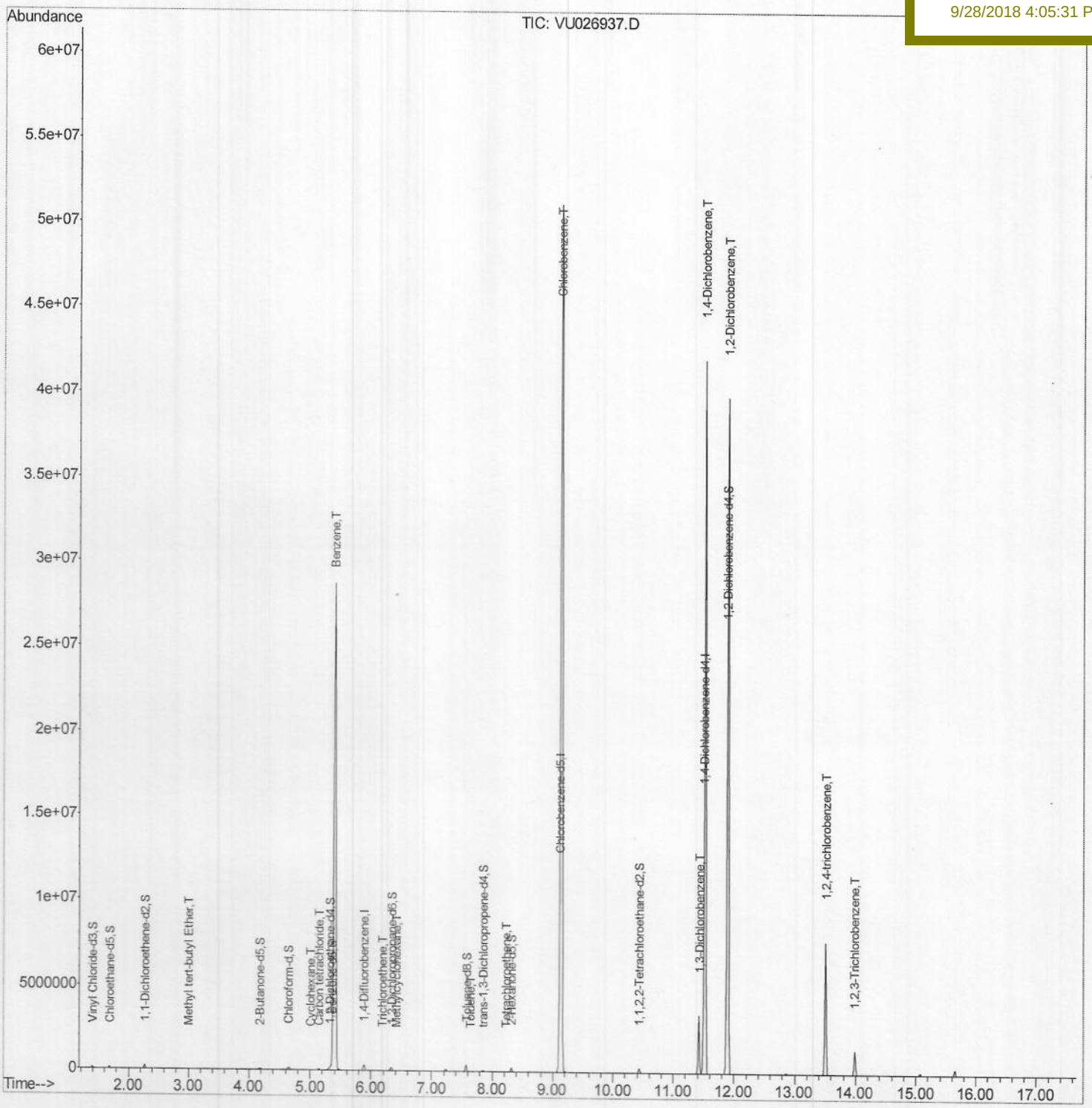
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092118\
Data File : VU026937.D
Acq On : 20 Sep 2018 14:39
Operator : MD/SY
Sample : J4893-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 27 07:58:04 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C08K6

Manual Integrations APPROVED
sam
9/28/2018 4:05:31 PM



Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092118\
Data File : VU026937.D
Acq On : 20 Sep 2018 14:39
Operator : MD/SY
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Misc : 5.0mL/MSVOA_U/WATER
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Manual Integrations APPROVED
sam
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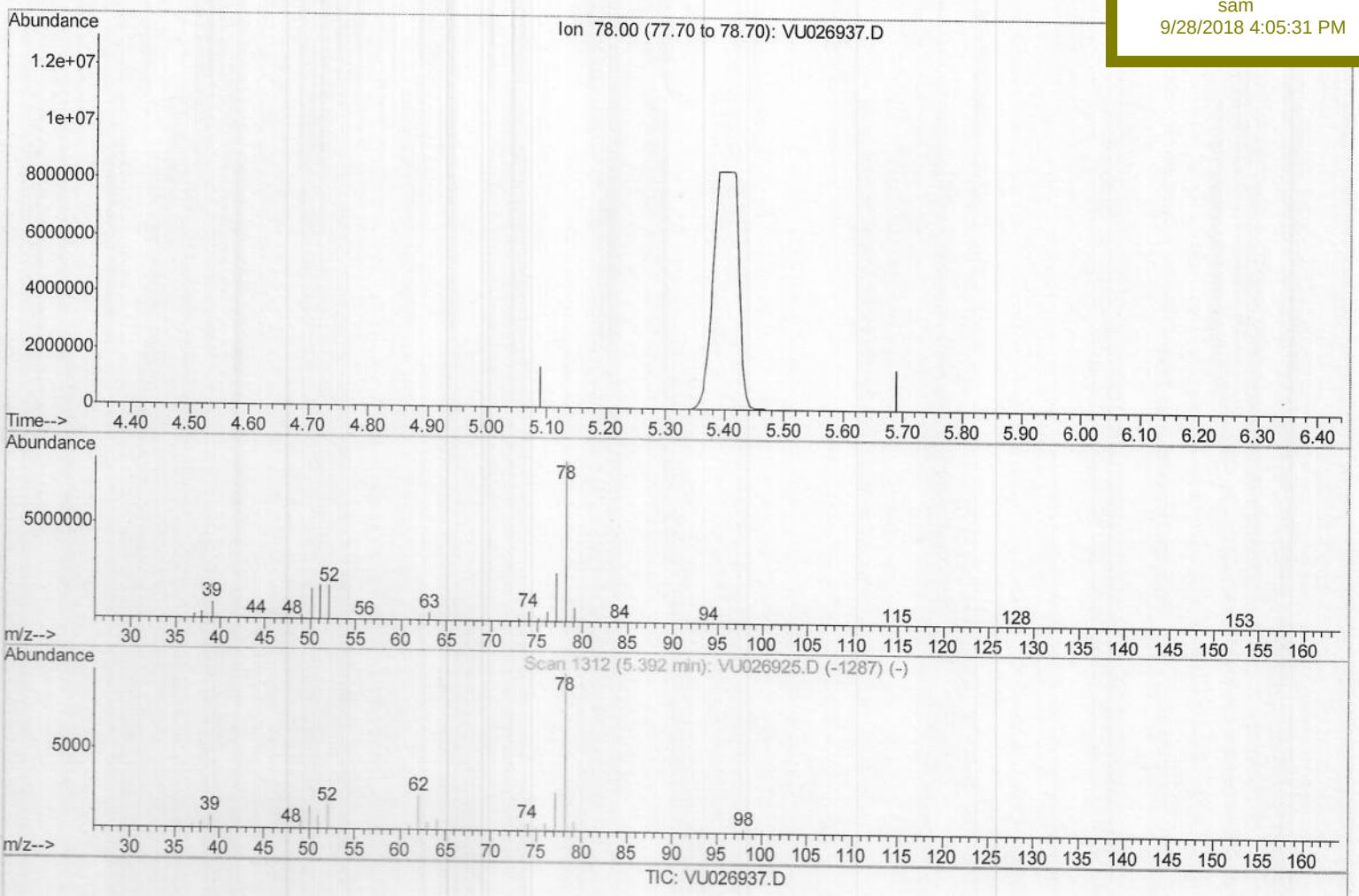

TIC: VU026937.D

(33) Benzene (T)

5.392min (-5.392) 0.00ug/L

response 0

Ion	Exp%	Act%
78.00	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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Manual Integrations APPROVED
sam
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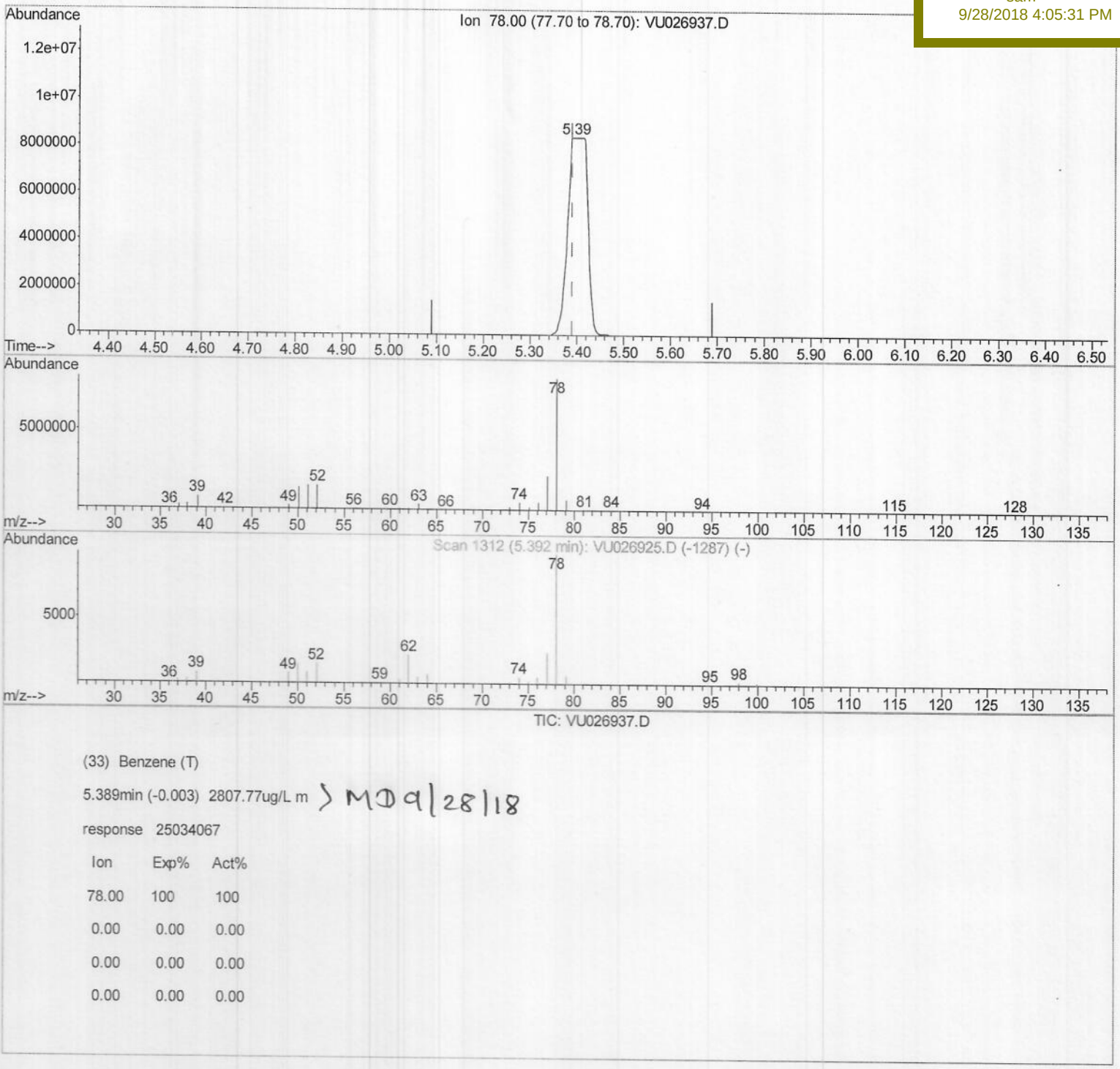

(33) Benzene (T)

5.389min (-0.003) 2807.77ug/L m > MD 9/28/18

response 25034067

Ion	Exp%	Act%
78.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092118\
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Instrument :
MSVOA_U
ClientSampleId :
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Manual Integrations APPROVED
sam
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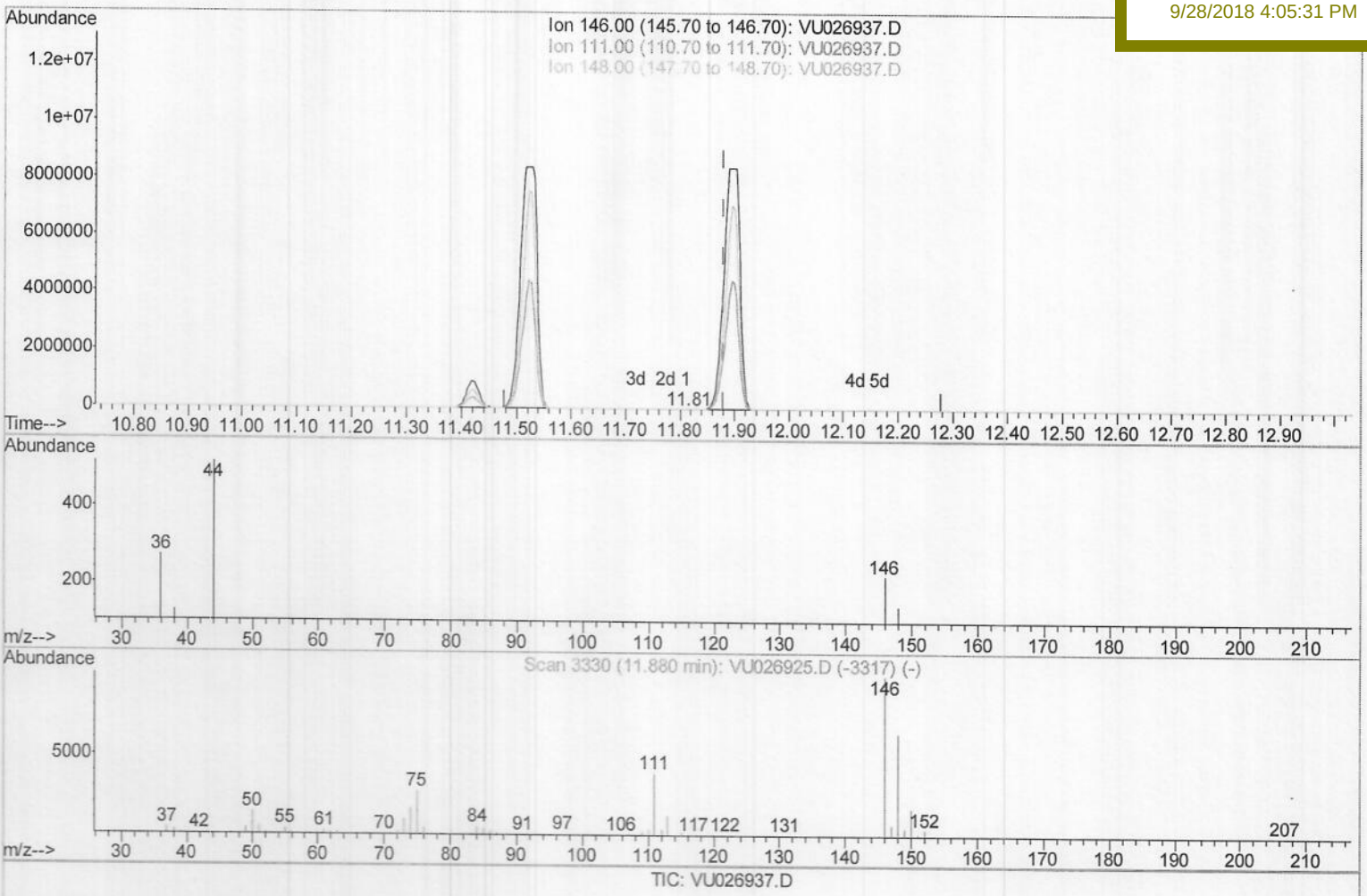

TIC: VU026937.D

(65) 1,2-Dichlorobenzene (T)

11.813min (-0.067) 0.00ug/L

response 16

Ion	Exp%	Act%
146.00	100	100
111.00	39.20	0.00#
148.00	64.30	64.25
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092118\
Data File : VU026937.D
Acq On : 20 Sep 2018 14:39
Operator : MD/SY
Sample : J4893-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 27 07:53:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
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Instrument :
MSVOA_U
ClientSampleId :
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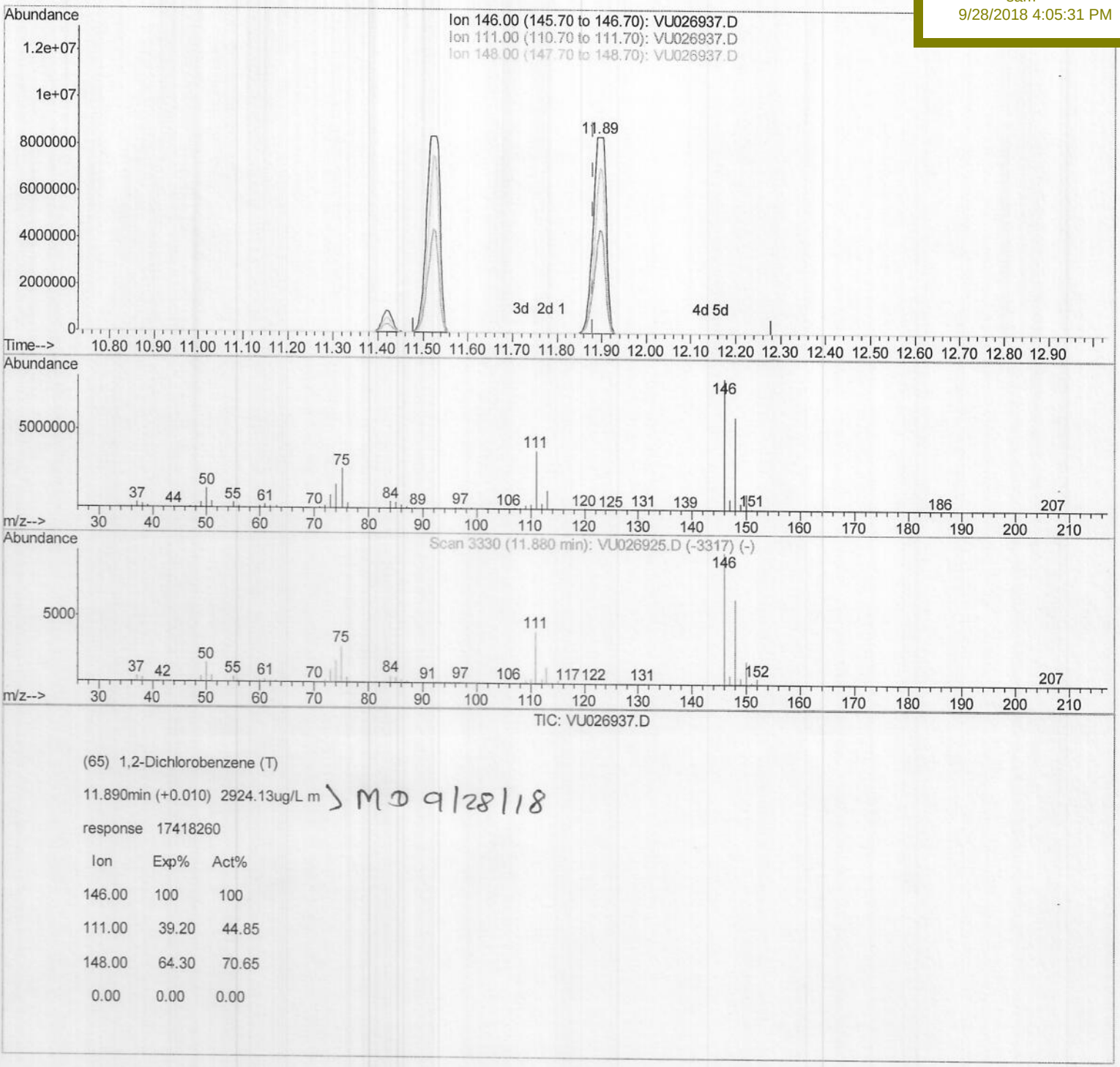
Manual Integrations APPROVED
sam
9/28/2018 4:05:31 PM



TIC: VU026937.D

(65) 1,2-Dichlorobenzene (T)

11.890min (+0.010) 2924.13ug/L m MD 9/28/18

response 17418260

Ion	Exp%	Act%
146.00	100	100
111.00	39.20	44.85
148.00	64.30	70.65
0.00	0.00	0.00

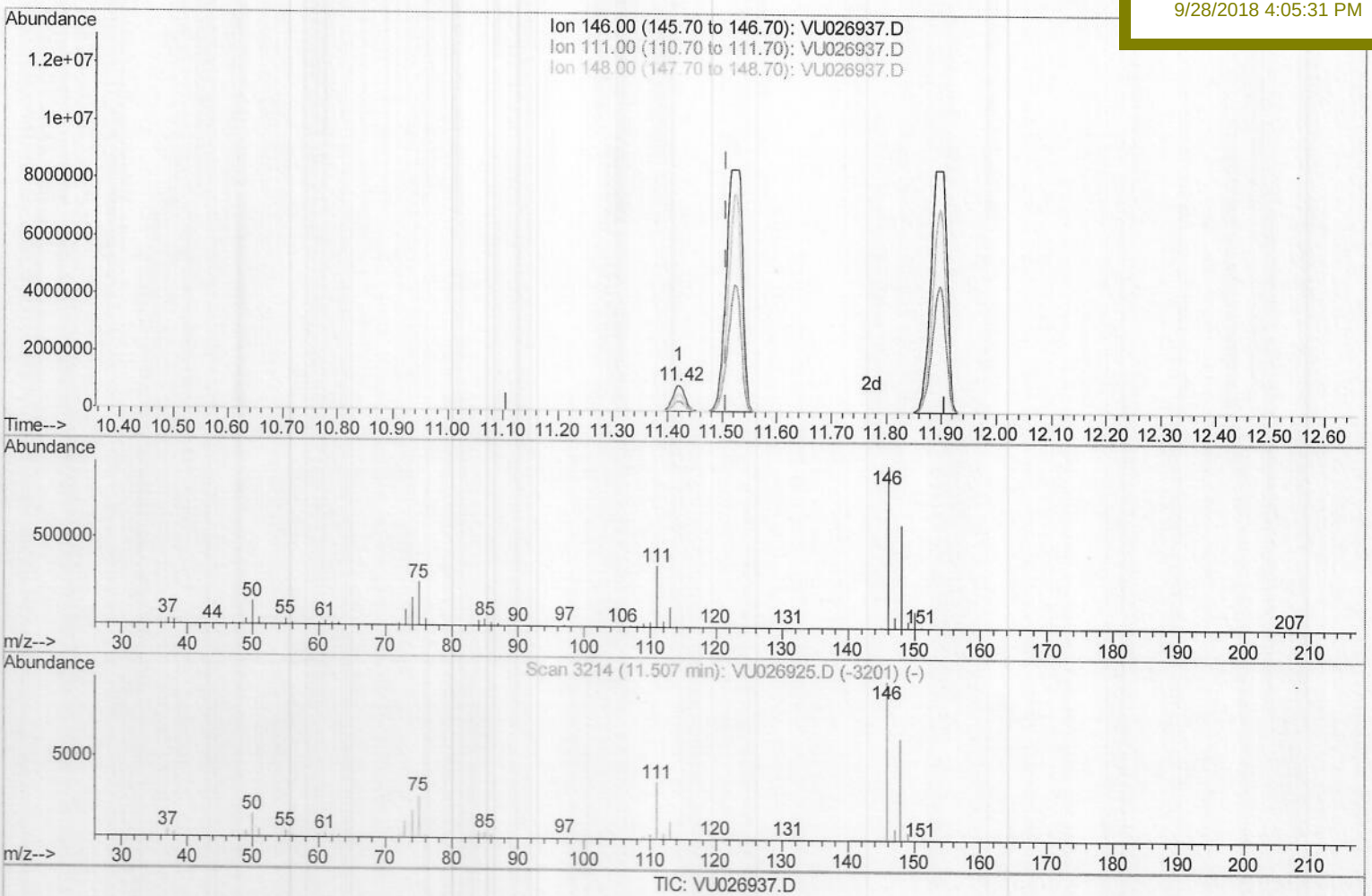
Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092118\
Data File : VU026937.D
Acq On : 20 Sep 2018 14:39
Operator : MD/SY
Sample : J4893-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 27 07:53:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C08K6

Manual Integrations APPROVED
sam
9/28/2018 4:05:31 PM



TIC: VU026937.D

(63) 1,4-Dichlorobenzene (T)

11.421min (-0.087) 246.71ug/L

response 1461472

Ion	Exp%	Act%
146.00	100	100
111.00	37.10	37.60
148.00	65.50	63.97
0.00	0.00	0.00

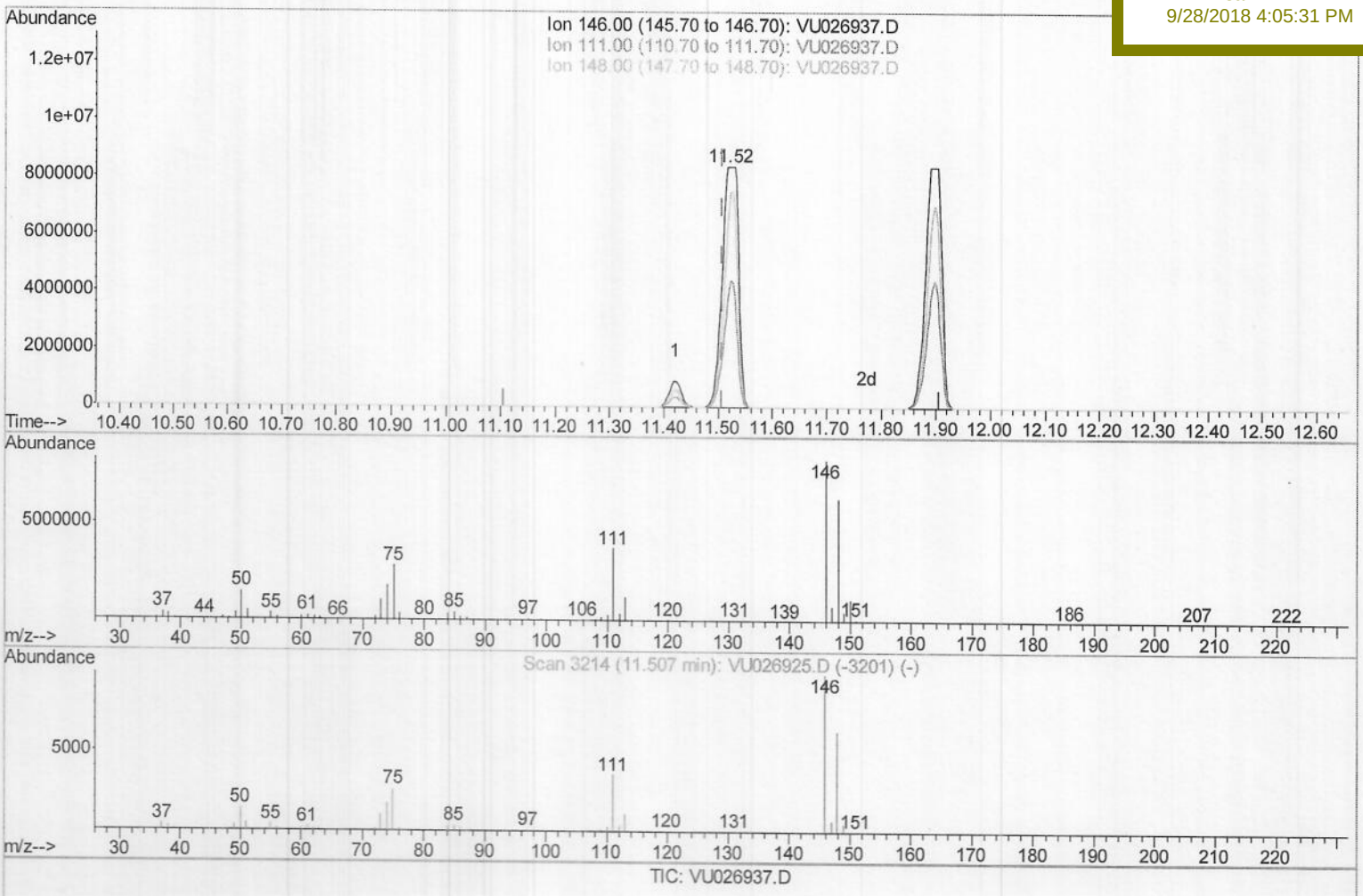
Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092118\
Data File : VU026937.D
Acq On : 20 Sep 2018 14:39
Operator : MD/SY
Sample : J4893-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 27 07:53:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Sep 21 04:24:07 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
C08K6

Manual Integrations APPROVED
sam
9/28/2018 4:05:31 PM



TIC: VU026937.D

(63) 1,4-Dichlorobenzene (T)

11.517min (+0.010) 2991.95ug/L m) MD 9/28/18

response 17723571

Ion	Exp%	Act%
146.00	100	100
111.00	37.10	44.36
148.00	65.50	75.20
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092118\
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Acq On : 20 Sep 2018 14:39
Operator : MD/SY
Sample : J4893-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
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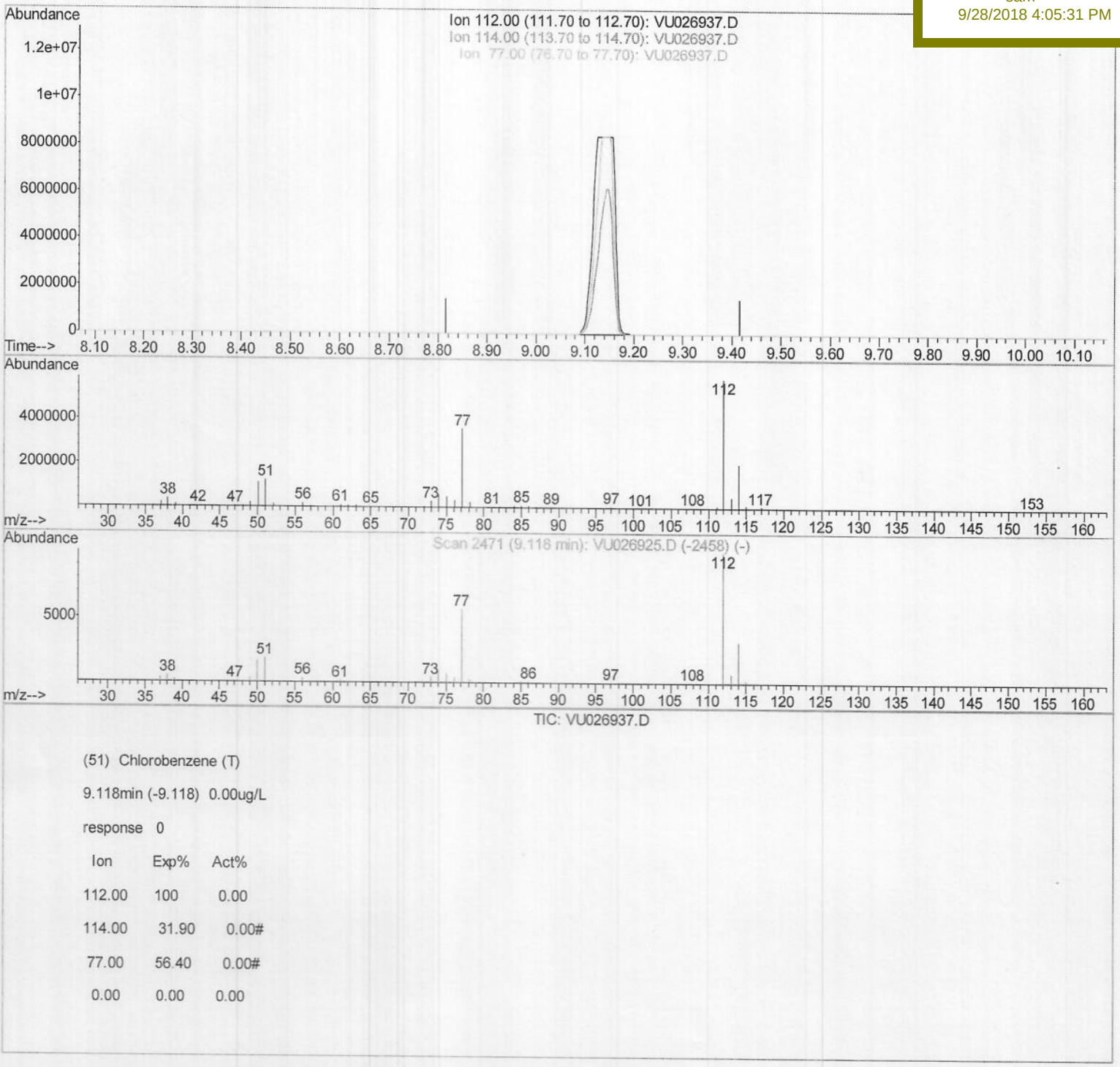
Instrument :
MSVOA_U
ClientSampleId :
C08K6

Manual Integrations APPROVED
sam
9/28/2018 4:05:31 PM



TIC: VU026937.D

(51) Chlorobenzene (T)

9.118min (-9.118) 0.00ug/L

response 0

Ion	Exp%	Act%
112.00	100	0.00
114.00	31.90	0.00#
77.00	56.40	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092118\
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Acq On : 20 Sep 2018 14:39
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ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
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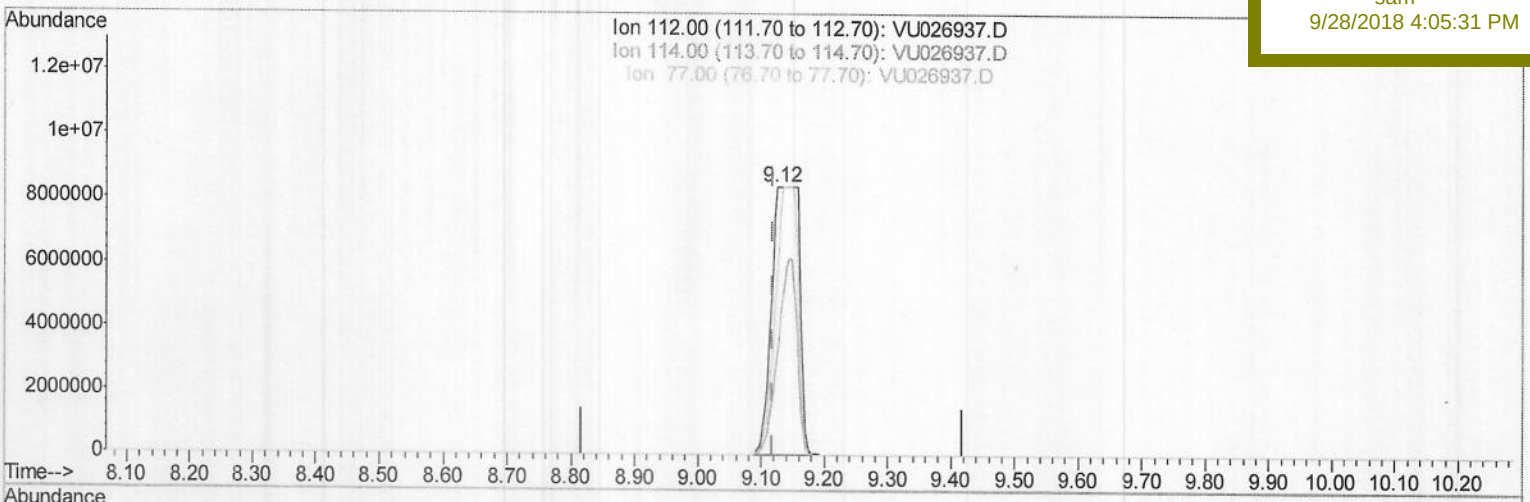
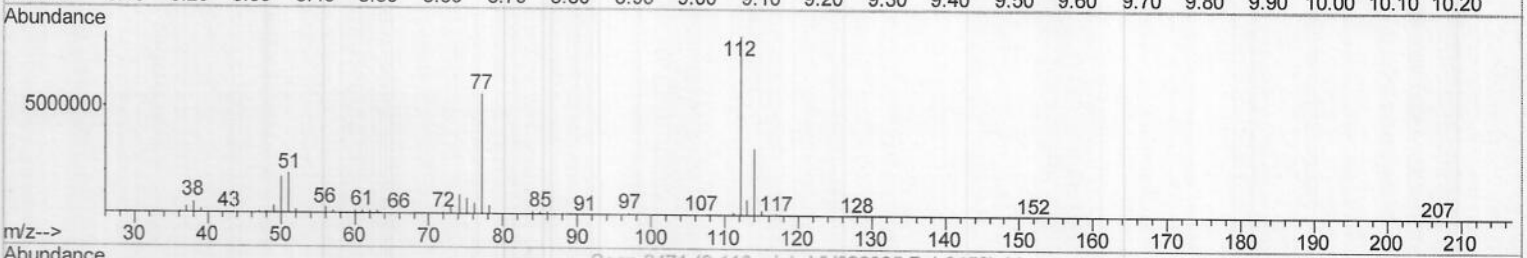
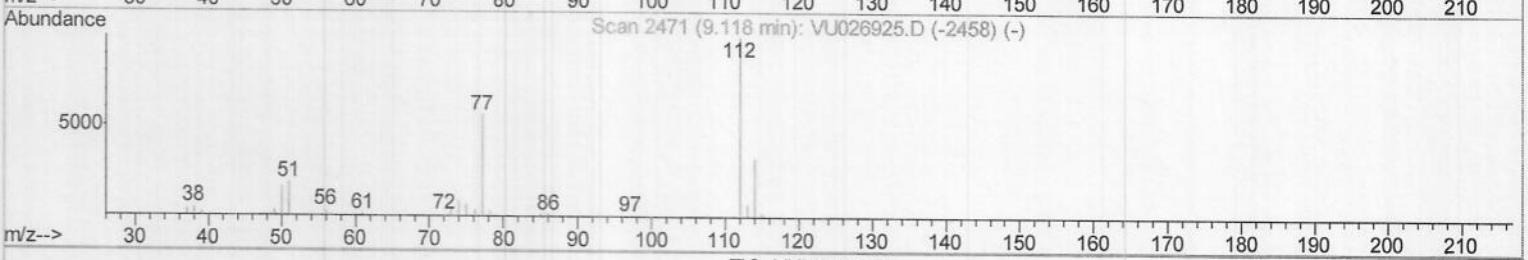
Manual Integrations APPROVED
sam
9/28/2018 4:05:31 PM







TIC: VU026937.D

(51) Chlorobenzene (T)

9.125min (+0.007) 4155.03ug/L m) MD 9/28/18

response 25438091

Ion	Exp%	Act%
112.00	100	100
114.00	31.90	37.51
77.00	56.40	66.87
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

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Acq On : 20 Sep 2018 14:39
Operator : MD/SY
Sample : J4893-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

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Instrument : MSVOA_U
ClientSampleId : C08K6

Manual Integrations APPROVED
sam
9/28/2018 4:05:31 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	286358	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	287577	50.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	11.49	152	176472	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.40	65	75977	35.87	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 71.74%			
7) Chloroethane-d5	1.68	69	65472	36.11	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 72.22%			
11) 1,1-Dichloroethene-d2	2.27	63	108058	26.96	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 53.92%#			
21) 2-Butanone-d5	4.18	46	107663	76.59	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 76.59%			
24) Chloroform-d	4.65	84	132303	33.67	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 67.34%#			
26) 1,2-Dichloroethane-d4	5.31	65	84620	34.20	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 68.40%#			
32) Benzene-d6	5.35	84	280495	34.80	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 69.60%#			
36) 1,2-Dichloropropane-d6	6.33	67	86233	33.21	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 66.42%#			
41) Toluene-d8	7.57	98	243944	33.50	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 67.00%#			
43) trans-1,3-Dichloropropene-	7.85	79	38411	33.13	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.26%			
47) 2-Hexanone-d5	8.31	63	75351	73.83	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 73.83%			
57) 1,1,2,2-Tetrachloroethane-	10.43	84	117483	32.45	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 64.90%#			
64) 1,2-Dichlorobenzene-d4	11.87	152	127489	34.73	ug/L	0.01
Spiked Amount 50.000	Range 80 - 120		Recovery = 69.46%#			
Target Compounds						Qvalue
18) Methyl tert-butyl Ether	3.00	73	3212	0.537	ug/L #	85
29) Cyclohexane	5.00	56	5170	1.548	ug/L	97
31) Carbon tetrachloride	5.14	117	34864	11.372	ug/L	96
33) Benzene	5.39	78	25034067m)	2807.774	ug/L	
34) Trichloroethene	6.19	95	1616	0.755	ug/L	92
35) Methylcyclohexane	6.42	83	2443	0.700	ug/L #	68
42) Toluene	7.64	91	4587	0.508	ug/L	94
46) Tetrachloroethene	8.23	164	3665	1.932	ug/L	93
51) Chlorobenzene	9.12	112	25438091m)	4155.034	ug/L	
62) 1,3-Dichlorobenzene	11.42	146	1461472	271.665	ug/L	99
63) 1,4-Dichlorobenzene	11.52	146	17723571m)	2991.953	ug/L	
65) 1,2-Dichlorobenzene	11.89	146	17418260m)	2924.127	ug/L	
68) 1,2,4-trichlorobenzene	13.51	180	2527455	704.536	ug/L	100
70) 1,2,3-Trichlorobenzene	13.99	180	453142	114.704	ug/L	98

MD 9/28/18

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