

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042123\
 Data File : VW030760.D
 Acq On : 21 Apr 2023 13:19
 Operator : SY/MD
 Sample : 02398-14 100X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP5

Quant Time: Apr 22 00:45:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 22 00:43:23 2023
 Response via : Initial Calibration

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

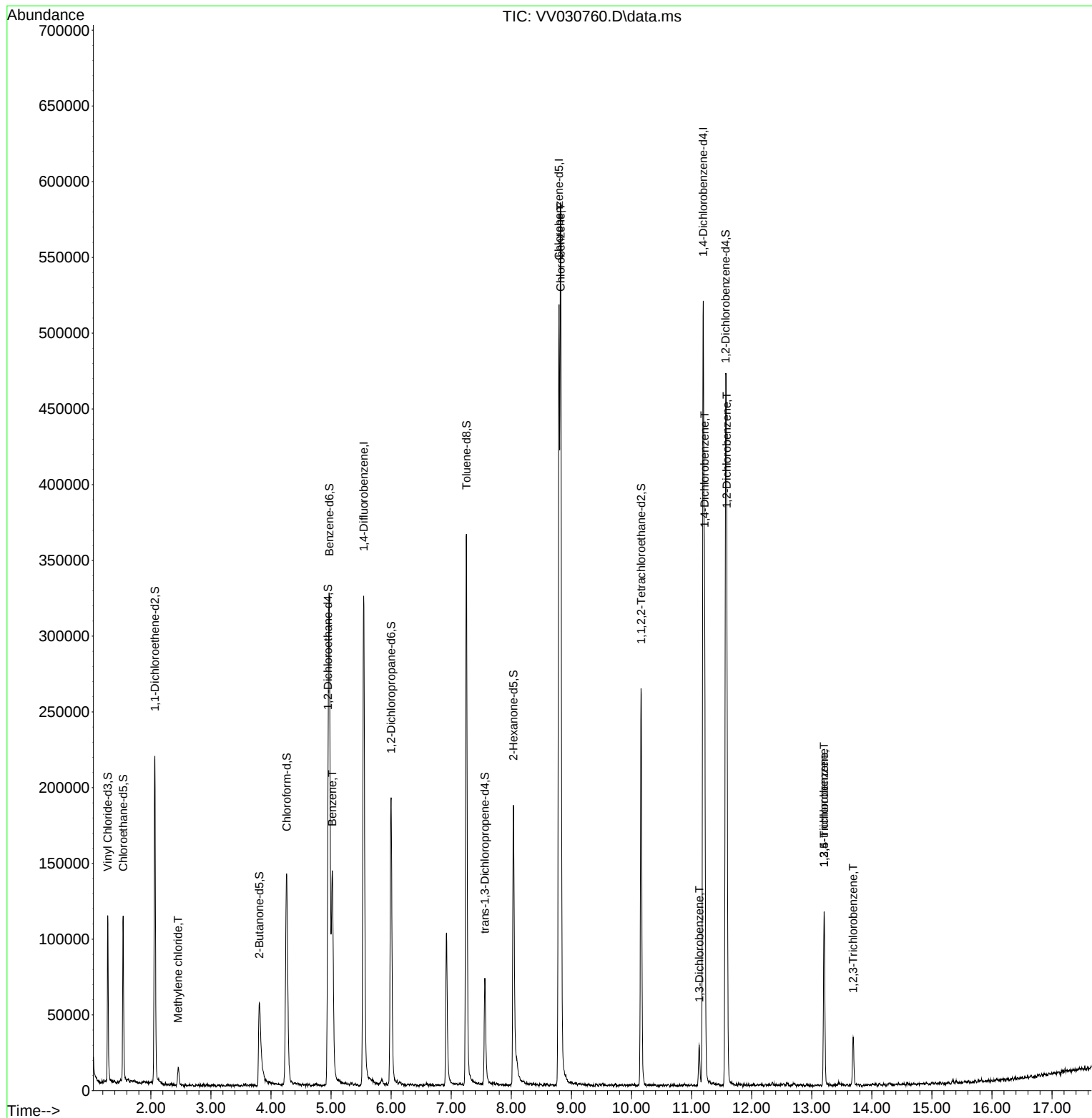
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	268883	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	256643	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	129846	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	72312	36.686	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.380%
7) Chloroethane-d5	1.539	69	65054	39.384	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.760%
11) 1,1-Dichloroethene-d2	2.066	65	37209	39.806	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.620%
21) 2-Butanone-d5	3.806	46	104190	96.236	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.240%
24) Chloroform-d	4.262	84	145593	40.758	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.520%
26) 1,2-Dichloroethane-d4	4.950	65	103052	44.872	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.740%
32) Benzene-d6	4.970	84	269738	44.454	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.900%
36) 1,2-Dichloropropane-d6	5.998	67	82846	43.955	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.900%
41) Toluene-d8	7.252	98	235176	41.280	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.560%
43) trans-1,3-Dichloroprop...	7.561	79	39178	41.241	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.480%
47) 2-Hexanone-d5	8.034	63	65066	87.631	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.630%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	114364	41.816	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.640%
66) 1,2-Dichlorobenzene-d4	11.567	152	100786	48.834	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.660%
Target Compounds						Qvalue
16) Methylene chloride	2.455	84	4373	2.030	ug/L	83
33) Benzene	5.021	78	137242	17.610	ug/L	100
51) Chlorobenzene	8.821	112	284751	51.506	ug/L	98
64) 1,3-Dichlorobenzene	11.130	146	10386	2.562	ug/L	94
65) 1,4-Dichlorobenzene	11.217	146	117524	27.490	ug/L	99
67) 1,2-Dichlorobenzene	11.587	146	102947	25.170	ug/L	99
69) 1,3,5-Trichlorobenzene	13.207	180	36628	11.960	ug/L	97
70) 1,2,4-trichlorobenzene	13.207	180	36628	14.086	ug/L	97
72) 1,2,3-Trichlorobenzene	13.689	180	9577	3.714	ug/L	97

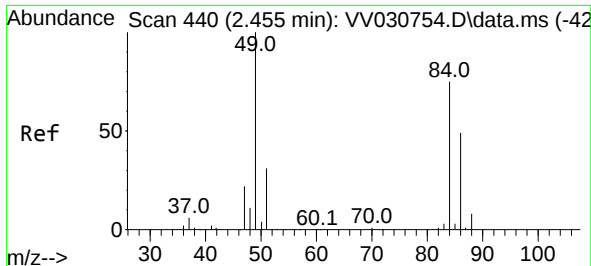
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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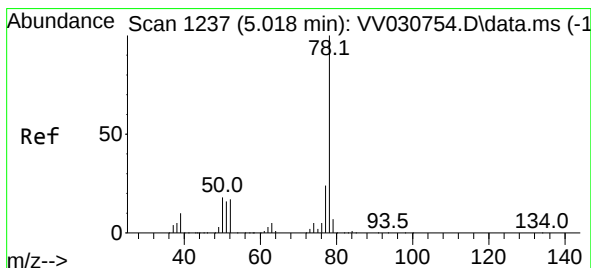
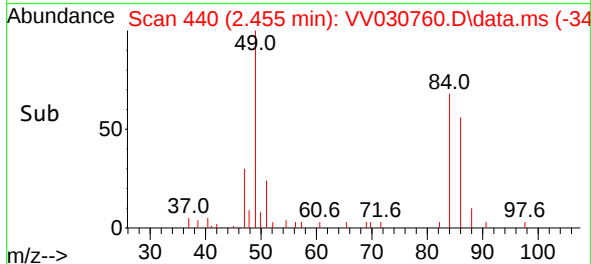
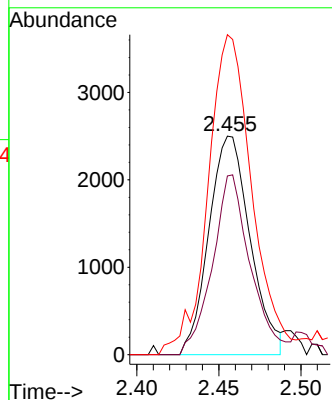
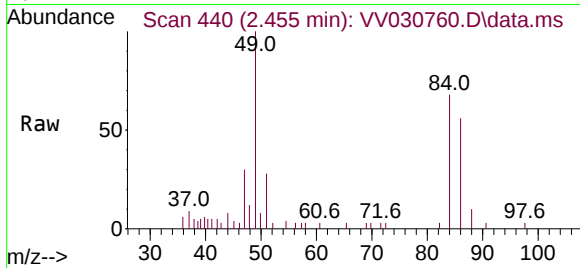




#16
Methylene chloride
Concen: 2.030 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV030760.D
Acq: 21 Apr 2023 13:19

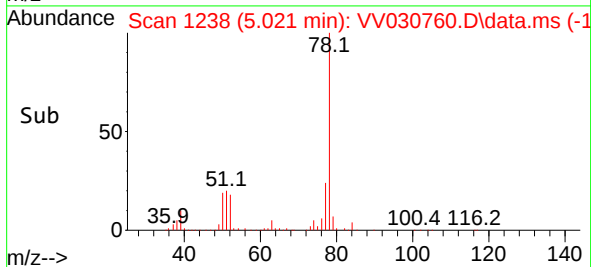
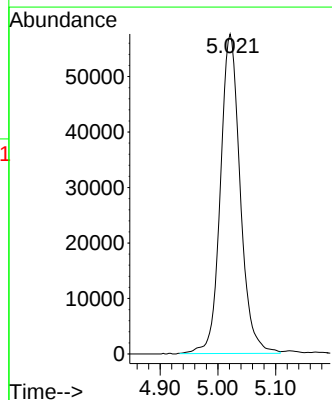
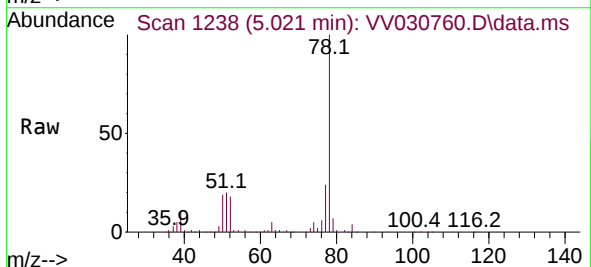
Instrument :
MSVOA_V
ClientSampleId :
COMP5

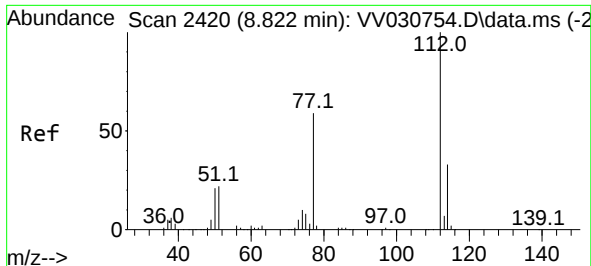
Tgt Ion: 84 Resp: 4373
Ion Ratio Lower Upper
84 100
86 81.8 45.4 84.2
49 146.4 90.4 168.0



#33
Benzene
Concen: 17.610 ug/L
RT: 5.021 min Scan# 1238
Delta R.T. 0.003 min
Lab File: VV030760.D
Acq: 21 Apr 2023 13:19

Tgt Ion: 78 Resp: 137242

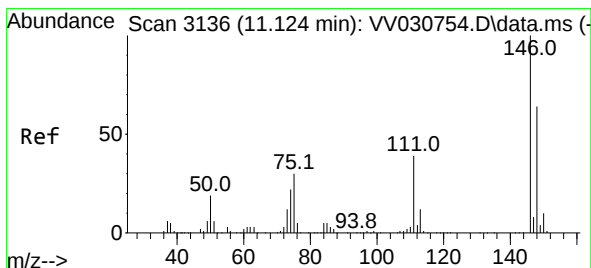
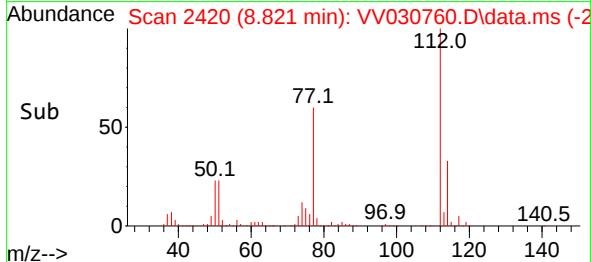
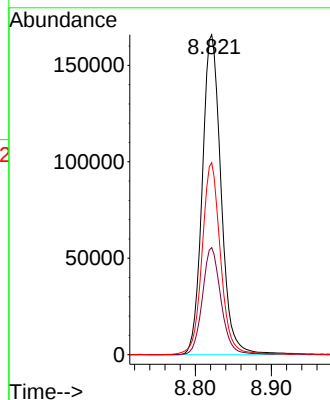
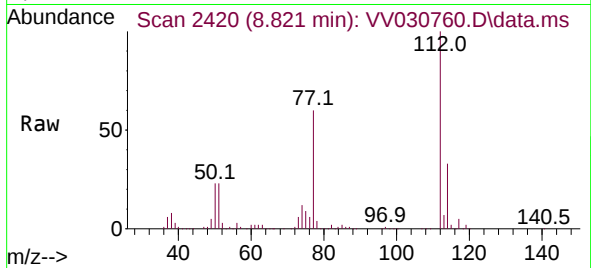




#51
Chlorobenzene
Concen: 51.506 ug/L
RT: 8.821 min Scan# 24
Delta R.T. -0.000 min
Lab File: VV030760.D
Acq: 21 Apr 2023 13:19

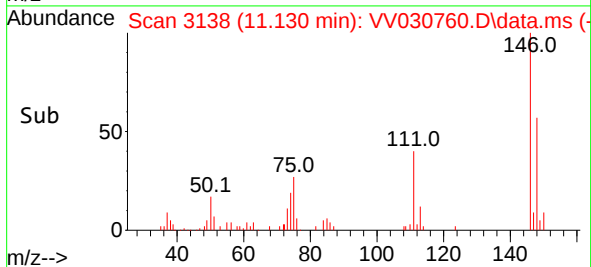
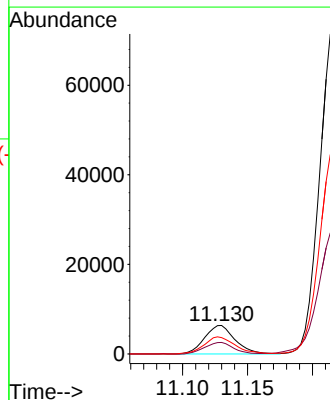
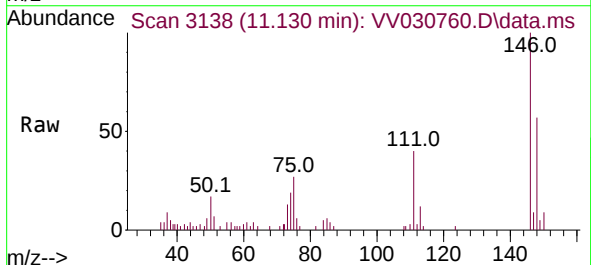
Instrument :
MSVOA_V
ClientSampleId :
COMP5

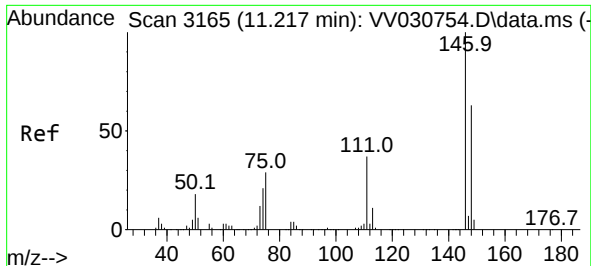
Tgt Ion:112 Resp: 284751
Ion Ratio Lower Upper
112 100
114 33.5 22.4 41.6
77 60.0 47.4 71.0



#64
1,3-Dichlorobenzene
Concen: 2.562 ug/L
RT: 11.130 min Scan# 3138
Delta R.T. 0.006 min
Lab File: VV030760.D
Acq: 21 Apr 2023 13:19

Tgt Ion:146 Resp: 10386
Ion Ratio Lower Upper
146 100
111 40.3 27.0 50.2
148 57.3 44.8 83.2

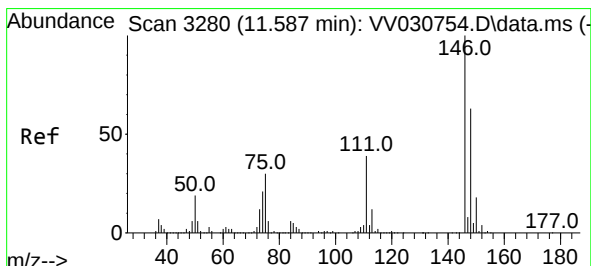
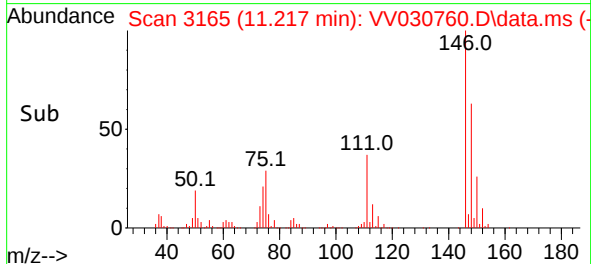
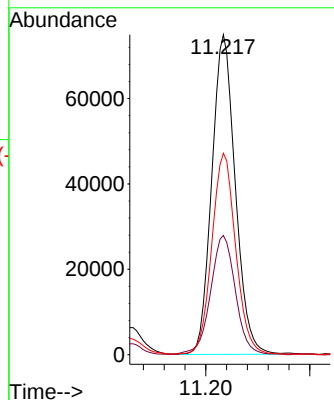
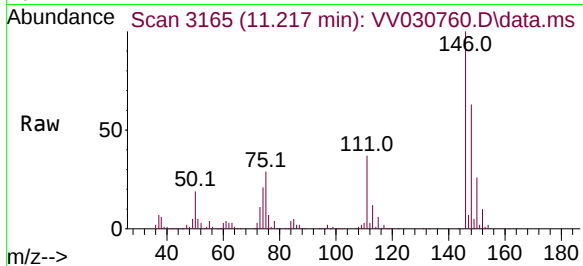




#65
1,4-Dichlorobenzene
Concen: 27.490 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030760.D
Acq: 21 Apr 2023 13:19

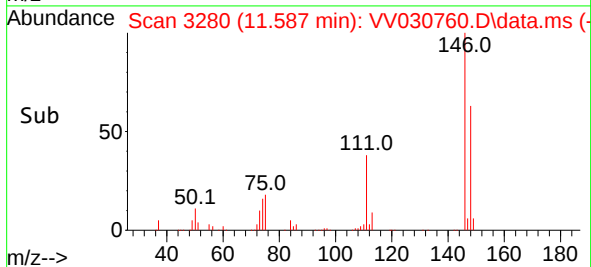
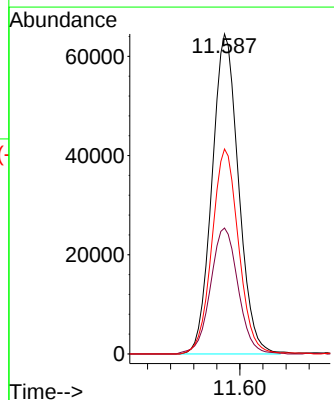
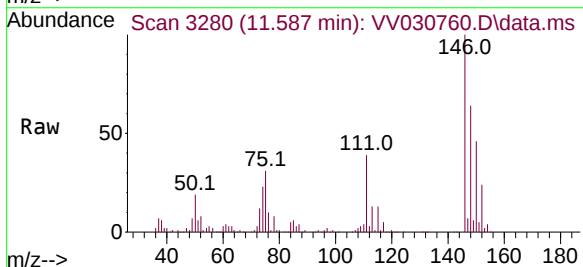
Instrument :
MSVOA_V
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COMP5

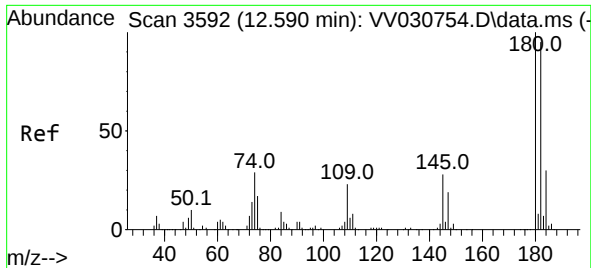
Tgt Ion:146 Resp: 117524
Ion Ratio Lower Upper
146 100
111 37.2 26.5 49.1
148 63.0 44.7 83.1



#67
1,2-Dichlorobenzene
Concen: 25.170 ug/L
RT: 11.587 min Scan# 3280
Delta R.T. -0.000 min
Lab File: VV030760.D
Acq: 21 Apr 2023 13:19

Tgt Ion:146 Resp: 102947
Ion Ratio Lower Upper
146 100
111 39.3 32.0 48.0
148 64.0 50.6 76.0

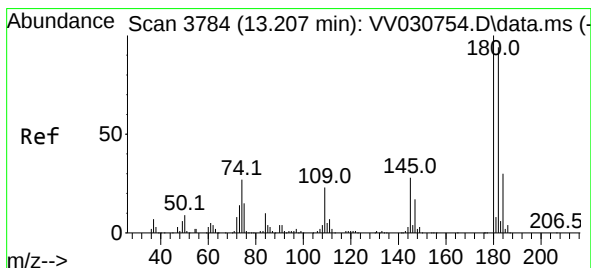
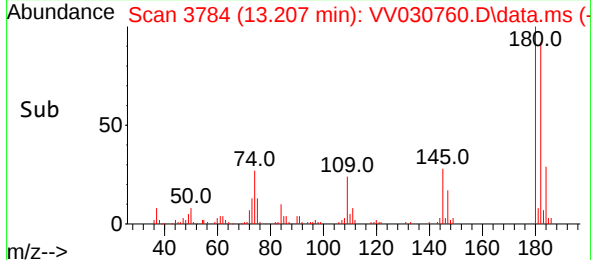
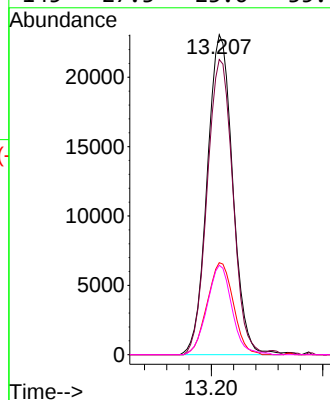
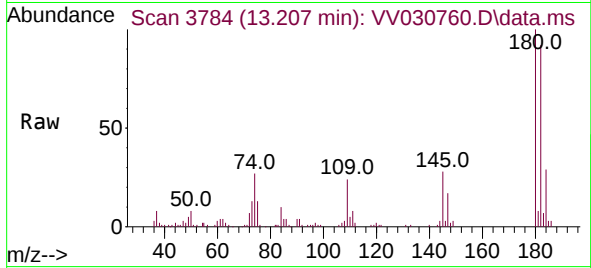




#69
1,3,5-Trichlorobenzene
Concen: 11.960 ug/L
RT: 13.207 min Scan# 31
Delta R.T. 0.617 min
Lab File: VV030760.D
Acq: 21 Apr 2023 13:19

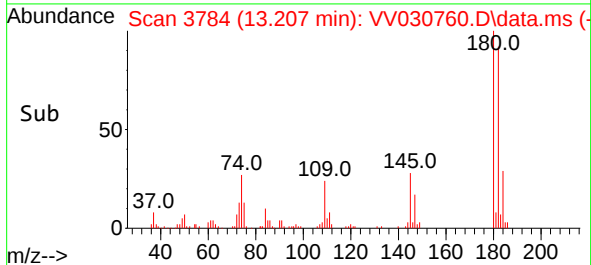
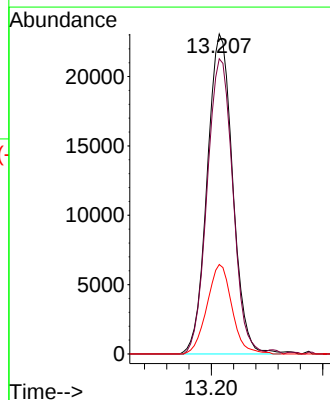
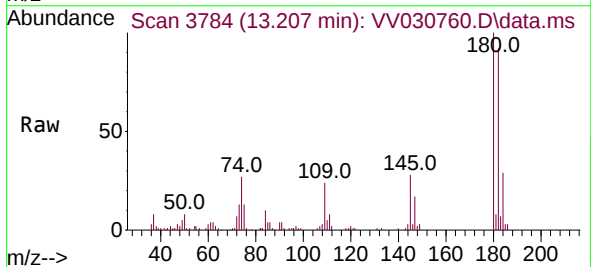
Instrument :
MSVOA_V
ClientSampleId :
COMP5

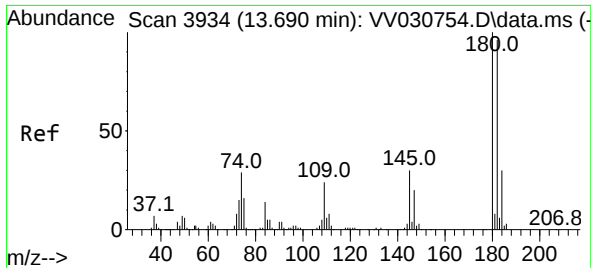
Tgt Ion:180	Resp:	36628
Ion Ratio	Lower	Upper
180	100	
182	92.8	76.4 114.6
184	29.5	24.1 36.1
145	27.3	23.6 35.4



#70
1,2,4-trichlorobenzene
Concen: 14.086 ug/L
RT: 13.207 min Scan# 3784
Delta R.T. -0.000 min
Lab File: VV030760.D
Acq: 21 Apr 2023 13:19

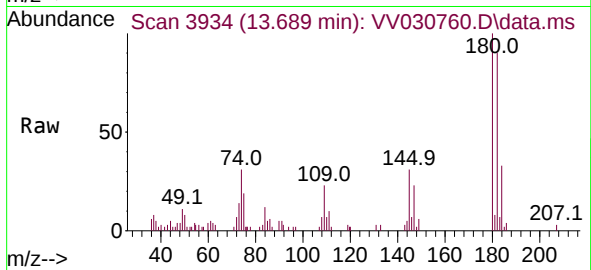
Tgt Ion:180	Resp:	36628
Ion Ratio	Lower	Upper
180	100	
182	92.8	75.9 113.9
145	27.3	23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 3.714 ug/L
 RT: 13.689 min Scan# 3934
 Delta R.T. -0.000 min
 Lab File: VV030760.D
 Acq: 21 Apr 2023 13:19

Instrument :
 MSVOA_V
 ClientSampleId :
 COMP5



Tgt Ion:	180	Resp:	9577
Ion	Ratio	Lower	Upper
180	100		
182	92.0	76.2	114.4
145	32.3	25.1	37.7

