Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051419\

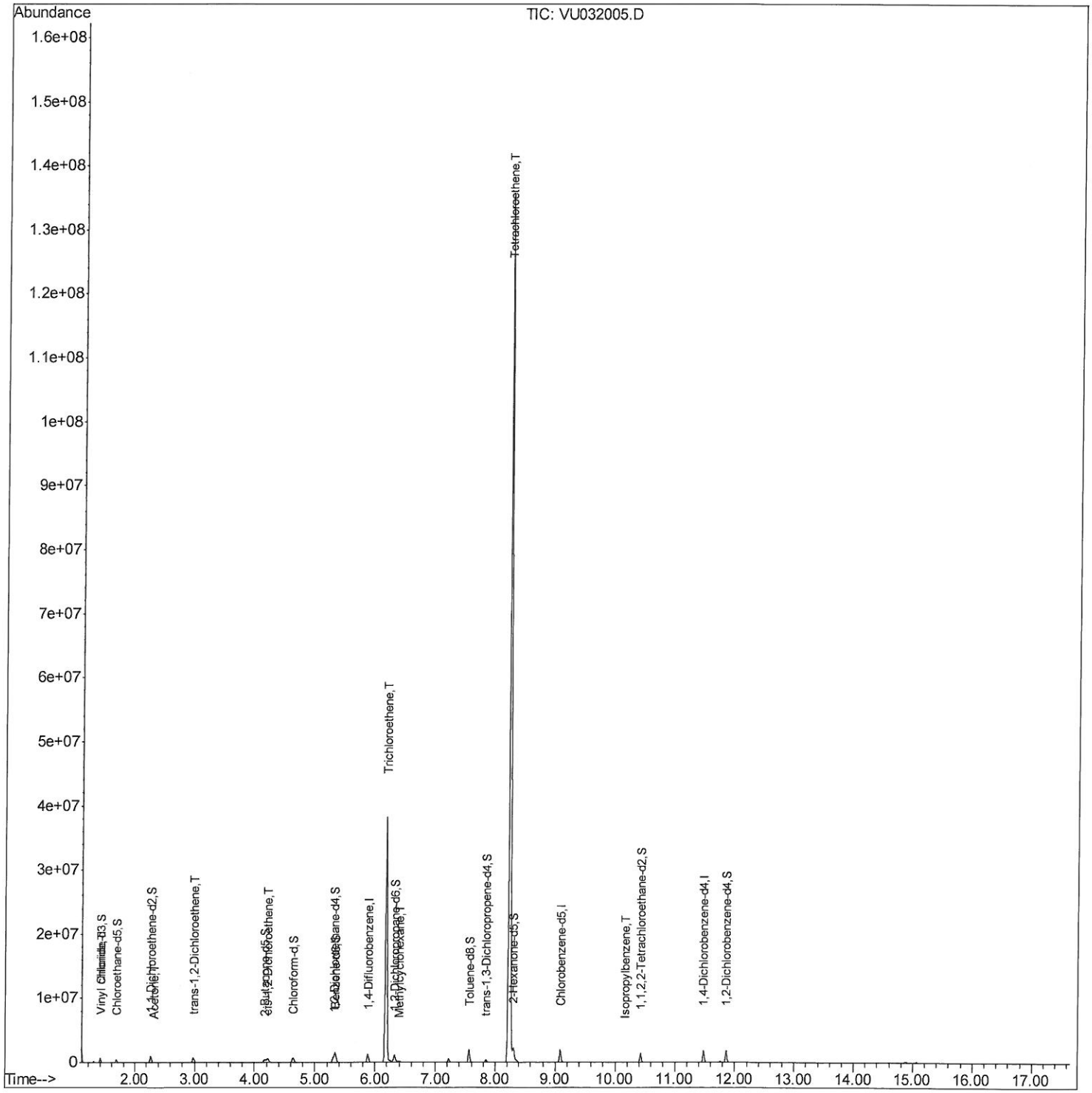
Quantitation Report (QT Reviewed)

Data File : VU032005.D
Acq On : 14 May 2019 19:24
Operator : JC/SP
Sample : K2738-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 15 05:35:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 04:26:34 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
DB890

Manual Integrations APPROVED
MMDadoda
5/15/2019 10:13:56 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051419\

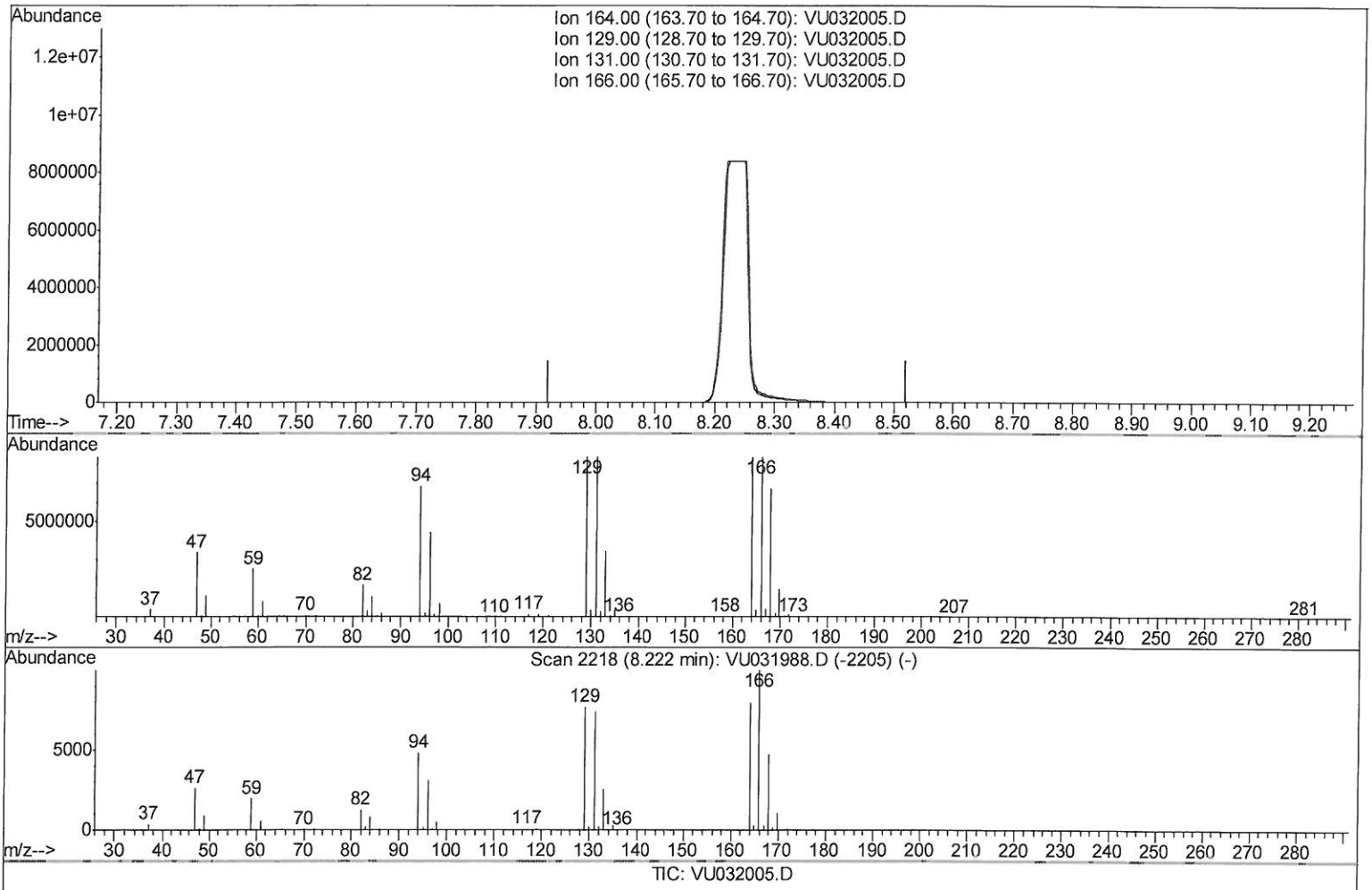
Quantitation Report (Qedit)

Data File : VU032005.D
Acq On : 14 May 2019 19:24
Operator : JC/SP
Sample : K2738-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 15 04:31:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 04:26:34 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
DB890

Manual Integrations APPROVED
MMDadoda
5/15/2019 10:13:56 AM



TIC: VU032005.D

(46) Tetrachloroethene (T)

8.222min (-8.222) 0.00ug/L

response 0

Ion	Exp%	Act%
164.00	100	0.00
129.00	101.30	0.00#
131.00	96.30	0.00#
166.00	128.80	0.00#

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051419\

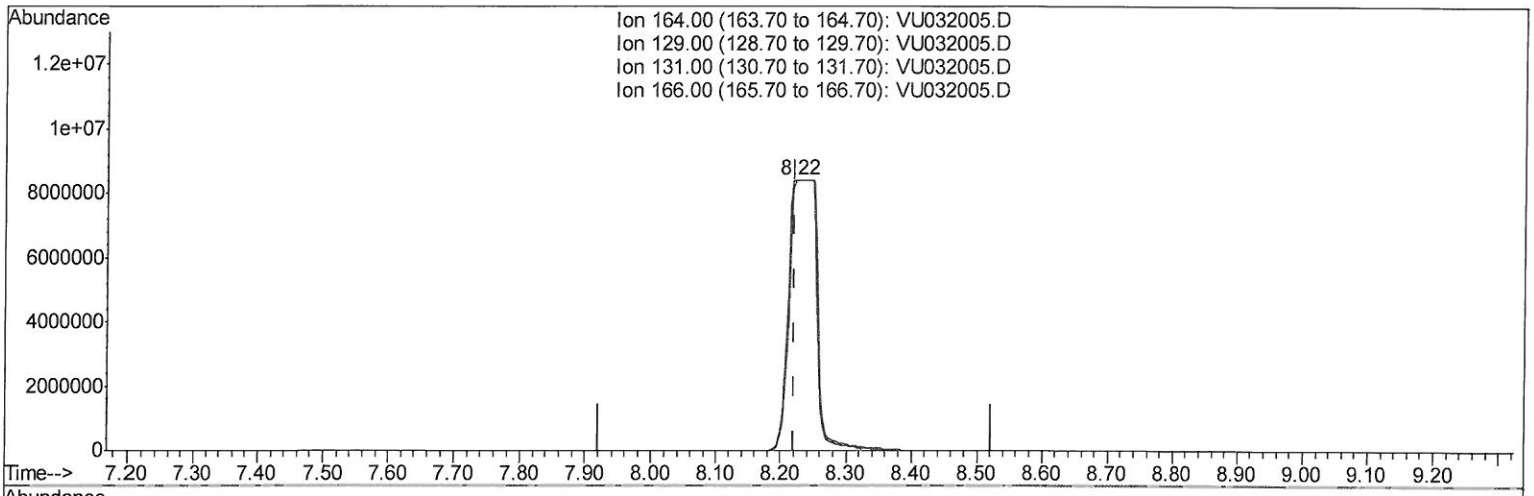
Quantitation Report (Qedit)

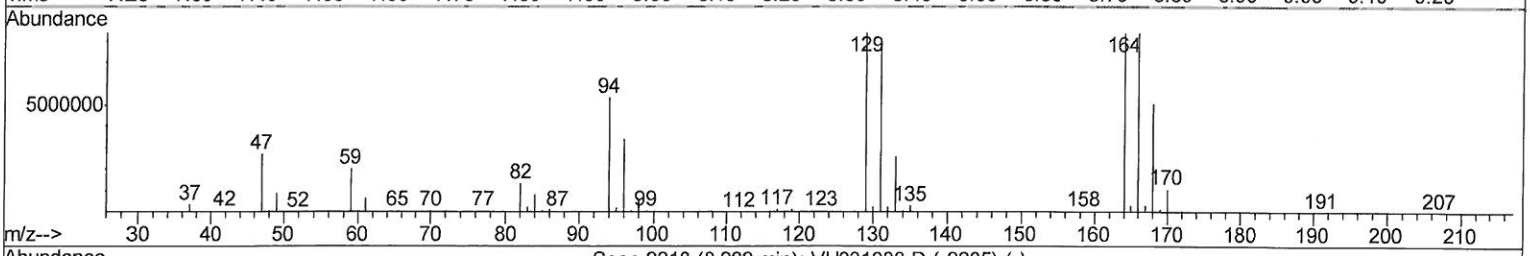
Data File : VU032005.D
Acq On : 14 May 2019 19:24
Operator : JC/SP
Sample : K2738-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

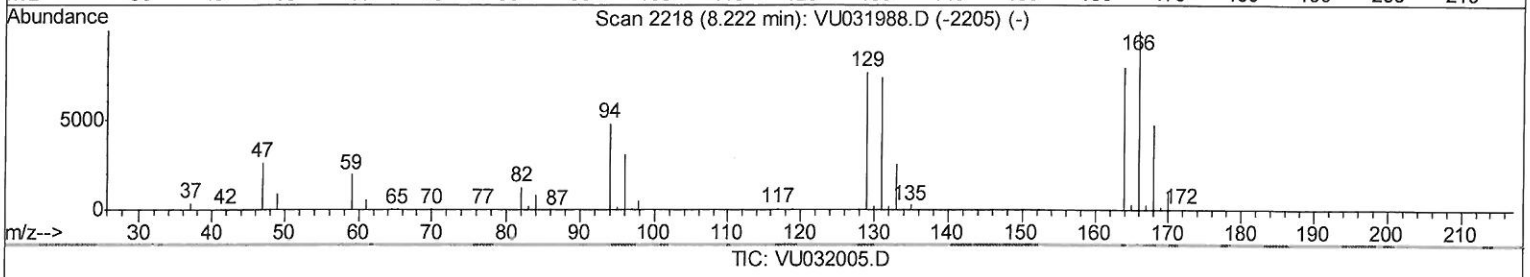
Quant Time: May 15 04:31:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 04:26:34 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : DB890

Manual Integrations APPROVED
MMDadoda
5/15/2019 10:13:56 AM







TIC: VU032005.D

(46) Tetrachloroethene (T)

8.218min (-0.003) 3564.27ug/L m

response 23729700

Ion	Exp%	Act%
164.00	100	100
129.00	101.30	100.00
131.00	96.30	96.75
166.00	128.80	100.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051419\

Quantitation Report (QT Reviewed)

Data File : VU032005.D
Acq On : 14 May 2019 19:24
Operator : JC/SP
Sample : K2738-07
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: May 15 05:35:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM051419WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 15 04:26:34 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : DB890

Manual Integrations APPROVED
MMDadoda
5/15/2019 10:13:56 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	1140761	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	1162444	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	485218	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	409620	40.92	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 81.84%			
7) Chloroethane-d5	1.67	69	348048	42.94	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 85.88%			
11) 1,1-Dichloroethene-d2	2.27	63	581955	32.43	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 64.86%			
21) 2-Butanone-d5	4.17	46	649209	92.62	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 92.62%			
24) Chloroform-d	4.64	84	725415	43.29	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 86.58%			
26) 1,2-Dichloroethane-d4	5.31	65	471580	44.68	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 89.36%			
32) Benzene-d6	5.34	84	1536694	45.66	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 91.32%			
36) 1,2-Dichloropropane-d6	6.32	67	512200	46.13	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 92.26%			
41) Toluene-d8	7.56	98	1403318	46.54	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 93.08%			
43) trans-1,3-Dichloropropene-	7.85	79	217943	44.49	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 88.98%			
47) 2-Hexanone-d5	8.31	63	476365	105.79	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 105.79%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	720939	43.87	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 87.74%			
64) 1,2-Dichlorobenzene-d4	11.85	152	493633	48.35	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 96.70%			

Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	43105	3.508	ug/L #	1
13) Acetone	2.32	43	21370	2.965	ug/L	100
17) trans-1,2-Dichloroethene	2.98	96	294547	33.607	ug/L	97
20) cis-1,2-Dichloroethene	4.22	96	297578	30.696	ug/L	99
34) Trichloroethene	6.18	95	13982946	1482.849	ug/L	99
35) Methylcyclohexane	6.41	83	13539	0.936	ug/L	95
46) Tetrachloroethene	8.22	164	23729700m	3564.269	ug/L	
56) Isopropylbenzene	10.17	105	16288	0.422	ug/L	99

5/15/19

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