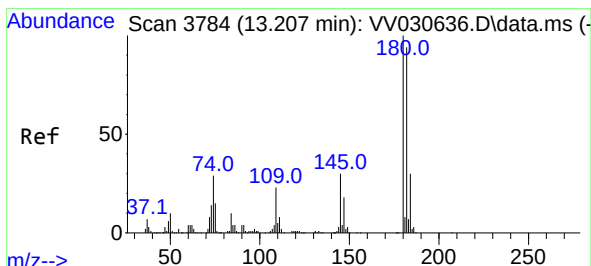
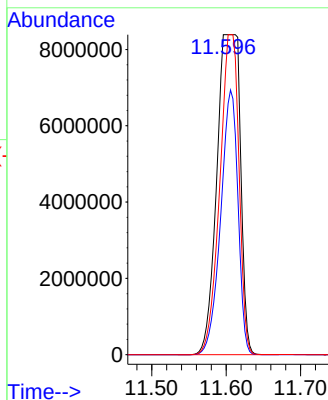
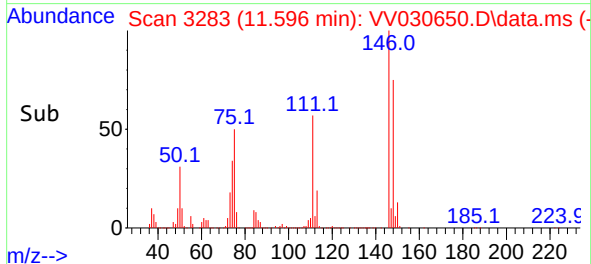
Instrument :
MSVOA_V
ClientSampleId :
COMN7



Tgt Ion:146 Resp:1841666
Ion Ratio Lower Upper
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111 57.0 32.0 48.0
148 74.9 50.6 76.0

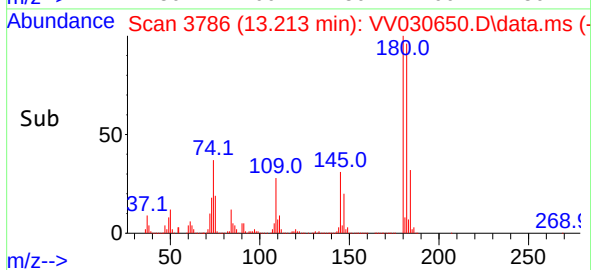
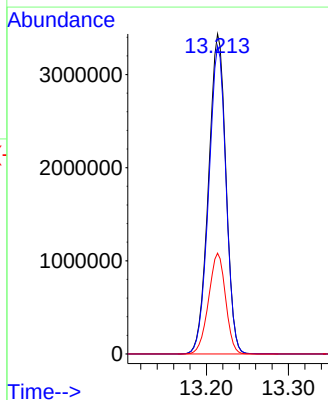
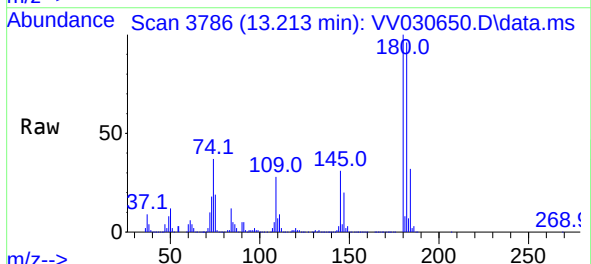
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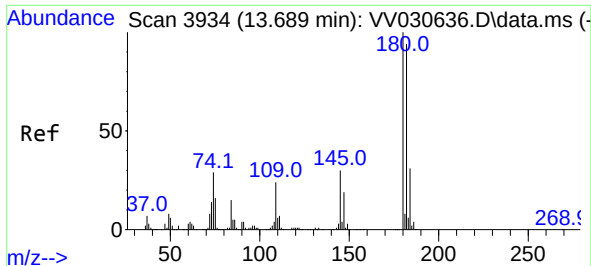
Reviewed By :John Carlone 04/19/2023
Supervised By :Mahesh Dadoda 04/20/2023



#70
1,2,4-trichlorobenzene
Concen: 1501.374 ug/L
RT: 13.213 min Scan# 3786
Delta R.T. 0.006 min
Lab File: VV030650.D
Acq: 19 Apr 2023 04:38

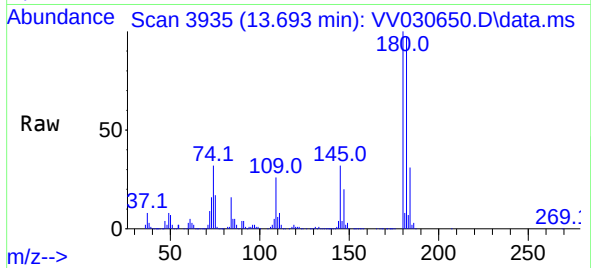
Tgt Ion:180 Resp: 5057373
Ion Ratio Lower Upper
180 100
182 95.7 75.9 113.9
145 30.8 23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 509.108 ug/L
 RT: 13.693 min Scan# 3935
 Delta R.T. 0.003 min
 Lab File: VV030650.D
 Acq: 19 Apr 2023 04:38

Instrument :
 MSVOA_V
 ClientSampleId :
 COMN7



Tgt Ion:180 Resp: 1700520

Ion	Ratio	Lower	Upper
180	100		
182	96.5	76.2	114.4
145	31.7	25.1	37.7

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