Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\

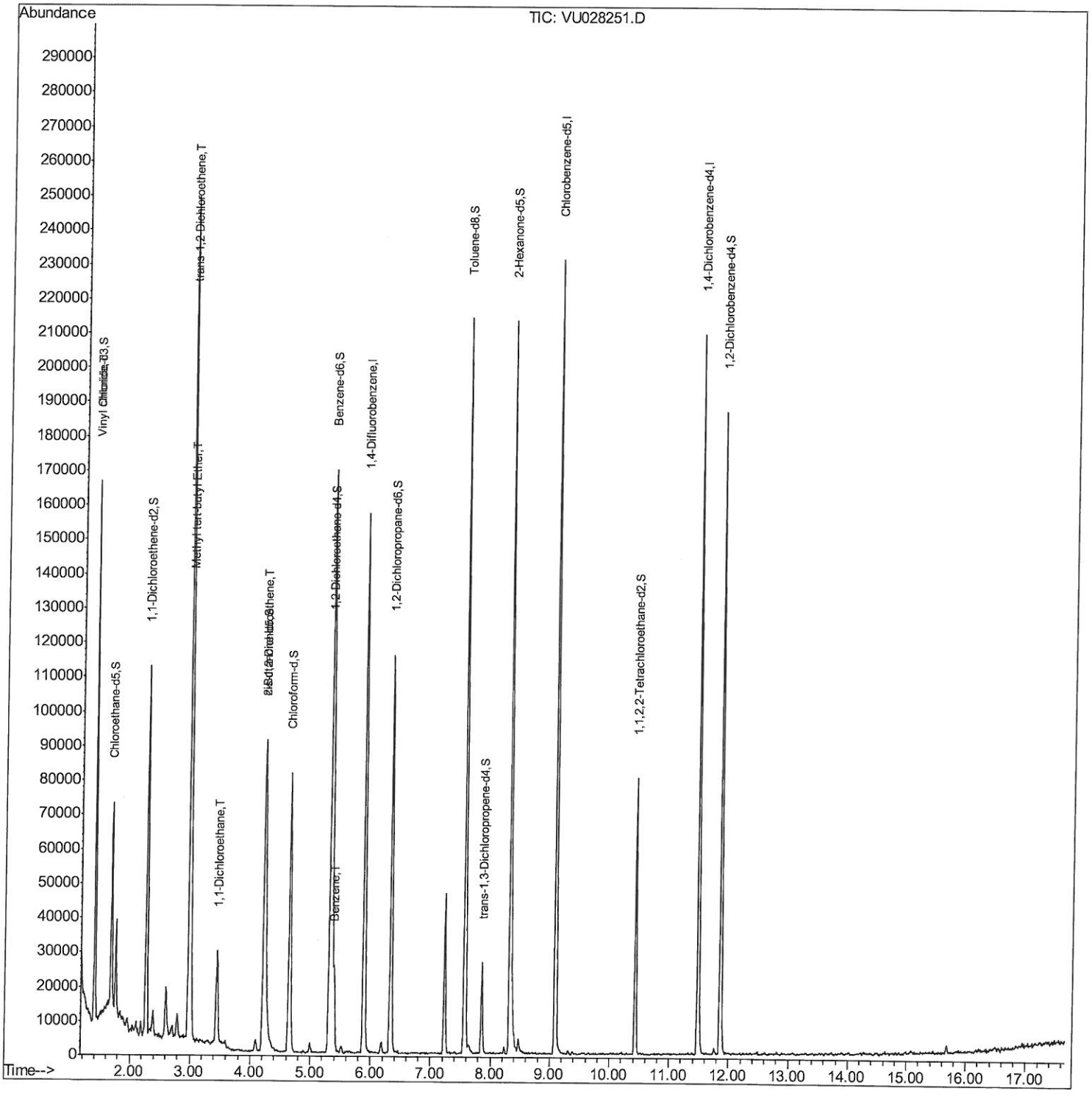
Quantitation Report (QT Reviewed)

Data File : VU028251.D
Acq On : 19 Nov 2018 13:40
Operator : MD/SY
Sample : J5986-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 20 07:44:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
H0FK8

Manual Integrations APPROVED
MMDadoda
11/21/2018 2:55:33 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\

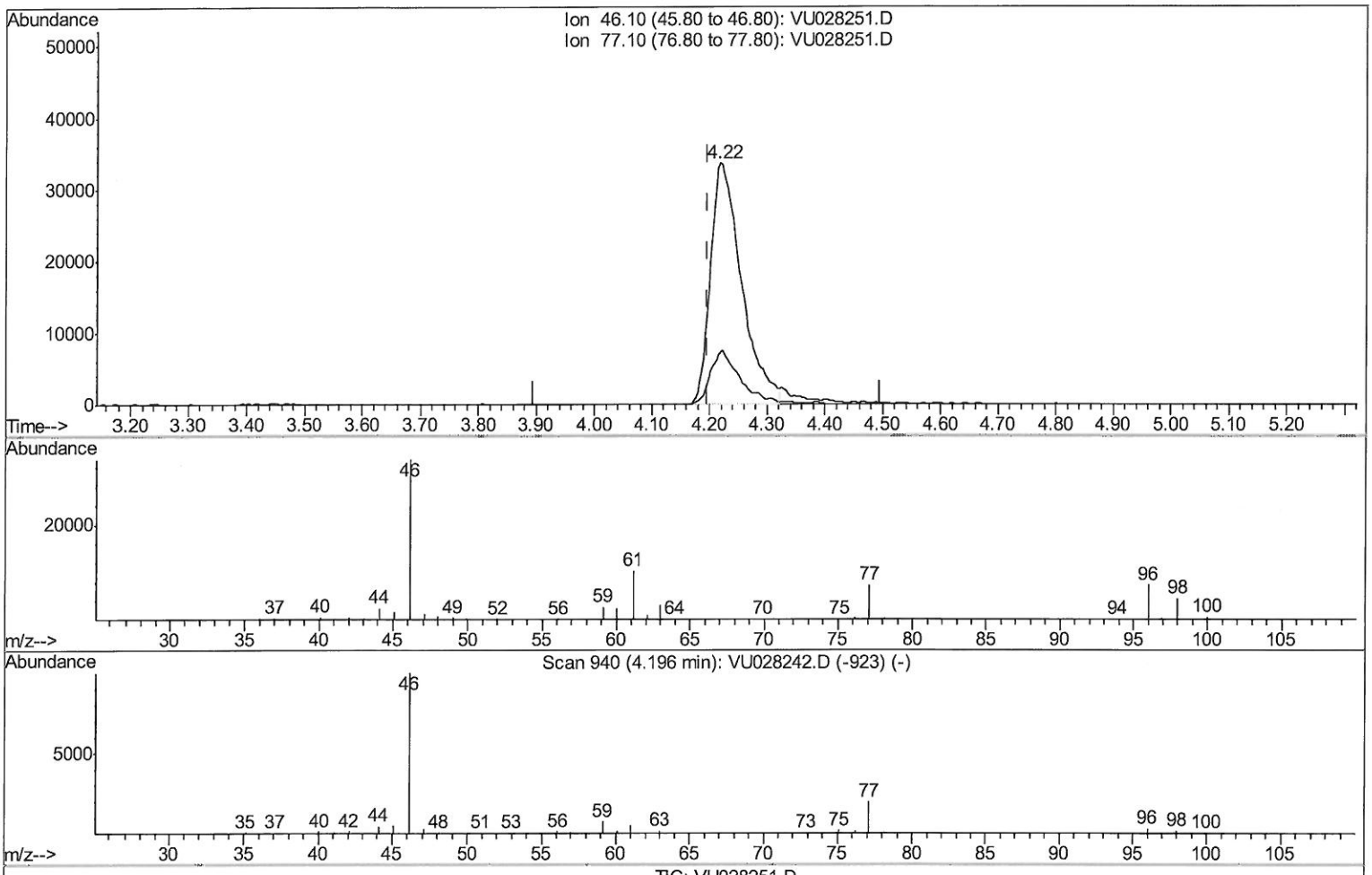
Quantitation Report (Qedit)

Data File : VU028251.D
Acq On : 19 Nov 2018 13:40
Operator : MD/SY
Sample : J5986-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 20 07:11:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
H0FK8

Manual Integrations APPROVED
MMDadoda
11/21/2018 2:55:33 PM



TIC: VU028251.D

(20) 2-Butanone-d5 (S)

4.218min (+0.023) 39.41ug/L

response 125240

Ion	Exp%	Act%
46.10	100	100
77.10	19.40	20.93
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\

Quantitation Report (Qedit)

Data File : VU028251.D
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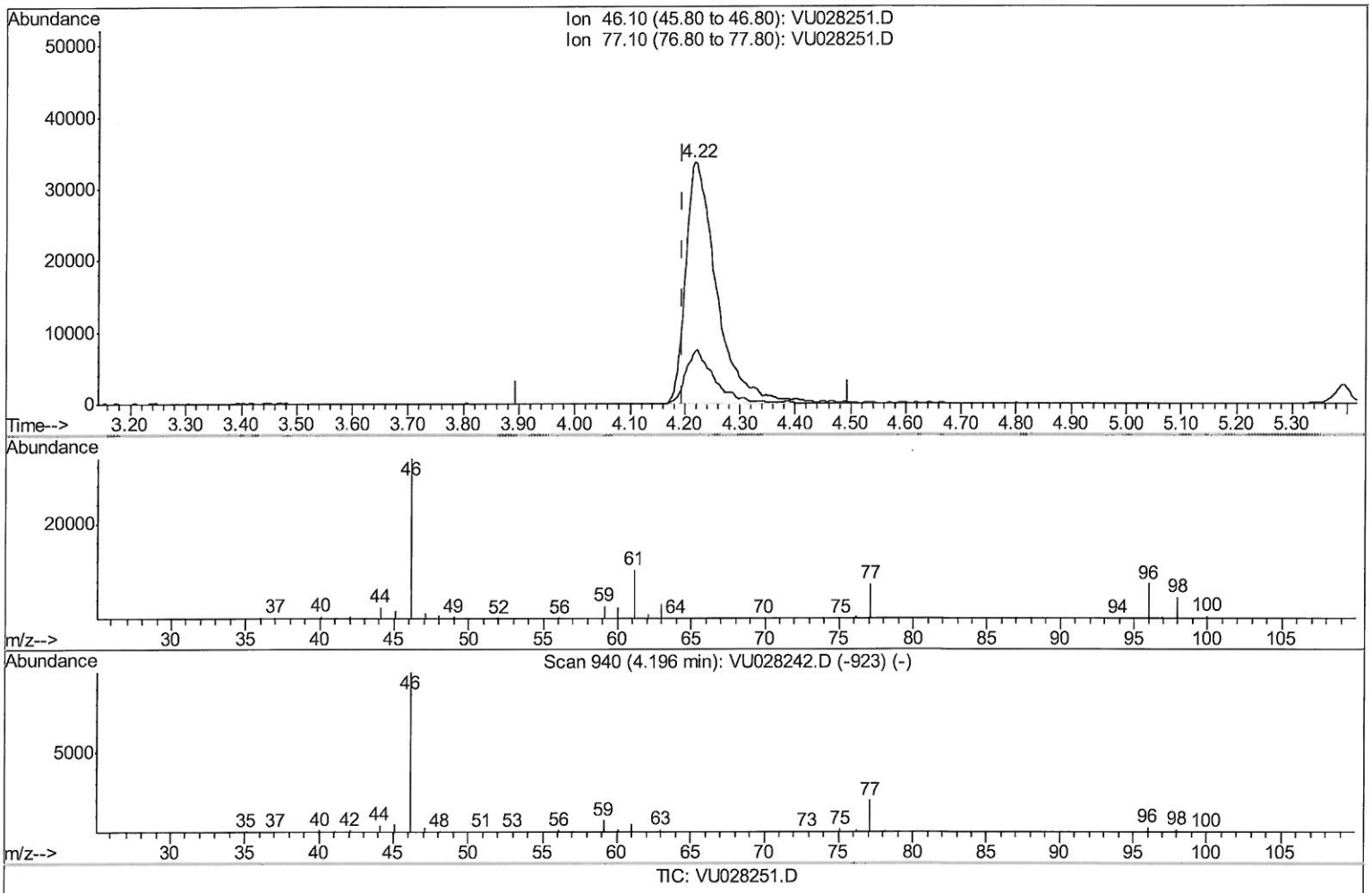
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
H0FK8

Manual Integrations APPROVED
MMDadoda
11/21/2018 2:55:33 PM



TIC: VU028251.D

(20) 2-Butanone-d5 (S)

4.218min (+0.023) 41.08ug/L m

response 130536

Ion	Exp%	Act%
46.10	100	100
77.10	19.40	20.08
0.00	0.00	0.00
0.00	0.00	0.00

MD 11/21/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU111918\

Quantitation Report (QT Reviewed)

Data File : VU028251.D
Acq On : 19 Nov 2018 13:40
Operator : MD/SY
Sample : J5986-13
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 20 07:44:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 20 07:07:24 2018
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : H0FK8

Manual Integrations APPROVED
MMDadoda
11/21/2018 2:55:33 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	126196	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	121051	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	52171	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	42840	4.51	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery = 90.20%			
7) Chloroethane-d5	1.68	69	38465	4.69	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery = 93.80%			
11) 1,1-Dichloroethene-d2	2.28	63	65200	3.45	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery = 69.00%			
20) 2-Butanone-d5	4.22	46	130536m	41.08	ug/L	0.02
Spiked Amount 50.000	Range 40 - 130		Recovery = 82.16%			
24) Chloroform-d	4.65	84	79107	4.46	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 89.20%			
26) 1,2-Dichloroethane-d4	5.31	65	44566	4.55	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 91.00%			
32) Benzene-d6	5.34	84	159888	4.59	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery = 91.80%			
36) 1,2-Dichloropropane-d6	6.33	67	57901	4.58	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery = 91.60%			
41) Toluene-d8	7.57	98	138209	4.43	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery = 88.60%			
43) trans-1,3-Dichloropropene-	7.85	79	15007	3.71	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery = 74.20%			
46) 2-Hexanone-d5	8.32	63	75926	31.32	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery = 62.64%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	41183	4.51	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery = 90.20%			
64) 1,2-Dichlorobenzene-d4	11.86	152	46339	4.78	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery = 95.60%			
Target Compounds						Qvalue
5) Vinyl chloride	1.40	62	58657	4.580	ug/L	95
17) Methyl tert-butyl Ether	3.01	73	29157	1.249	ug/L #	88
18) trans-1,2-Dichloroethene	2.98	96	83583	10.100	ug/L	98
19) 1,1-Dichloroethane	3.45	63	29420	1.533	ug/L	96
22) cis-1,2-Dichloroethene	4.23	96	21363	2.184	ug/L	98
33) Benzene	5.39	78	21643	0.542	ug/L	100

MD 11/21/18

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