

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041823\
 Data File : VW030653.D
 Acq On : 19 Apr 2023 05:50
 Operator : SY/MD
 Sample : 02360-18
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AQ1

Quant Time: Apr 19 06:22:57 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)

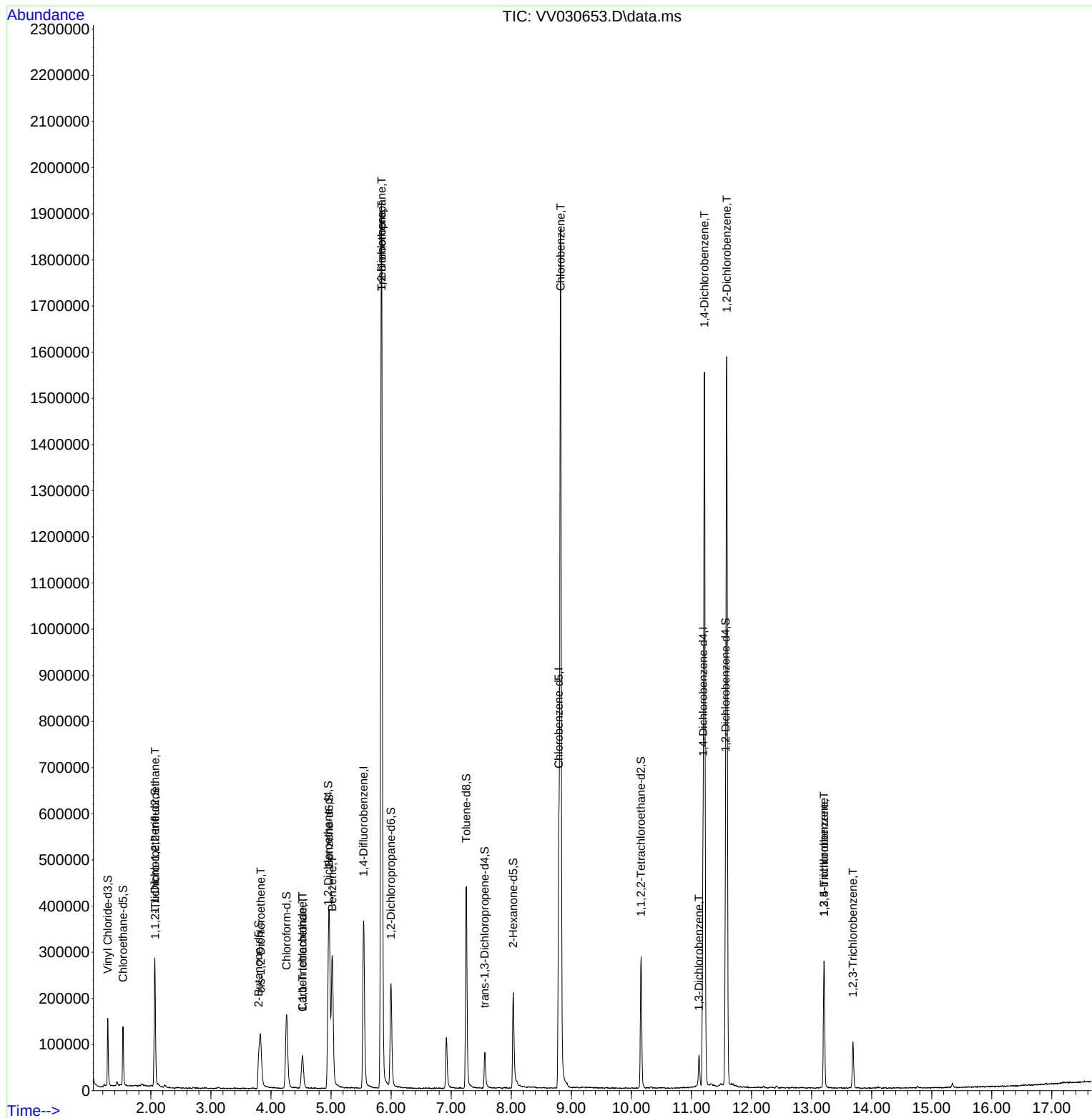
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	303383	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	277938	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	127455	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	99383	44.686	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.380%		
7) Chloroethane-d5	1.536	69	78557	42.150	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	84.300%		
11) 1,1-Dichloroethene-d2	2.066	65	44337	42.037	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	84.080%		
21) 2-Butanone-d5	3.796	46	112099	91.766	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.770%		
24) Chloroform-d	4.259	84	166805	41.386	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.780%		
26) 1,2-Dichloroethane-d4	4.953	65	114227	44.082	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.160%		
32) Benzene-d6	4.970	84	327025	49.766	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.540%		
36) 1,2-Dichloropropane-d6	5.995	67	102310	50.123	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.240%		
41) Toluene-d8	7.249	98	284771	46.156	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	92.320%		
43) trans-1,3-Dichloroprop...	7.558	79	44054	42.821	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.640%		
47) 2-Hexanone-d5	8.034	63	69061	85.885	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	85.890%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	128884	43.514	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	87.020%		
66) 1,2-Dichlorobenzene-d4	11.567	152	102792	50.740	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.480%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	3380	1.439	ug/L	# 72
20) cis-1,2-Dichloroethene	3.828	96	50506	21.650	ug/L	94
30) 1,1,1-Trichloroethane	4.523	97	58170	14.895	ug/L	99
31) Carbon tetrachloride	4.526	117	7601	2.177	ug/L	97
33) Benzene	5.021	78	286867	33.989	ug/L	100
34) Trichloroethene	5.841	95	661355	301.252	ug/L	97
37) 1,2-Dichloropropane	5.841	63	2397	1.055	ug/L	98
51) Chlorobenzene	8.821	112	928131	155.020	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	27208	6.837	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	578683	137.897	ug/L	100
67) 1,2-Dichlorobenzene	11.587	146	561328	139.816	ug/L	99
69) 1,3,5-Trichlorobenzene	13.207	180	81136	26.989	ug/L	99
70) 1,2,4-trichlorobenzene	13.207	180	81136	31.787	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	30147	11.911	ug/L	96

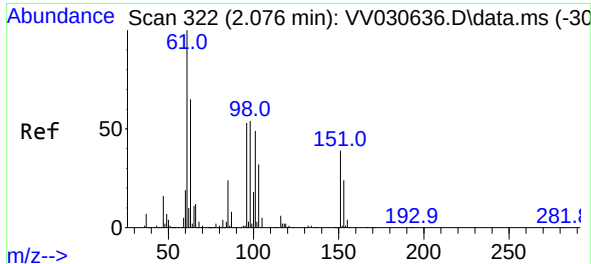
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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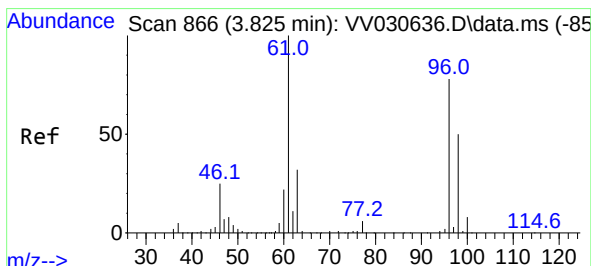
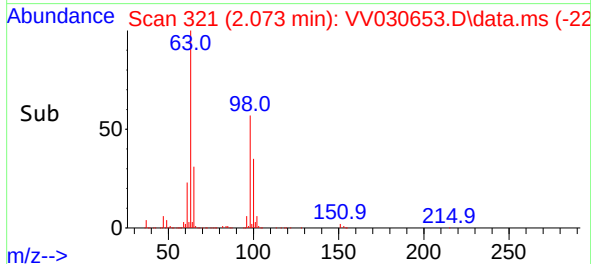
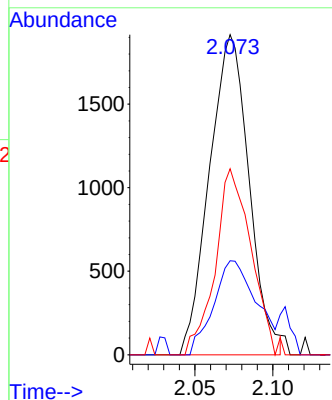
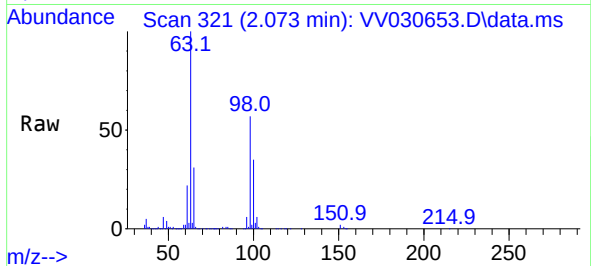




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.439 ug/L
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV030653.D
Acq: 19 Apr 2023 05:50

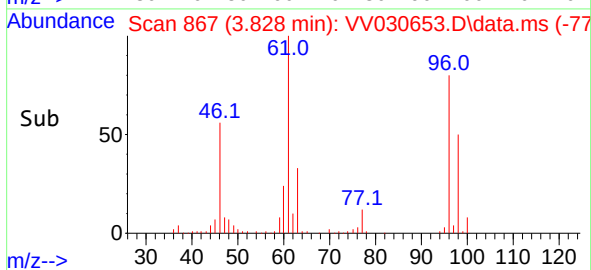
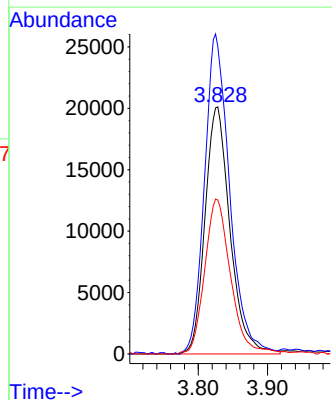
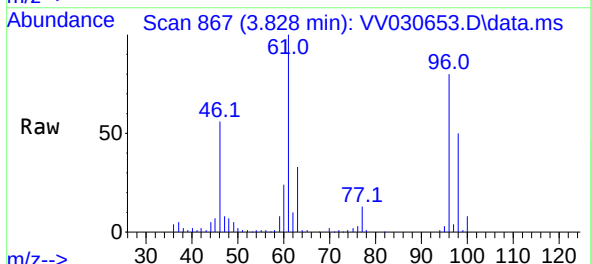
Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

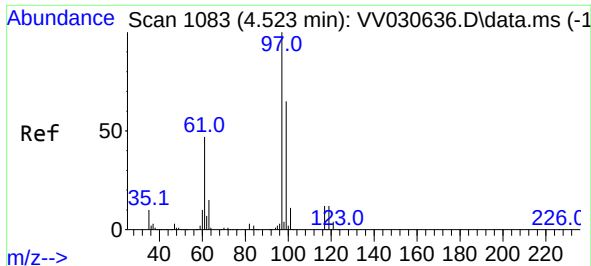
Tgt Ion:101 Resp: 3380
Ion Ratio Lower Upper
101 100
85 32.0 37.5 56.3#
151 52.3 63.5 95.3#



#20
cis-1,2-Dichloroethene
Concen: 21.650 ug/L
RT: 3.828 min Scan# 867
Delta R.T. 0.006 min
Lab File: VV030653.D
Acq: 19 Apr 2023 05:50

Tgt Ion: 96 Resp: 50506
Ion Ratio Lower Upper
96 100
61 124.5 92.3 171.3
98 62.3 45.9 85.3





#30

1,1,1-Trichloroethane

Concen: 14.895 ug/L

RT: 4.523 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV030653.D

Acq: 19 Apr 2023 05:50

Instrument :

MSVOA_V

ClientSampleId :

C0AQ1

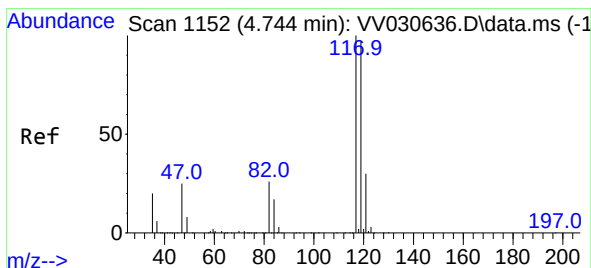
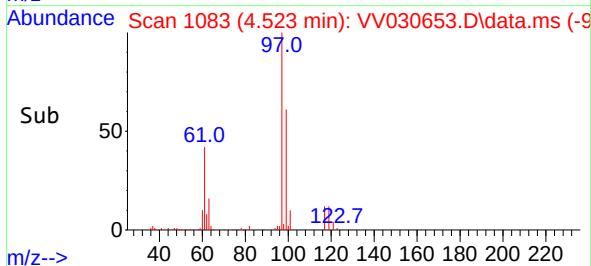
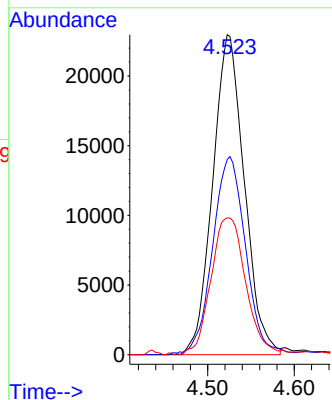
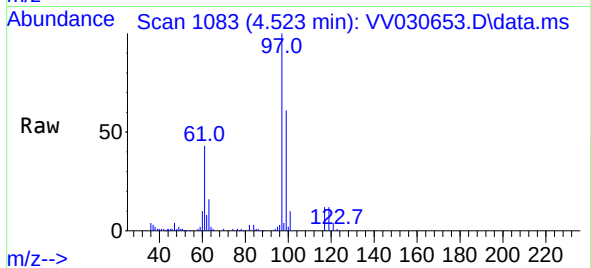
Tgt Ion: 97 Resp: 58170

Ion Ratio Lower Upper

97 100

99 63.8 51.4 77.0

61 46.9 37.0 55.6



#31

Carbon tetrachloride

Concen: 2.177 ug/L

RT: 4.526 min Scan# 1084

Delta R.T. -0.219 min

Lab File: VV030653.D

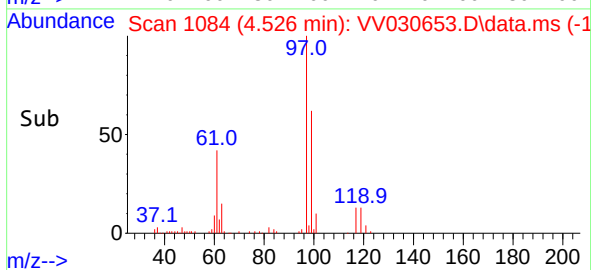
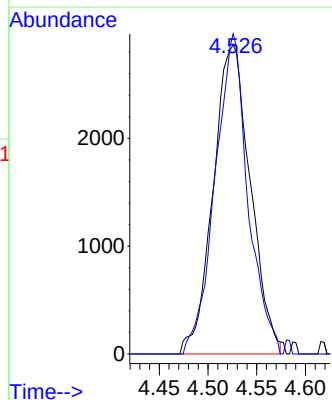
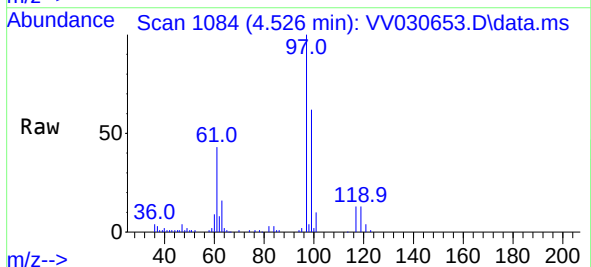
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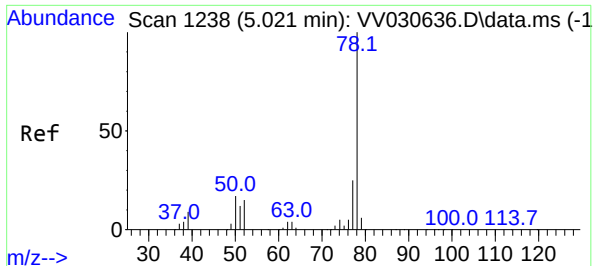
Tgt Ion: 117 Resp: 7601

Ion Ratio Lower Upper

117 100

119 91.7 75.9 113.9

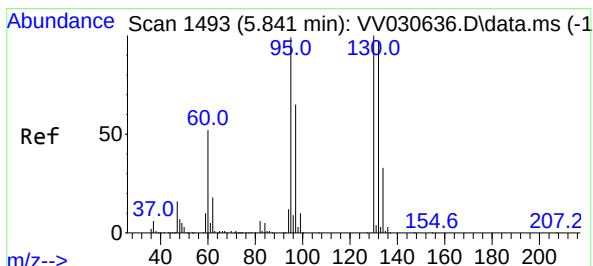
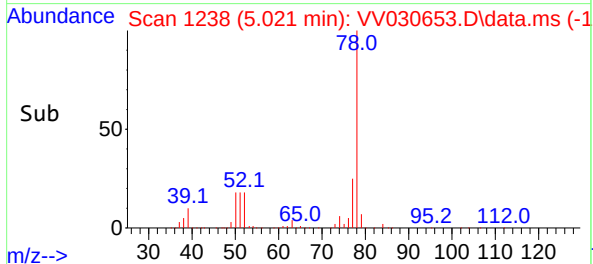
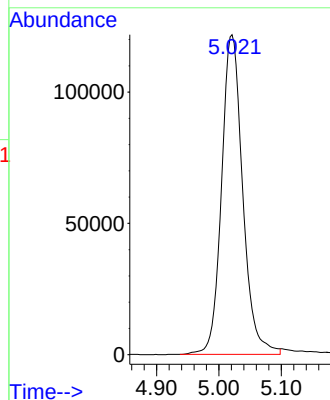
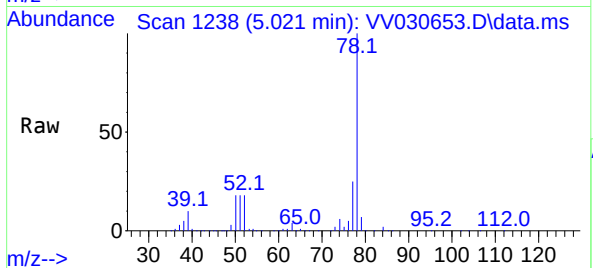




#33
Benzene
Concen: 33.989 ug/L
RT: 5.021 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV030653.D
Acq: 19 Apr 2023 05:50

Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

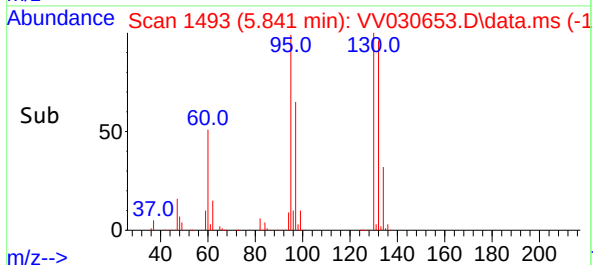
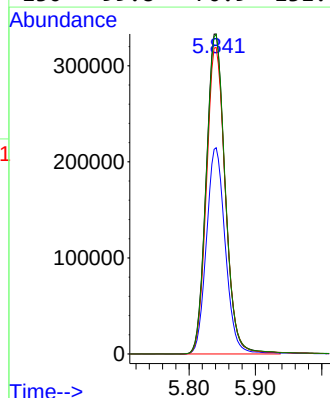
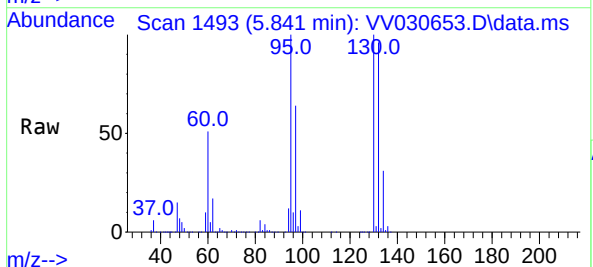
Tgt Ion: 78 Resp: 286867

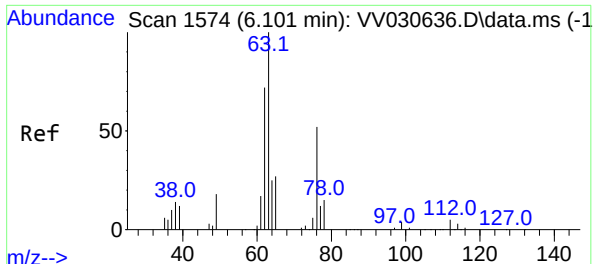


#34
Trichloroethene
Concen: 301.252 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030653.D
Acq: 19 Apr 2023 05:50

Tgt Ion: 95 Resp: 661355

Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.8	85.2
132	95.7	70.6	131.2
130	99.8	70.9	131.7

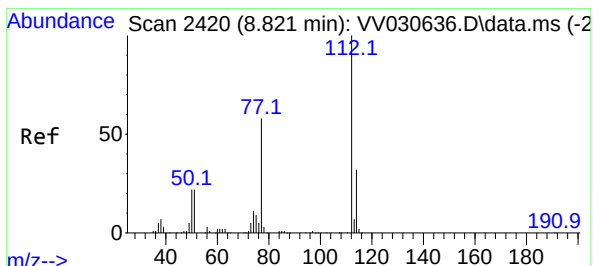
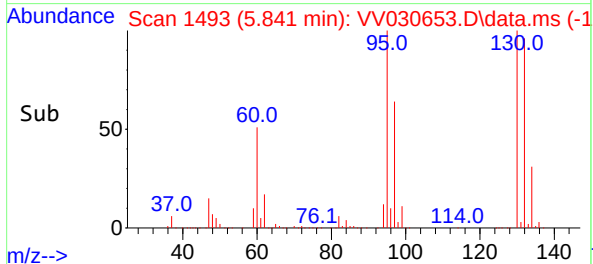
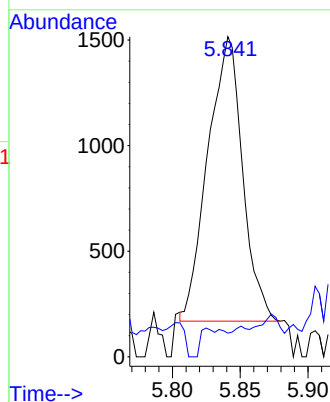
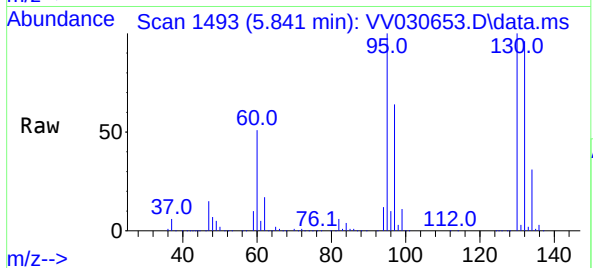




#37
1,2-Dichloropropane
Concen: 1.055 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.257 min
Lab File: VV030653.D
Acq: 19 Apr 2023 05:50

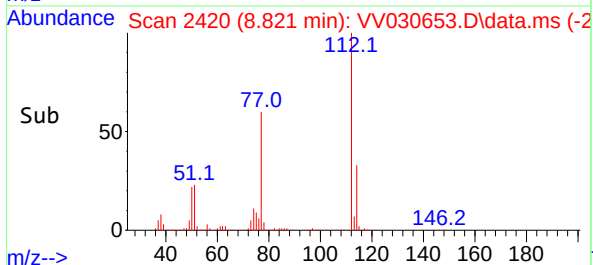
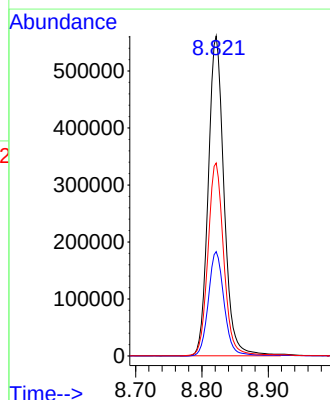
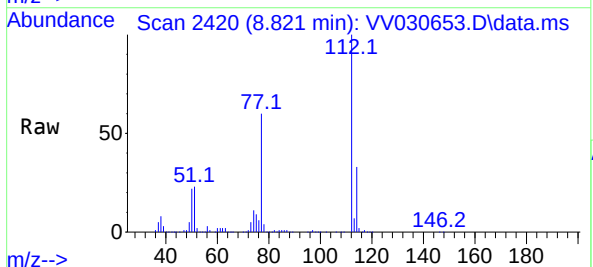
Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

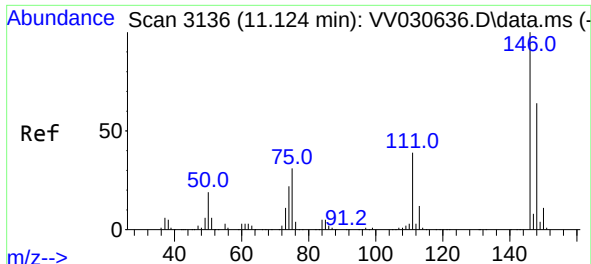
Tgt Ion: 63 Resp: 2397
Ion Ratio Lower Upper
63 100
112 5.3 3.8 5.8



#51
Chlorobenzene
Concen: 155.020 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. 0.000 min
Lab File: VV030653.D
Acq: 19 Apr 2023 05:50

Tgt Ion: 112 Resp: 928131
Ion Ratio Lower Upper
112 100
114 32.6 22.4 41.6
77 60.3 47.4 71.0

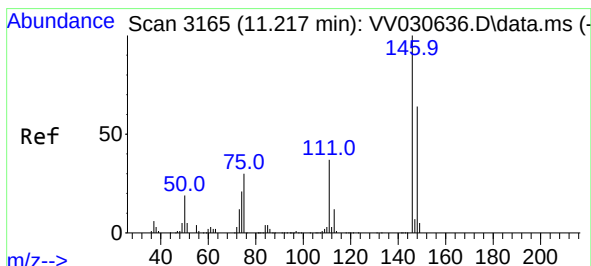
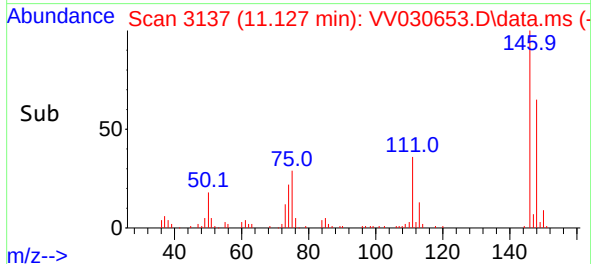
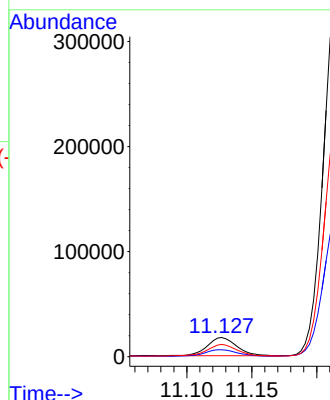
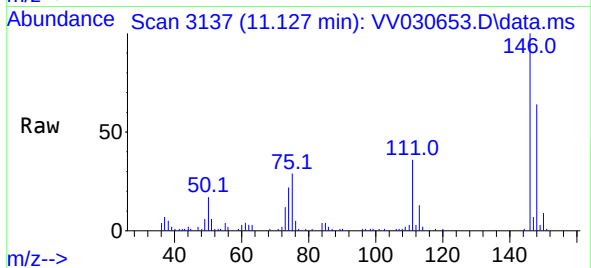




#64
1,3-Dichlorobenzene
Concen: 6.837 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV030653.D
Acq: 19 Apr 2023 05:50

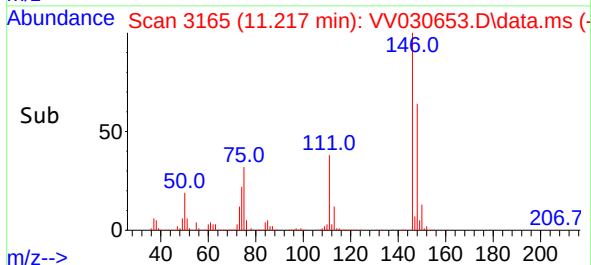
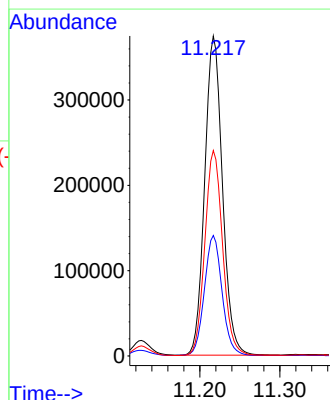
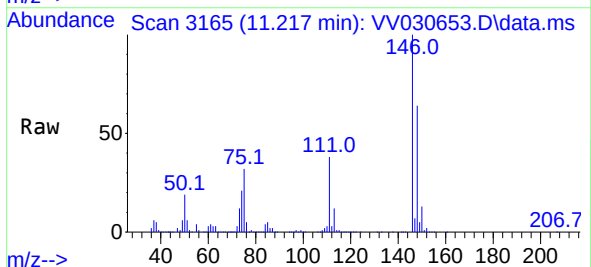
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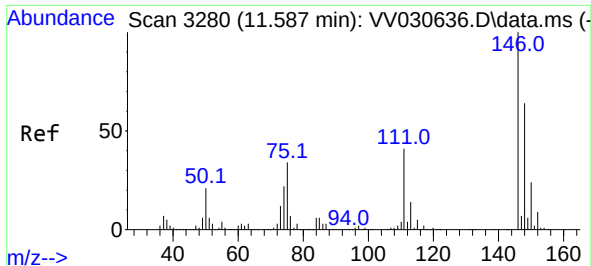
Tgt Ion:146 Resp: 27208
Ion Ratio Lower Upper
146 100
111 36.3 27.0 50.2
148 64.3 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 137.897 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030653.D
Acq: 19 Apr 2023 05:50

Tgt Ion:146 Resp: 578683
Ion Ratio Lower Upper
146 100
111 37.7 26.5 49.1
148 64.2 44.7 83.1

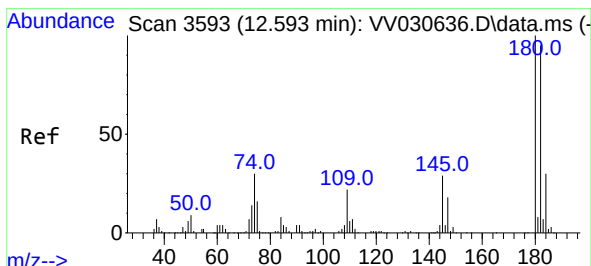
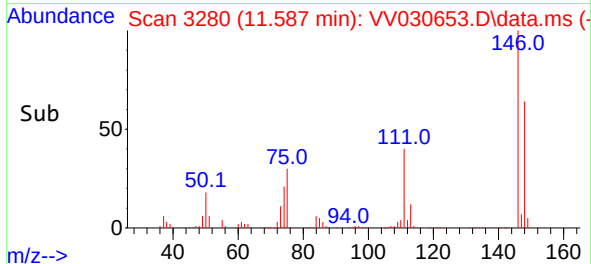
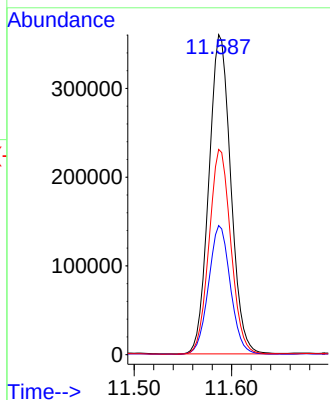
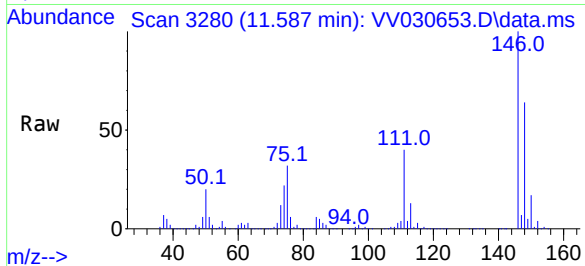




#67
1,2-Dichlorobenzene
Concen: 139.816 ug/L
RT: 11.587 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV030653.D
Acq: 19 Apr 2023 05:50

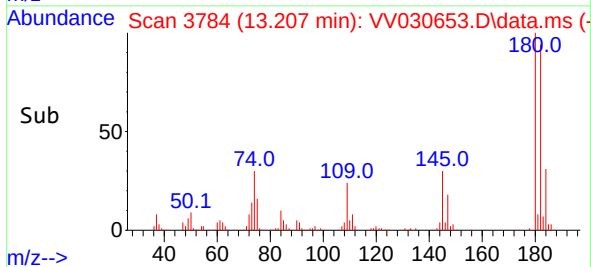
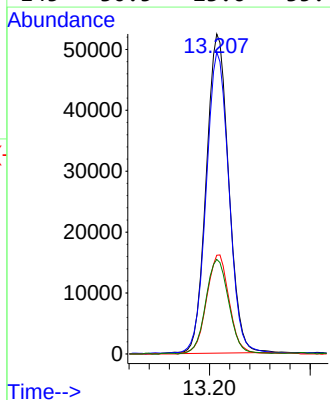
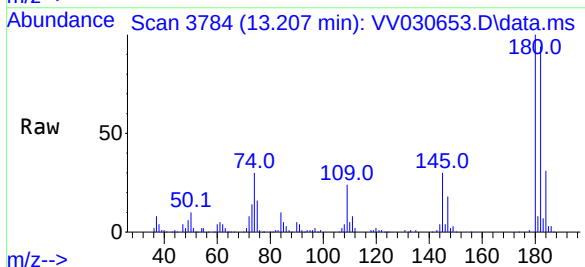
Instrument :
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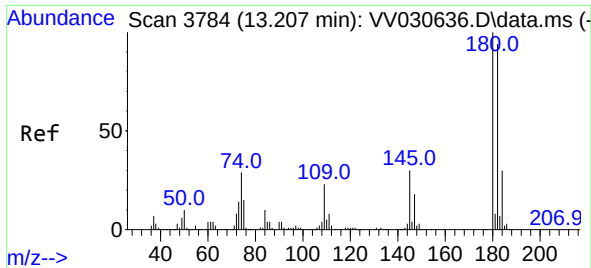
Tgt Ion:146 Resp: 561328
Ion Ratio Lower Upper
146 100
111 40.3 32.0 48.0
148 64.1 50.6 76.0



#69
1,3,5-Trichlorobenzene
Concen: 26.989 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. 0.614 min
Lab File: VV030653.D
Acq: 19 Apr 2023 05:50

Tgt Ion:180 Resp: 81136
Ion Ratio Lower Upper
180 100
182 95.3 76.4 114.6
184 31.4 24.1 36.1
145 30.5 23.6 35.4

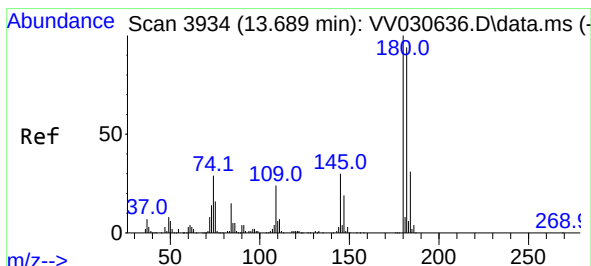
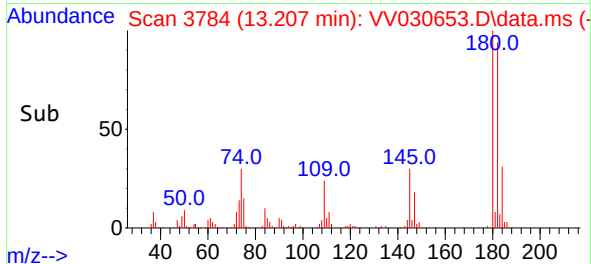
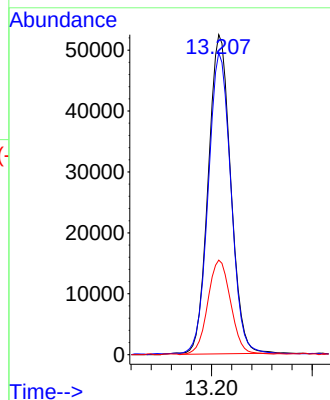
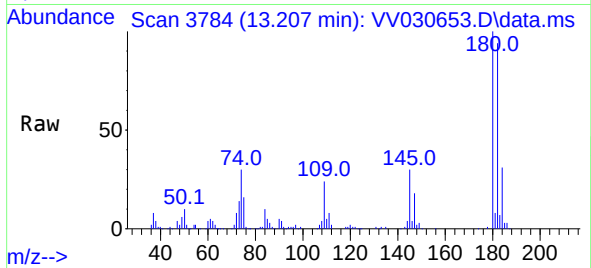




#70
1,2,4-trichlorobenzene
Concen: 31.787 ug/L
RT: 13.207 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV030653.D
Acq: 19 Apr 2023 05:50

Instrument :
MSVOA_V
ClientSampleId :
C0AQ1

Tgt Ion:180 Resp: 81136
Ion Ratio Lower Upper
180 100
182 95.3 75.9 113.9
145 30.5 23.4 35.2



#72
1,2,3-Trichlorobenzene
Concen: 11.911 ug/L
RT: 13.689 min Scan# 3934
Delta R.T. 0.000 min
Lab File: VV030653.D
Acq: 19 Apr 2023 05:50

Tgt Ion:180 Resp: 30147
Ion Ratio Lower Upper
180 100
182 90.7 76.2 114.4
145 30.3 25.1 37.7

