Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

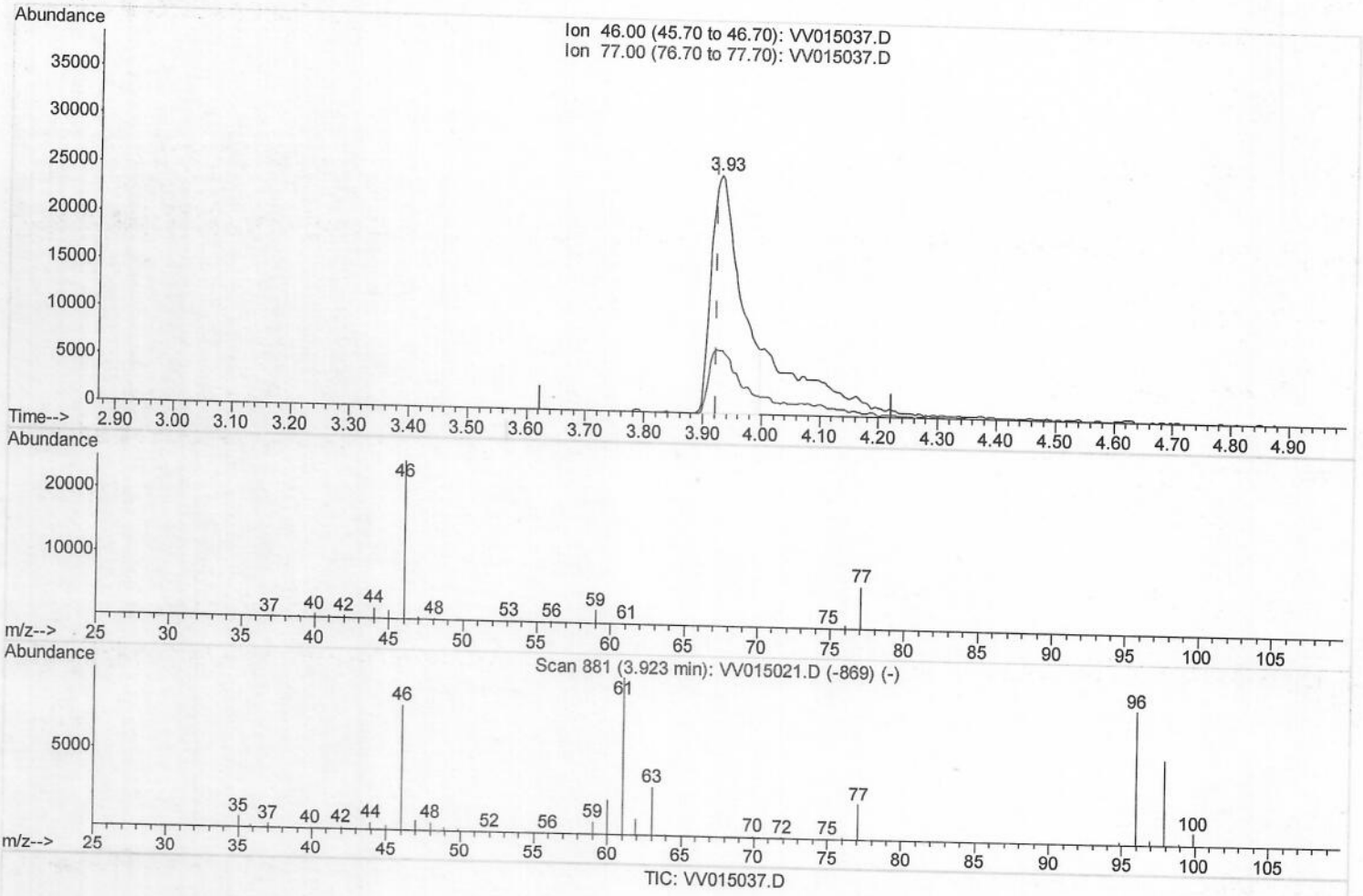
Quantitation Report (Qedit)

Data File : VV015037.D
Acq On : 19 Mar 2020 00:51
Operator : SY/MD
Sample : L1941-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 19 04:13:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
C0DL7

Manual Integrations APPROVED
sam
3/19/2020 11:30:58 AM



TIC: VV015037.D

(21) 2-Butanone-d5 (S)

3.930min (+0.007) 71.16ug/L

response 86134

Ion	Exp%	Act%
46.00	100	100
77.00	27.00	9.17#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

Quantitation Report (Qedit)

Data File : VV015037.D
Acq On : 19 Mar 2020 00:51
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Misc : 5.0mL/MSVOA_V/WATER
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Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
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Instrument :
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ClientSampleId :
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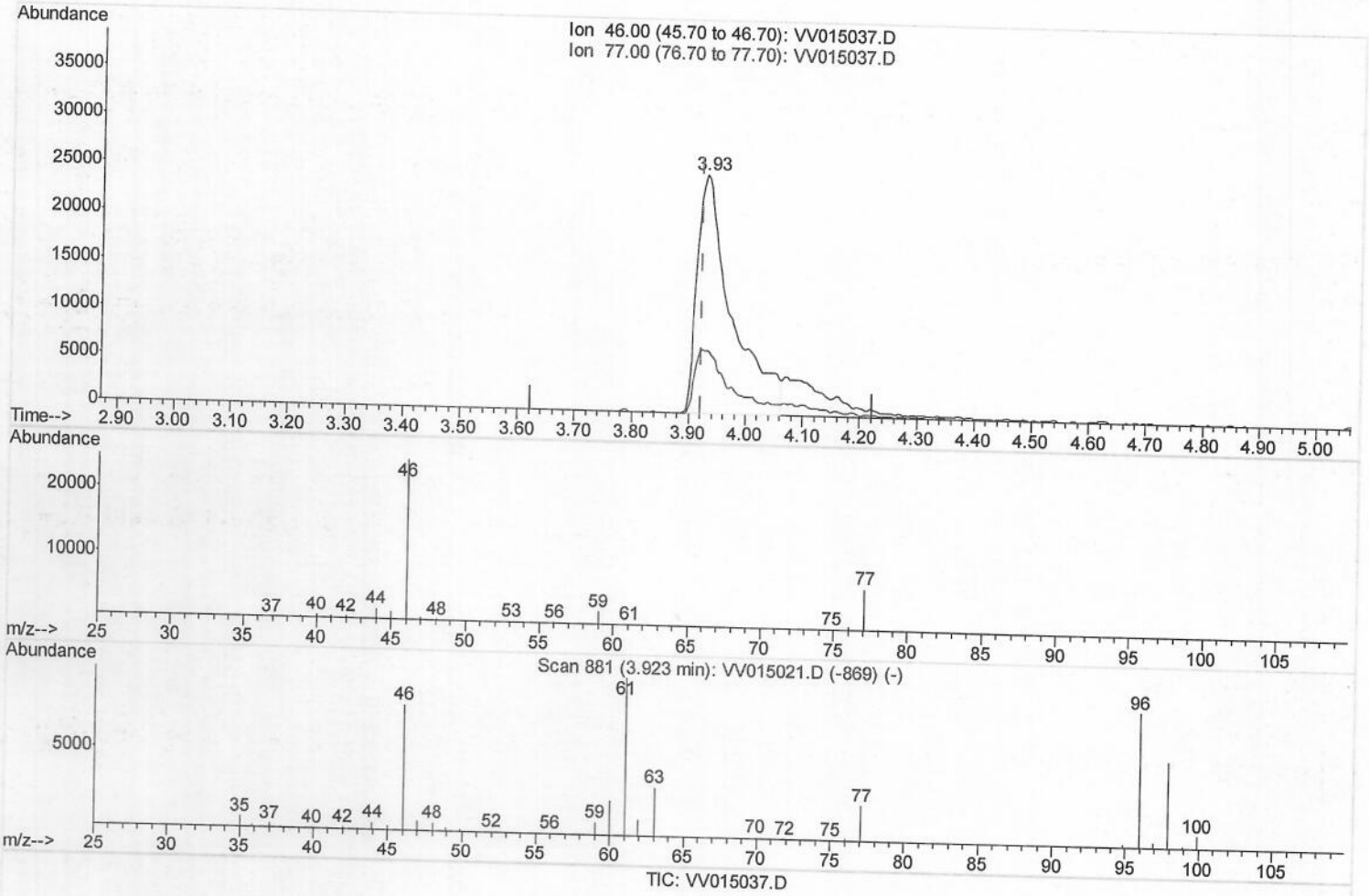
Manual Integrations APPROVED
sam
3/19/2020 11:30:58 AM



(21) 2-Butanone-d5 (S)

3.930min (+0.007) 87.43ug/L m

response 105836

Ion	Exp%	Act%
46.00	100	100
77.00	27.00	7.46#
0.00	0.00	0.00
0.00	0.00	0.00

MD
03/30/2020

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

Quantitation Report (Qedit)

Data File : VV015037.D
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Operator : SY/MD
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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

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Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
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MSVOA_V
ClientSampleId :
C0DL7

Manual Integrations APPROVED
sam
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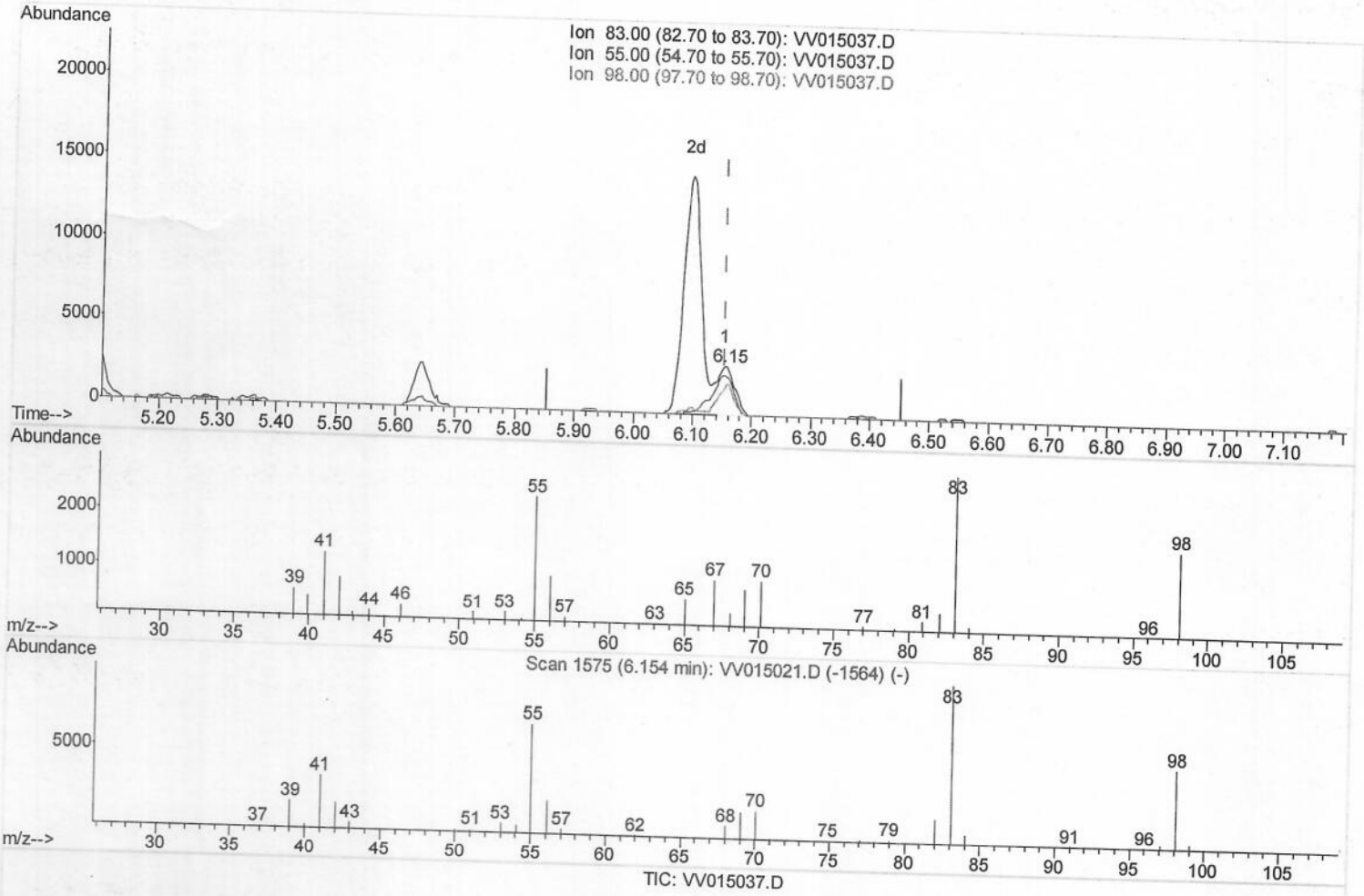

(35) Methylcyclohexane (T)

6.155min (+0.000) 1.28ug/L

response 5151

Ion	Exp%	Act%
83.00	100	100
55.00	69.20	121.63#
98.00	50.80	66.57#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

Quantitation Report (Qedit)

Data File : VV015037.D
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Misc : 5.0mL/MSVOA_V/WATER
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ClientSampleId :
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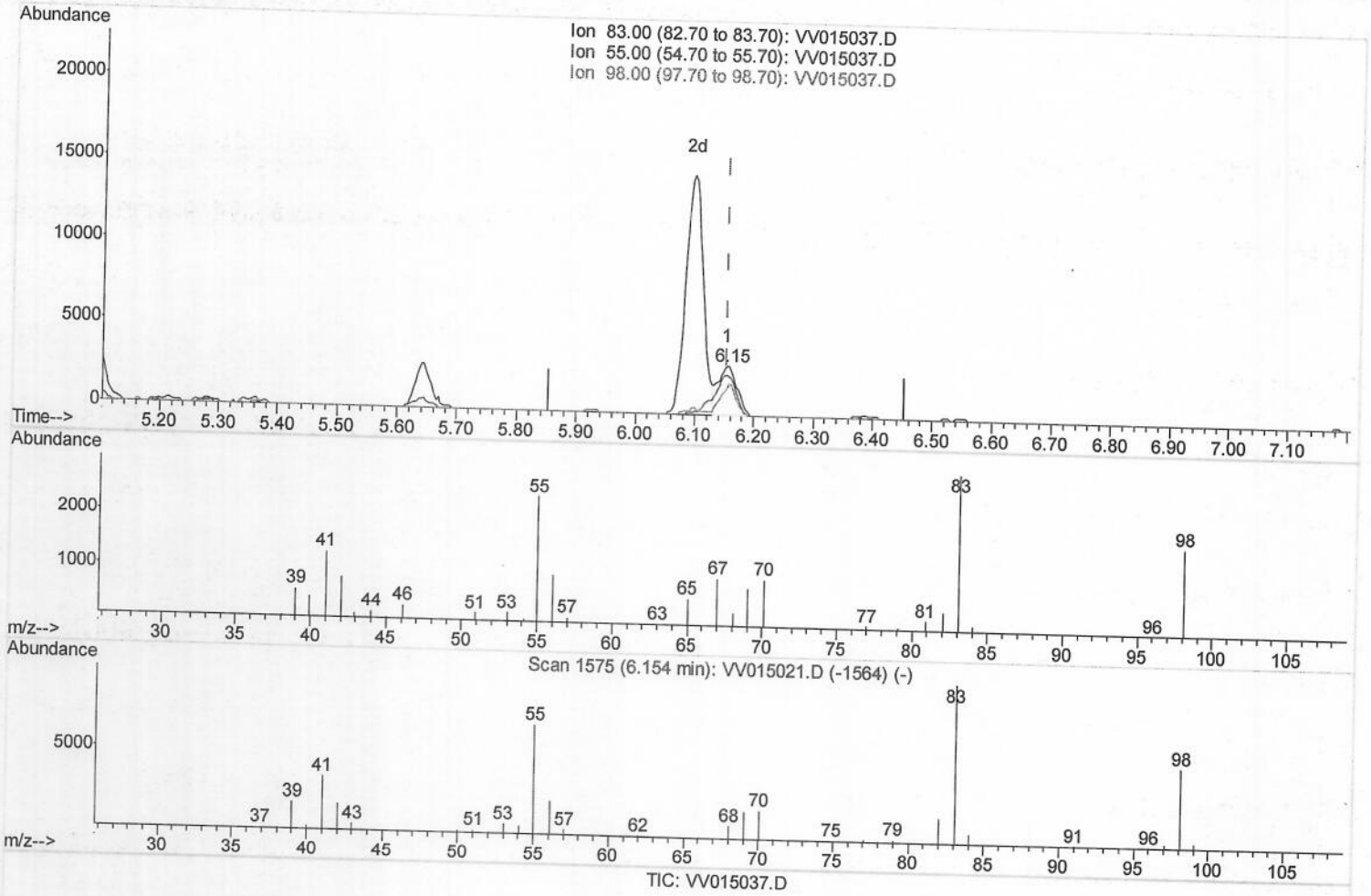
Manual Integrations APPROVED
sam
3/19/2020 11:30:58 AM



(35) Methylcyclohexane (T)

6.155min (+0.000) 1.65ug/L m

response 6635

Ion	Exp%	Act%
83.00	100	100
55.00	69.20	94.42#
98.00	50.80	51.68
0.00	0.00	0.00

MD
03/30/2020

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

Data File : VV015037.D
Acq On : 19 Mar 2020 00:51
Operator : SY/MD
Sample : L1941-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Quantitation Report (Qedit)

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Response via : Initial Calibration

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ClientSampleId :
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Manual Integrations APPROVED
sam
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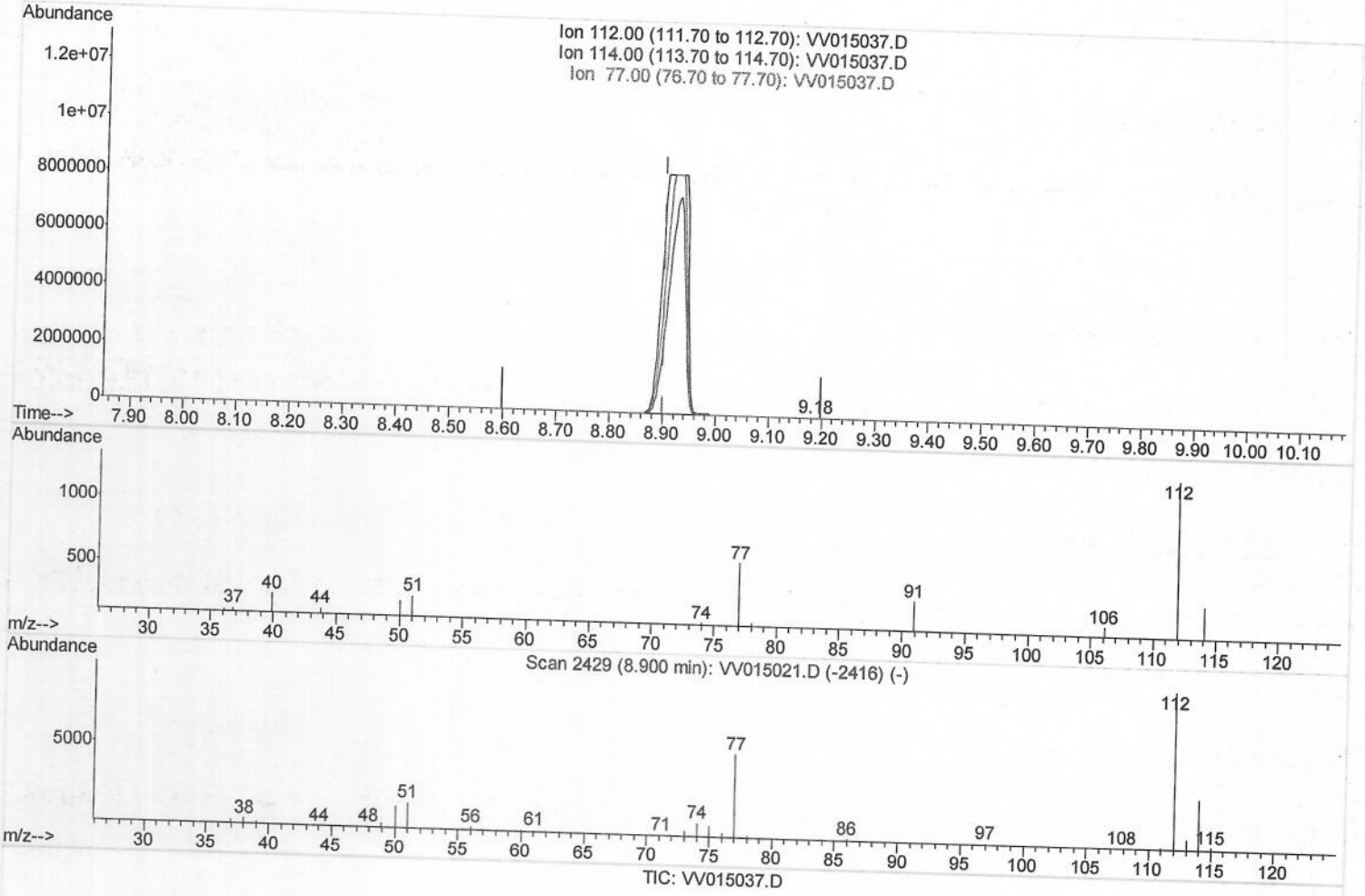

(51) Chlorobenzene (T)

9.180min (+0.280) 0.02ug/L

response 166

Ion	Exp%	Act%
112.00	100	100
114.00	32.00	27.36
77.00	53.60	45.35
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

Data File : VV015037.D
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Operator : SY/MD
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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

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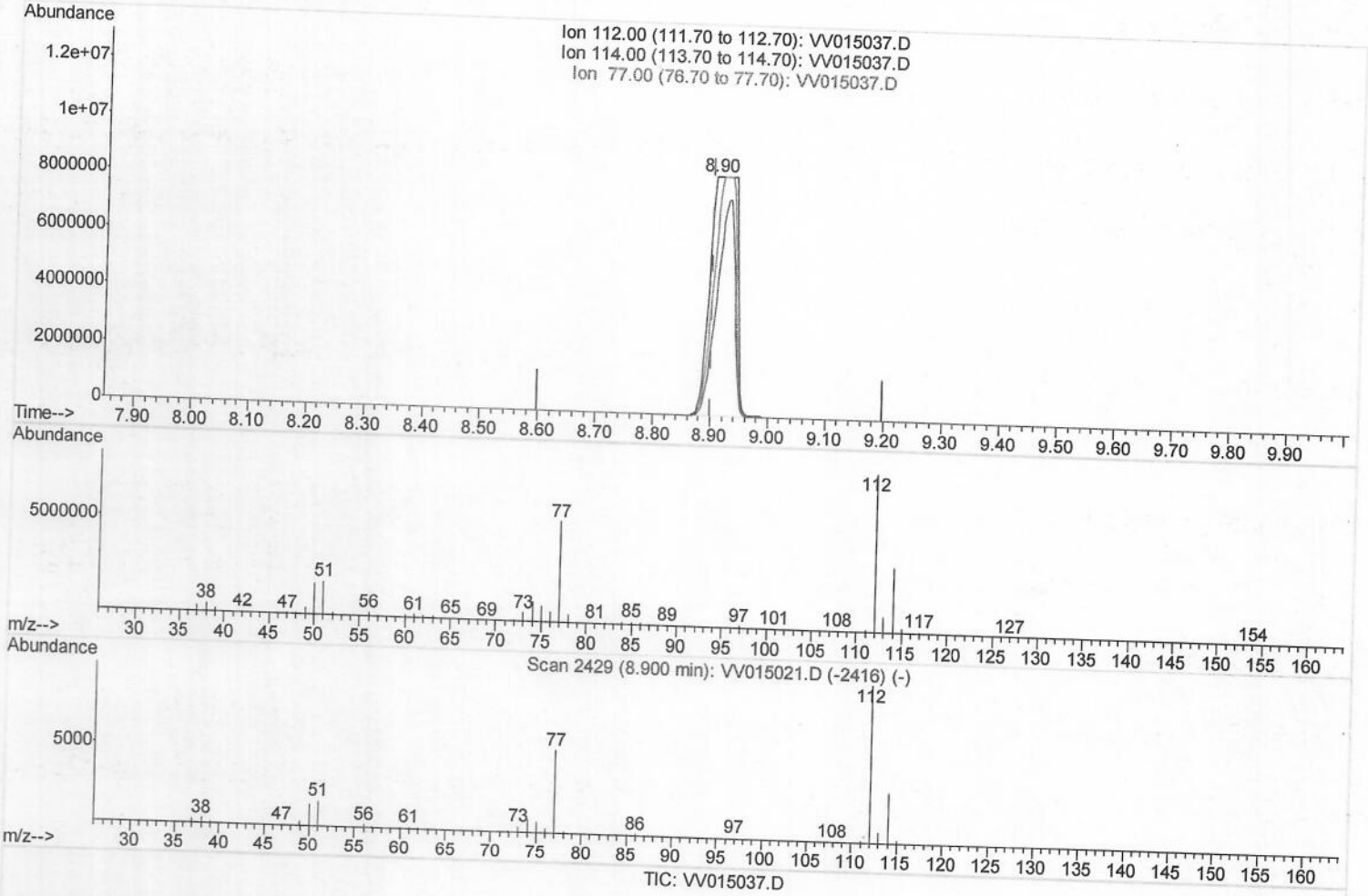
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration

Quantitation Report (Qedit)

Instrument :
MSVOA_V
ClientSampleId :
C0DL7

Manual Integrations APPROVED
sam
3/19/2020 11:30:58 AM



(51) Chlorobenzene (T)

8.904min (+0.003) 3642.57ug/L m > MD

response 27143389

03/30/2020

Ion	Exp%	Act%
112.00	100	100
114.00	32.00	40.16
77.00	53.60	63.39
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

Data File : VV015037.D
Acq On : 19 Mar 2020 00:51
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Sample : L1941-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Quantitation Report (Qedit)

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Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
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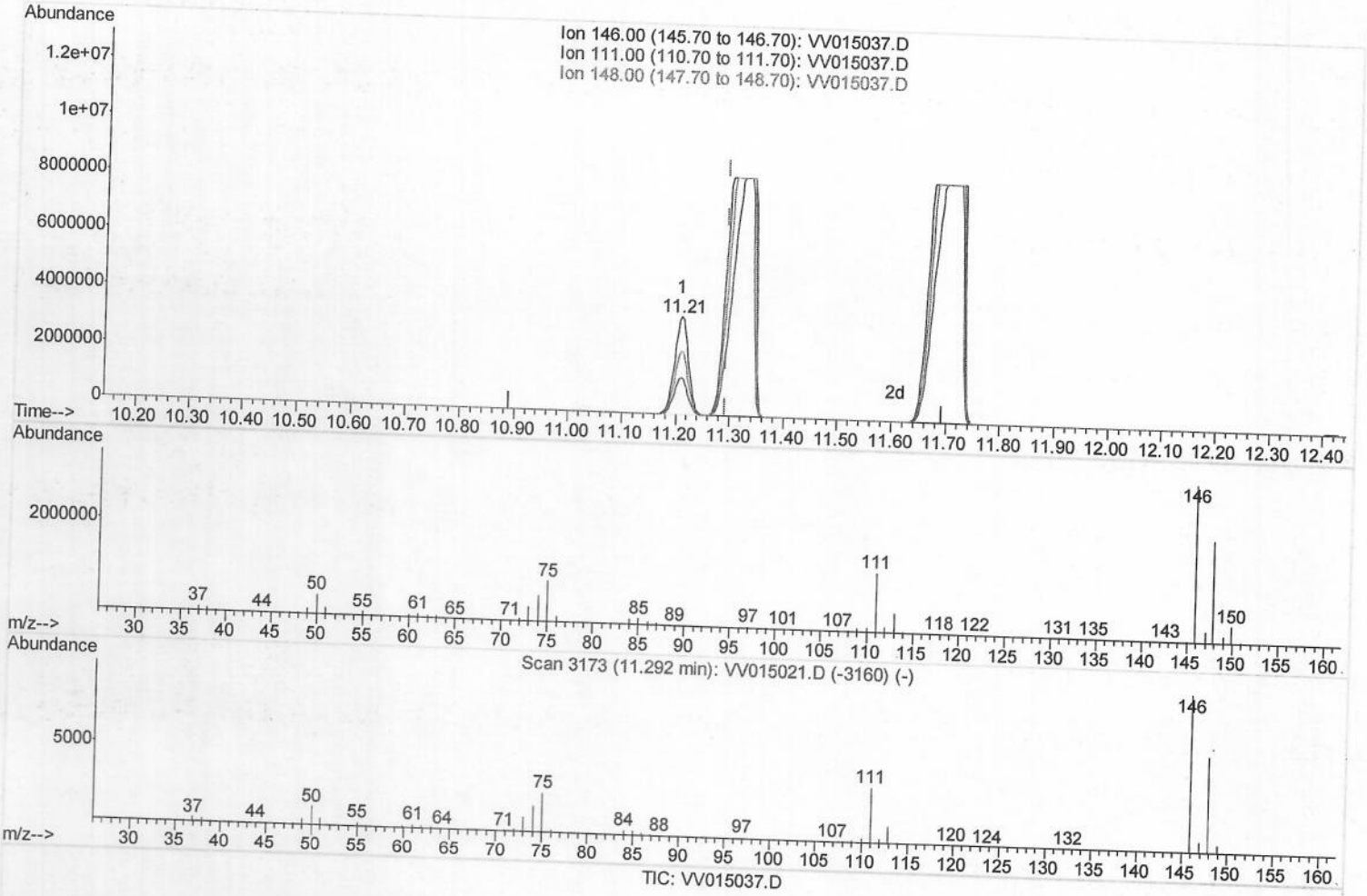
Instrument :
MSVOA_V
ClientSampleId :
C0DL7

Manual Integrations APPROVED
sam
3/19/2020 11:30:58 AM



(63) 1,4-Dichlorobenzene (T)

11.209min (-0.083) 798.19ug/L

response 6136312

Ion	Exp%	Act%
146.00	100	100
111.00	36.90	37.94
148.00	65.30	65.01
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

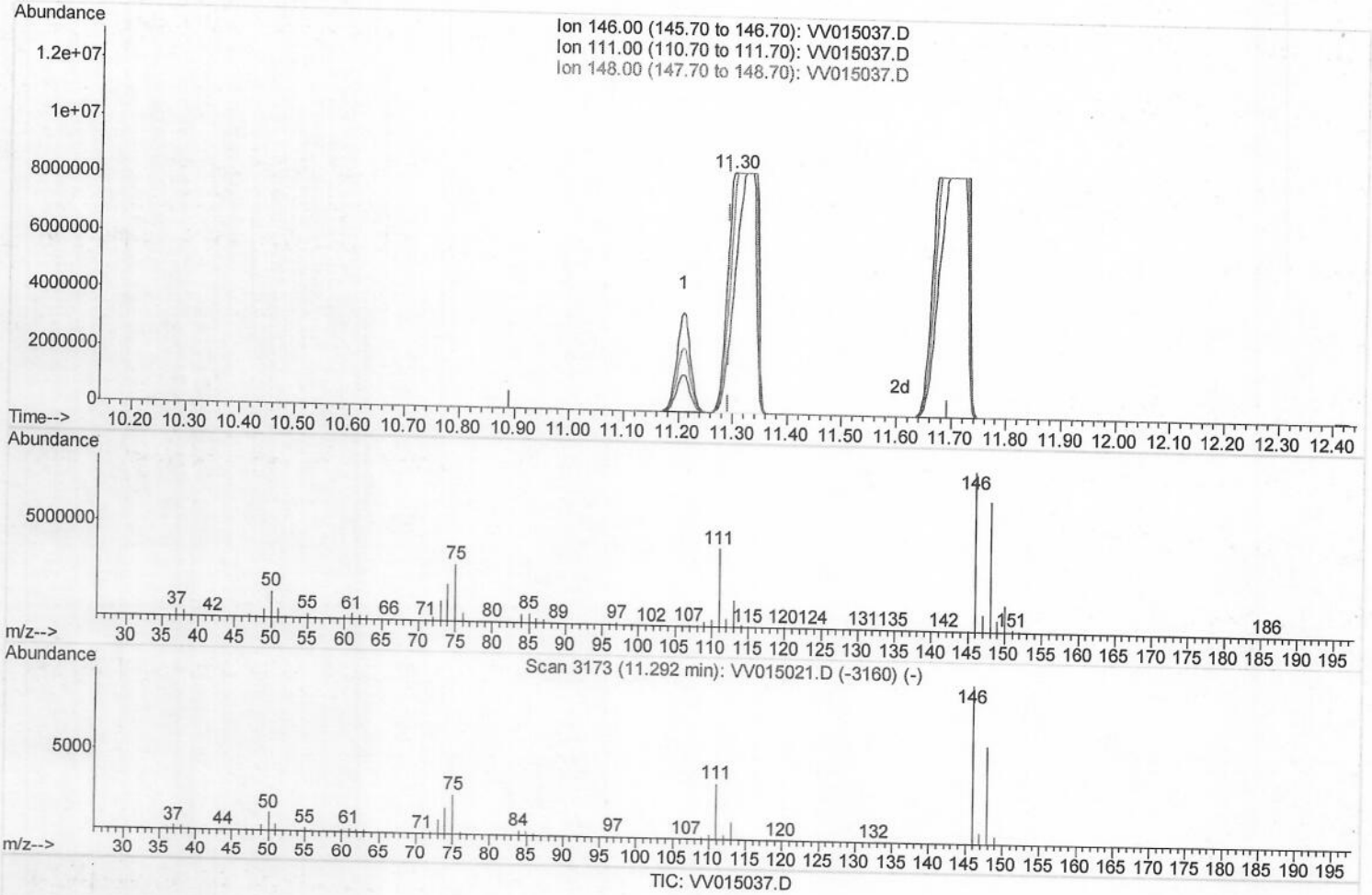
Quantitation Report (Qedit)

Data File : VV015037.D
Acq On : 19 Mar 2020 00:51
Operator : SY/MD
Sample : L1941-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 19 04:13:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
C0DL7

Manual Integrations APPROVED
sam
3/19/2020 11:30:58 AM



(63) 1,4-Dichlorobenzene (T)

11.299min (+0.007) 4017.95ug/L m

response 30889137

Ion	Exp%	Act%
146.00	100	100
111.00	36.90	49.28#
148.00	65.30	81.30
0.00	0.00	0.00

MD
03/30/2020

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

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Acq On : 19 Mar 2020 00:51
Operator : SY/MD
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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Quantitation Report (Qedit)

Instrument :
MSVOA_V
ClientSampleId :
C0DL7

Manual Integrations APPROVED
sam
3/19/2020 11:30:58 AM

Quant Time: Mar 19 04:13:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
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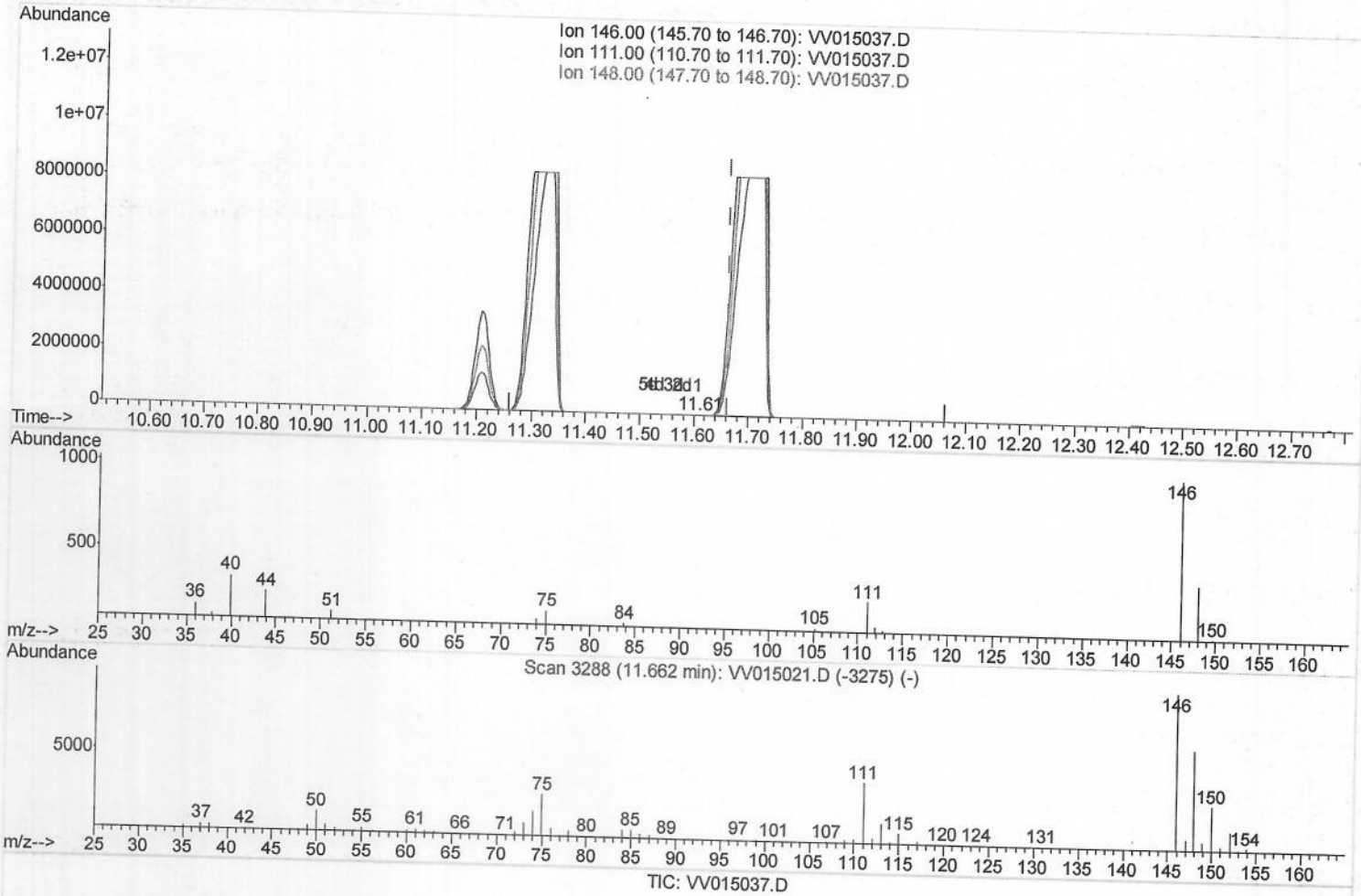


(65) 1,2-Dichlorobenzene (T)

11.608min (-0.055) 0.03ug/L

response 198

Ion	Exp%	Act%
146.00	100	100
111.00	39.40	27.17#
148.00	64.60	40.94#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

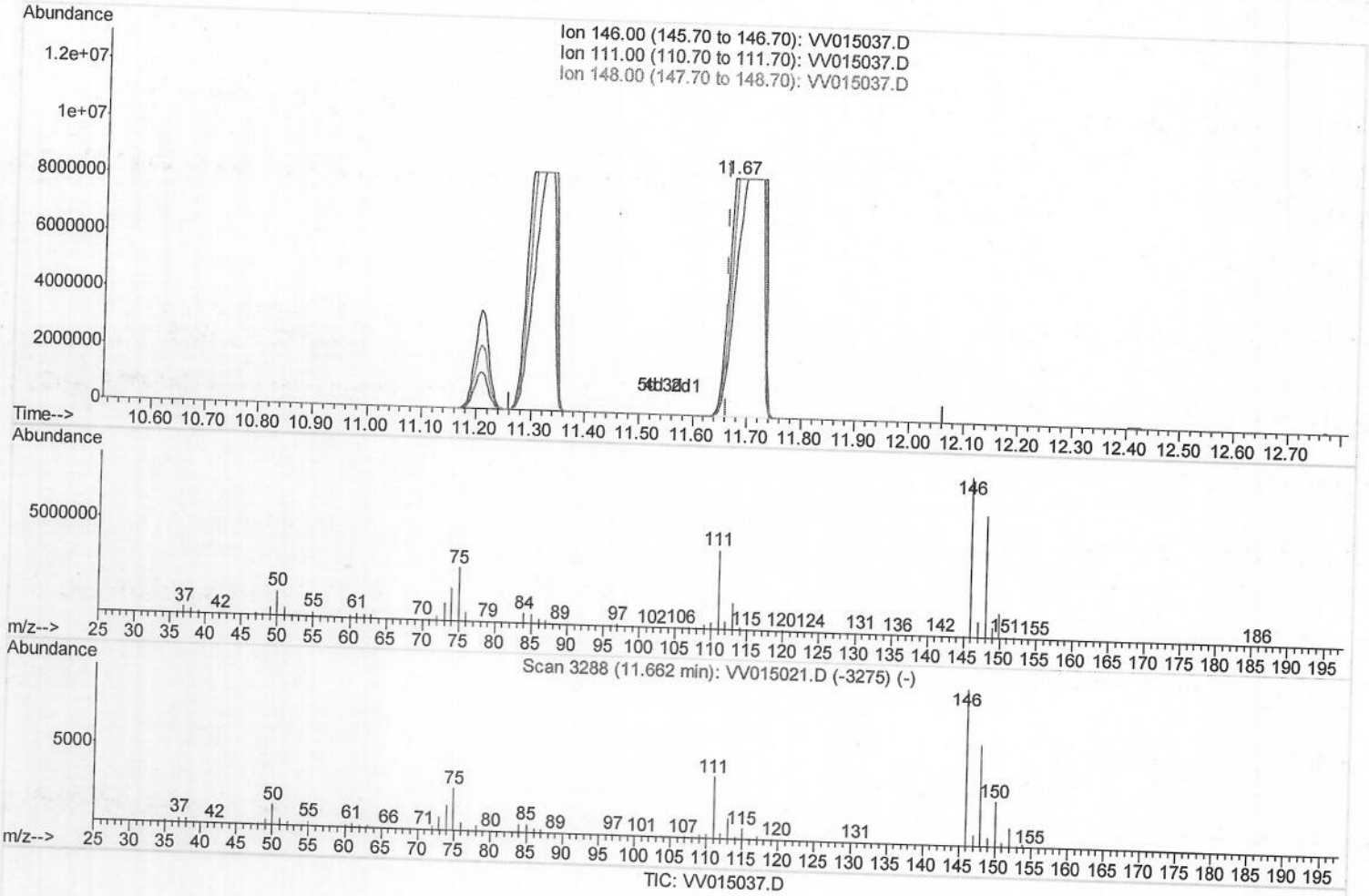
Quantitation Report (Qedit)

Data File : VV015037.D
Acq On : 19 Mar 2020 00:51
Operator : SY/MD
Sample : L1941-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 19 04:13:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
C0DL7

Manual Integrations APPROVED
sam
3/19/2020 11:30:58 AM



(65) 1,2-Dichlorobenzene (T)

11.672min (+0.010) 4745.49ug/L m

response 37226812

Ion	Exp%	Act%
146.00	100	100
111.00	39.40	49.43#
148.00	64.60	76.27
0.00	0.00	0.00

MD
03/30/2020

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

Quantitation Report (Qedit)

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Acq On : 19 Mar 2020 00:51
Operator : SY/MD
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Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

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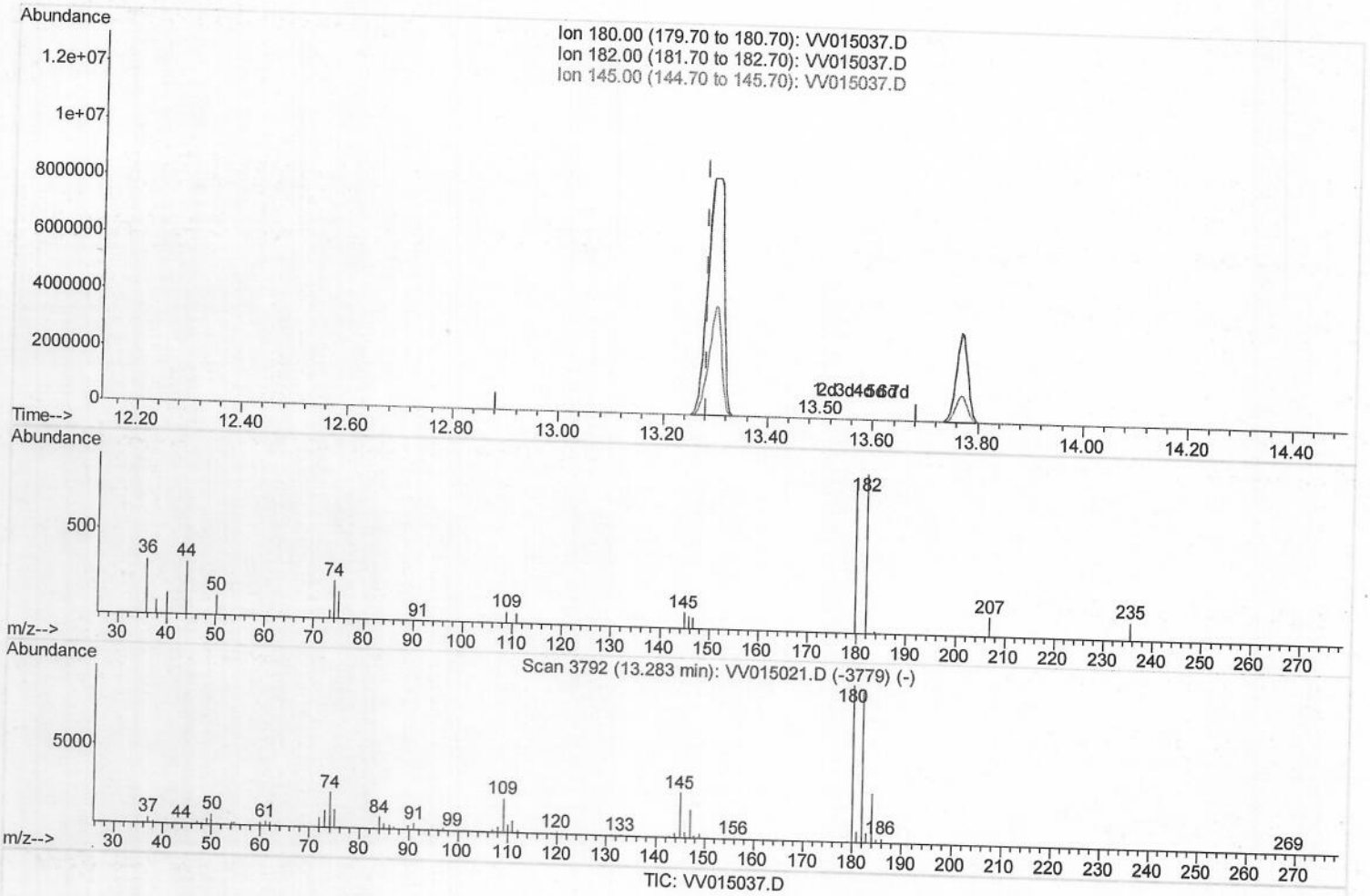
Manual Integrations APPROVED
sam
3/19/2020 11:30:58 AM



(68) 1,2,4-trichlorobenzene (T)

13.495min (+0.212) 0.03ug/L

response 186

Ion	Exp%	Act%
180.00	100	100
182.00	95.40	88.71
145.00	27.80	0.00#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

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ALS Vial : 28 Sample Multiplier: 1

Quantitation Report (Qedit)

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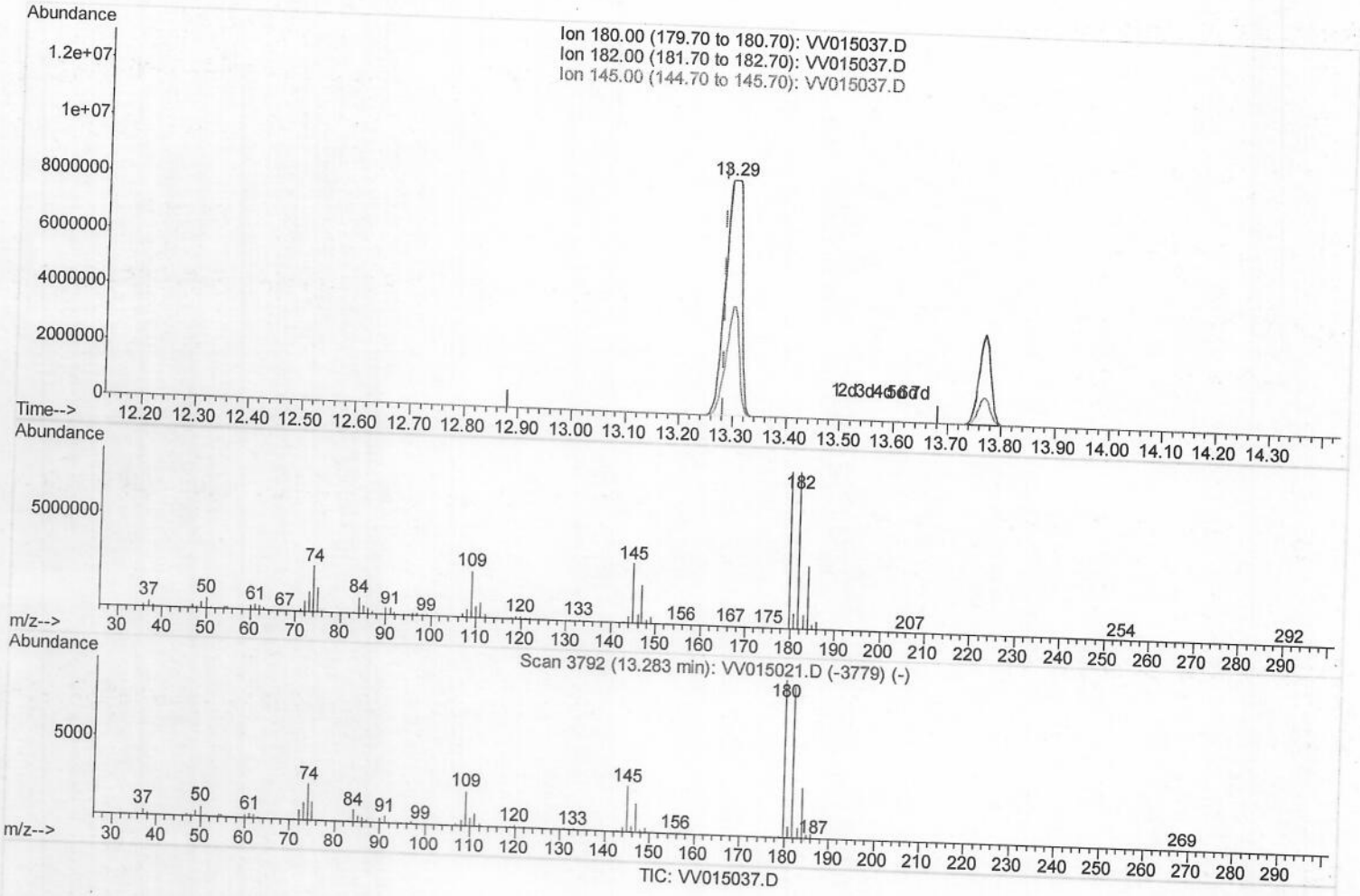
Manual Integrations APPROVED
sam
3/19/2020 11:30:58 AM



(68) 1,2,4-trichlorobenzene (T)

13.292min (+0.010) 3440.51ug/L m

response 18514656

Ion	Exp%	Act%
180.00	100	100
182.00	95.40	0.00#
145.00	27.80	0.00#
0.00	0.00	0.00

MD
03/30/2020

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

Data File : VV015037.D
Acq On : 19 Mar 2020 00:51
Operator : SY/MD
Sample : L1941-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 19 06:05:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration

Quantitation Report (QT Reviewed)

Instrument : MSVOA_V
ClientSampleId : C0DL7

Manual Integrations APPROVED
sam
3/19/2020 11:30:58 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	382132	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	382986	50.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	11.29	152	245367	50.00	ug/L	0.03
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	78992	44.24	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 88.48%			
7) Chloroethane-d5	1.58	69	62829	44.87	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 89.74%			
11) 1,1-Dichloroethene-d2	2.12	63	101298	33.19	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.38%			
21) 2-Butanone-d5	3.93	46	105836m	87.43	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 87.43%			
24) Chloroform-d	4.38	84	193111	42.24	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 84.48%			
26) 1,2-Dichloroethane-d4	5.06	65	129539	45.02	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 90.04%			
32) Benzene-d6	5.08	84	400705	44.09	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.18%			
36) 1,2-Dichloropropane-d6	6.09	67	113356	42.63	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 85.26%			
41) Toluene-d8	7.34	98	394726	43.14	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 86.28%			
43) trans-1,3-Dichloropropene-	7.64	79	56937	40.06	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 80.12%			
47) 2-Hexanone-d5	8.12	63	100519	82.04	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 82.04%			
57) 1,1,2,2-Tetrachloroethane-	10.23	84	167262	41.80	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 83.60%			
64) 1,2-Dichlorobenzene-d4	11.68	152	224990	45.68	ug/L	0.04
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.36%			

Target Compounds						Qvalue
25) Chloroform	4.40	83	30277	6.750	ug/L	97
29) Cyclohexane	4.70	56	9114	2.651	ug/L #	86
31) Carbon tetrachloride	4.86	117	63149	17.008	ug/L	97
33) Benzene	5.13	78	19480623	2077.885	ug/L	100
35) Methylcyclohexane	6.15	83	6635m	1.646	ug/L	
46) Tetrachloroethene	8.00	164	6245	2.590	ug/L	98
48) 2-Hexanone	8.12	43	10450	4.454	ug/L #	77
51) Chlorobenzene	8.90	112	27143389m	3642.573	ug/L	
62) 1,3-Dichlorobenzene	11.21	146	6136312	830.850	ug/L	99
63) 1,4-Dichlorobenzene	11.30	146	30889137m	4017.952	ug/L	
65) 1,2-Dichlorobenzene	11.67	146	37226812m	4745.494	ug/L	
67) 1,3,5-Trichlorobenzene	12.67	180	10290	1.761	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	18514656m	3440.509	ug/L	
70) 1,2,3-Trichlorobenzene	13.77	180	4938963	934.190	ug/L	98

MD 03/30/2020
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MD 03/30/2020
MD 03/30/2020

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

SOMVLM031820WMA.M Thu Mar 19 06:04:11 2020

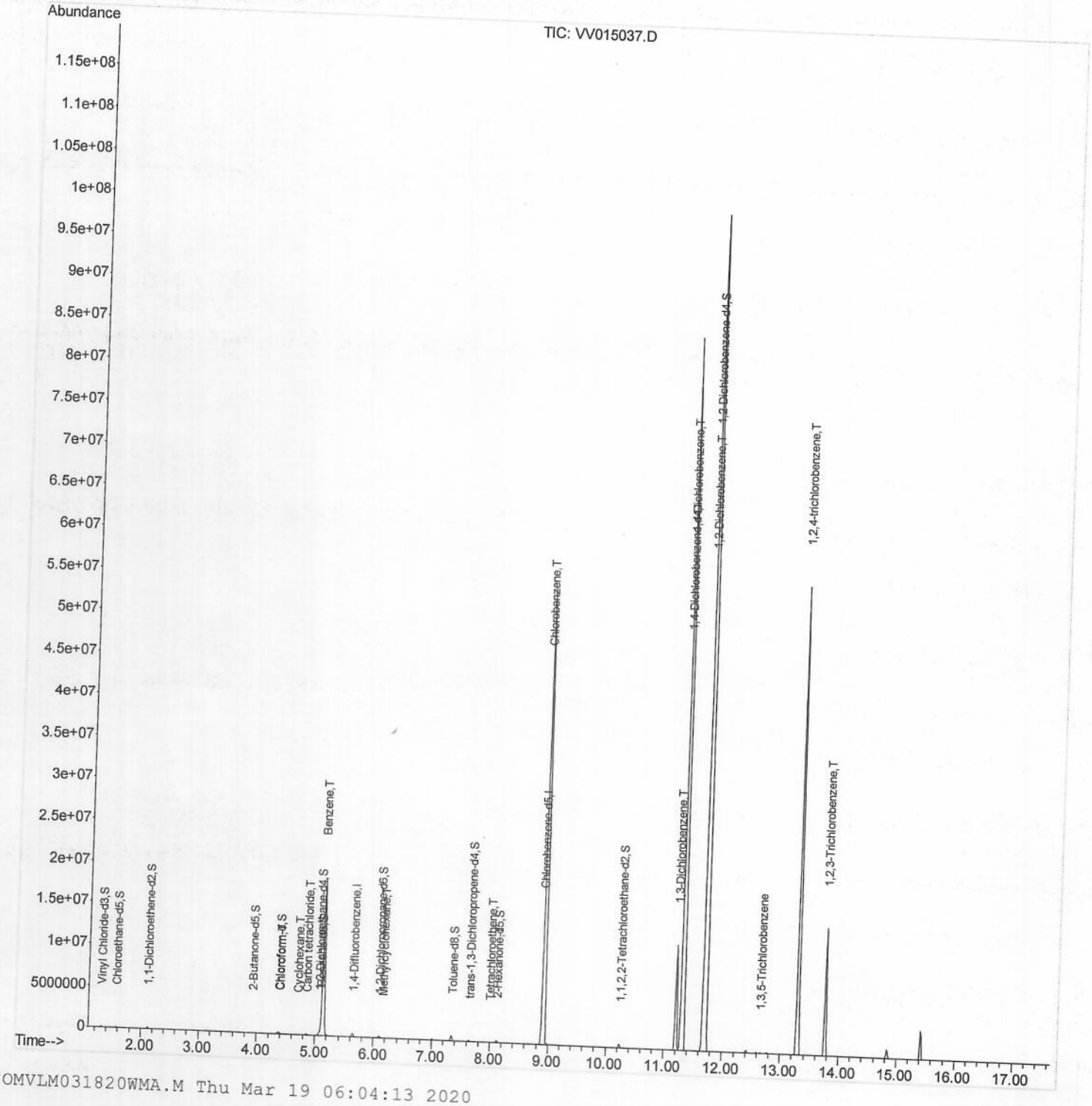
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV031820\

Data File : VV015037.D Quantitation Report (QT Reviewed)
Acq On : 19 Mar 2020 00:51
Operator : SY/MD
Sample : L1941-17
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 19 06:05:25 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM031820WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 19 04:08:09 2020
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
C0DL7

Manual Integrations APPROVED
sam
3/19/2020 11:30:58 AM



SOMVLM031820WMA.M Thu Mar 19 06:04:13 2020