

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041823\
 Data File : VW030652.D
 Acq On : 19 Apr 2023 05:26
 Operator : SY/MD
 Sample : 02398-12
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP3

Manual Integrations
 APPROVED

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

Quant Time: Apr 19 06:04:56 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	323116	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	293155	50.000	ug/L	# 0.06
58) 1,4-Dichlorobenzene-d4	11.242	152	245481	50.000	ug/L	# 0.05
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	74747	31.556	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	63.120%		
7) Chloroethane-d5	1.535	69	63660	32.071	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	64.140%#		
11) 1,1-Dichloroethene-d2	2.063	65	35200	31.336	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	62.680%		
21) 2-Butanone-d5	3.799	46	132220m	101.628	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	101.630%		
24) Chloroform-d	4.262	84	232365	54.131	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	108.260%		
26) 1,2-Dichloroethane-d4	5.040	65	173669m	62.928	ug/L	0.09
Spiked Amount 50.000	Range 70 - 125		Recovery =	125.860%#		
32) Benzene-d6	5.018	84	341680m	49.297	ug/L	0.05
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.600%		
36) 1,2-Dichloropropane-d6	6.001	67	98951	45.961	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.920%		
41) Toluene-d8	7.259	98	264560	40.654	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	81.300%		
43) trans-1,3-Dichloroprop...	7.564	79	46544	42.893	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.780%		
47) 2-Hexanone-d5	8.040	63	86412m	101.885	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.890%		
56) 1,1,2,2-Tetrachloroeth...	10.169	84	160104	51.249	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	102.500%		
66) 1,2-Dichlorobenzene-d4	11.622	152	178658	45.788	ug/L	0.05
Spiked Amount 50.000	Range 80 - 120		Recovery =	91.580%		
Target Compounds						
13) Acetone	2.117	43	265355	131.807	ug/L	98
14) Carbon disulfide	2.249	76	7153	1.119	ug/L	96
16) Methylene chloride	2.455	84	109569	42.319	ug/L	96
22) 2-Butanone	3.899	43	18661m	8.970	ug/L	
25) Chloroform	4.285	83	1625174	337.178	ug/L	99
29) Cyclohexane	4.600	56	35064	9.967	ug/L	98
31) Carbon tetrachloride	4.754	117	100566	27.306	ug/L	98
33) Benzene	5.011	78	65708249m	7381.145	ug/L	
34) Trichloroethene	5.850	95	5339	2.306	ug/L	96
35) Methylcyclohexane	6.056	83	5873	1.619	ug/L	# 81
42) Toluene	7.333	91	55915	5.864	ug/L	98
46) Tetrachloroethene	7.918	164	2286m	1.128	ug/L	
51) Chlorobenzene	8.825	112	85563471m	13549.297	ug/L	
64) 1,3-Dichlorobenzene	11.146	146	8973561	1170.744	ug/L	97
65) 1,4-Dichlorobenzene	11.226	146	48207656m	5964.435	ug/L	
67) 1,2-Dichlorobenzene	11.603	146	47094777m	6090.483	ug/L	
70) 1,2,4-trichlorobenzene	13.217	180	5458970	1110.428	ug/L	99
72) 1,2,3-Trichlorobenzene	13.692	180	1160677	238.097	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

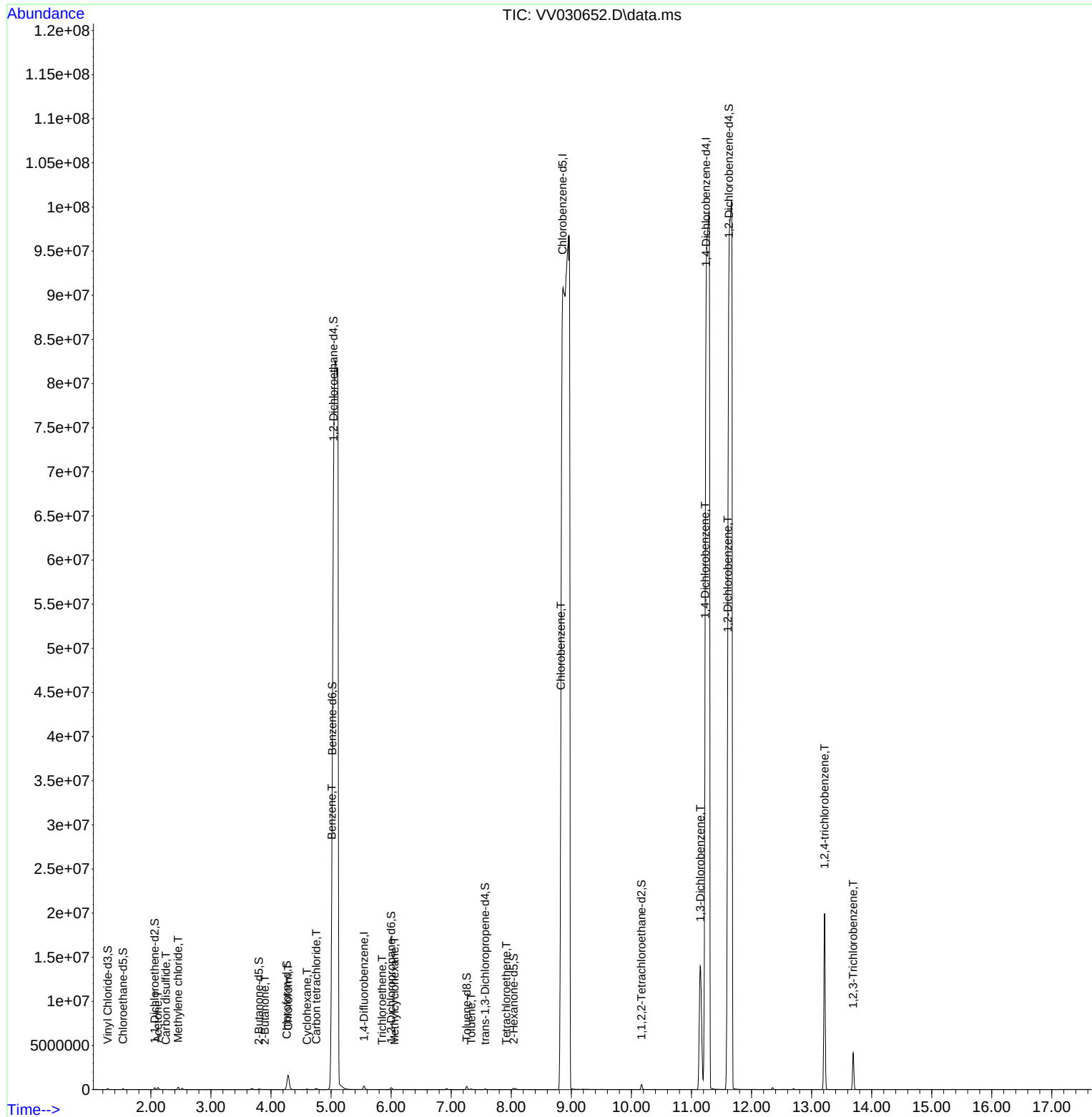
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041823\
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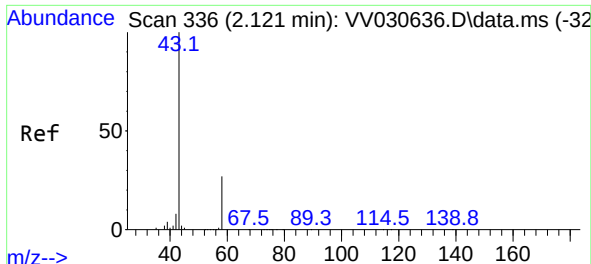
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#13

Acetone

Concen: 131.807 ug/L

RT: 2.117 min Scan# 31

Delta R.T. -0.013 min

Lab File: VV030652.D

Acq: 19 Apr 2023 05:26

Instrument :

MSVOA_V

ClientSampleId :

COMP3

Tgt Ion: 43 Resp: 26535

Ion Ratio Lower Upper

43 100

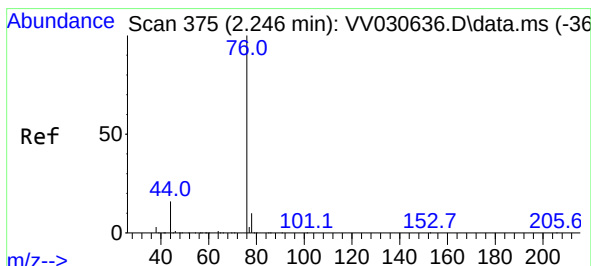
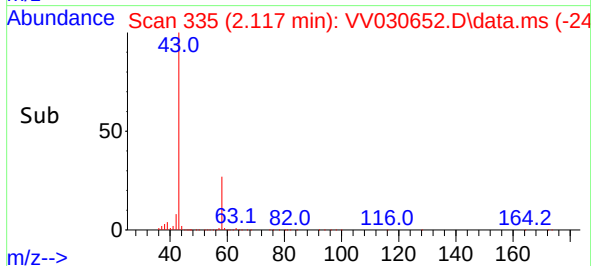
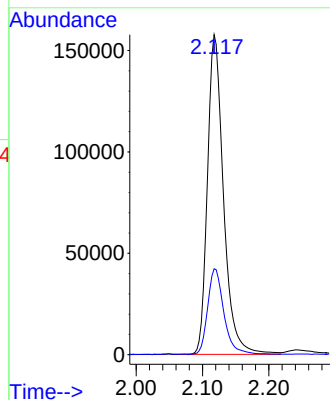
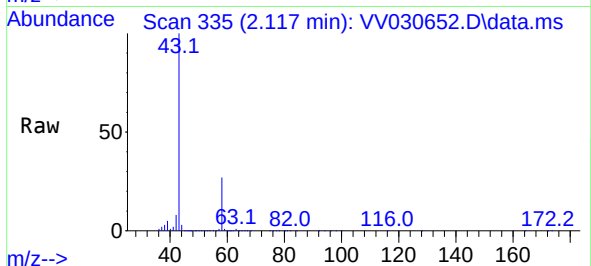
58 27.5 0.0 52.8

Manual Integrations

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#14

Carbon disulfide

Concen: 1.119 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV030652.D

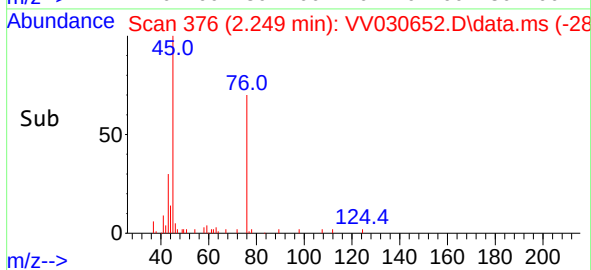
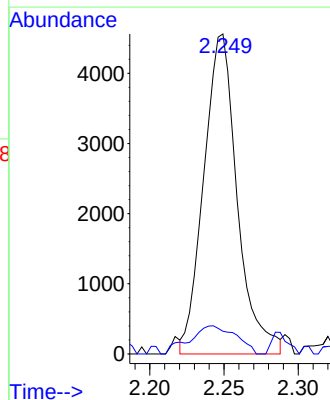
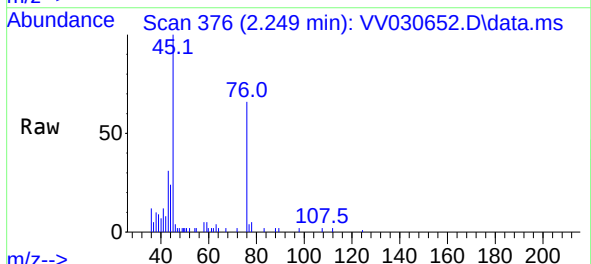
Acq: 19 Apr 2023 05:26

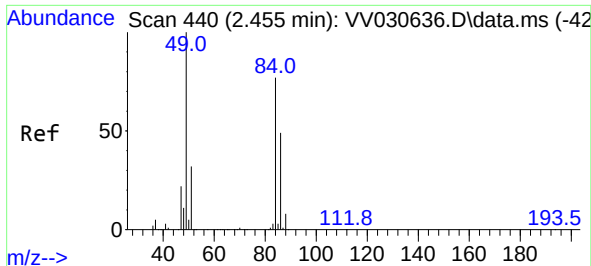
Tgt Ion: 76 Resp: 7153

Ion Ratio Lower Upper

76 100

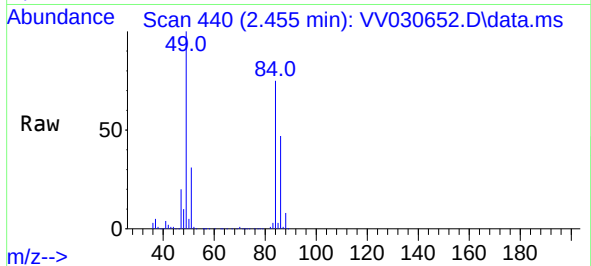
78 7.1 7.0 10.4





#16
Methylene chloride
Concen: 42.319 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

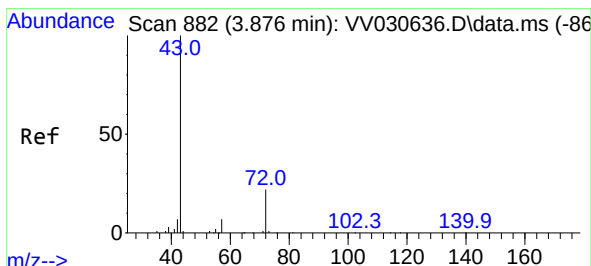
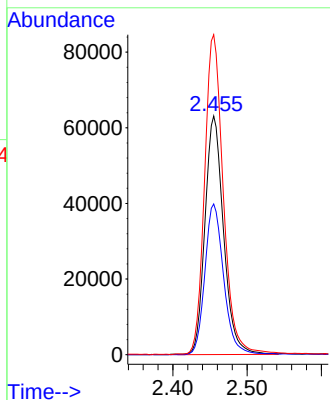
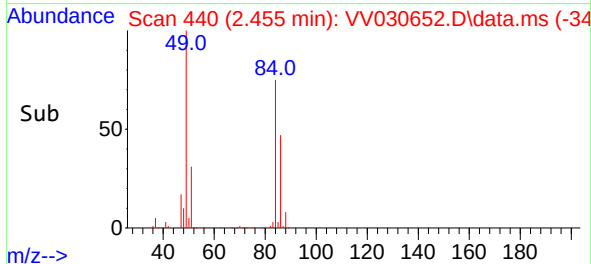
Instrument :
MSVOA_V
ClientSampleId :
COMP3



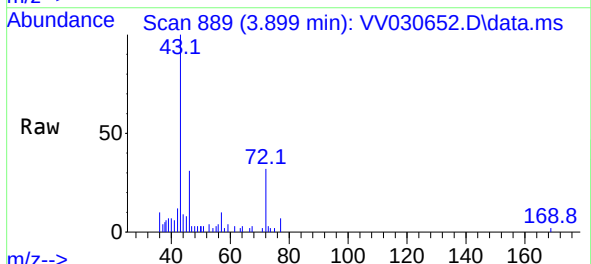
Tgt Ion: 84 Resp: 109569
Ion Ratio Lower Upper
84 100
86 63.1 45.4 84.2
49 134.1 90.4 168.0

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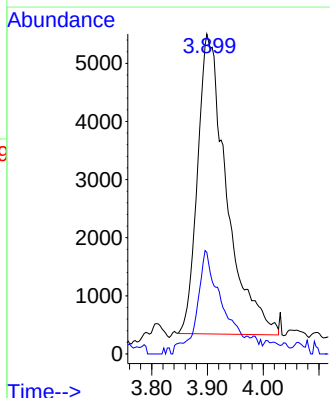
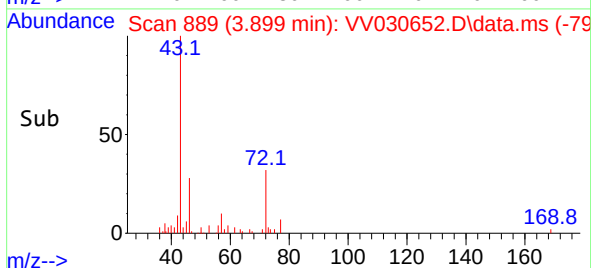
Reviewed By :John Carlone 04/19/2023
Supervised By :Mahesh Dadoda 04/20/2023

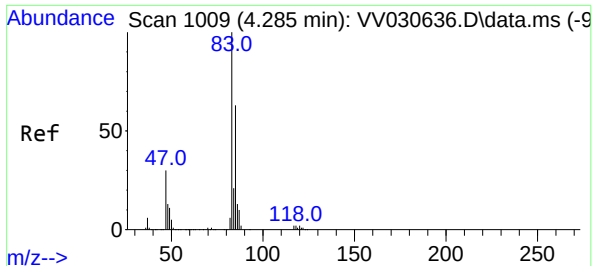


#22
2-Butanone
Concen: 8.970 ug/L m
RT: 3.899 min Scan# 889
Delta R.T. 0.016 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26



Tgt Ion: 43 Resp: 18661
Ion Ratio Lower Upper
43 100
72 23.8 11.5 34.4





#25

Chloroform

Concen: 337.178 ug/L

RT: 4.285 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VV030652.D

Acq: 19 Apr 2023 05:26

Instrument :

MSVOA_V

ClientSampleId :

COMP3

Tgt Ion: 83 Resp: 1625174

Ion Ratio Lower Upper

83 100

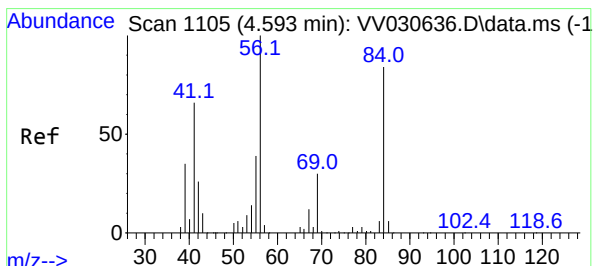
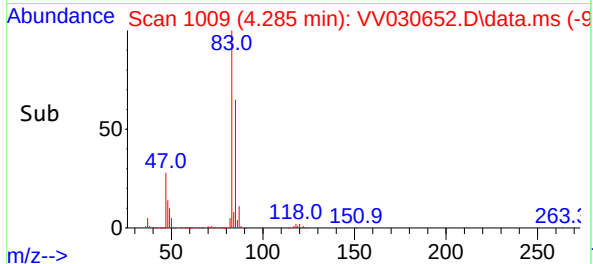
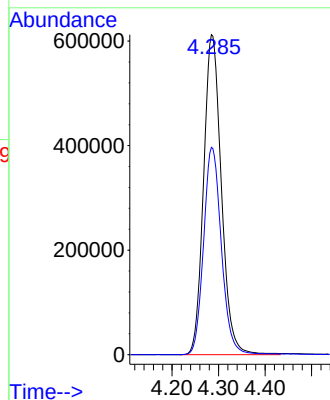
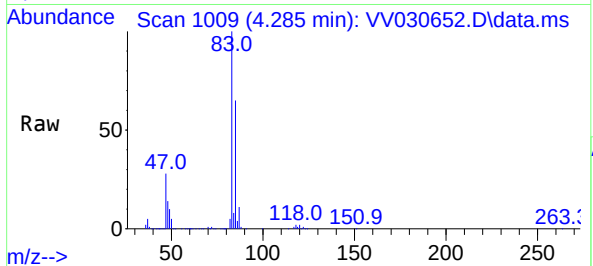
85 64.8 45.8 85.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 04/19/2023

Supervised By :Mahesh Dadoda 04/20/2023



#29

Cyclohexane

Concen: 9.967 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VV030652.D

Acq: 19 Apr 2023 05:26

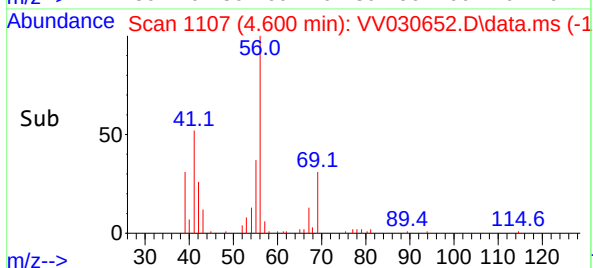
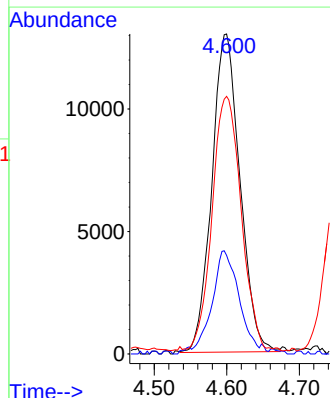
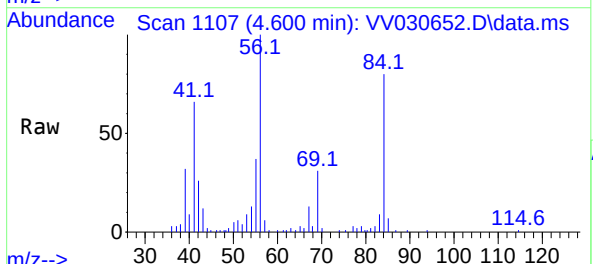
Tgt Ion: 56 Resp: 35064

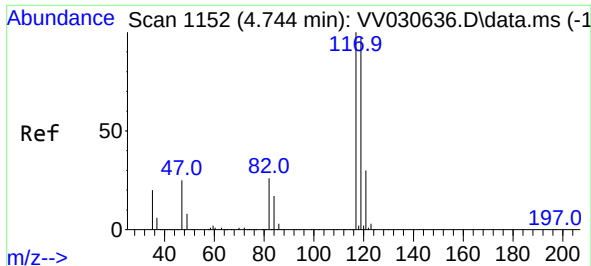
Ion Ratio Lower Upper

56 100

69 30.8 24.0 36.0

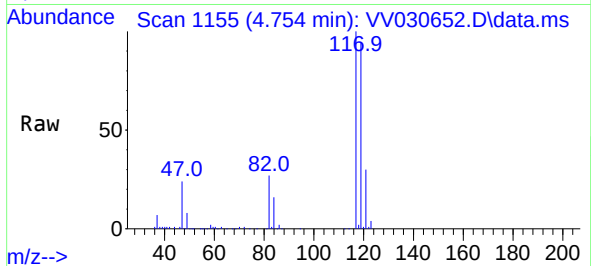
84 83.8 68.2 102.2





#31
Carbon tetrachloride
Concen: 27.306 ug/L
RT: 4.754 min Scan# 1155
Delta R.T. 0.010 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

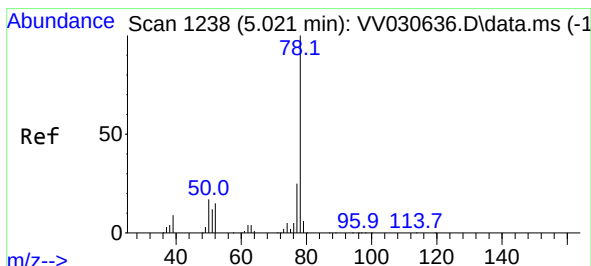
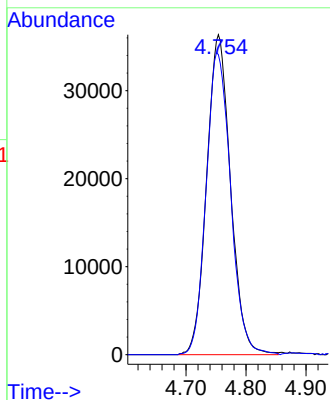
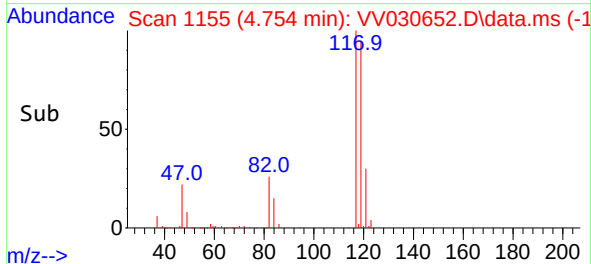
Instrument :
MSVOA_V
ClientSampleId :
COMP3



Tgt Ion:117 Resp: 100560
Ion Ratio Lower Upper
117 100
119 96.7 75.9 113.9

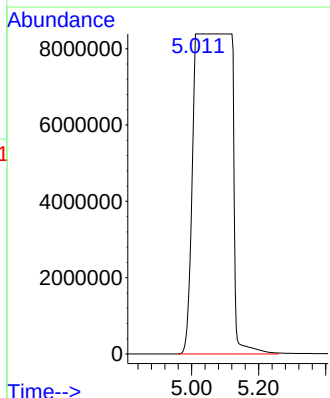
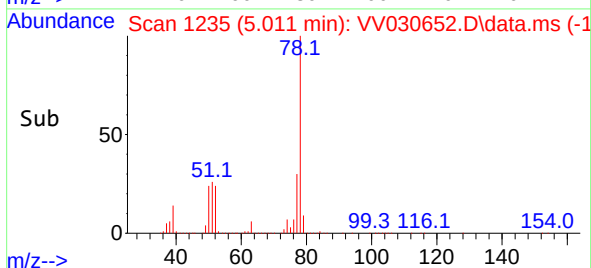
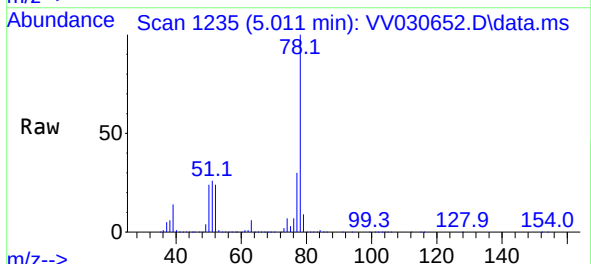
Manual Integrations
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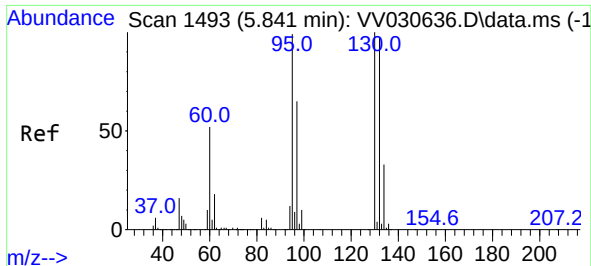
Reviewed By :John Carlone 04/19/2023
Supervised By :Mahesh Dadoda 04/20/2023



#33
Benzene
Concen: 7381.145 ug/L m
RT: 5.011 min Scan# 1235
Delta R.T. -0.007 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

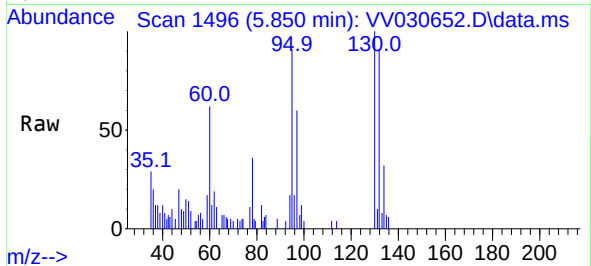
Tgt Ion: 78 Resp:65708249





#34
Trichloroethene
Concen: 2.306 ug/L
RT: 5.850 min Scan# 1493
Delta R.T. 0.010 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

Instrument :
MSVOA_V
ClientSampleId :
COMP3

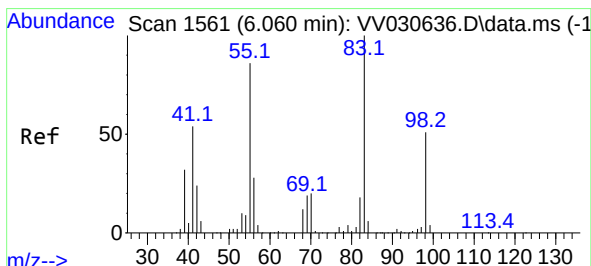
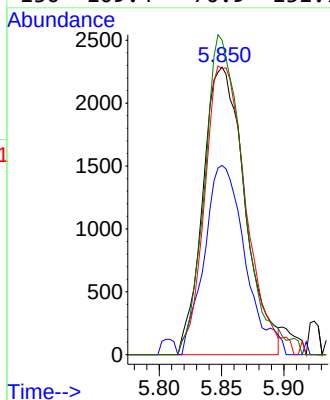
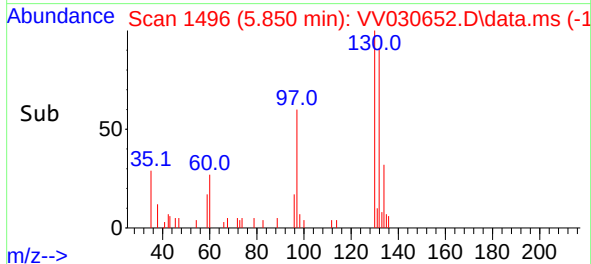


Tgt Ion: 95 Resp: 5339

Ion	Ratio	Lower	Upper
95	100		
97	65.8	45.8	85.2
132	99.5	70.6	131.2
130	109.4	70.9	131.7

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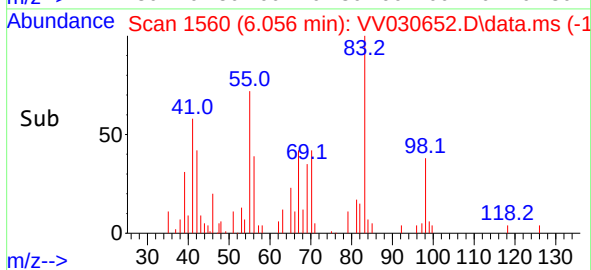
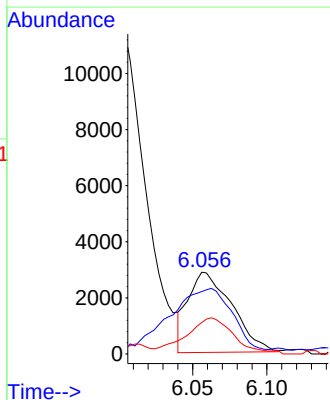
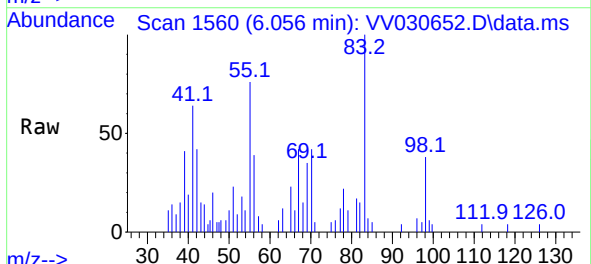
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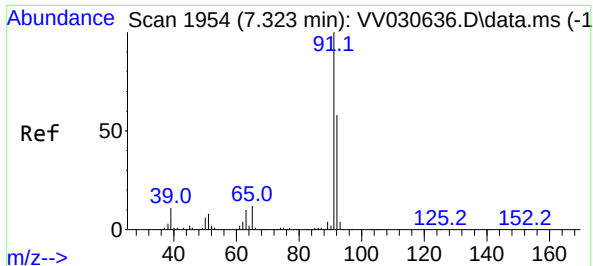


#35
Methylcyclohexane
Concen: 1.619 ug/L
RT: 6.056 min Scan# 1560
Delta R.T. -0.003 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

Tgt Ion: 83 Resp: 5873

Ion	Ratio	Lower	Upper
83	100		
55	108.7	65.5	98.3#
98	48.4	38.7	58.1





#42

Toluene

Concen: 5.864 ug/L

RT: 7.333 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VV030652.D

Acq: 19 Apr 2023 05:26

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ClientSampleId :

COMP3

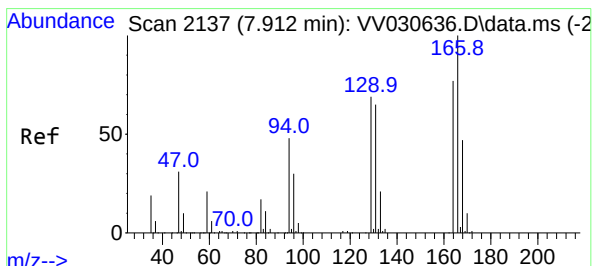
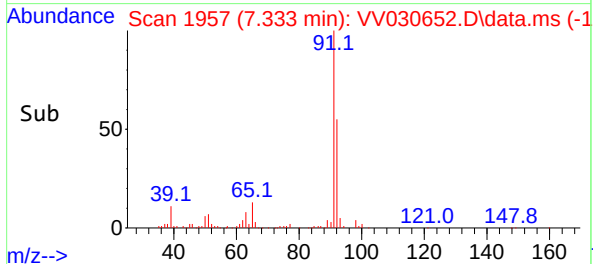
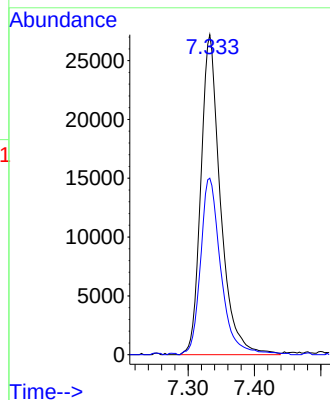
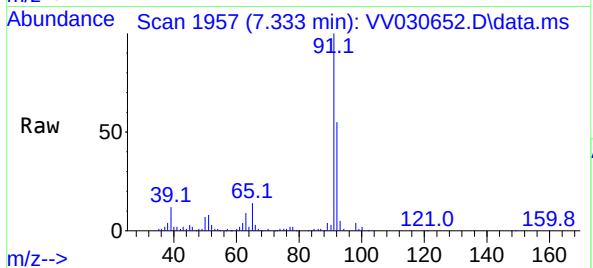
Tgt Ion: 91 Resp: 5591
 Ion Ratio Lower Upper
 91 100
 92 55.2 39.8 73.8

Manual Integrations

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#46

Tetrachloroethene

Concen: 1.128 ug/L m

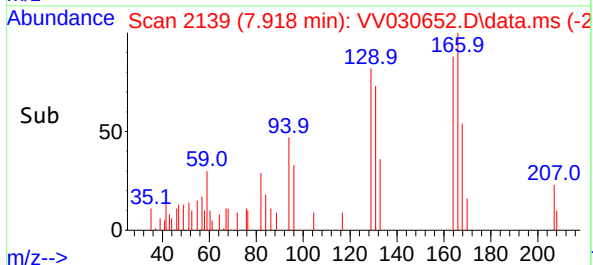
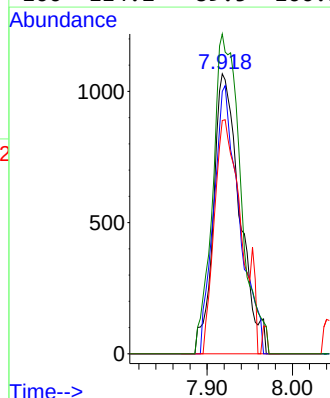
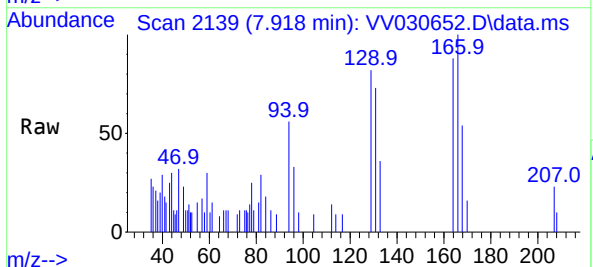
RT: 7.918 min Scan# 2139

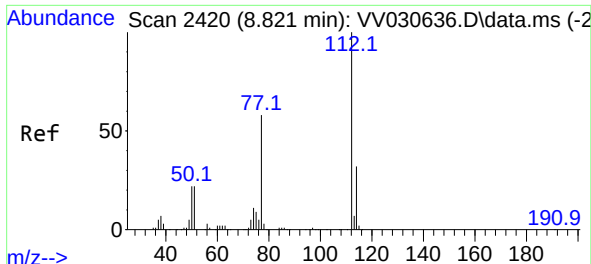
Delta R.T. 0.006 min

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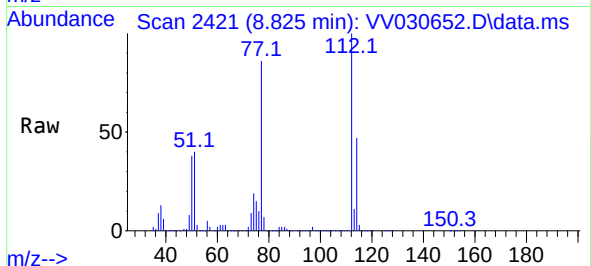
Tgt Ion:164 Resp: 2286
 Ion Ratio Lower Upper
 164 100
 129 93.7 63.8 118.6
 131 83.3 60.3 111.9
 166 114.2 89.5 166.1





#51
Chlorobenzene
Concen: 13549.297 ug/L m
RT: 8.825 min Scan# 2420
Delta R.T. 0.003 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

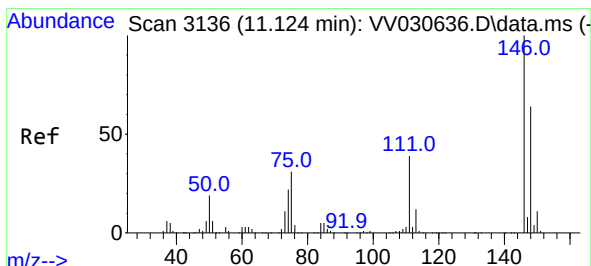
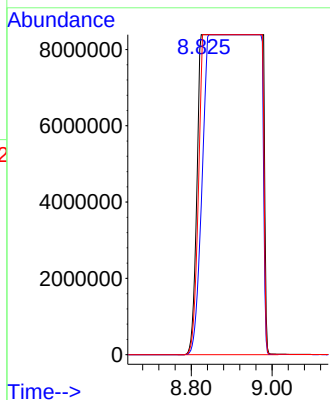
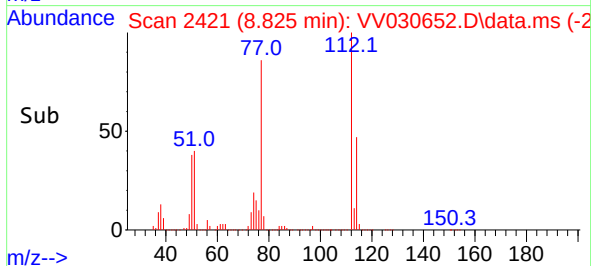
Instrument :
MSVOA_V
ClientSampleId :
COMP3



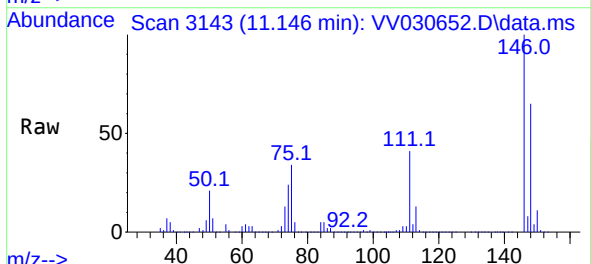
Tgt Ion:112 Resp:8556347
Ion Ratio Lower Upper
112 100
114 46.5 22.4 41.6
77 86.3 47.4 71.0

Manual Integrations
APPROVED

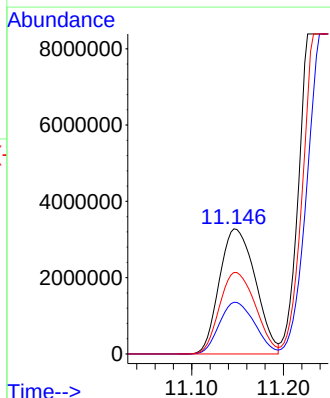
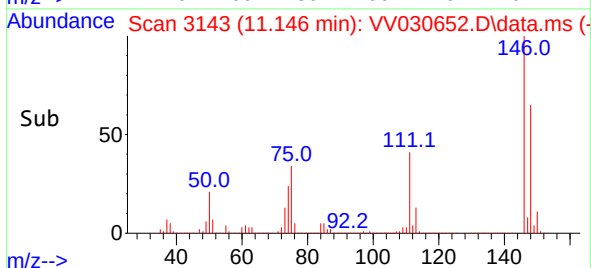
Reviewed By :John Carlone 04/19/2023
Supervised By :Mahesh Dadoda 04/20/2023

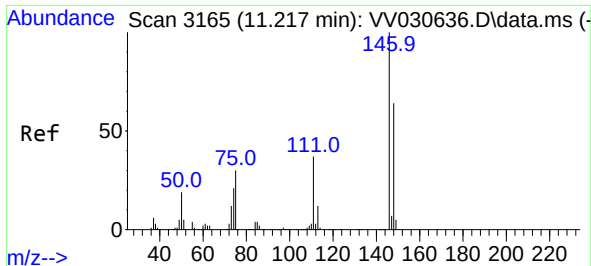


#64
1,3-Dichlorobenzene
Concen: 1170.744 ug/L
RT: 11.146 min Scan# 3143
Delta R.T. 0.022 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26



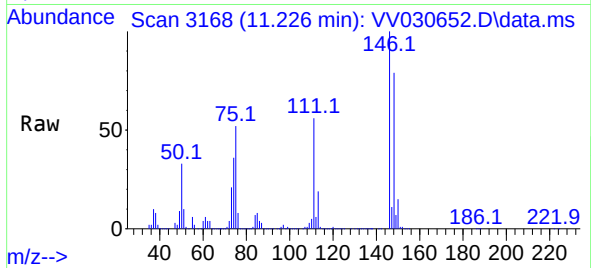
Tgt Ion:146 Resp: 8973561
Ion Ratio Lower Upper
146 100
111 41.3 27.0 50.2
148 65.1 44.8 83.2





#65
1,4-Dichlorobenzene
Concen: 5964.435 ug/L m
RT: 11.226 min Scan# 3165
Delta R.T. 0.010 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

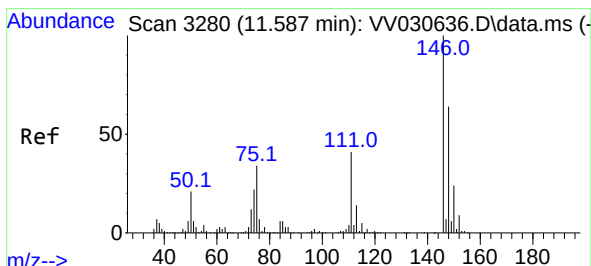
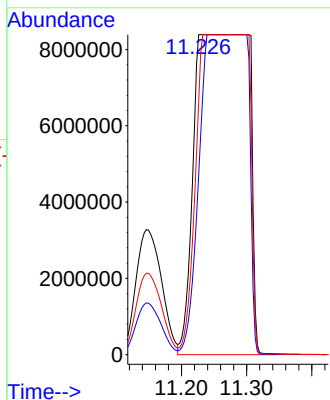
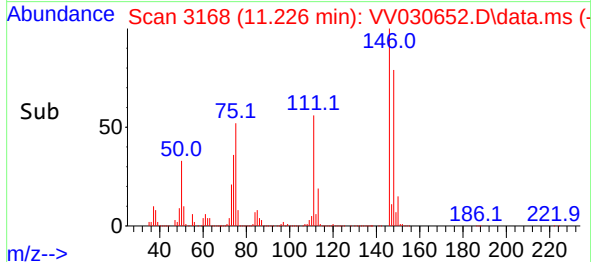
Instrument :
MSVOA_V
ClientSampleId :
COMP3



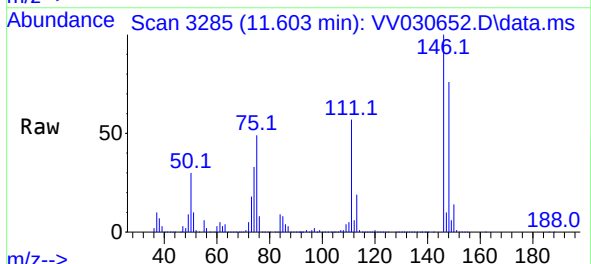
Tgt Ion:146 Resp:48207650
Ion Ratio Lower Upper
146 100
111 56.1 26.5 49.1
148 79.0 44.7 83.1

Manual Integrations
APPROVED

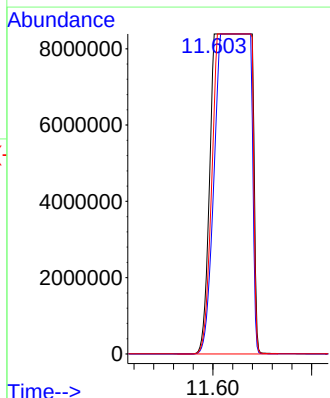
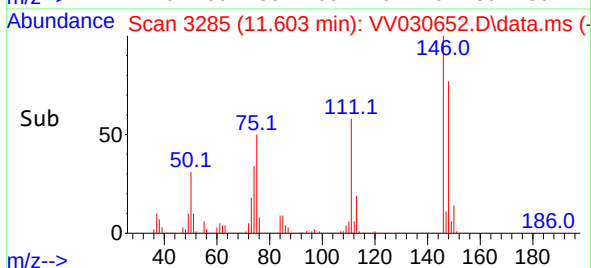
Reviewed By :John Carlone 04/19/2023
Supervised By :Mahesh Dadoda 04/20/2023

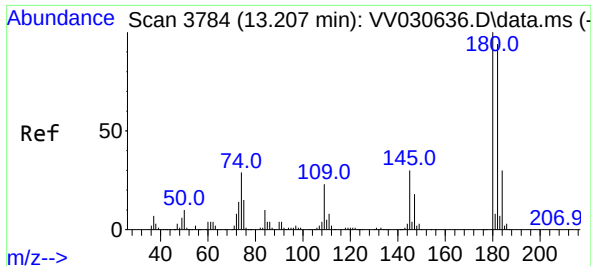


#67
1,2-Dichlorobenzene
Concen: 6090.483 ug/L m
RT: 11.603 min Scan# 3285
Delta R.T. 0.016 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26



Tgt Ion:146 Resp:47094777
Ion Ratio Lower Upper
146 100
111 57.2 32.0 48.0#
148 76.0 50.6 76.0#





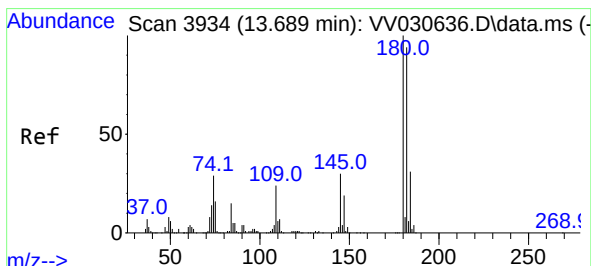
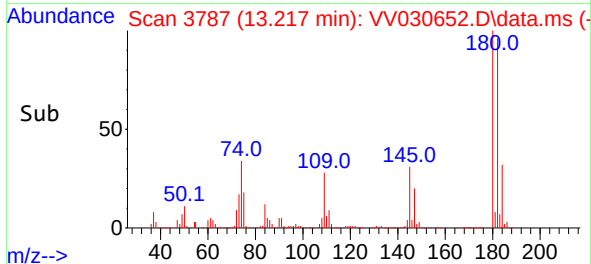
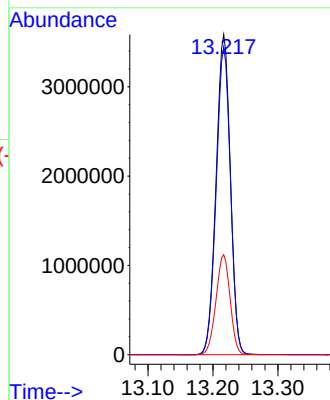
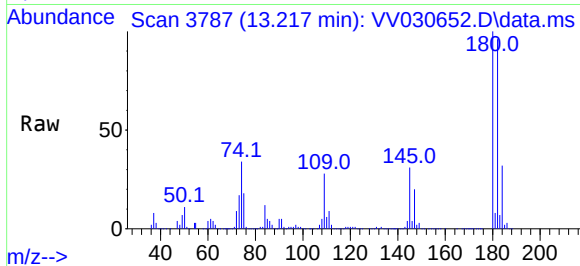
#70
1,2,4-trichlorobenzene
Concen: 1110.428 ug/L
RT: 13.217 min Scan# 31
Delta R.T. 0.010 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

Instrument :
MSVOA_V
ClientSampleId :
COMP3

Tgt Ion:180 Resp: 5458970
Ion Ratio Lower Upper
180 100
182 95.8 75.9 113.9
145 30.9 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: 238.097 ug/L
RT: 13.692 min Scan# 3935
Delta R.T. 0.003 min
Lab File: VV030652.D
Acq: 19 Apr 2023 05:26

Tgt Ion:180 Resp: 1160677
Ion Ratio Lower Upper
180 100
182 94.6 76.2 114.4
145 31.6 25.1 37.7

