

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U080718\
 Data File : VU025961.D
 Acq On : 08 Aug 2018 00:56
 Operator : MD/SY
 Sample : J4361-19
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZA1

Quant Time: Aug 09 04:14:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080718WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 08 06:47:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	312916	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	283022	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	125076	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	80998	46.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.42%
7) Chloroethane-d5	1.68	69	65324	50.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.46%
11) 1,1-Dichloroethene-d2	2.27	63	118880	35.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.80%
21) 2-Butanone-d5	4.18	46	128130	107.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.39%
24) Chloroform-d	4.65	84	169992	50.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.28%
26) 1,2-Dichloroethane-d4	5.31	65	114945	51.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.76%
32) Benzene-d6	5.35	84	327183	52.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.88%
36) 1,2-Dichloropropane-d6	6.33	67	104378	53.81	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.62%
41) Toluene-d8	7.57	98	297101	49.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.16%
43) trans-1,3-Dichloropropene-	7.85	79	47945	47.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.28%
47) 2-Hexanone-d5	8.31	63	85125	105.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.46%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	141197	52.55	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	113127	54.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.50%

Target Compounds

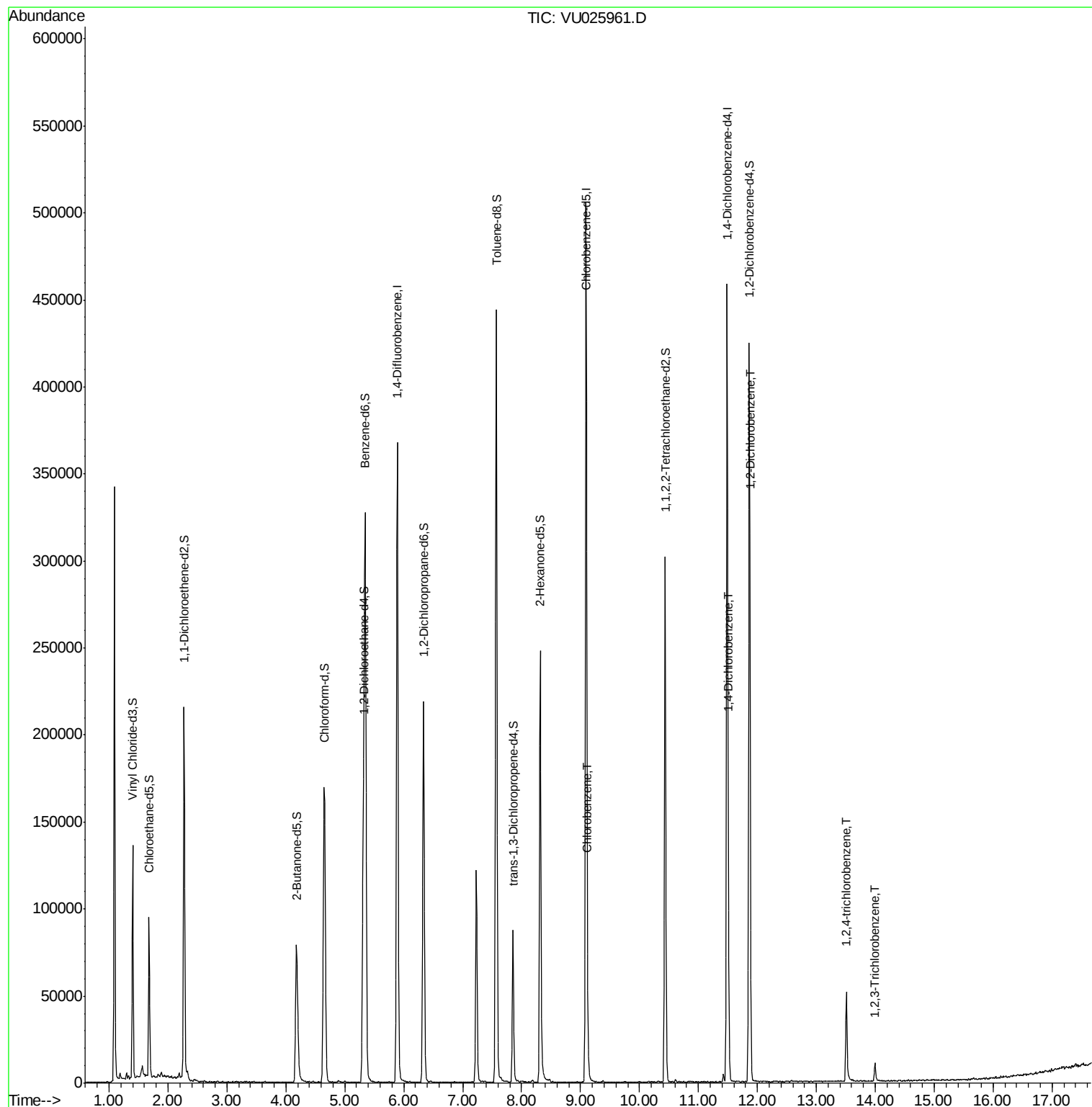
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
51) Chlorobenzene	9.12	112	9130	1.65	ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	13075	3.43	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	11050	2.94	ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	18213	7.61	ug/L	97
70) 1,2,3-Trichlorobenzene	13.99	180	4660	1.90	ug/L	88

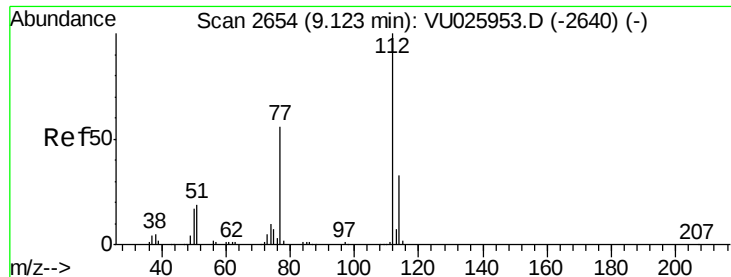
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#51

Chlorobenzene

Concen: 1.65 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

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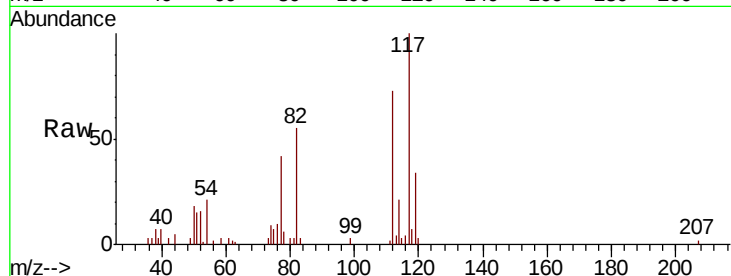
Tot Ion:112 Resp: 9130

Ion Ratio Lower Upper

112 100

114 29.5 22.9 42.5

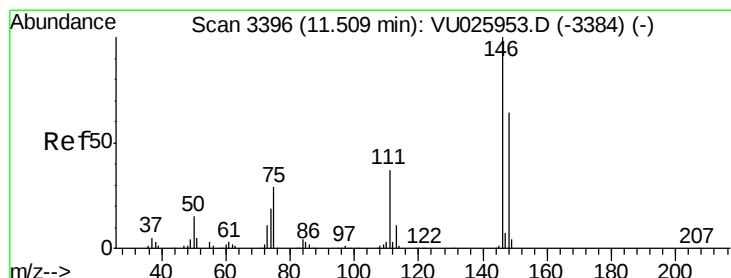
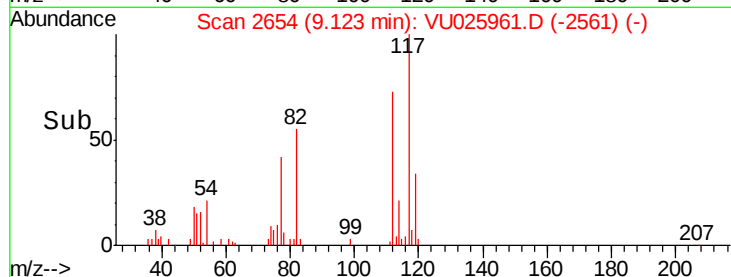
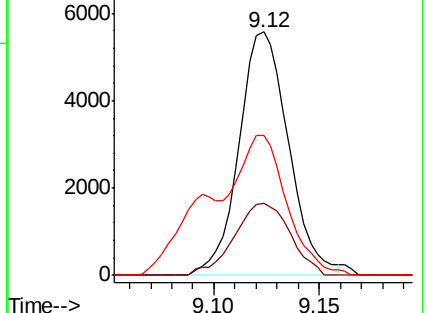
77 57.7 46.6 70.0



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): V



#63

1,4-Dichlorobenzene

Concen: 3.43 ug/L

RT: 11.51 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VU025961.D

Acq: 08 Aug 2018 00:56

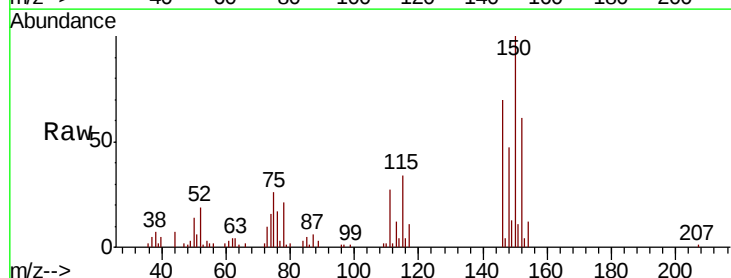
Tgt Ion:146 Resp: 13075

Ion Ratio Lower Upper

146 100

111 38.5 26.7 49.7

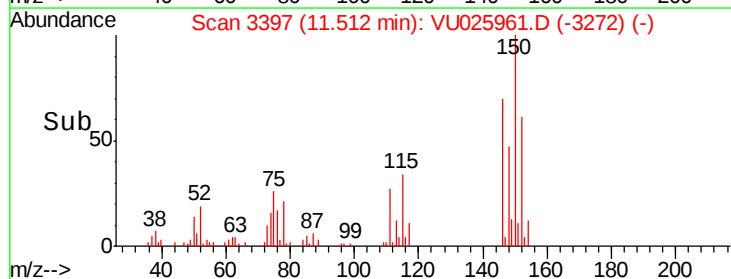
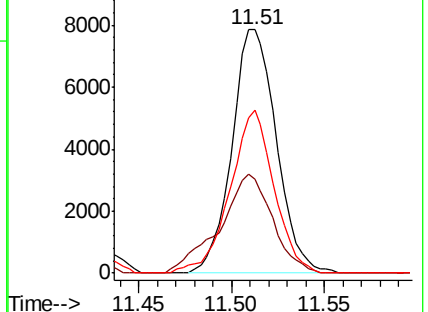
148 67.0 45.2 84.0

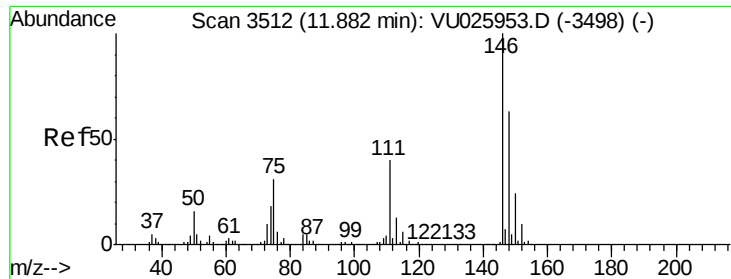


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 2.94 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. -0.00 min

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Acq: 08 Aug 2018 00:56

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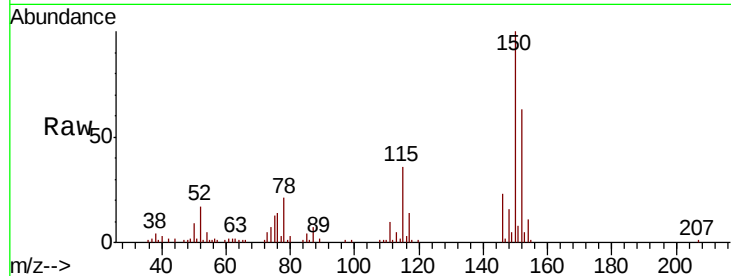
Tot Ion:146 Resp: 11050

Ion Ratio Lower Upper

146 100

111 44.6 33.4 50.0

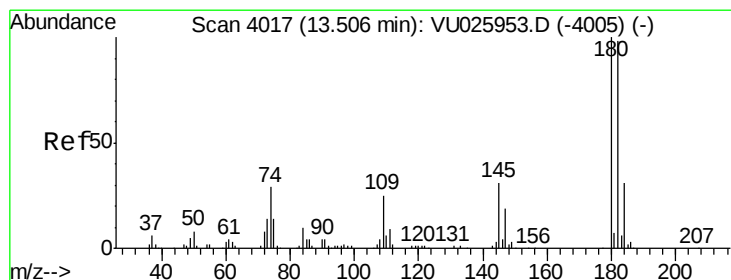
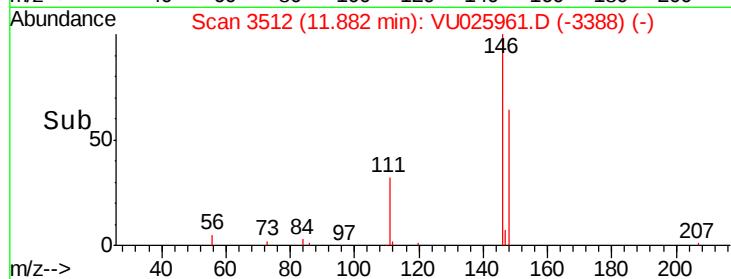
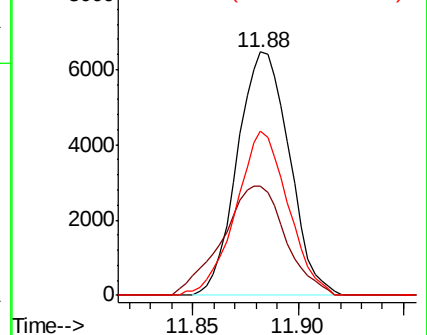
148 67.4 51.8 77.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2,4-trichlorobenzene

Concen: 7.61 ug/L

RT: 13.51 min Scan# 4018

Delta R.T. 0.00 min

Lab File: VU025961.D

Acq: 08 Aug 2018 00:56

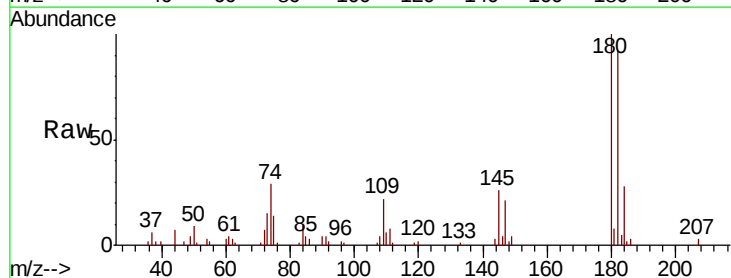
Tgt Ion:180 Resp: 18213

Ion Ratio Lower Upper

180 100

182 98.0 75.3 112.9

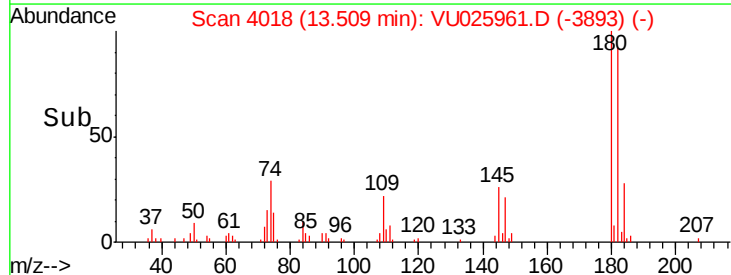
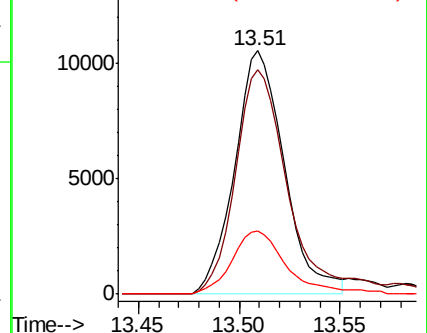
145 28.7 23.1 34.7

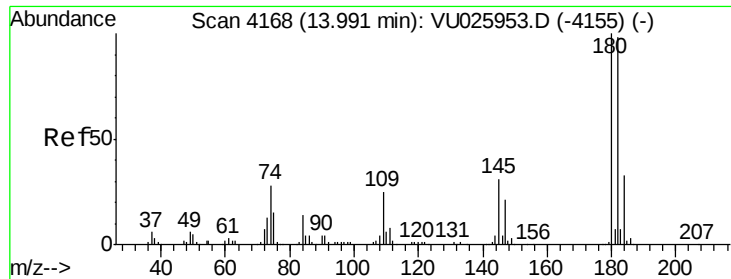


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

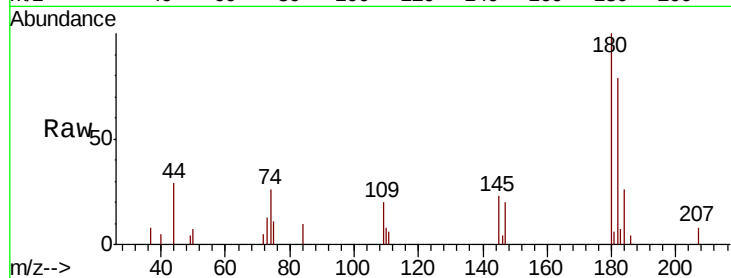




#70
 1,2,3-Trichlorobenzene
 Concen: 1.90 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU025961.D
 Acq: 08 Aug 2018 00:56

Instrument :
 MSVOA_U
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Tot Ion	Ratio	Lower	Upper
180	100		
182	85.3	77.6	116.4
145	25.8	25.3	37.9



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

