

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018789.D
 Acq On : 09 Oct 2020 03:00
 Operator : SY/MD
 Sample : L4239-16DL 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3R9DL

Quant Time: Oct 09 08:30:44 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 09 07:31:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	321222	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	303909	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	153129	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	131830	45.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.34%
7) Chloroethane-d5	1.58	69	110004	46.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.64%
11) 1,1-Dichloroethene-d2	2.12	63	199504	35.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.90%
21) 2-Butanone-d5	3.90	46	190055	106.05	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.05%
24) Chloroform-d	4.38	84	239753	46.56	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.12%
26) 1,2-Dichloroethane-d4	5.05	65	173476	49.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.40%
32) Benzene-d6	5.07	84	487231	49.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.64%
36) 1,2-Dichloropropane-d6	6.09	67	158090	49.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.14%
41) Toluene-d8	7.34	98	405165	46.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.34%
43) trans-1,3-Dichloropropene-	7.64	79	69059	44.30	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.60%
47) 2-Hexanone-d5	8.11	63	97230	86.99	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.99%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	154490	42.11	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.22%
64) 1,2-Dichlorobenzene-d4	11.65	152	166499	49.13	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.26%

Target Compounds

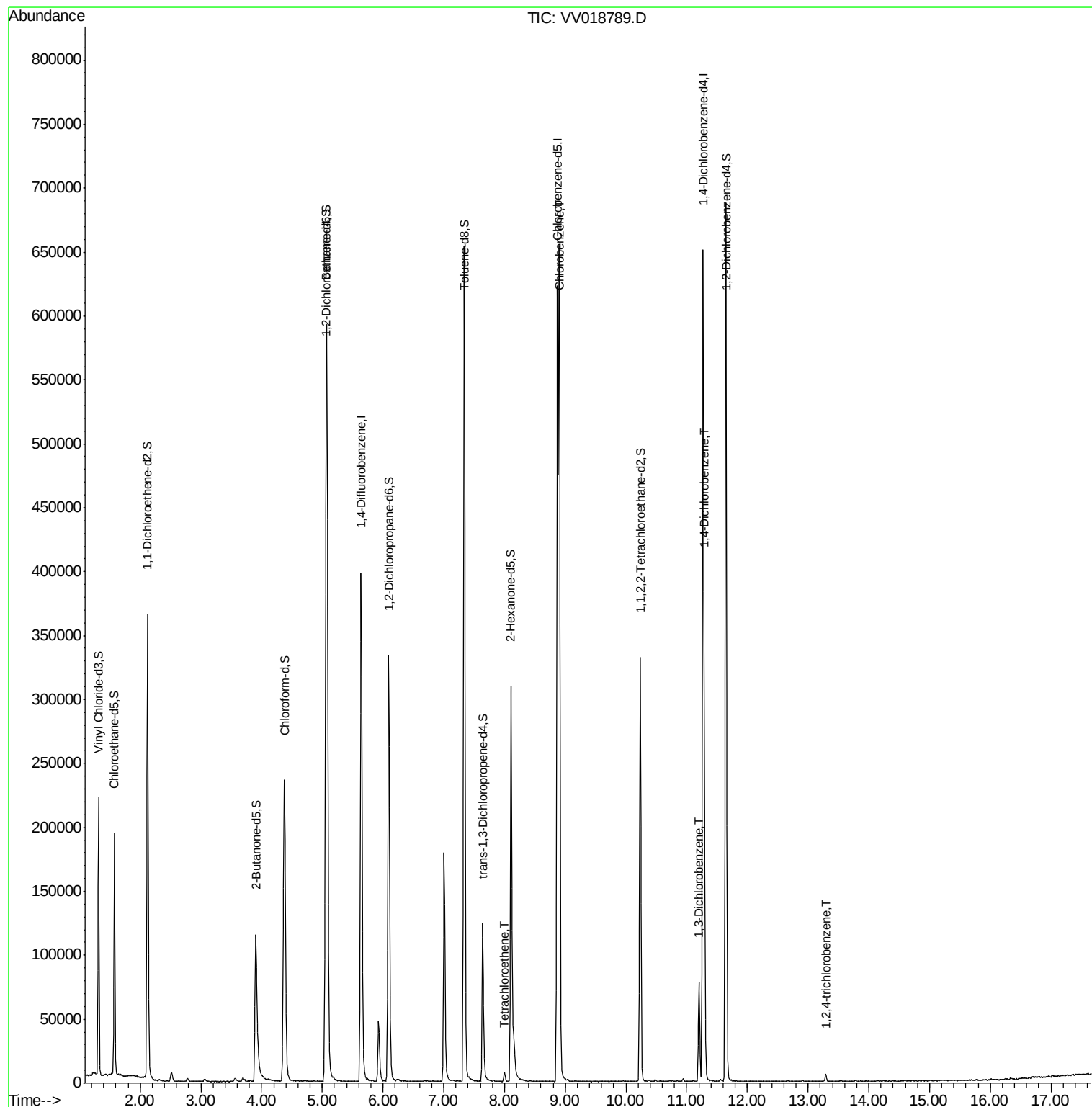
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
46) Tetrachloroethene	8.00	164	1717	0.844	ug/L	88
51) Chlorobenzene	8.90	112	316585	48.165	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	30632	6.136	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	66216	12.751	ug/L	98
68) 1,2,4-trichlorobenzene	13.30	180	2093	0.688	ug/L	95

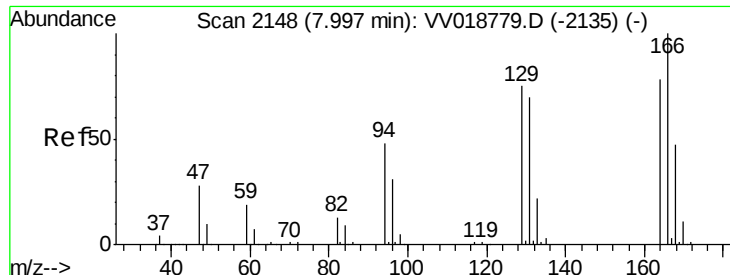
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#46

Tetrachloroethene

Concen: 0.844 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018789.D

Acq: 09 Oct 2020 03:00

Instrument :

MSVOA_V

ClientSampleId :

BG3R9DL

Tot Ion:164 Resp: 1717

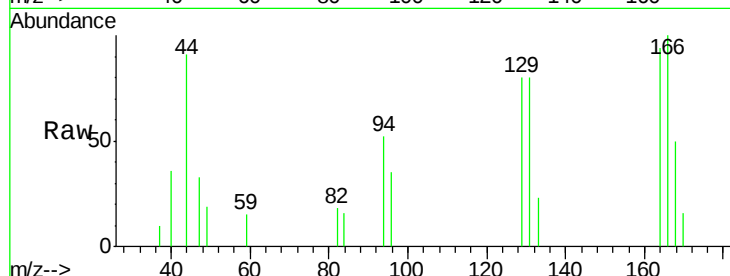
Ion Ratio Lower Upper

164 100

129 84.6 64.6 120.0

131 84.8 63.6 118.0

166 105.9 88.3 164.1

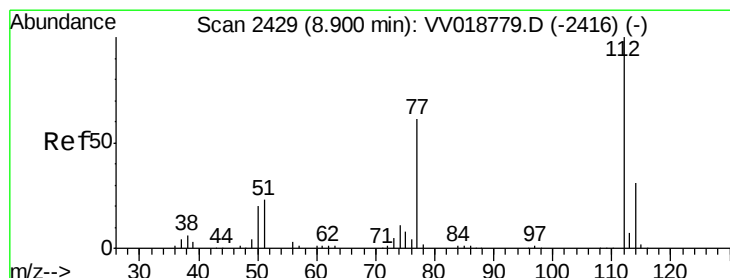
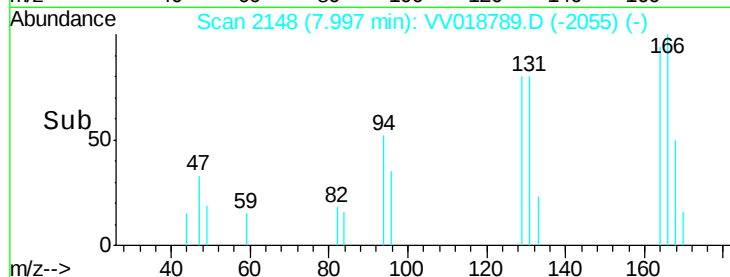
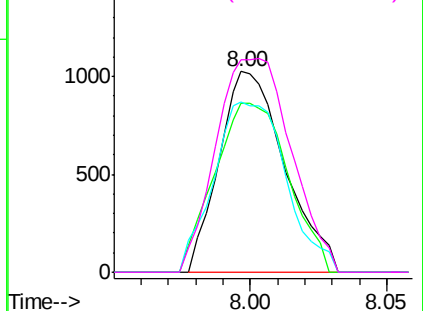


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#51

Chlorobenzene

Concen: 48.165 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV018789.D

Acq: 09 Oct 2020 03:00

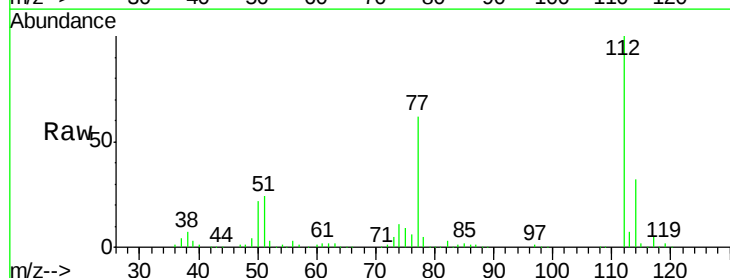
Tgt Ion:112 Resp: 316585

Ion Ratio Lower Upper

112 100

114 32.0 22.0 41.0

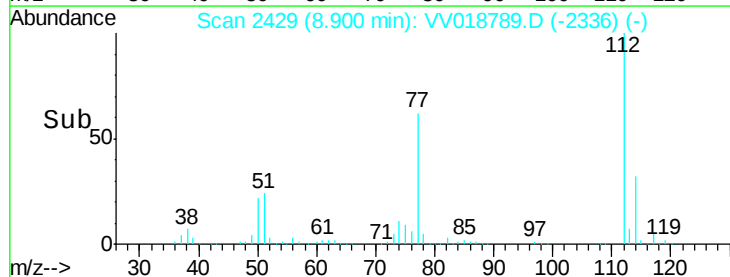
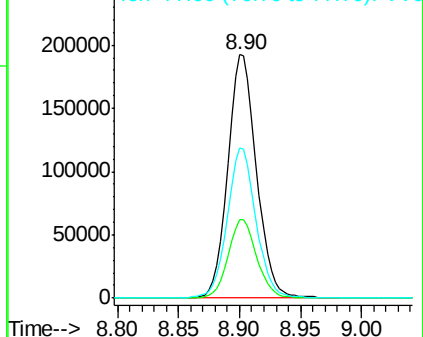
77 61.8 49.8 74.6

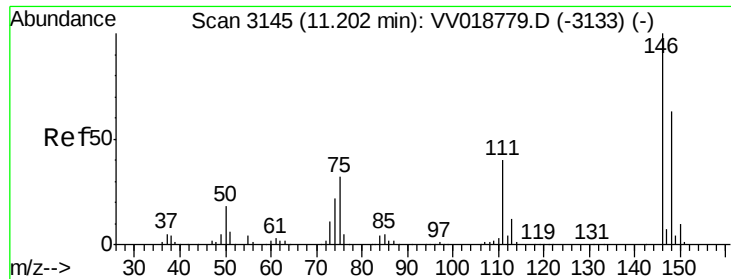


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): VV0

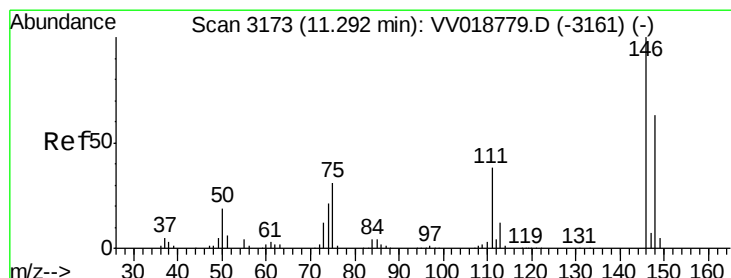
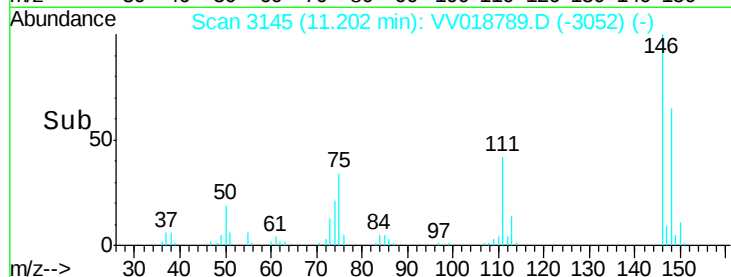
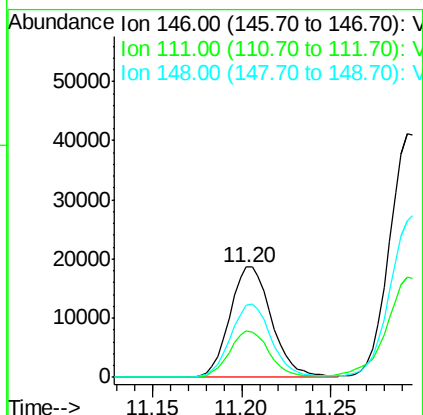
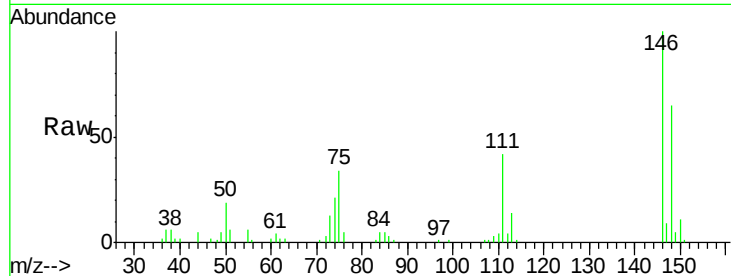




#62
 1,3-Dichlorobenzene
 Concen: 6.136 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018789.D
 Acq: 09 Oct 2020 03:00

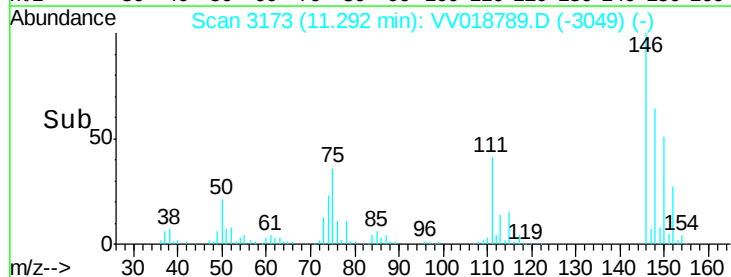
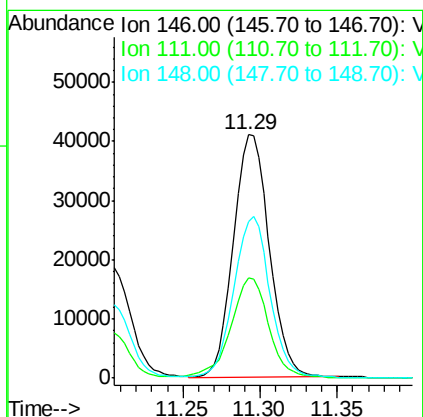
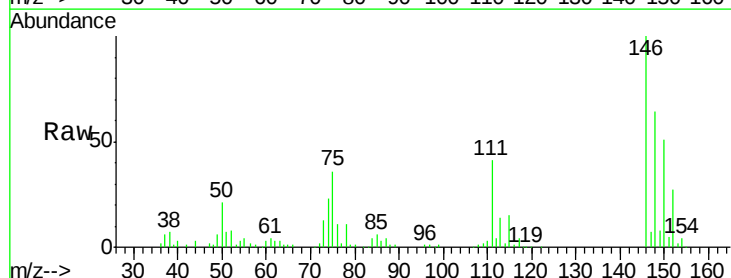
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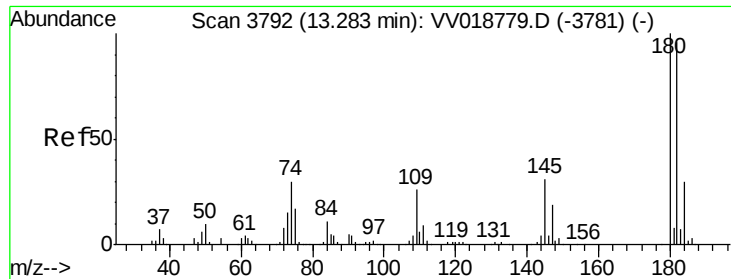
Tot Ion:146 Resp: 30632
 Ion Ratio Lower Upper
 146 100
 111 41.9 27.8 51.6
 148 65.0 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 12.751 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018789.D
 Acq: 09 Oct 2020 03:00

Tgt Ion:146 Resp: 66216
 Ion Ratio Lower Upper
 146 100
 111 41.0 27.1 50.3
 148 64.4 45.4 84.4

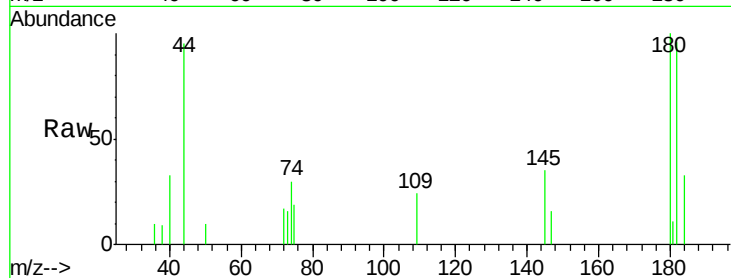




#68
 1,2,4-trichlorobenzene
 Concen: 0.688 ug/L
 RT: 13.30 min Scan# 3796
 Delta R.T. 0.01 min
 Lab File: VV018789.D
 Acq: 09 Oct 2020 03:00

Instrument :
 MSVOA_V
 ClientSampleId :
 BG3R9DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	76.7	115.1
145	26.4	24.0	36.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

