

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081018\
 Data File : VU026040.D
 Acq On : 10 Aug 2018 13:54
 Operator : MD/SY
 Sample : J4401-05
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE3

Quant Time: Aug 11 01:50:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM080918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Aug 11 00:58:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	285314	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	264433	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	117500	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	72042	34.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.08%
7) Chloroethane-d5	1.68	69	67290	40.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.40%
11) 1,1-Dichloroethene-d2	2.27	63	115379	29.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.22%#
21) 2-Butanone-d5	4.18	46	169150	97.31	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.31%
24) Chloroform-d	4.65	84	196751	44.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.98%
26) 1,2-Dichloroethane-d4	5.31	65	136125	45.57	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.14%
32) Benzene-d6	5.35	84	368929	44.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.86%
36) 1,2-Dichloropropane-d6	6.33	67	125228	47.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.26%
41) Toluene-d8	7.57	98	332682	42.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.70%
43) trans-1,3-Dichloropropene-	7.85	79	60785	45.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.82%
47) 2-Hexanone-d5	8.31	63	118383	98.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.10%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	181546	46.73	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.46%
64) 1,2-Dichlorobenzene-d4	11.86	152	138655	47.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.74%

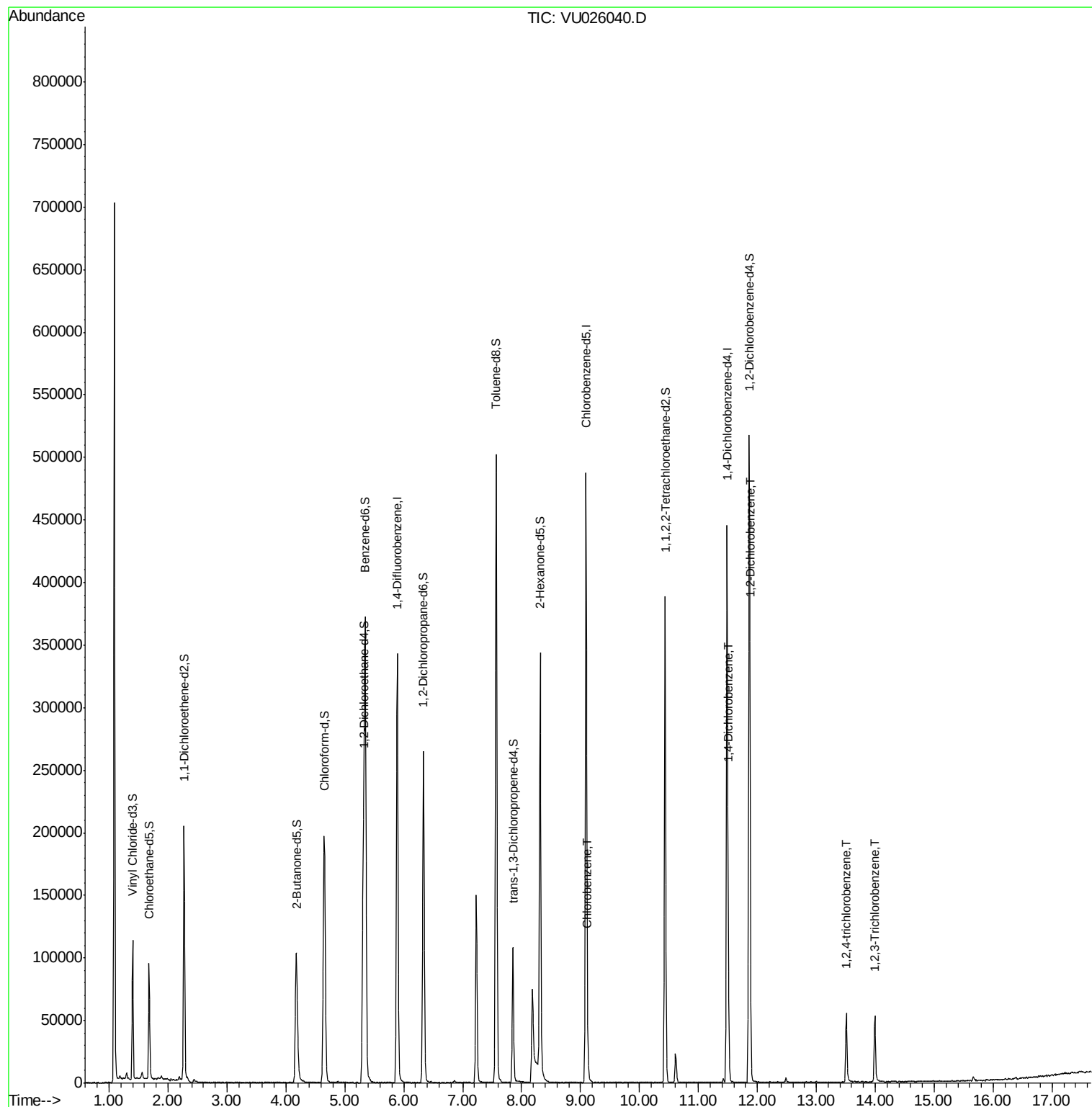
Target Compounds					Ovalue
51) Chlorobenzene	9.12	112	11885	2.20 ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	17659	4.61 ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	15124	3.88 ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	18854	8.16 ug/L	95
70) 1,2,3-Trichlorobenzene	13.99	180	18002	7.24 ug/L	89

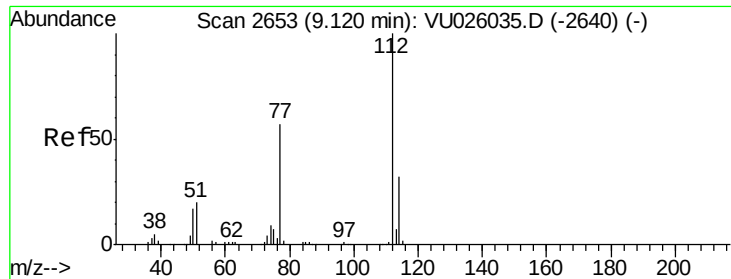
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Sat Aug 11 00:58:27 2018
Response via : Initial Calibration





#51

Chlorobenzene

Concen: 2.20 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. 0.00 min

Lab File: VU026040.D

Acq: 10 Aug 2018 13:54

Instrument :

MSVOA_U

ClientSampleId :

A4ZE3

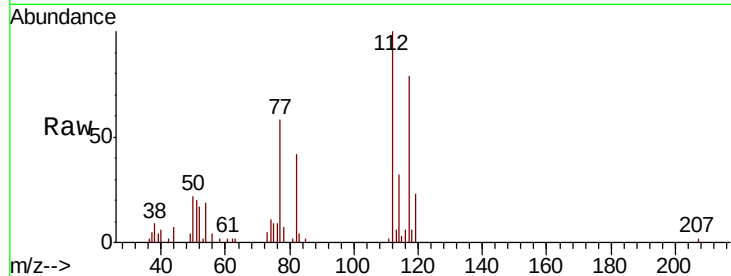
Tot Ion:112 Resp: 11885

Ion Ratio Lower Upper

112 100

114 32.1 22.7 42.3

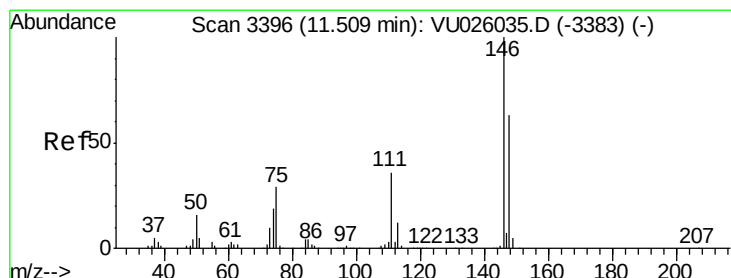
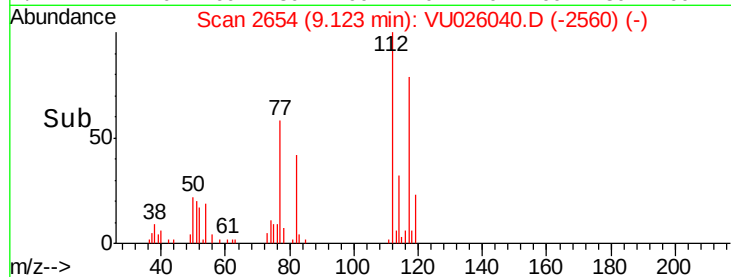
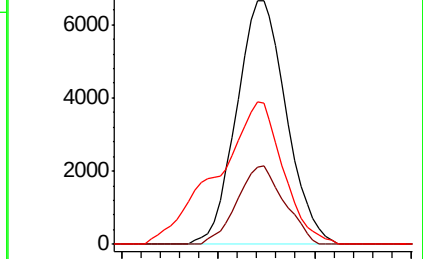
77 58.1 45.2 67.8



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): VU



#63

1,4-Dichlorobenzene

Concen: 4.61 ug/L

RT: 11.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VU026040.D

Acq: 10 Aug 2018 13:54

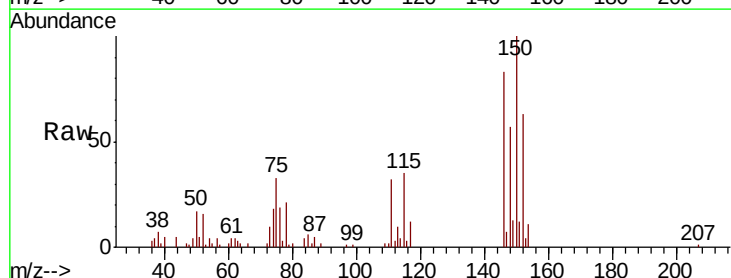
Tgt Ion:146 Resp: 17659

Ion Ratio Lower Upper

146 100

111 38.6 26.4 49.0

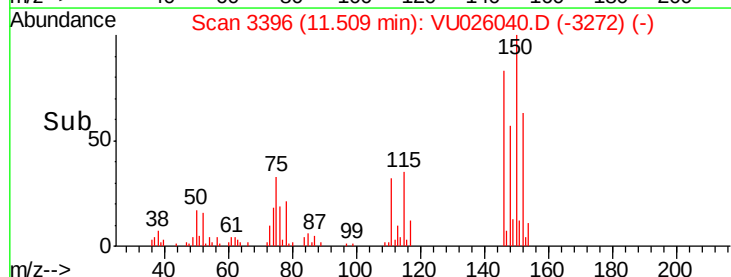
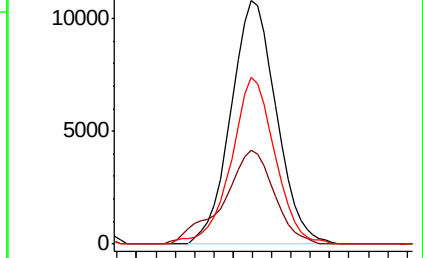
148 68.3 43.8 81.4

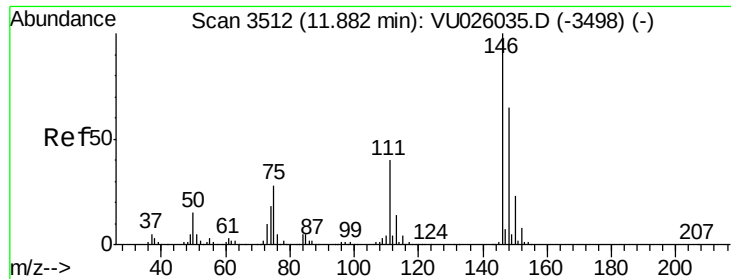


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

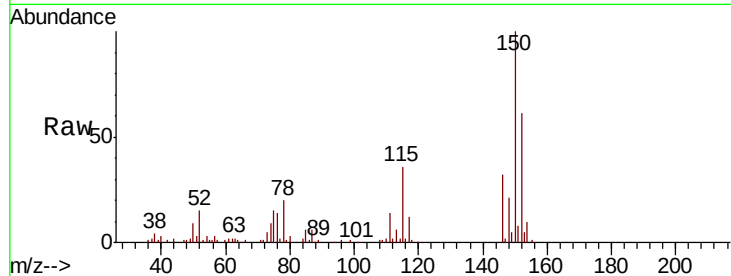




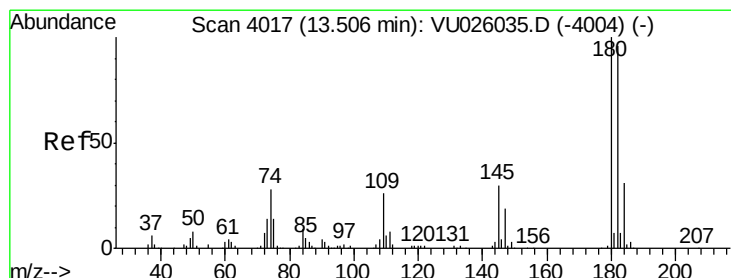
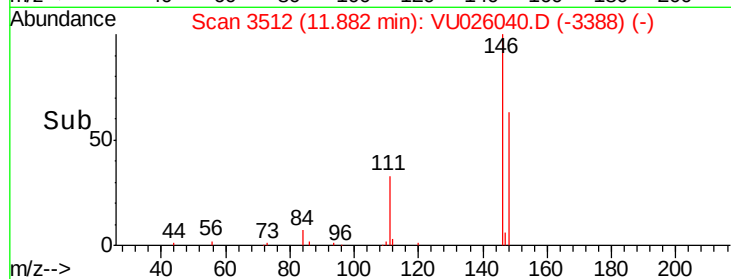
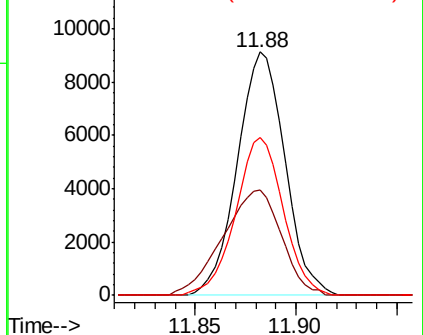
#65
 1,2-Dichlorobenzene
 Concen: 3.88 ug/L
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026040.D
 Acq: 10 Aug 2018 13:54

Instrument :
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 A4ZE3

Tot Ion:146 Resp: 15124
 Ion Ratio Lower Upper
 146 100
 111 43.1 32.4 48.6
 148 64.7 50.1 75.1

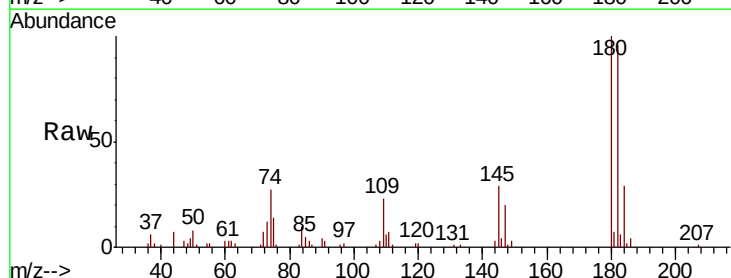


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

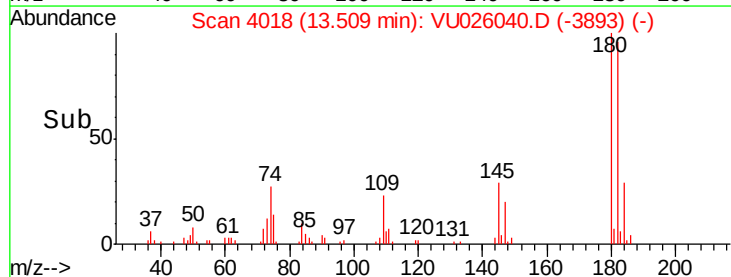
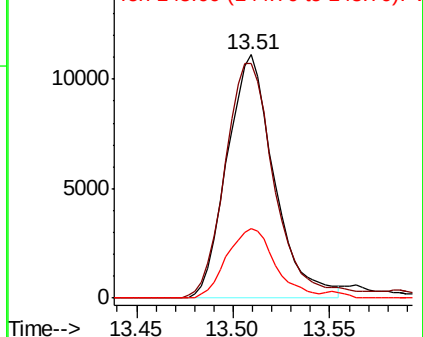


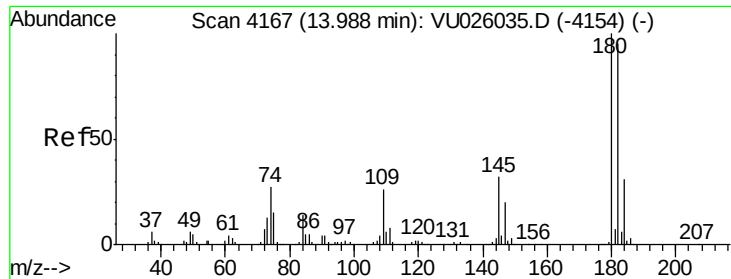
#68
 1,2,4-trichlorobenzene
 Concen: 8.16 ug/L
 RT: 13.51 min Scan# 4018
 Delta R.T. 0.00 min
 Lab File: VU026040.D
 Acq: 10 Aug 2018 13:54

Tgt Ion:180 Resp: 18854
 Ion Ratio Lower Upper
 180 100
 182 101.9 76.5 114.7
 145 29.3 24.2 36.4



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

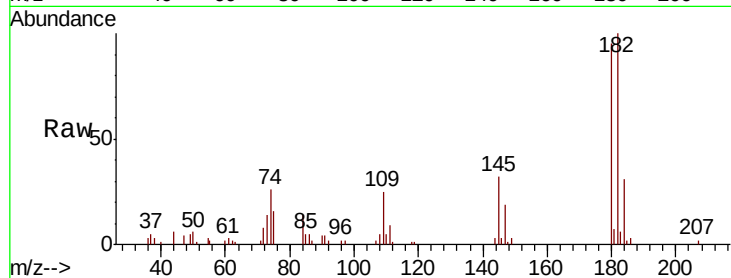




#70
 1,2,3-Trichlorobenzene
 Concen: 7.24 ug/L
 RT: 13.99 min Scan# 4168
 Delta R.T. 0.00 min
 Lab File: VU026040.D
 Acq: 10 Aug 2018 13:54

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZE3

Tot Ion	Ratio	Lower	Upper
180	100		
182	108.4	76.5	114.7
145	33.5	24.7	37.1



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

