

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081418\
 Data File : VU026098.D
 Acq On : 14 Aug 2018 13:52
 Operator : MD/SY
 Sample : J4451-02DL 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZJ4DL

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 11:41:32 AM

8/16/2018 11:41:32 AM

Quant Time: Aug 15 18:43:18 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	269082	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	248225	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	110379	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	79216	40.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.54%
7) Chloroethane-d5	1.68	69	71181	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.30%
11) 1,1-Dichloroethene-d2	2.27	63	124163	33.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.44%
21) 2-Butanone-d5	4.18	46	153416	93.59	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.59%
24) Chloroform-d	4.65	84	194864	46.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.44%
26) 1,2-Dichloroethane-d4	5.31	65	132691	47.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.20%
32) Benzene-d6	5.34	84	372864	48.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.74%
36) 1,2-Dichloropropane-d6	6.33	67	122140	48.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.94%
41) Toluene-d8	7.57	98	334829	45.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.85	79	58758	46.76	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.52%
47) 2-Hexanone-d5	8.31	63	103719	91.56	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.56%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	174051	47.72	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.44%
64) 1,2-Dichlorobenzene-d4	11.86	152	137251	50.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.88%

Target Compounds

						Ovalue
51) Chlorobenzene	9.12	112	251786	49.76	ug/L	100
63) 1,4-Dichlorobenzene	11.51	146	41349	11.48	ug/L	100
65) 1,2-Dichlorobenzene	11.88	146	69700	19.06	ug/L	98
68) 1,2,4-trichlorobenzene	13.51	180	11591m	5.34	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	5453m	2.34	ug/L	

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

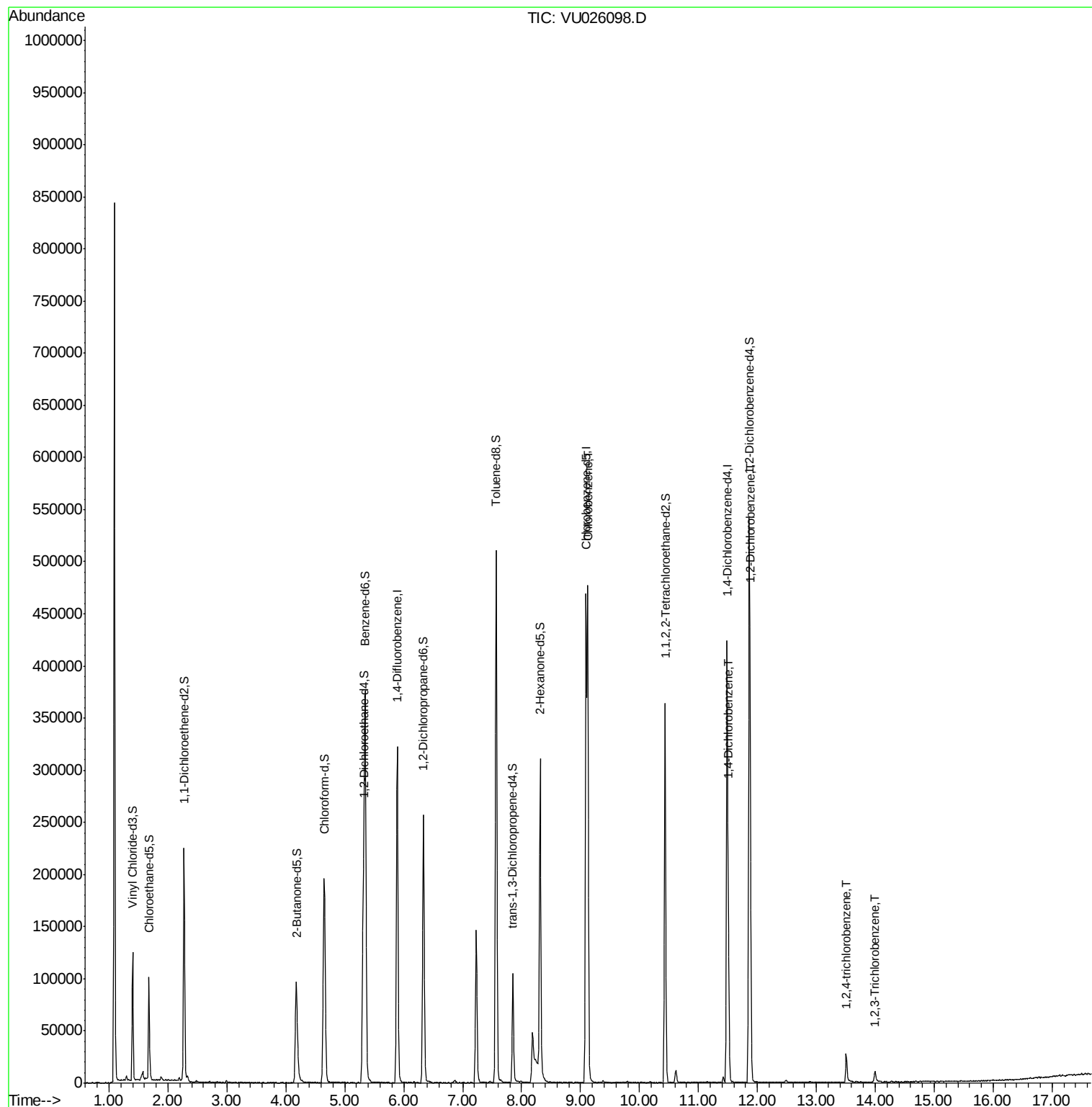
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU081418\
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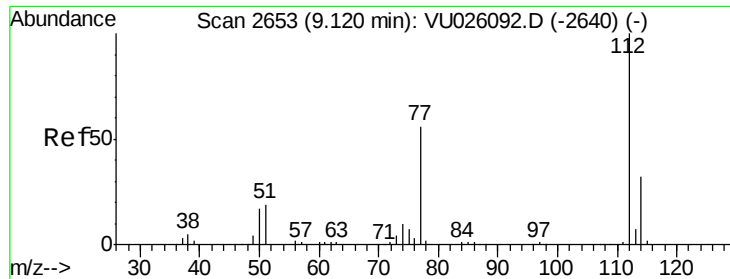
Instrument :
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Quant Title : VOC Analysis
QLast Update : Sat Aug 11 00:58:27 2018
Response via : Initial Calibration





#51
Chlorobenzene
Concen: 49.76 ug/L
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026098.D
Acq: 14 Aug 2018 13:52

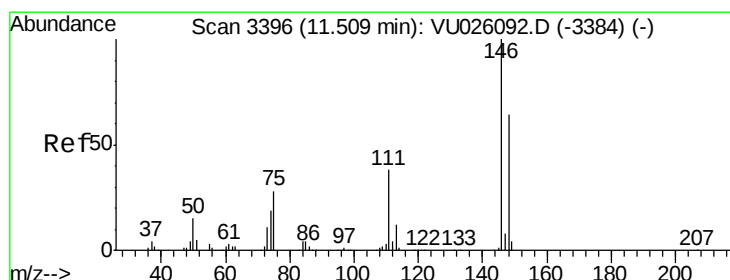
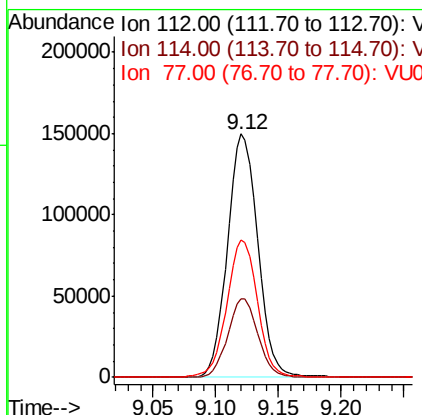
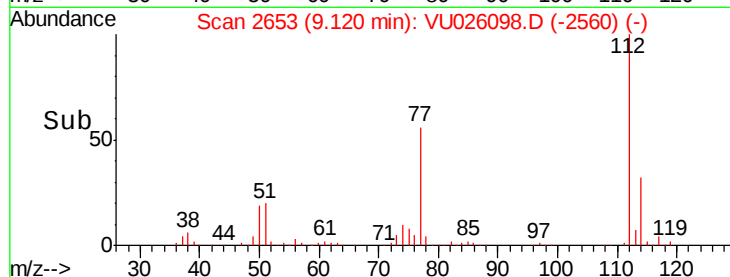
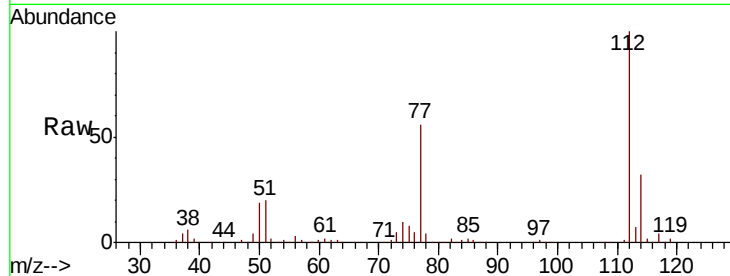
Instrument :
MSVOA_U
ClientSampleId :
A4ZJ4DL

Tot Ion	Ratio	Resp	Lower	Upper
112	100	251786		
114	32.4	22.7	42.3	
77	56.5	45.2	67.8	

Manual Integrations
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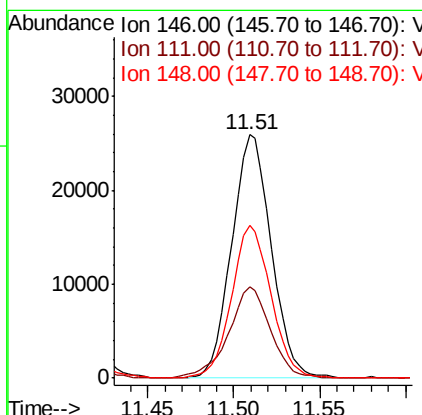
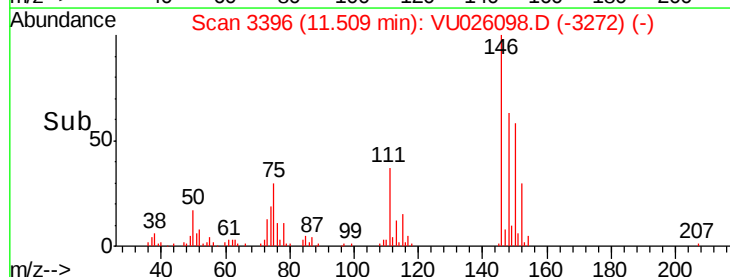
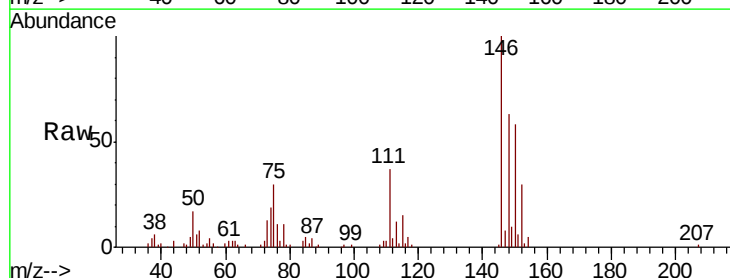
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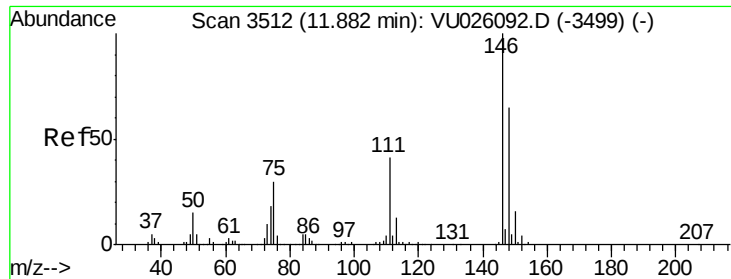
8/16/2018 11:41:32 AM



#63
1,4-Dichlorobenzene
Concen: 11.48 ug/L
RT: 11.51 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VU026098.D
Acq: 14 Aug 2018 13:52

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	41349		
111	37.3	26.4	49.0	
148	62.8	43.8	81.4	





#65

1,2-Dichlorobenzene

Concen: 19.06 ug/L

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026098.D

Acq: 14 Aug 2018 13:52

Instrument :

MSVOA_U

ClientSampleId :

A4ZJ4DL

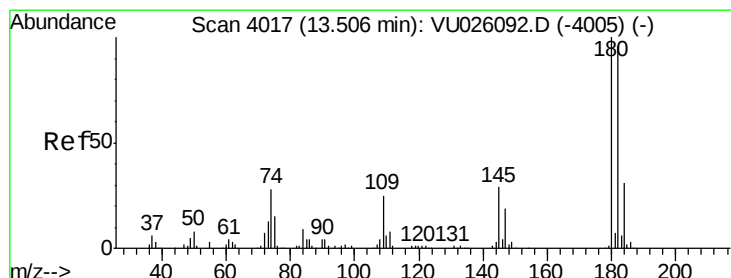
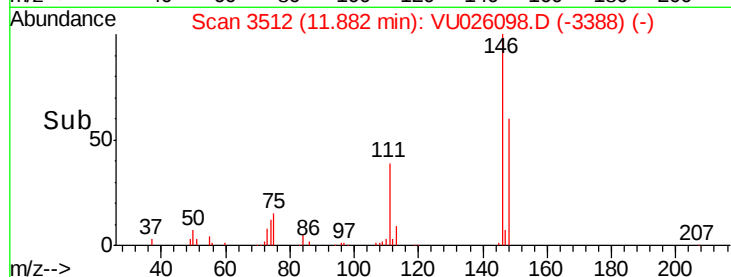
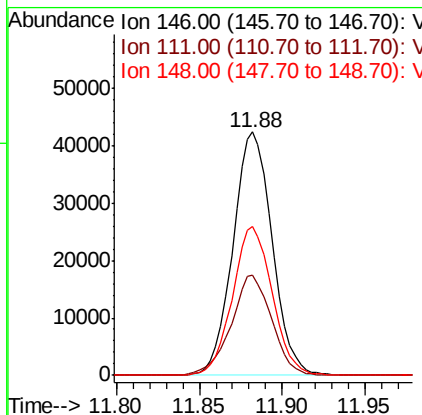
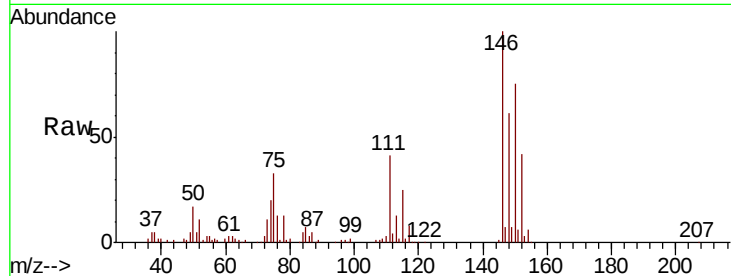
Tot Ion:	146	Resp:	69700
Ion Ratio	Lower	Upper	
146	100		
111	41.3	32.4	48.6
148	60.9	50.1	75.1

Manual Integrations
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#68

1,2,4-trichlorobenzene

Concen: 5.34 ug/L m

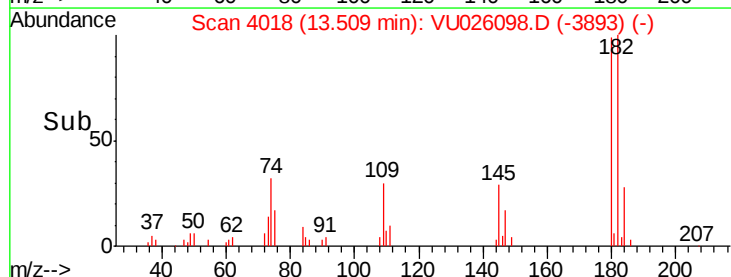
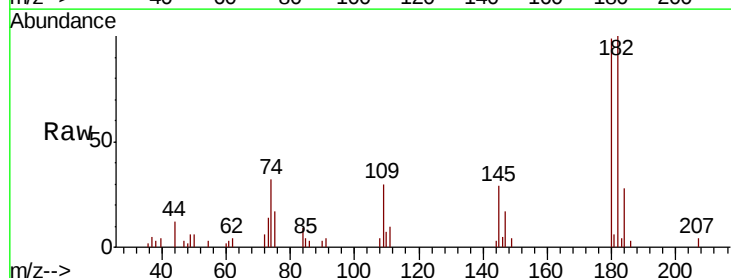
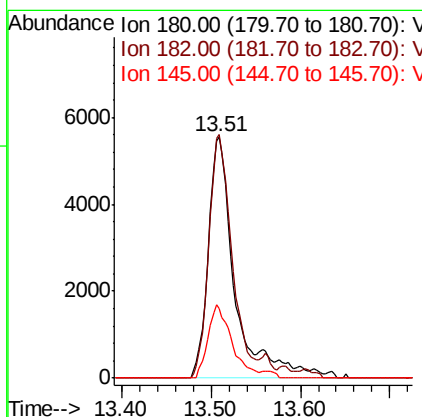
RT: 13.51 min Scan# 4018

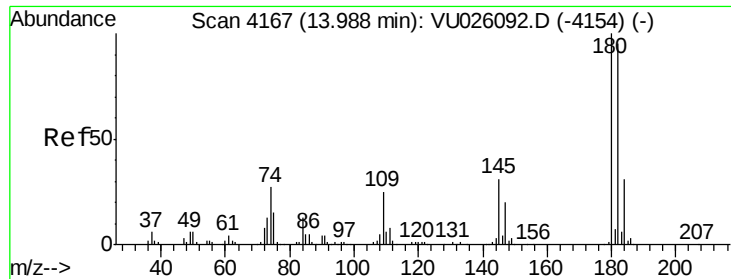
Delta R.T. 0.00 min

Lab File: VU026098.D

Acq: 14 Aug 2018 13:52

Tgt Ion:	180	Resp:	11591
Ion Ratio	Lower	Upper	
180	100		
182	88.0	76.5	114.7
145	26.9	24.2	36.4





#70
 1,2,3-Trichlorobenzene
 Concen: 2.34 ug/L m
 RT: 13.99 min Scan# 4169
 Delta R.T. 0.01 min
 Lab File: VU026098.D
 Acq: 14 Aug 2018 13:52

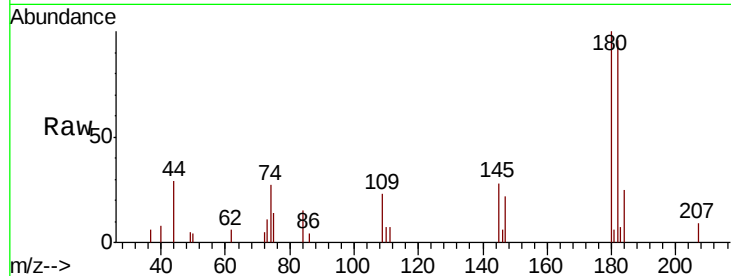
Instrument :
 MSVOA_U
 ClientSampleId :
 A4ZJ4DL

Tot Ion:	180	Resp:	5453
Ion Ratio	Lower	Upper	
180	100		
182	94.5	76.5	114.7
145	25.0	24.7	37.1

Manual Integrations
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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

