

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042423\
 Data File : VV030794.D
 Acq On : 24 Apr 2023 15:46
 Operator : SY/MD
 Sample : 02440-05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 COMQ0

Quant Time: Apr 25 03:22:58 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)

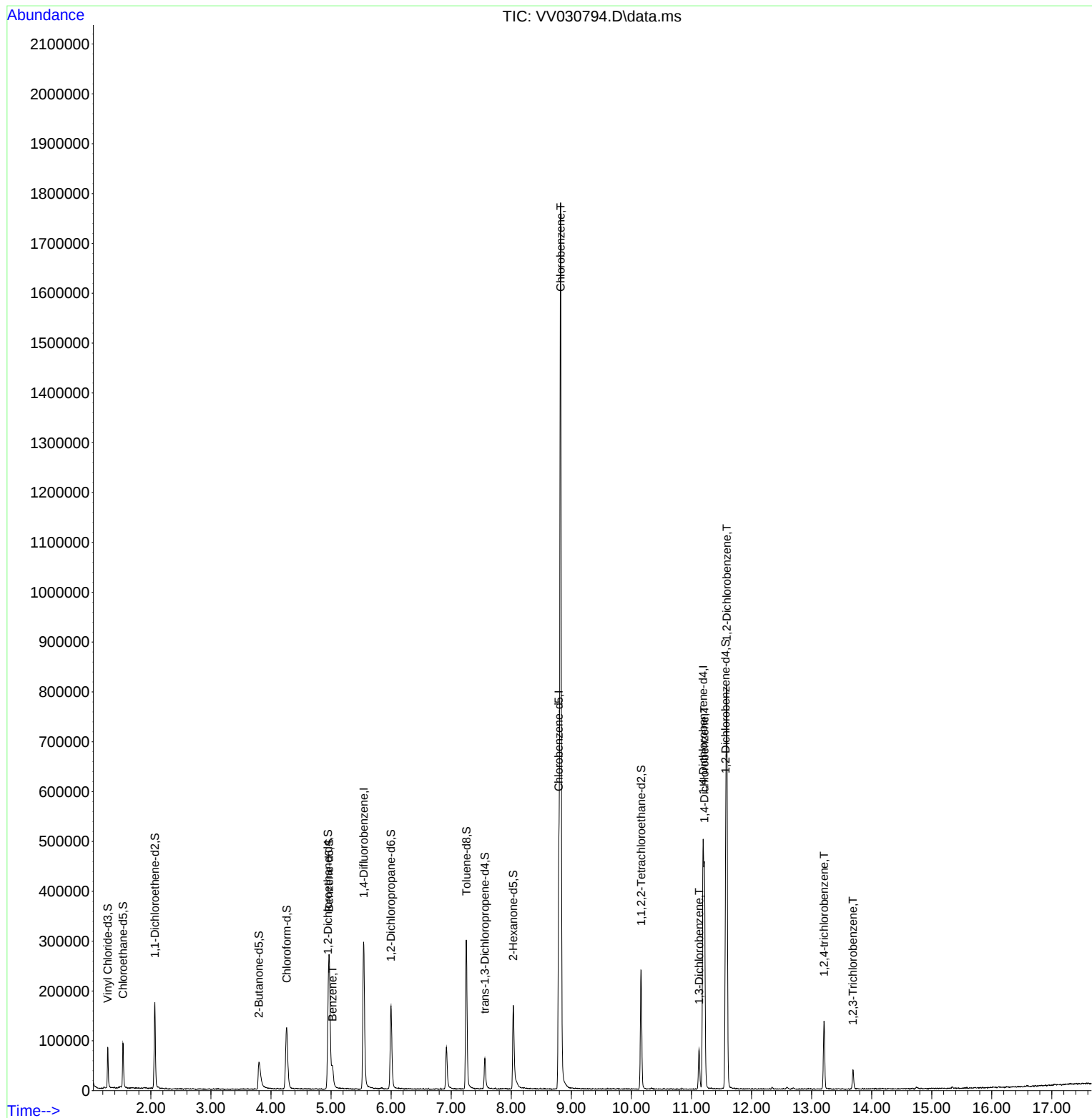
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	248773	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	245000	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	122817	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	54521	29.896	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery	=	59.800%#	
7) Chloroethane-d5	1.535	69	53339	34.902	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery	=	69.800%#	
11) 1,1-Dichloroethene-d2	2.066	65	28516	32.972	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	65.940%	
21) 2-Butanone-d5	3.799	46	86829	86.683	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery	=	86.680%	
24) Chloroform-d	4.262	84	128005	38.731	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	77.460%	
26) 1,2-Dichloroethane-d4	4.950	65	89284	42.019	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	84.040%	
32) Benzene-d6	4.969	84	223575	38.597	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery	=	77.200%	
36) 1,2-Dichloropropane-d6	5.998	67	71202	39.572	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery	=	79.140%	
41) Toluene-d8	7.252	98	194620	35.785	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	71.580%#	
43) trans-1,3-Dichloroprop...	7.561	79	34270	37.789	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery	=	75.580%	
47) 2-Hexanone-d5	8.034	63	56600	79.852	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery	=	79.850%	
56) 1,1,2,2-Tetrachloroeth...	10.162	84	106536	40.805	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery	=	81.600%	
66) 1,2-Dichlorobenzene-d4	11.570	152	90881	46.555	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery	=	93.100%	
Target Compounds						
					Qvalue	
33) Benzene	5.024	78	43256	5.814	ug/L	100
51) Chlorobenzene	8.821	112	868981	164.653	ug/L	99
64) 1,3-Dichlorobenzene	11.127	146	31773	8.285	ug/L	99
65) 1,4-Dichlorobenzene	11.217	146	157997	39.072	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	279846	72.336	ug/L	100
70) 1,2,4-trichlorobenzene	13.207	180	40841	16.605	ug/L	99
72) 1,2,3-Trichlorobenzene	13.689	180	11825	4.848	ug/L	97

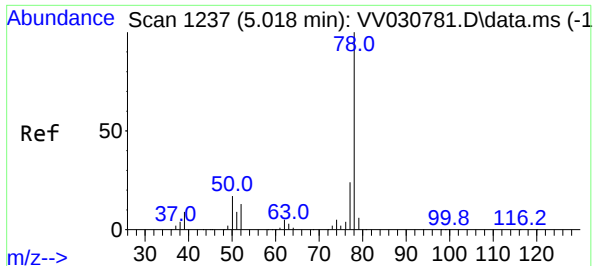
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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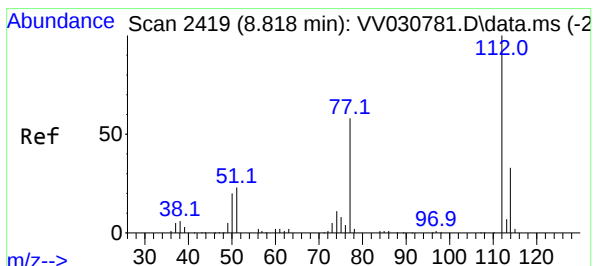
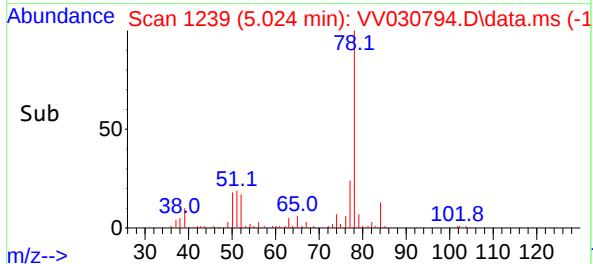
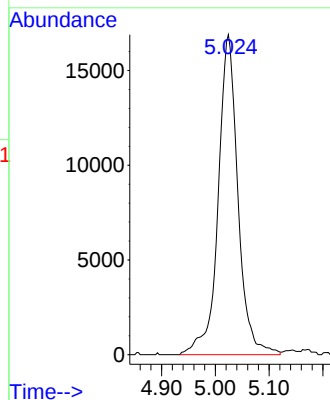
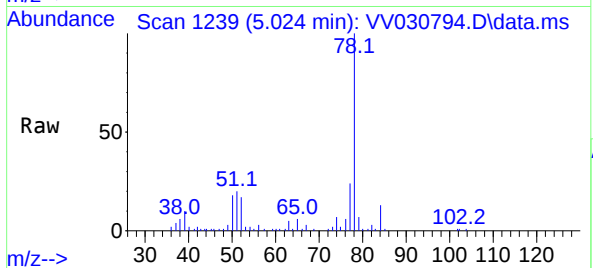




#33
Benzene
Concen: 5.814 ug/L
RT: 5.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV030794.D
Acq: 24 Apr 2023 15:46

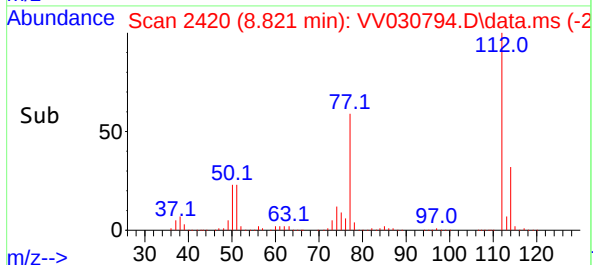
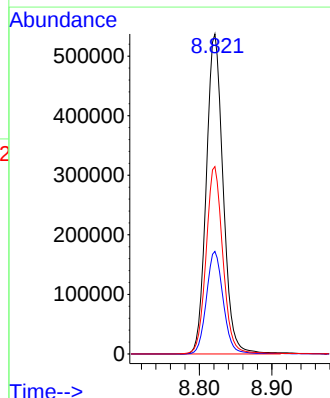
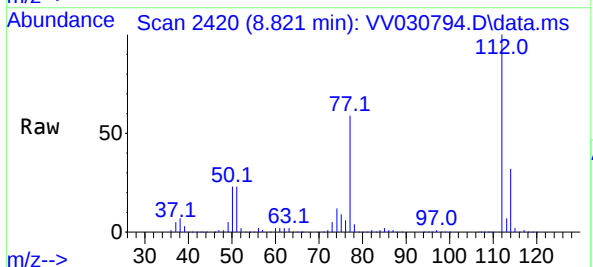
Instrument :
MSVOA_V
ClientSampleId :
COMQ0

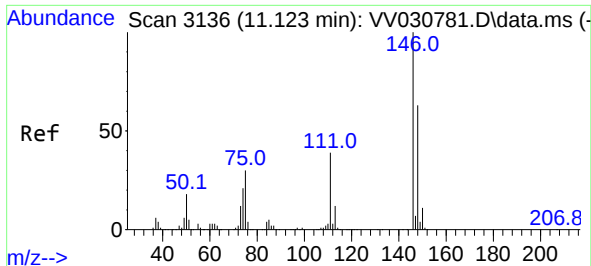
Tgt Ion: 78 Resp: 43256



#51
Chlorobenzene
Concen: 164.653 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. -0.000 min
Lab File: VV030794.D
Acq: 24 Apr 2023 15:46

Tgt Ion: 112 Resp: 868981
Ion Ratio Lower Upper
112 100
114 32.1 22.4 41.6
77 58.6 47.4 71.0

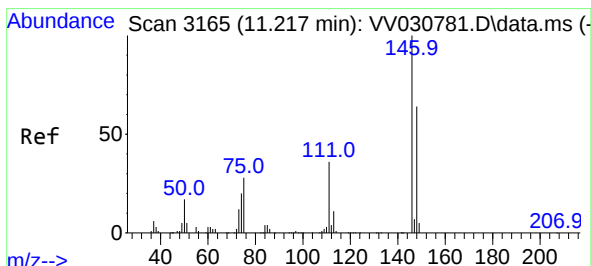
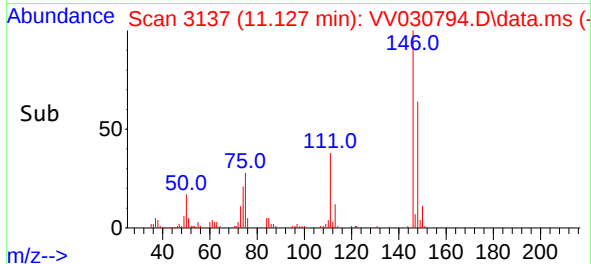
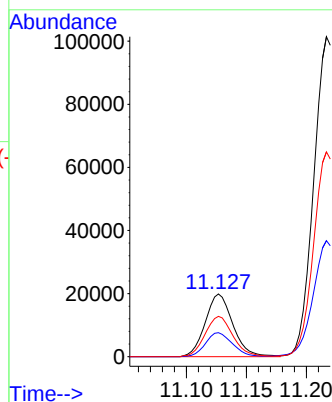
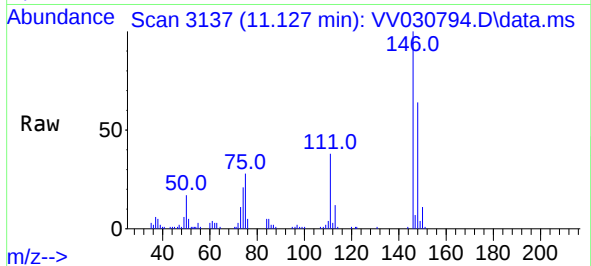




#64
1,3-Dichlorobenzene
Concen: 8.285 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV030794.D
Acq: 24 Apr 2023 15:46

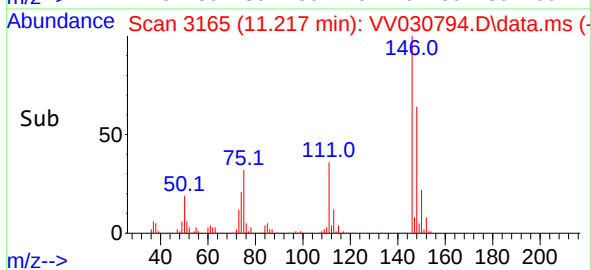
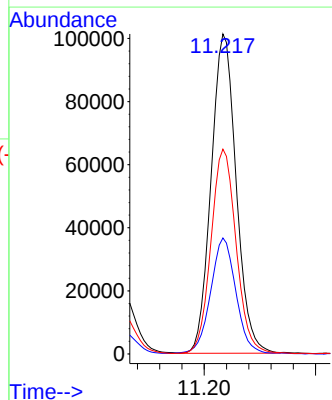
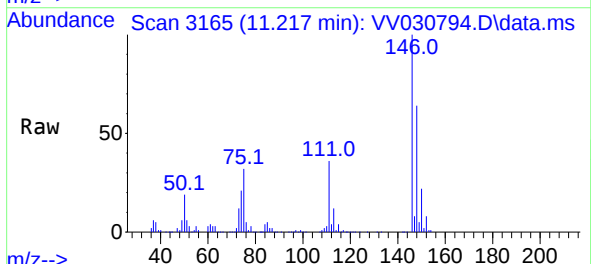
Instrument :
MSVOA_V
ClientSampleId :
COMQ0

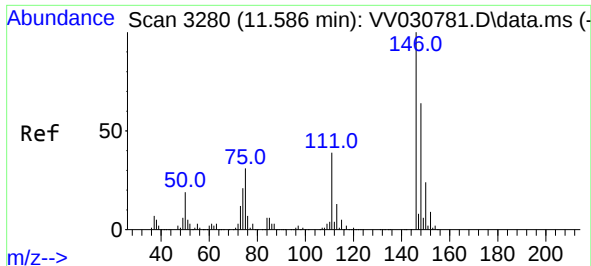
Tgt Ion:146 Resp: 31773
Ion Ratio Lower Upper
146 100
111 38.2 27.0 50.2
148 64.3 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 39.072 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030794.D
Acq: 24 Apr 2023 15:46

Tgt Ion:146 Resp: 157997
Ion Ratio Lower Upper
146 100
111 36.3 26.5 49.1
148 64.0 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 72.336 ug/L

RT: 11.586 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030794.D

Acq: 24 Apr 2023 15:46

Instrument :

MSVOA_V

ClientSampleId :

COMQ0

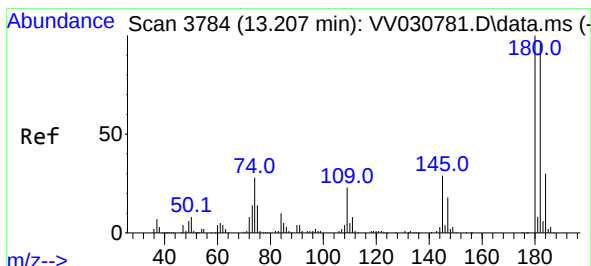
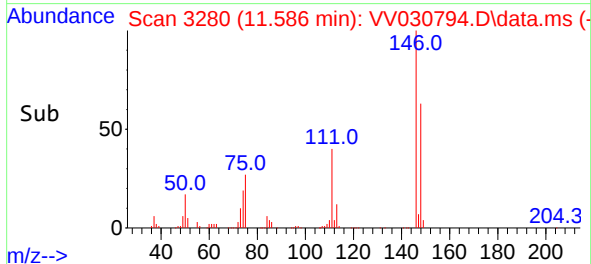
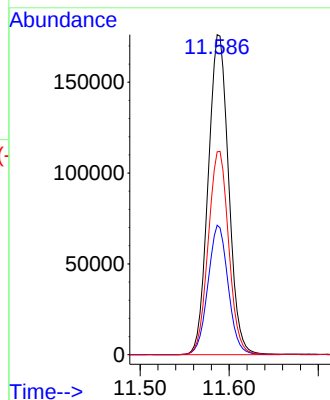
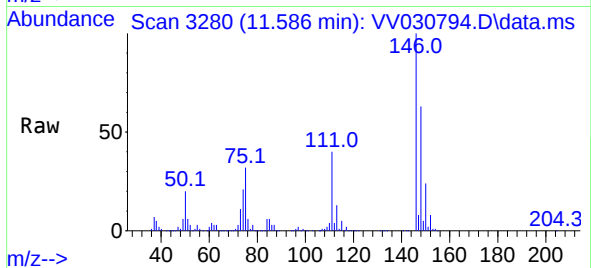
Tgt Ion:146 Resp: 279846

Ion Ratio Lower Upper

146 100

111 40.5 32.0 48.0

148 63.4 50.6 76.0



#70

1,2,4-trichlorobenzene

Concen: 16.605 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. -0.000 min

Lab File: VV030794.D

Acq: 24 Apr 2023 15:46

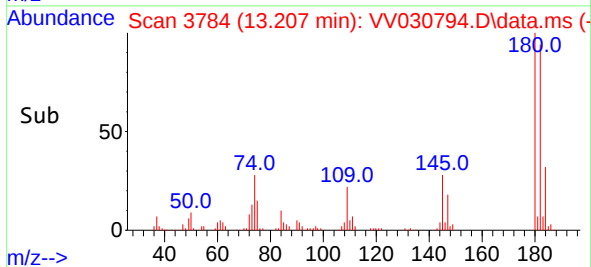
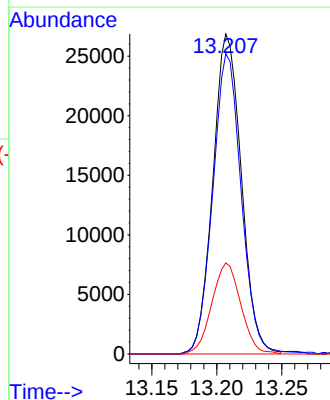
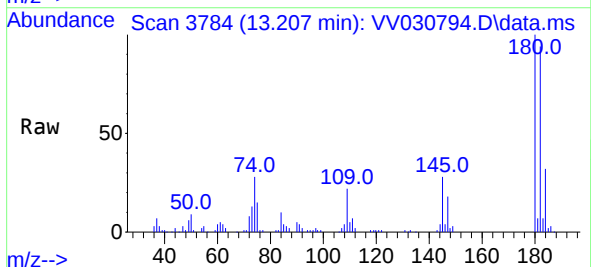
Tgt Ion:180 Resp: 40841

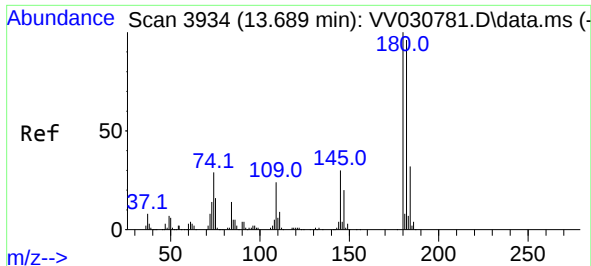
Ion Ratio Lower Upper

180 100

182 93.8 75.9 113.9

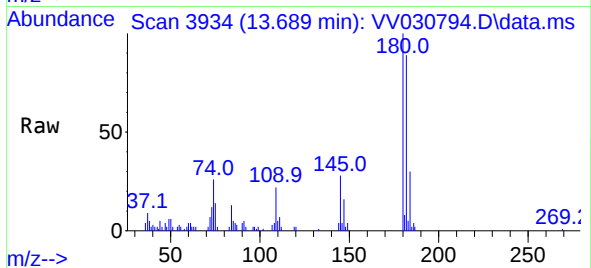
145 28.9 23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 4.848 ug/L
 RT: 13.689 min Scan# 3934
 Delta R.T. -0.000 min
 Lab File: VV030794.D
 Acq: 24 Apr 2023 15:46

Instrument :
 MSVOA_V
 ClientSampleId :
 COMQ0



Tgt Ion:	180	Resp:	11825
Ion	Ratio	Lower	Upper
180	100		
182	92.2	76.2	114.4
145	30.3	25.1	37.7

