

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043019\
 Data File : VU031651.D
 Acq On : 30 Apr 2019 21:55
 Operator : JC/SP
 Sample : K2593-18 200X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XE0

Manual Integrations
 APPROVED

MMDadoda
 5/1/2019 11:17:00 AM

Quant Time: May 01 04:39:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 01 01:38:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	685588	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	664895	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	229558	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	301869	52.61	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	105.22%
7) Chloroethane-d5	1.68	69	223931	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.00%
11) 1,1-Dichloroethene-d2	2.27	63	451316	39.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.00%
21) 2-Butanone-d5	4.19	46	531978	102.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	102.33%
24) Chloroform-d	4.64	84	515085	49.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.04%
26) 1,2-Dichloroethane-d4	5.31	65	359356	52.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.68%
32) Benzene-d6	5.33	84	992186	48.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.20%
36) 1,2-Dichloropropane-d6	6.32	67	362717	50.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.00%
41) Toluene-d8	7.56	98	803918	45.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.42%
43) trans-1,3-Dichloropropene-	7.85	79	137874	44.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.42%
47) 2-Hexanone-d5	8.31	63	289420	93.09	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.09%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	447080	46.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.76%
64) 1,2-Dichlorobenzene-d4	11.86	152	231913	48.04	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Trichlorofluoromethane	1.88	101	127826	13.149	ug/L	98
20) cis-1,2-Dichloroethene	4.22	96	9084m	1.519	ug/L	
34) Trichloroethene	6.18	95	9345779	1577.167	ug/L	93
42) Toluene	7.64	91	44279	1.818	ug/L	98
46) Tetrachloroethene	8.22	164	93220	23.076	ug/L	98

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

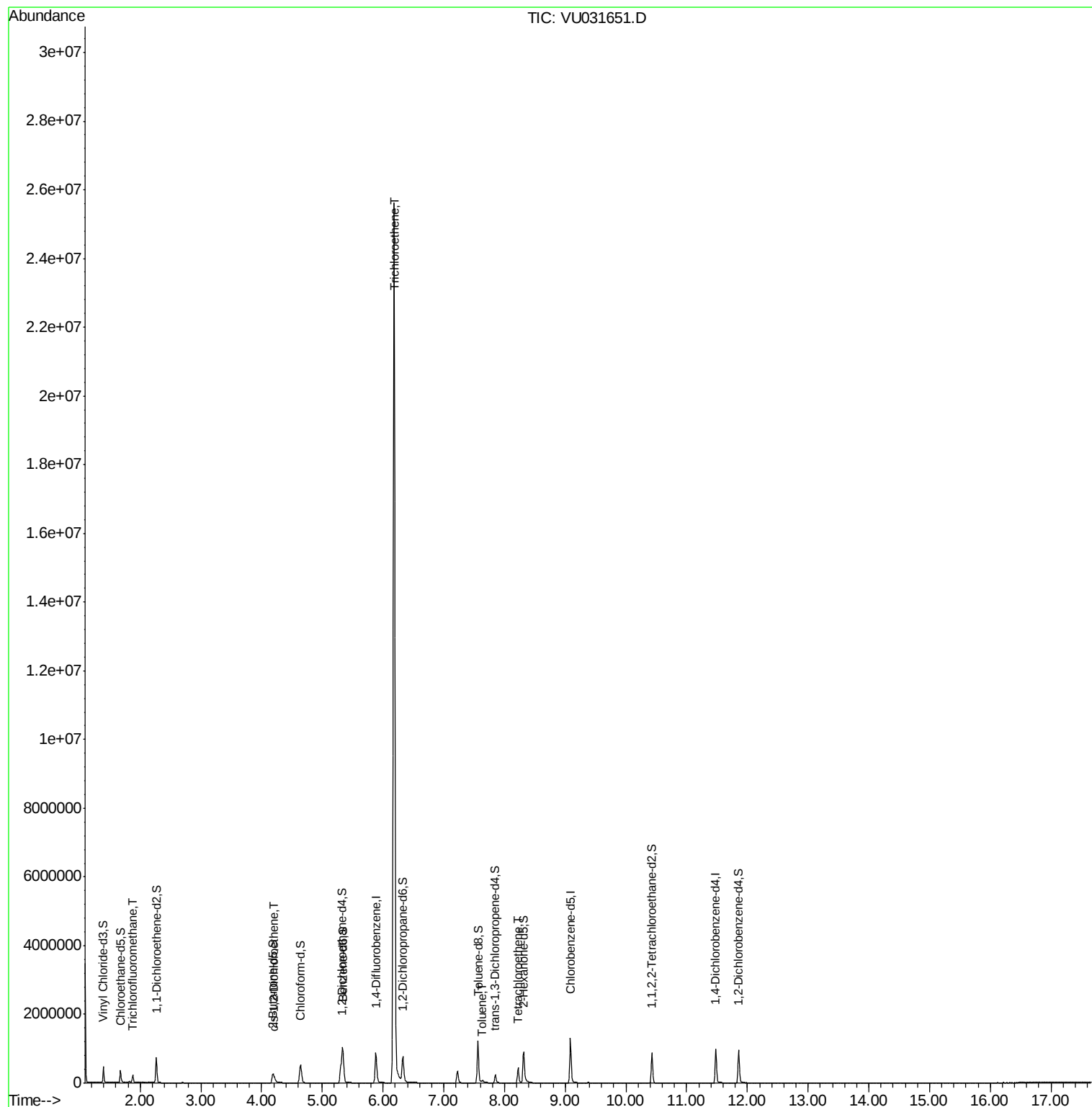
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043019\
Data File : VU031651.D
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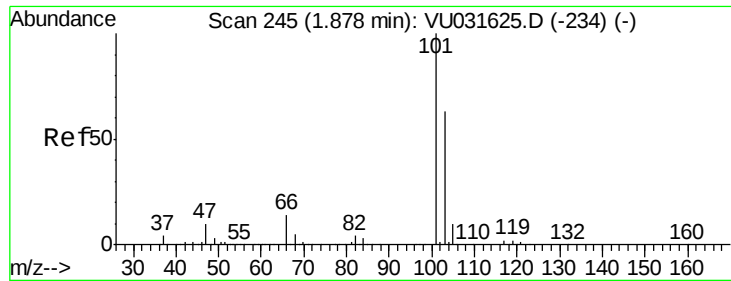
Instrument :
MSVOA_U
ClientSampleId :
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Response via : Initial Calibration





#9

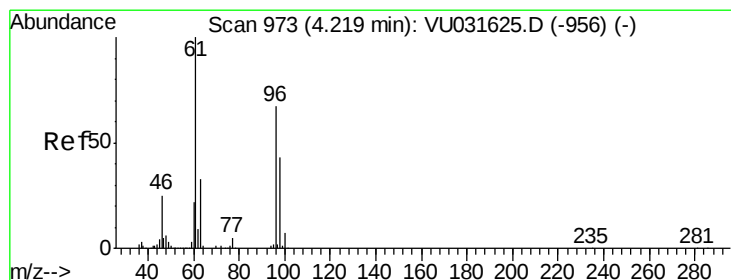
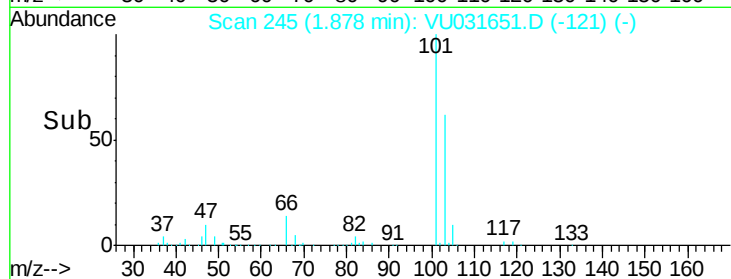
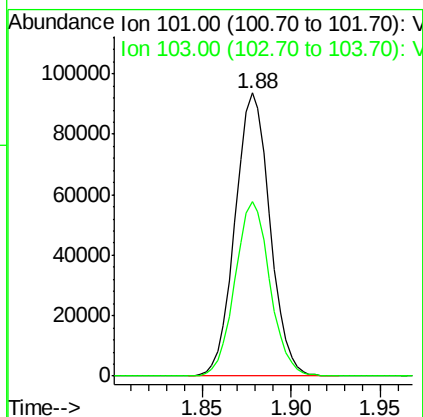
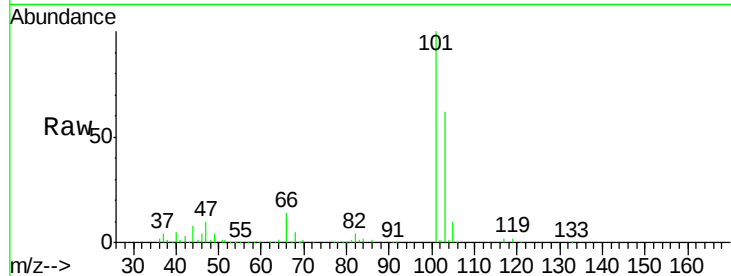
Trichlorofluoromethane
Concen: 13.149 ug/L
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU031651.D
Acq: 30 Apr 2019 21:55

Instrument :
MSVOA_U
ClientSampled :
C0XE0

Tot Ion	Ratio	Resp	Lower	Upper
101	100	127826		
103	61.9	50.8	76.2	

Manual Integrations
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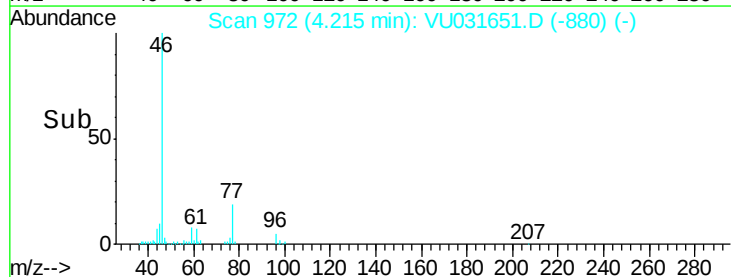
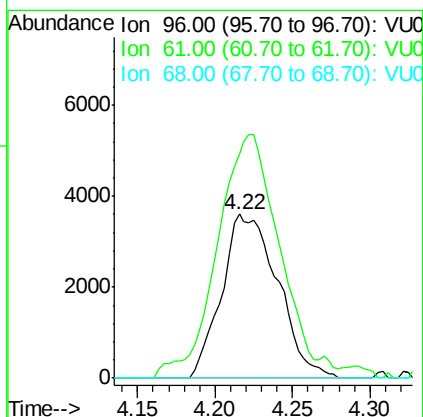
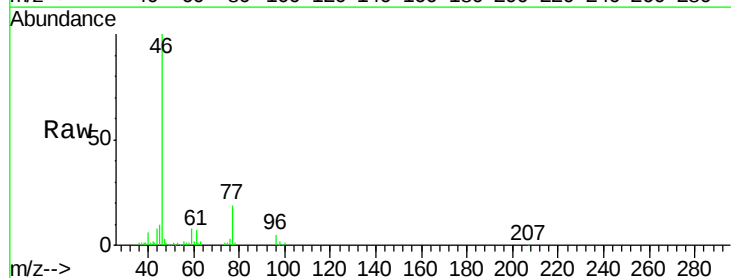
MMDadoda
5/1/2019 11:17:00 AM

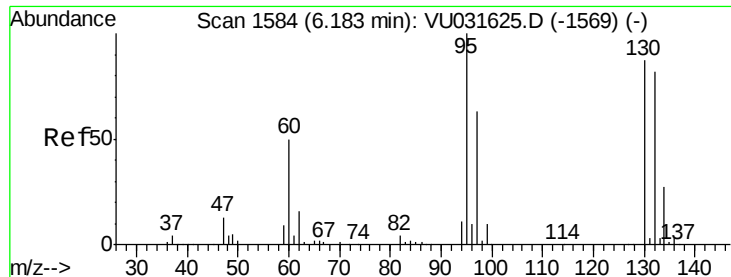


#20

cis-1,2-Dichloroethene
Concen: 1.519 ug/L m
RT: 4.22 min Scan# 972
Delta R.T. -0.00 min
Lab File: VU031651.D
Acq: 30 Apr 2019 21:55

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	9084		
61	137.1	99.5	184.7	
68	0.0	0.0	0.0	





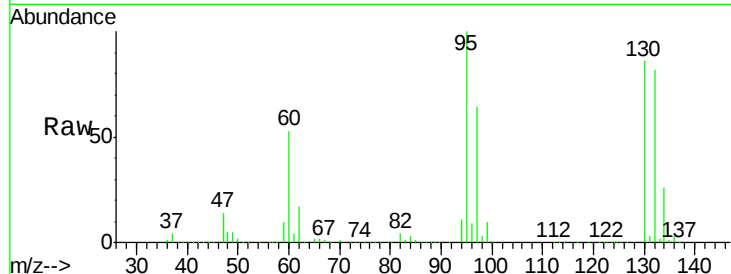
#34
 Trichloroethene
 Concen: 1577.167 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VU031651.D
 Acq: 30 Apr 2019 21:55

Instrument :
 MSVOA_U
 ClientSampleId :
 C0XE0

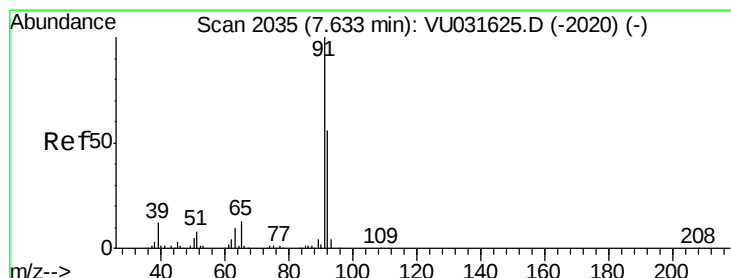
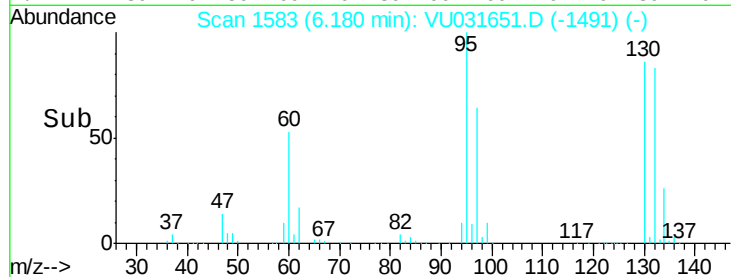
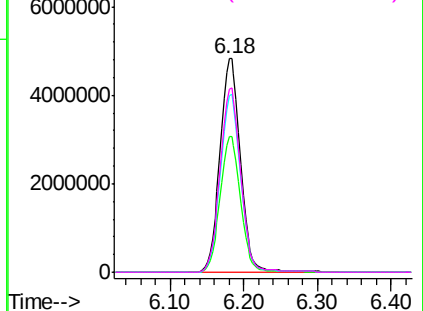
Tot Ion: 95 Resp: 9345779
 Ion Ratio Lower Upper
 95 100
 97 63.7 44.8 83.2
 132 82.4 63.1 117.1
 130 85.8 66.5 123.5

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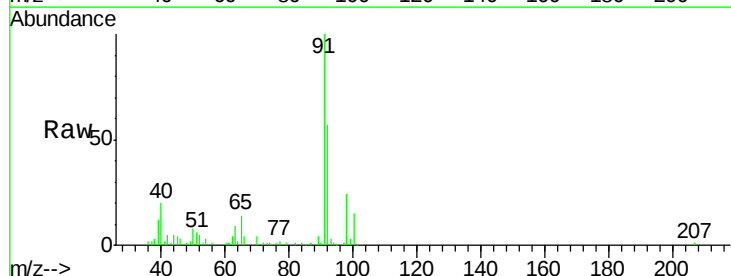


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

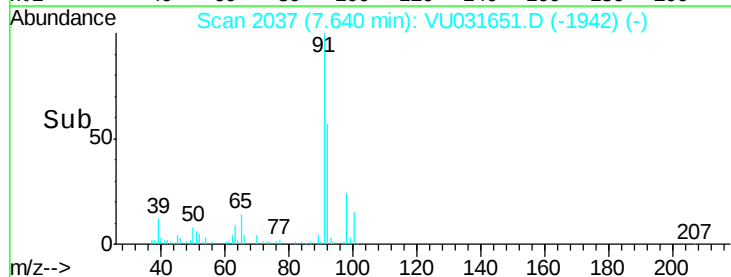
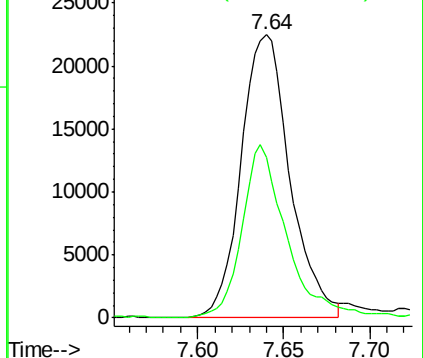


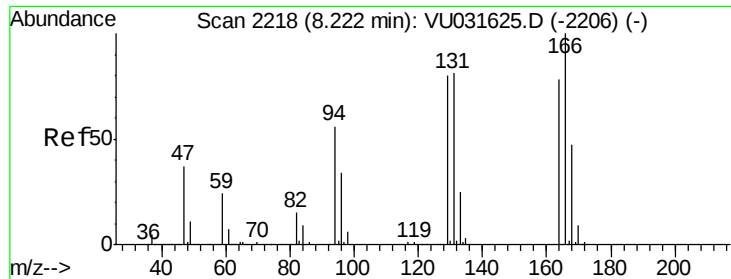
#42
 Toluene
 Concen: 1.818 ug/L
 RT: 7.64 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VU031651.D
 Acq: 30 Apr 2019 21:55

Tgt Ion: 91 Resp: 44279
 Ion Ratio Lower Upper
 91 100
 92 56.8 39.0 72.4



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0





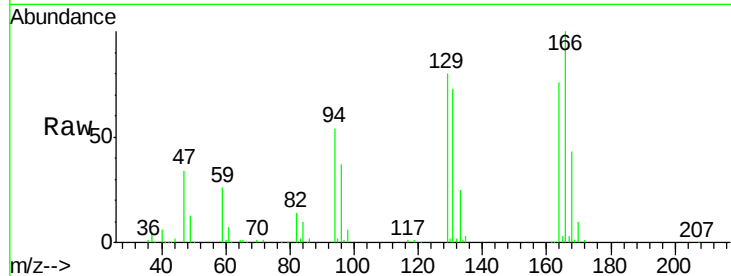
#46
Tetrachloroethene
Concen: 23.076 ug/L
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VU031651.D
Acq: 30 Apr 2019 21:55

Instrument :
MSVOA_U
ClientSampleId :
C0XE0

Tot Ion	Ratio	Lower	Upper
164	100		
129	106.2	71.5	132.9
131	96.7	69.0	128.2
166	132.4	93.7	173.9

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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

