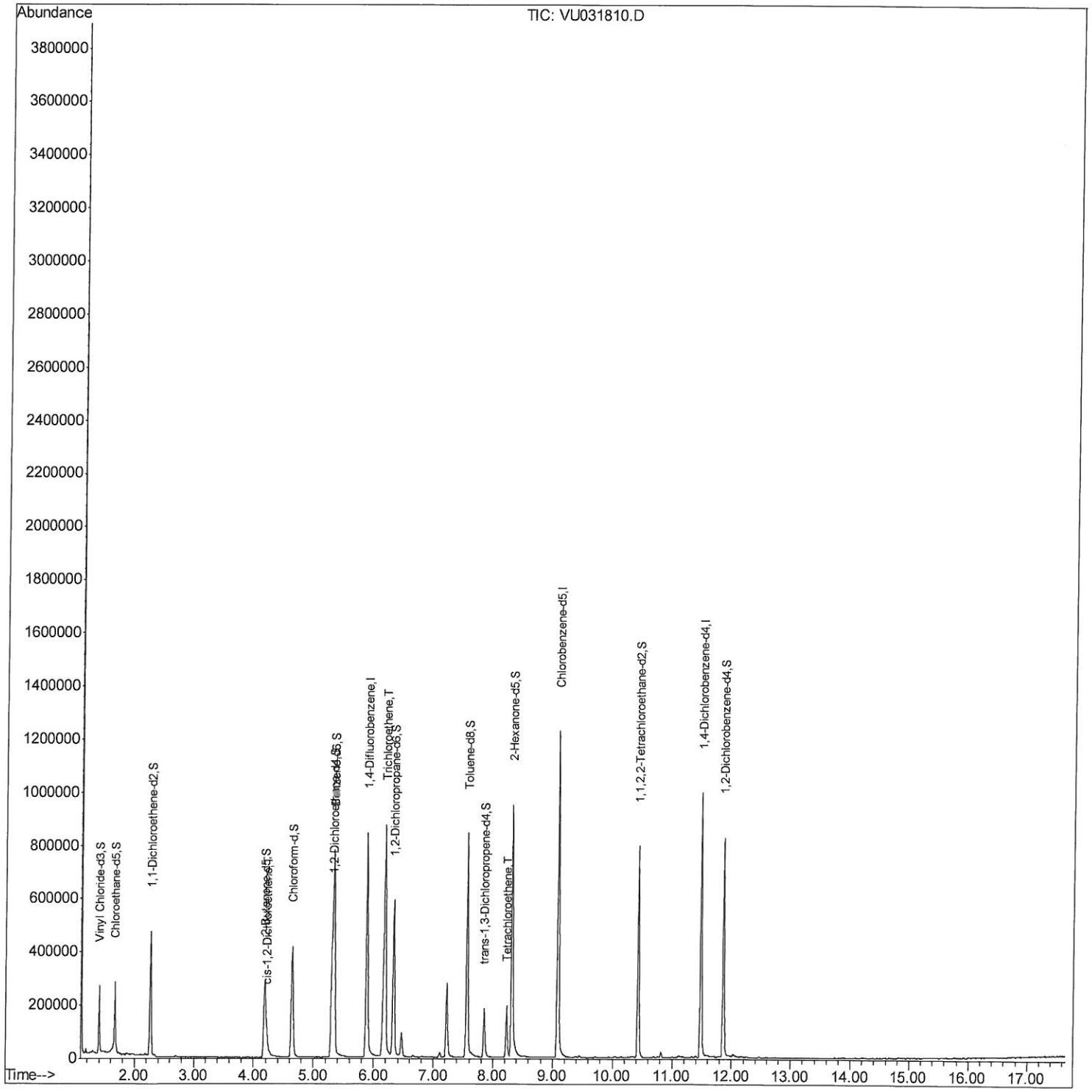
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050719\
Data File : VU031810.D
Acq On : 07 May 2019 17:24
Operator : JC/SP
Sample : K2690-24DL 10X
Misc : 6.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 08 08:45:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 08 06:47:54 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
A5168DL

Manual Integrations APPROVED
MMDadoda
5/8/2019 11:12:26 AM



Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050719\
Data File : VU031810.D
Acq On : 07 May 2019 17:24
Operator : JC/SP
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ALS Vial : 19 Sample Multiplier: 1

Quant Time: May 08 06:52:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 08 06:47:54 2019
Response via : Initial Calibration

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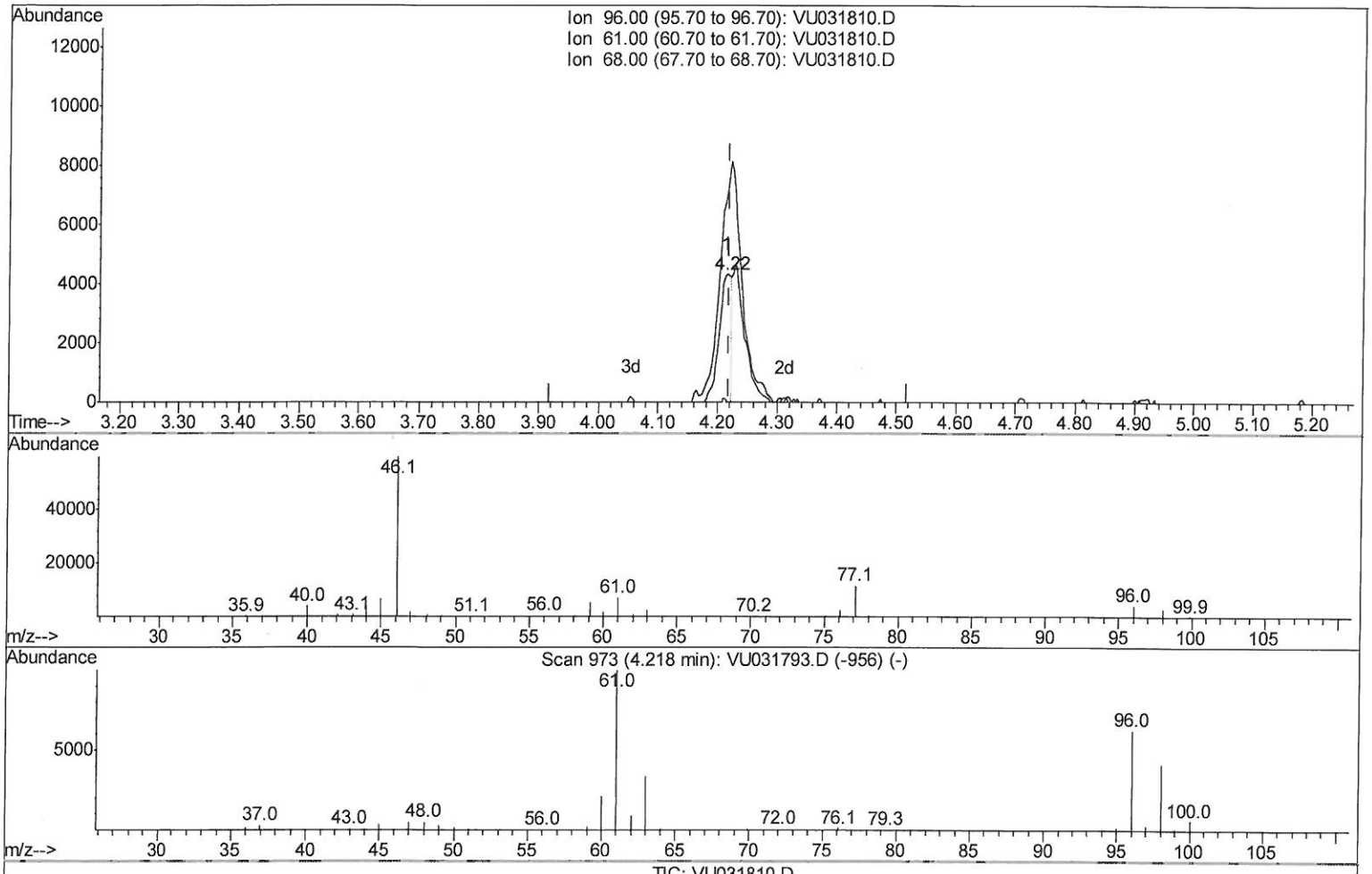
Manual Integrations APPROVED
MMDadoda
5/8/2019 11:12:26 AM



TIC: VU031810.D

(20) cis-1,2-Dichloroethene (T)

4.215min (-0.003) 1.11ug/L

response 6180

Ion	Exp%	Act%
96.00	100	100
61.00	142.10	166.45
68.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050719\
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Quant Title : VOC Analysis
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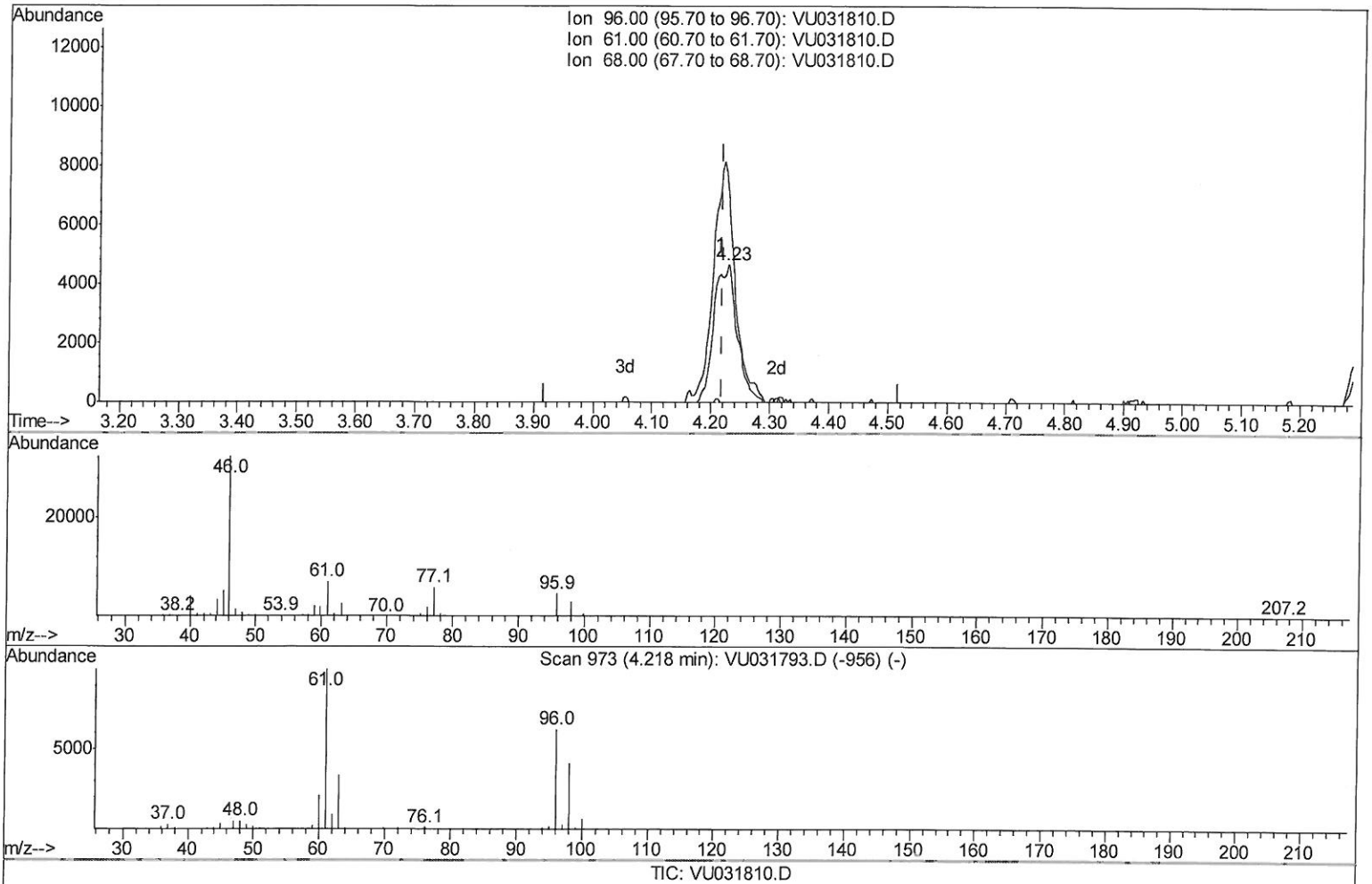
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
A5168DL

Manual Integrations APPROVED
MMDadoda
5/8/2019 11:12:26 AM



TIC: VU031810.D

(20) cis-1,2-Dichloroethene (T)

4.228min (+0.010) 2.29ug/L m

response 12816

Ion	Exp%	Act%
96.00	100	100
61.00	142.10	150.24
68.00	0.00	0.00
0.00	0.00	0.00

7 MD 5/12/19

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU050719\
Data File : VU031810.D
Acq On : 07 May 2019 17:24
Operator : JC/SP
Sample : K2690-24DL 10X
Misc : 6.29g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
A5168DL

Manual Integrations APPROVED
MMDadoda
5/8/2019 11:12:26 AM

Quant Time: May 08 08:45:31 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 08 06:47:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	641170	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	610892	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	228375	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.39	65	174341	32.49	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 64.98%			
7) Chloroethane-d5	1.67	69	146568	35.34	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 70.68%			
11) 1,1-Dichloroethene-d2	2.26	63	280425	26.24	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 52.48%#			
21) 2-Butanone-d5	4.18	46	555569	114.27	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 114.27%			
24) Chloroform-d	4.64	84	403861	41.09	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 82.18%			
26) 1,2-Dichloroethane-d4	5.31	65	302011	47.04	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 94.08%			
32) Benzene-d6	5.34	84	722251	38.50	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 77.00%			
36) 1,2-Dichloropropane-d6	6.32	67	287398	43.55	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 87.10%			
41) Toluene-d8	7.56	98	543327	33.25	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 66.50%#			
43) trans-1,3-Dichloropropene-	7.85	79	108160	38.18	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 76.36%			
47) 2-Hexanone-d5	8.31	63	293739	102.83	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 102.83%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	401509	45.33	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 90.66%			
64) 1,2-Dichlorobenzene-d4	11.86	152	193703	40.33	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 80.66%			
Target Compounds						Qvalue
20) cis-1,2-Dichloroethene	4.23	96	12816m	2.292	ug/L	
34) Trichloroethene	6.18	95	298551	54.836	ug/L	94
46) Tetrachloroethene	8.22	164	40452	10.899	ug/L	95

7 MD 5/12/19

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