Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009859.D
Acq On : 10 Apr 2019 01:28
Operator : SY/VA
Sample : K2327-16
Misc : 6.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 10 06:01:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 10 04:42:28 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF117

Manual Integrations APPROVED
MMDadoda
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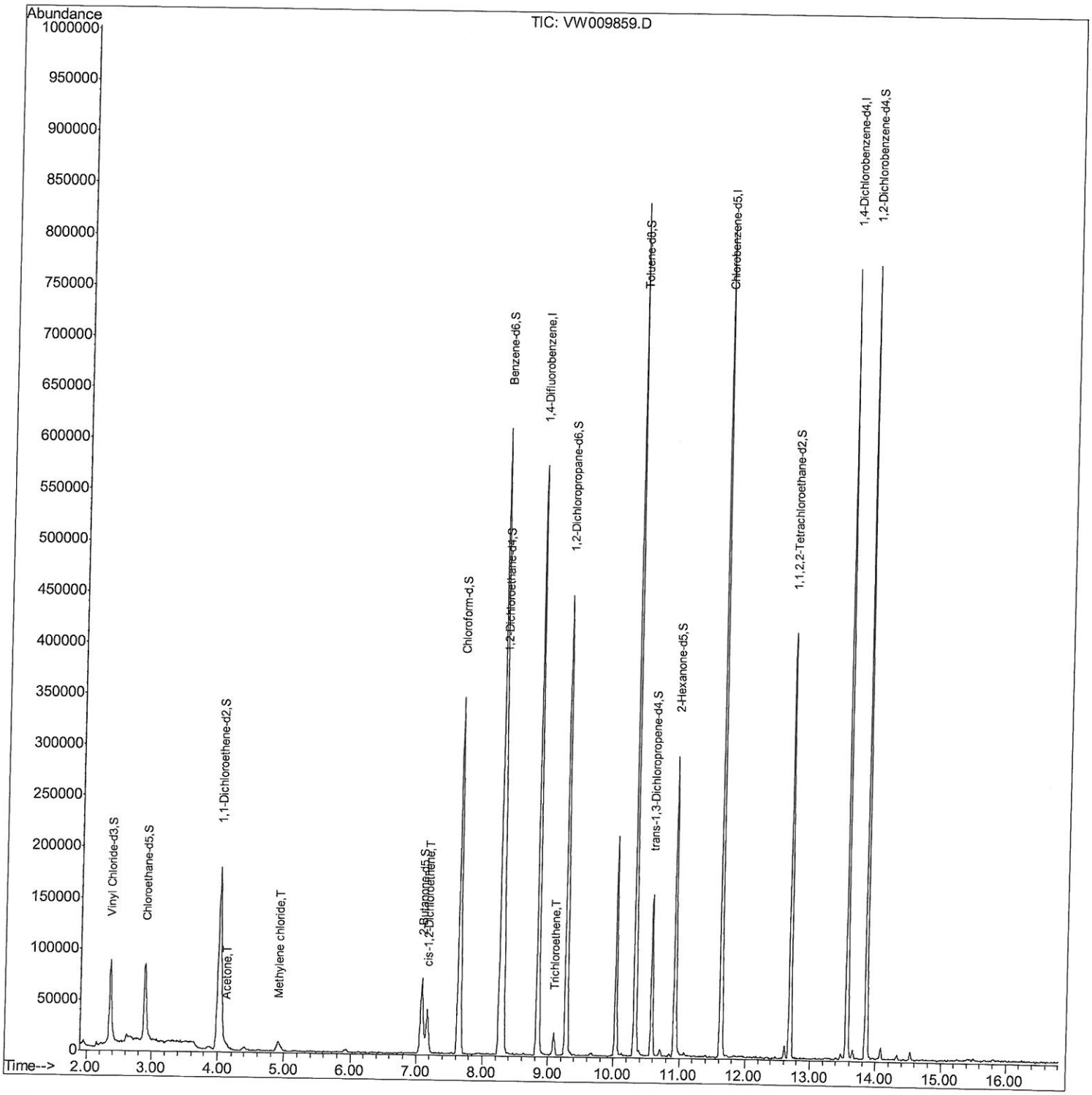

Quantitation Report (Qedit)

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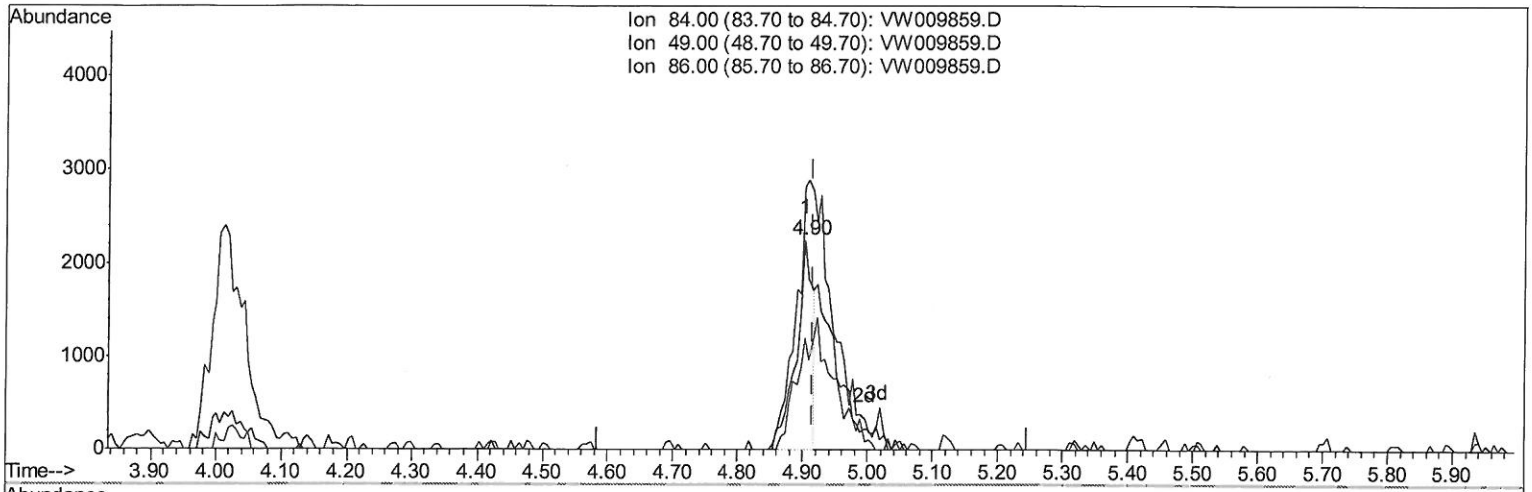

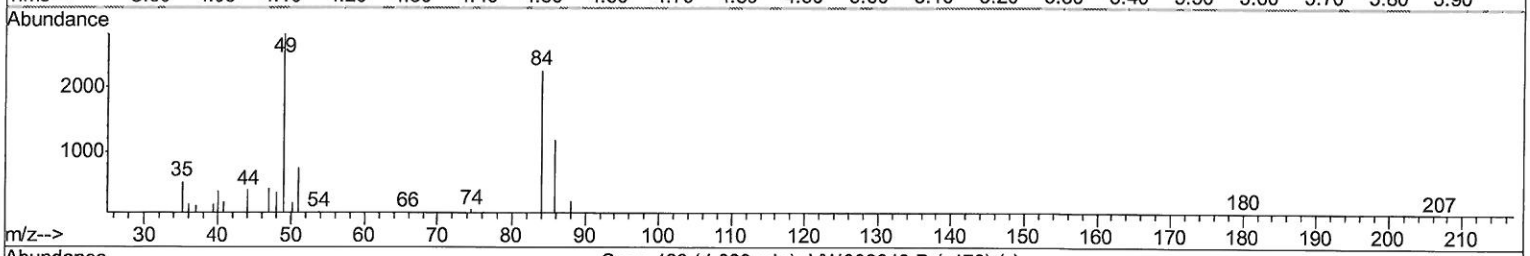

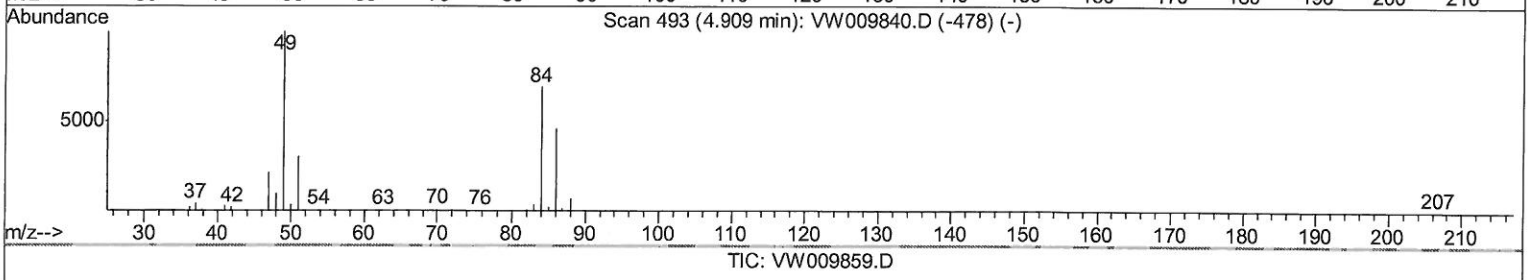

TIC: VW009859.D

(16) Methylene chloride (T)

4.903min (-0.012) 0.50ug/L

response 3862

Ion	Exp%	Act%
84.00	100	100
49.00	140.40	125.02
86.00	66.30	53.16
0.00	0.00	0.00

Quantitation Report (Qedit)

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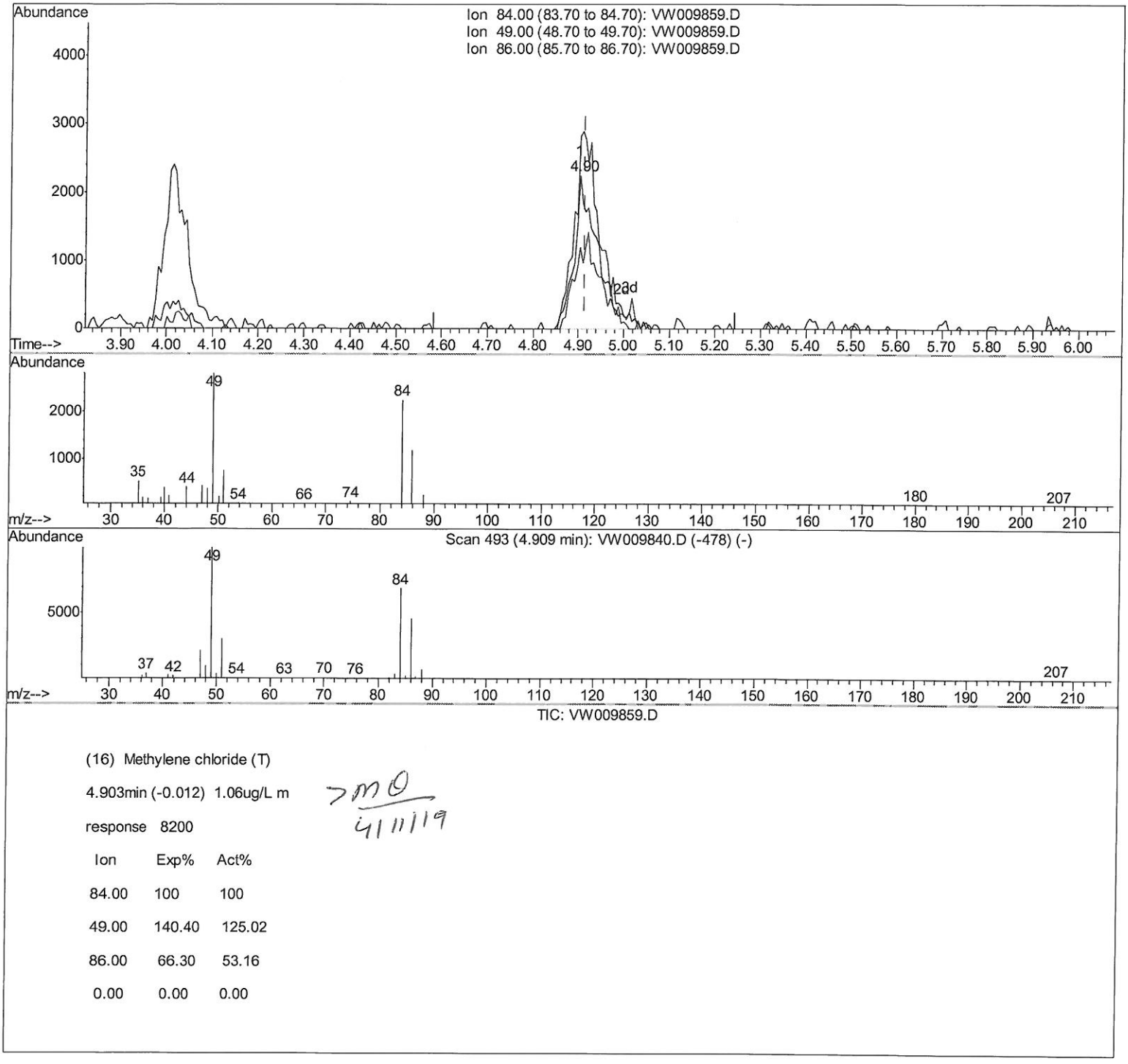

TIC: VW009859.D

(16) Methylene chloride (T)

4.903min (-0.012) 1.06ug/L m

response 8200

Ion	Exp%	Act%
84.00	100	100
49.00	140.40	125.02
86.00	66.30	53.16
0.00	0.00	0.00

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Quantitation Report (Qedit)

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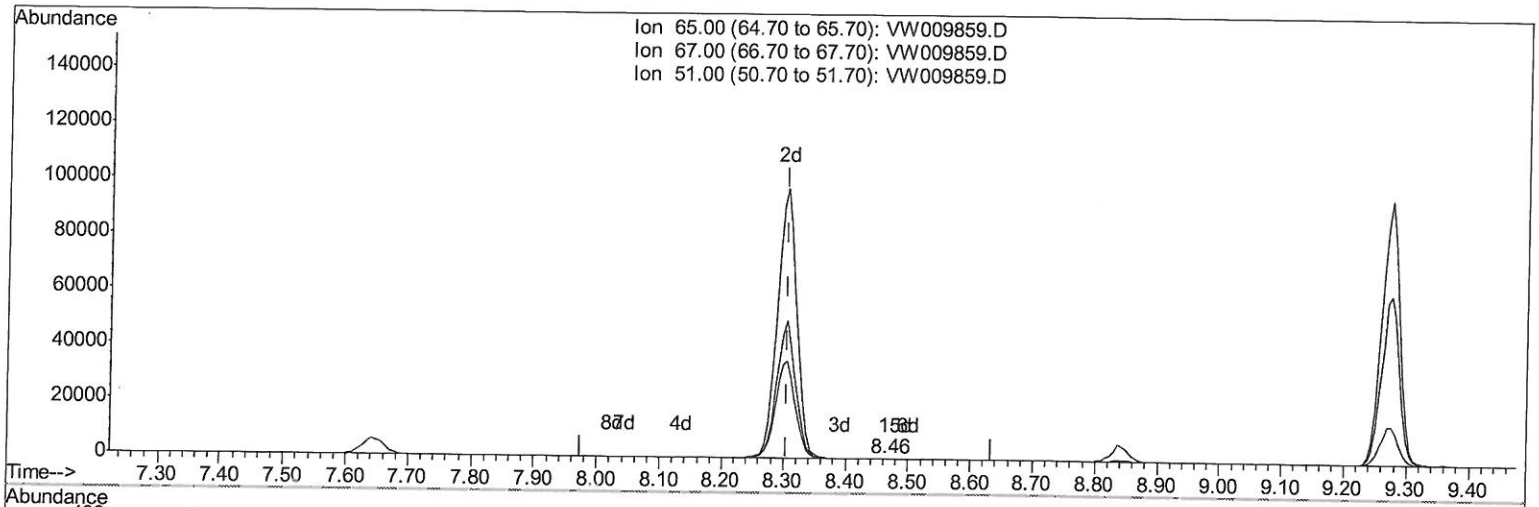

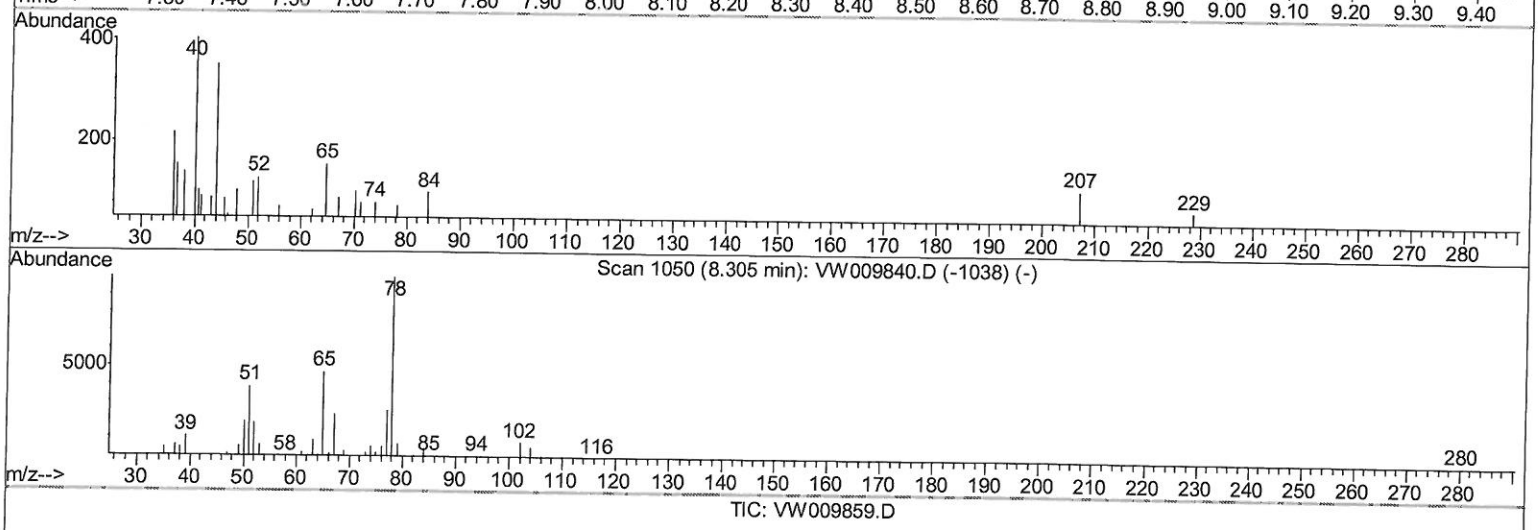

TIC: VW009859.D

(26) 1,2-Dichloroethane-d4 (S)

8.463min (+0.159) 0.02ug/L

response 155

Ion	Exp%	Act%
65.00	100	100
67.00	50.90	53.55
51.00	109.90	110.32
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
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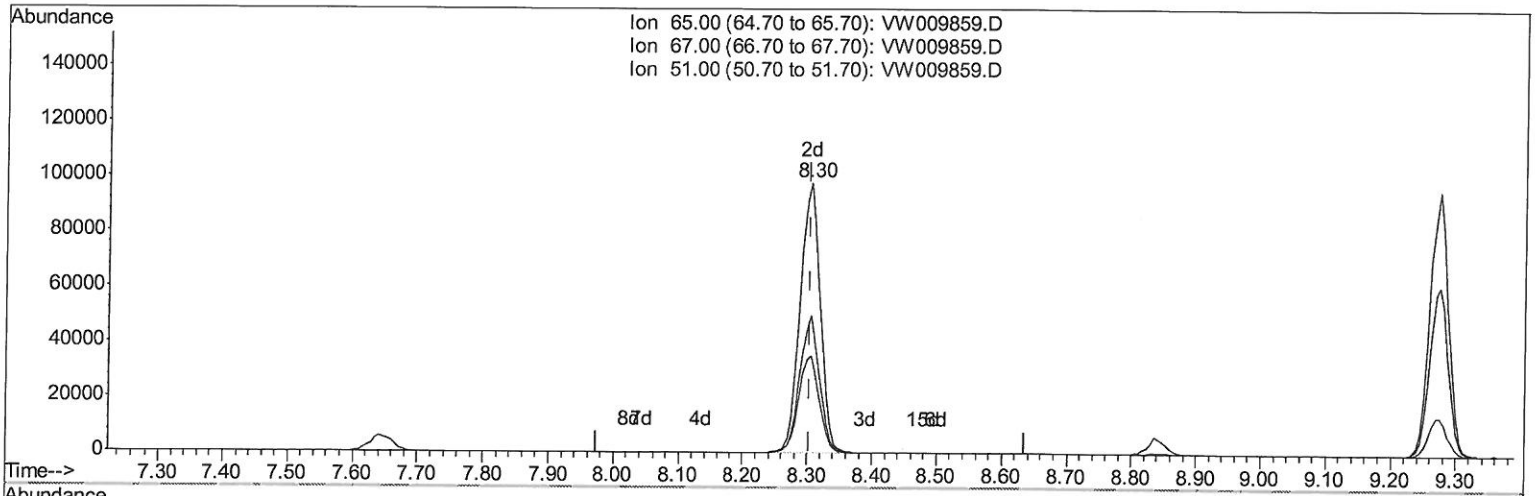

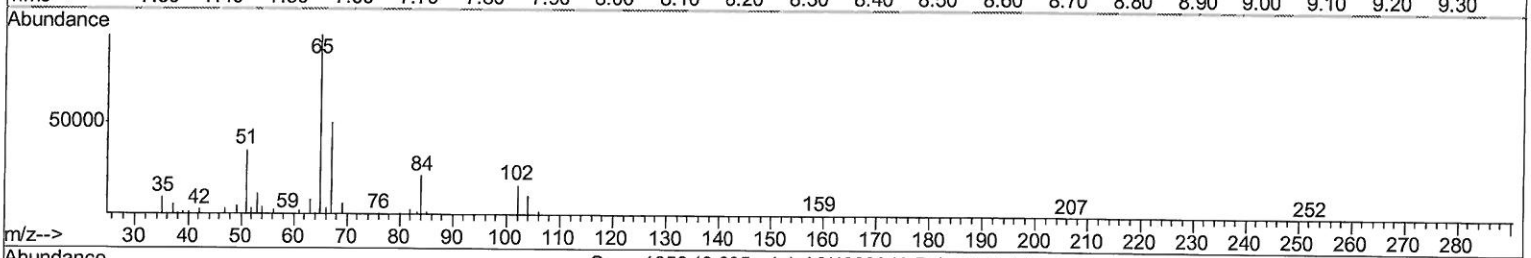

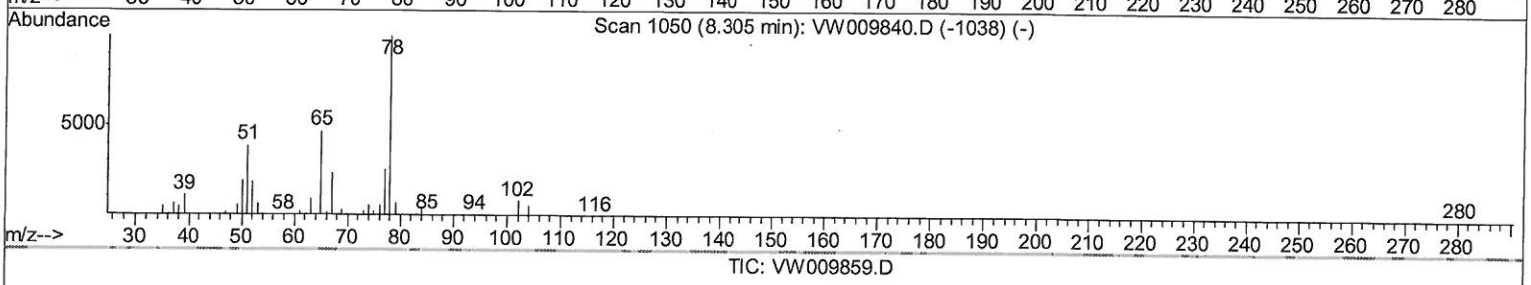

TIC: VW009859.D

(26) 1,2-Dichloroethane-d4 (S)

8.305min (+0.000) 28.74ug/L m

response 210893

Ion	Exp%	Act%
65.00	100	100
67.00	50.90	0.04#
51.00	109.90	0.08#
0.00	0.00	0.00

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4/11/19

Quantitation Report (QT Reviewed)

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Instrument : MSVOA_W
ClientSampleId : BF117

Manual Integrations APPROVED
MMDadoda
4/11/2019 2:06:07 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	437999	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	421034	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	175263	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.36	65	121428	21.19	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.76%			
7) Chloroethane-d5	2.90	69	113480	21.61	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.44%			
10) 1,1-Dichloroethene-d2	4.02	63	231372	18.77	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 75.08%			
20) 2-Butanone-d5	7.07	46	122929	66.06	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 132.12%			
24) Chloroform-d	7.65	84	317303	26.55	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 106.20%			
26) 1,2-Dichloroethane-d4	8.30	65	210893m	28.74	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 114.96%			
29) Benzene-d6	8.27	84	584261	26.43	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 105.72%			
33) 1,2-Dichloropropane-d6	9.27	67	187375	27.45	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 109.80%			
37) Toluene-d8	10.32	98	509215	24.92	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 99.68%			
38) trans-1,3-Dichloropropene-	10.58	79	76242	23.42	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 93.68%			
39) 2-Hexanone-d5	10.93	63	76612	59.54	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 119.08%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	187516	29.55	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 118.20%			
61) 1,2-Dichlorobenzene-d4	13.86	152	187121	30.43	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 121.72%#			

Target Compounds						Qvalue
13) Acetone	4.12	43	4057	2.035	ug/L	85
16) Methylene chloride	4.90	84	8200m	1.062	ug/L	
22) cis-1,2-Dichloroethene	7.16	96	21510	3.324	ug/L	91
35) Trichloroethene	9.09	95	6585	0.993	ug/L	95

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MMD 4/11/19

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

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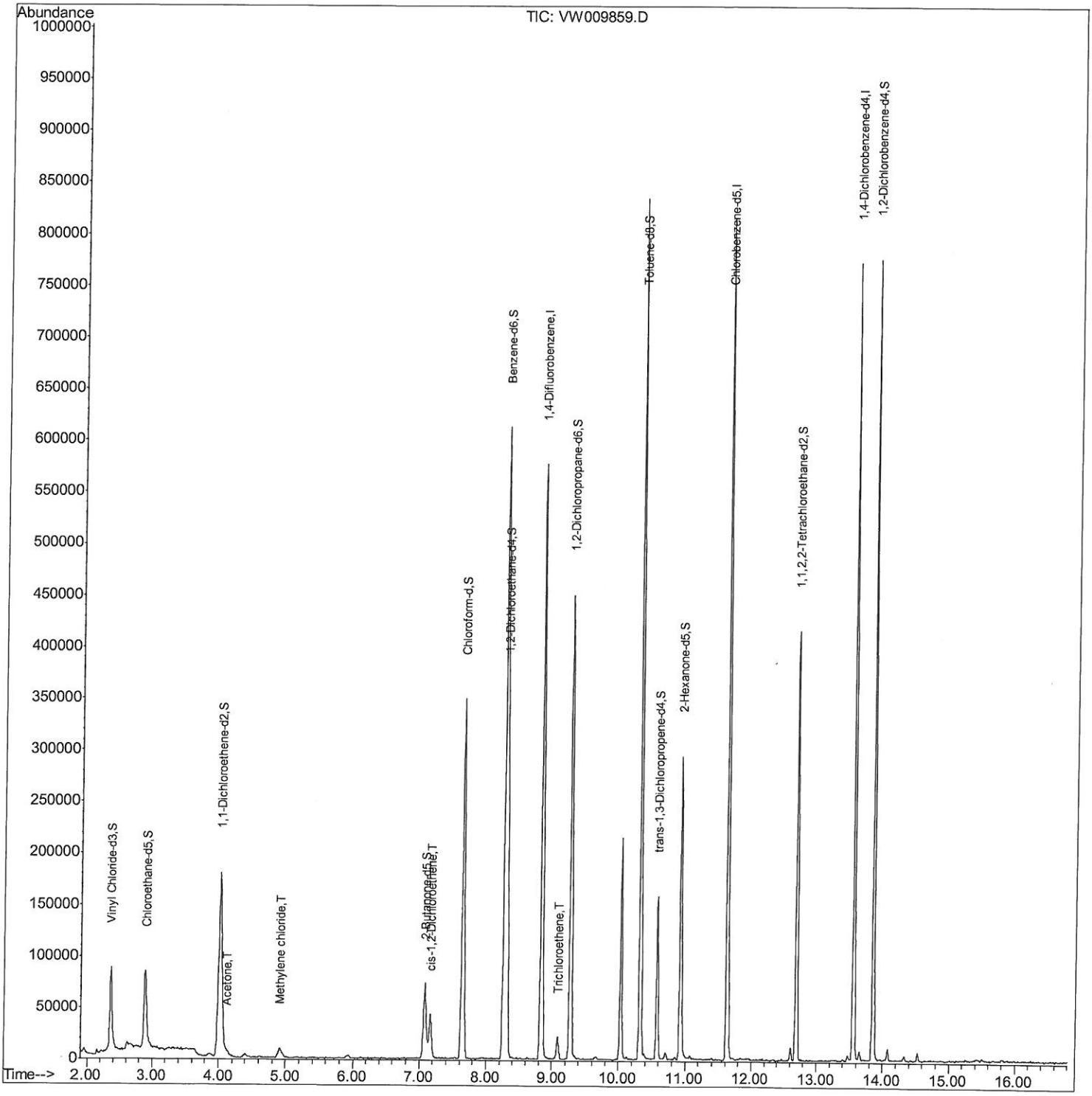
Manual Integrations APPROVED
MMDadoda
4/11/2019 2:06:07 PM



Quantitation Report (Qedit)

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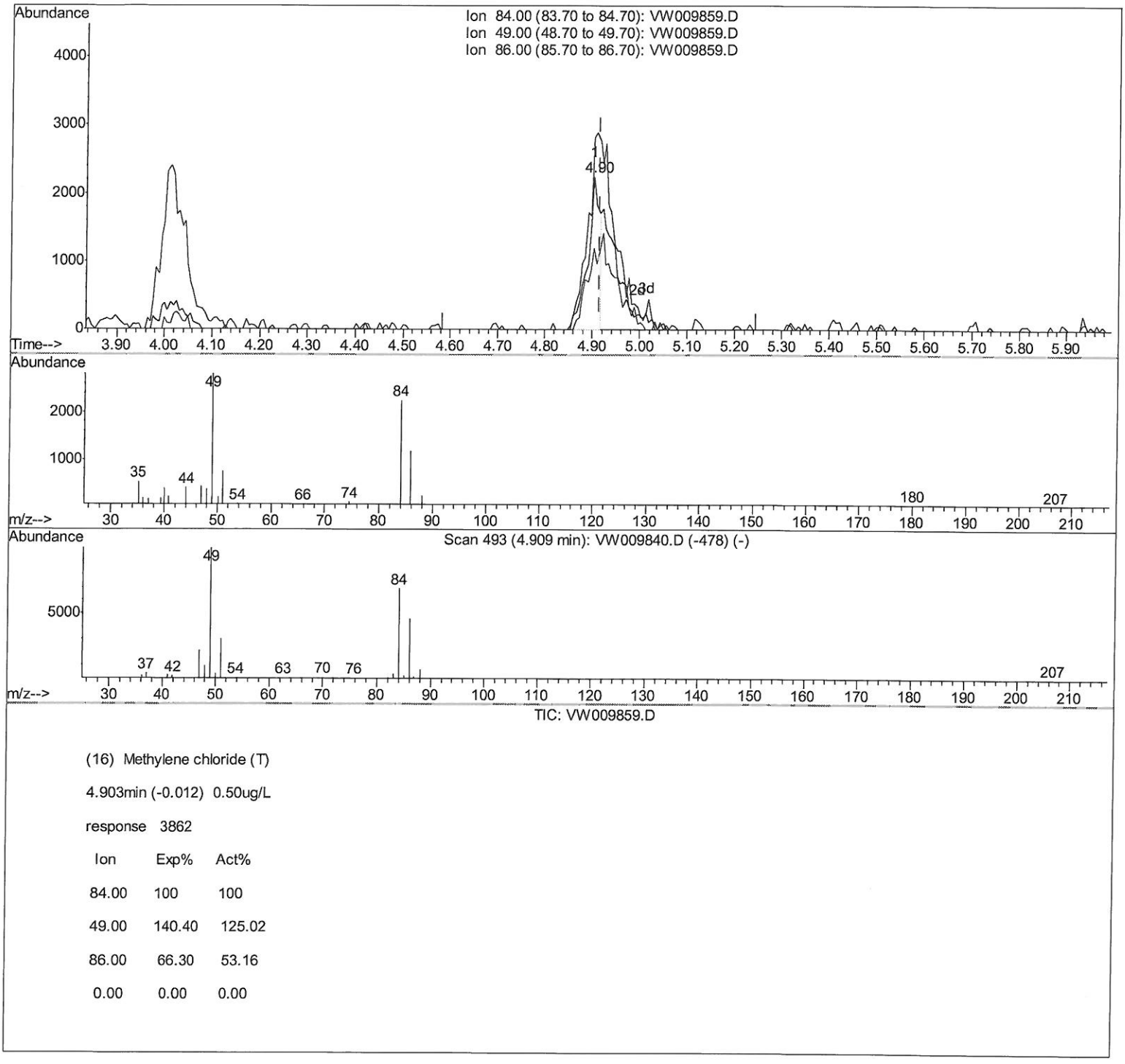

TIC: VW009859.D

(16) Methylene chloride (T)

4.903min (-0.012) 0.50ug/L

response 3862

Ion	Exp%	Act%
84.00	100	100
49.00	140.40	125.02
86.00	66.30	53.16
0.00	0.00	0.00

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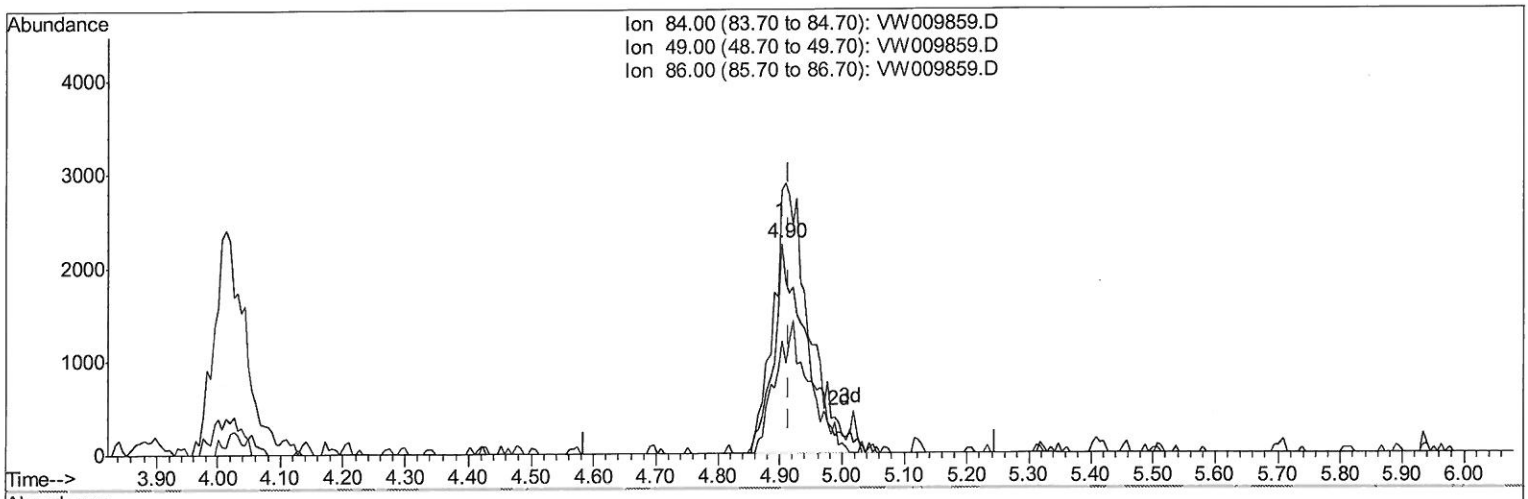

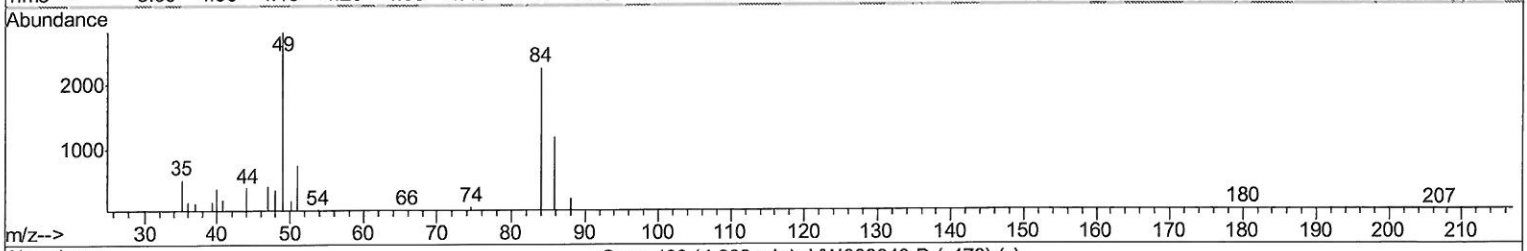

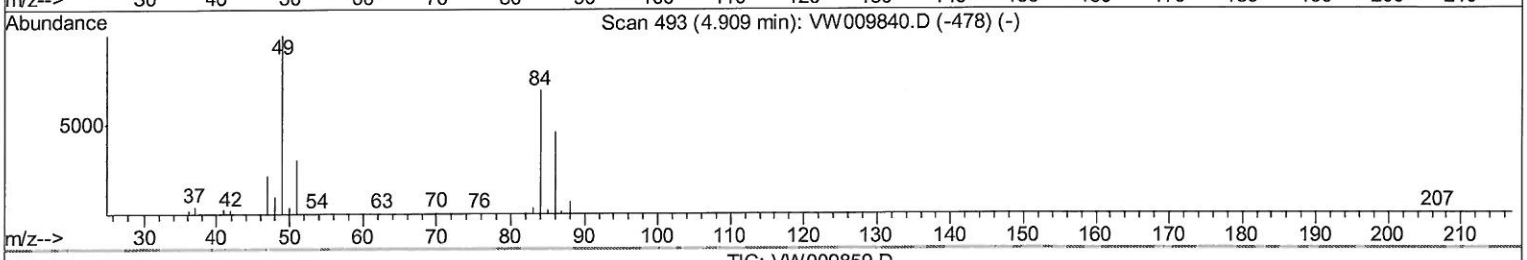

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(16) Methylene chloride (T)

4.903min (-0.012) 1.06ug/L m

response 8200

7MB 4/11/19

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84.00	100	100
49.00	140.40	125.02
86.00	66.30	53.16
0.00	0.00	0.00

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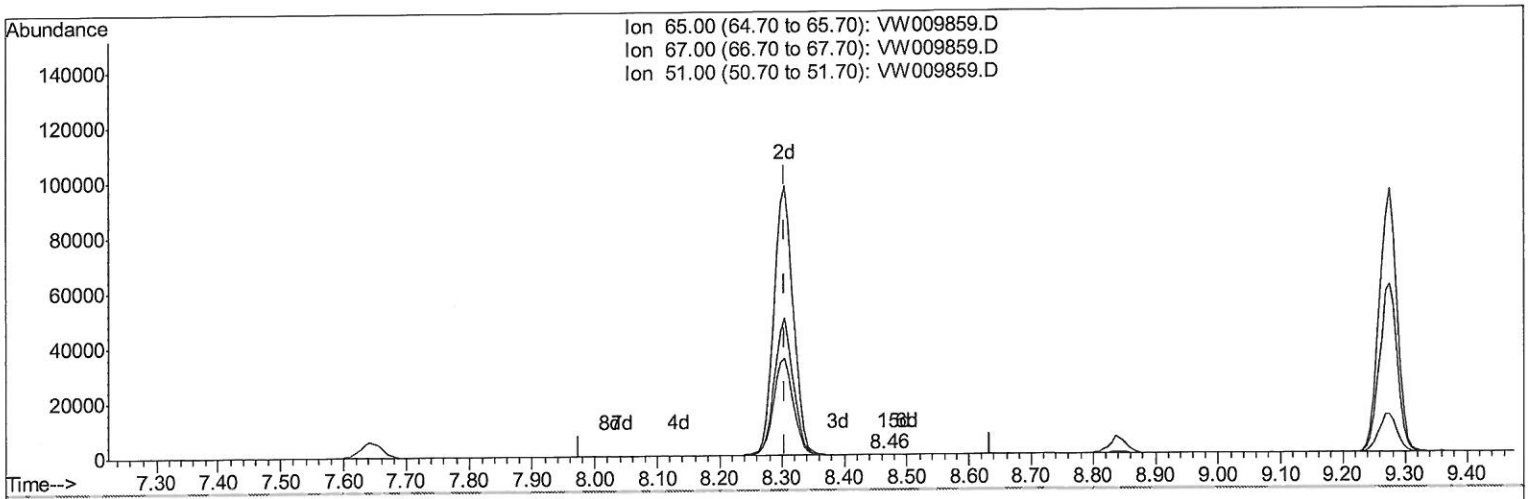

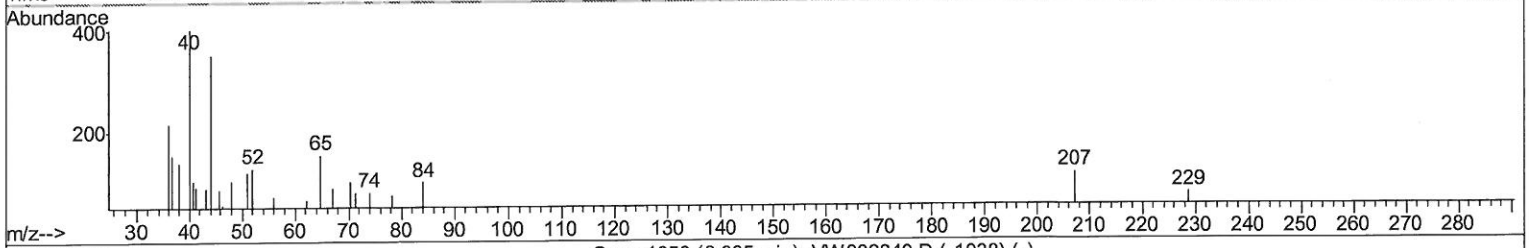

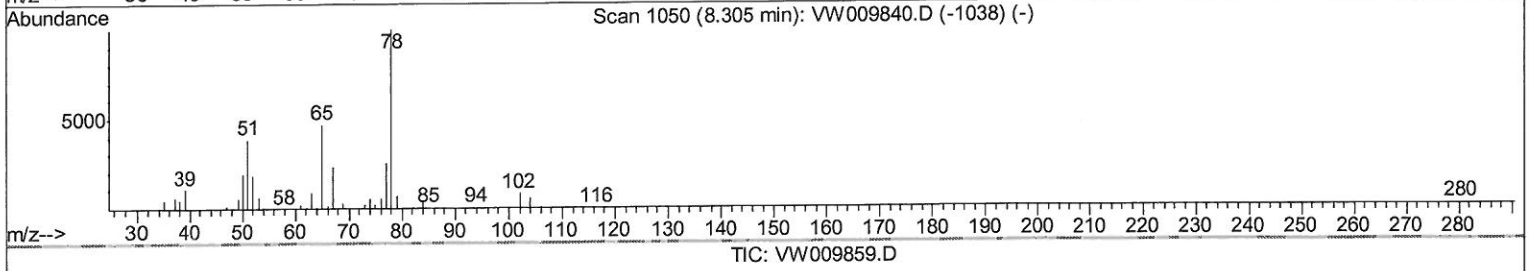

TIC: VW009859.D

(26) 1,2-Dichloroethane-d4 (S)

8.463min (+0.159) 0.02ug/L

response 155

Ion	Exp%	Act%
65.00	100	100
67.00	50.90	53.55
51.00	109.90	110.32
0.00	0.00	0.00

Quantitation Report (Qedit)

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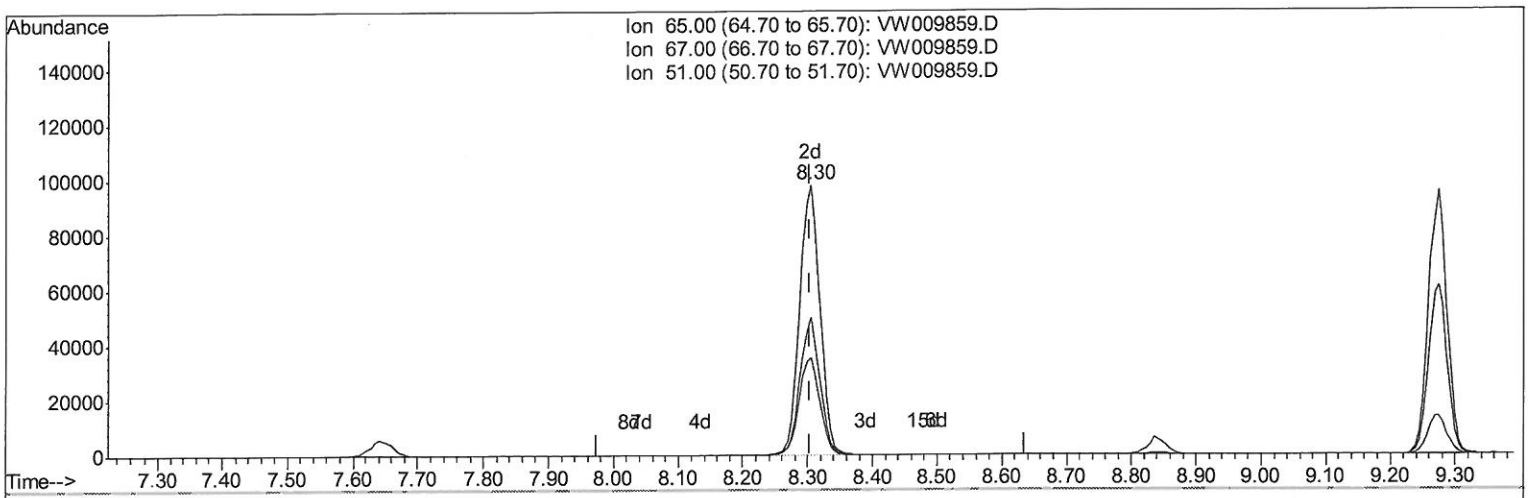

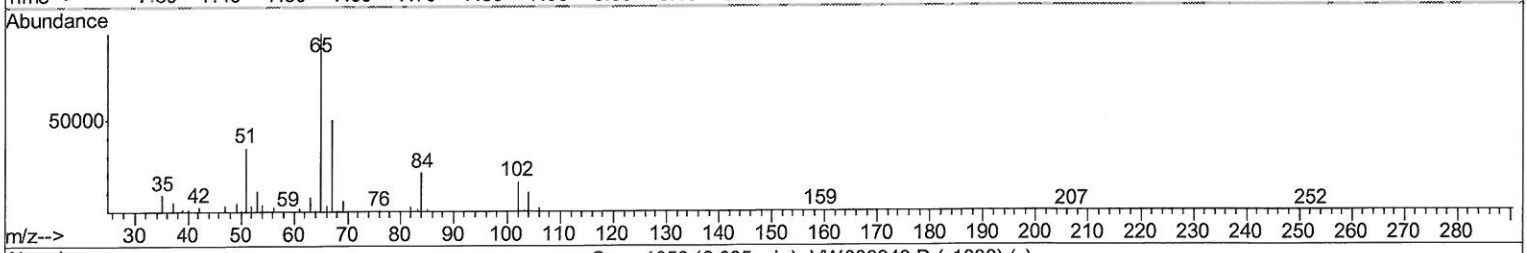

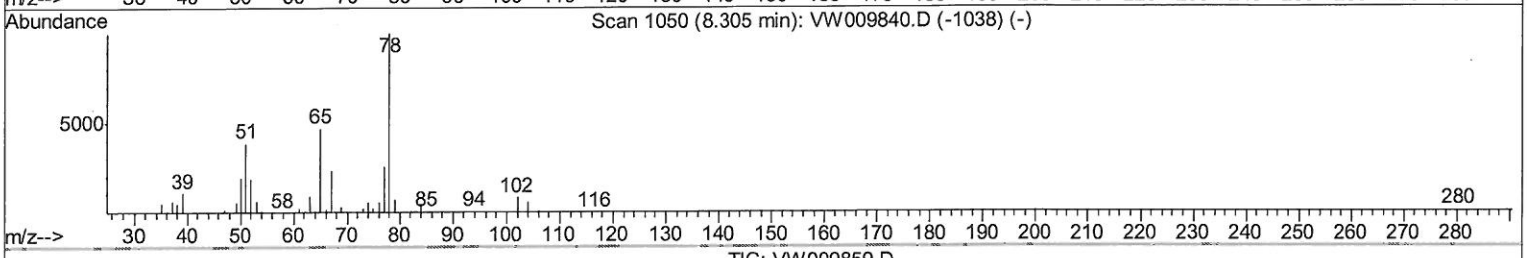

TIC: VW009859.D

(26) 1,2-Dichloroethane-d4 (S)

8.305min (+0.000) 28.74ug/L m

response 210893

Ion	Exp%	Act%
65.00	100	100
67.00	50.90	0.04#
51.00	109.90	0.08#
0.00	0.00	0.00

JMD
4/11/19

Quantitation Report (QT Reviewed)

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28) Chlorobenzene-d5	11.63	117	421034	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	175263	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.36	65	121428	21.19	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.76%			
7) Chloroethane-d5	2.90	69	113480	21.61	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.44%			
10) 1,1-Dichloroethene-d2	4.02	63	231372	18.77	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 75.08%			
20) 2-Butanone-d5	7.07	46	122929	66.06	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 132.12%			
24) Chloroform-d	7.65	84	317303	26.55	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 106.20%			
26) 1,2-Dichloroethane-d4	8.30	65	210893m	28.74	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 114.96%			
29) Benzene-d6	8.27	84	584261	26.43	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 105.72%			
33) 1,2-Dichloropropane-d6	9.27	67	187375	27.45	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 109.80%			
37) Toluene-d8	10.32	98	509215	24.92	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 99.68%			
38) trans-1,3-Dichloropropene-	10.58	79	76242	23.42	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 93.68%			
39) 2-Hexanone-d5	10.93	63	76612	59.54	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 119.08%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	187516	29.55	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 118.20%			
61) 1,2-Dichlorobenzene-d4	13.86	152	187121	30.43	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 121.72%#			
Target Compounds						Qvalue
13) Acetone	4.12	43	4057	2.035	ug/L	85
16) Methylene chloride	4.90	84	8200m	1.062	ug/L	
22) cis-1,2-Dichloroethene	7.16	96	21510	3.324	ug/L	91
35) Trichloroethene	9.09	95	6585	0.993	ug/L	95

MD 4/11/19

MD 4/11/19

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

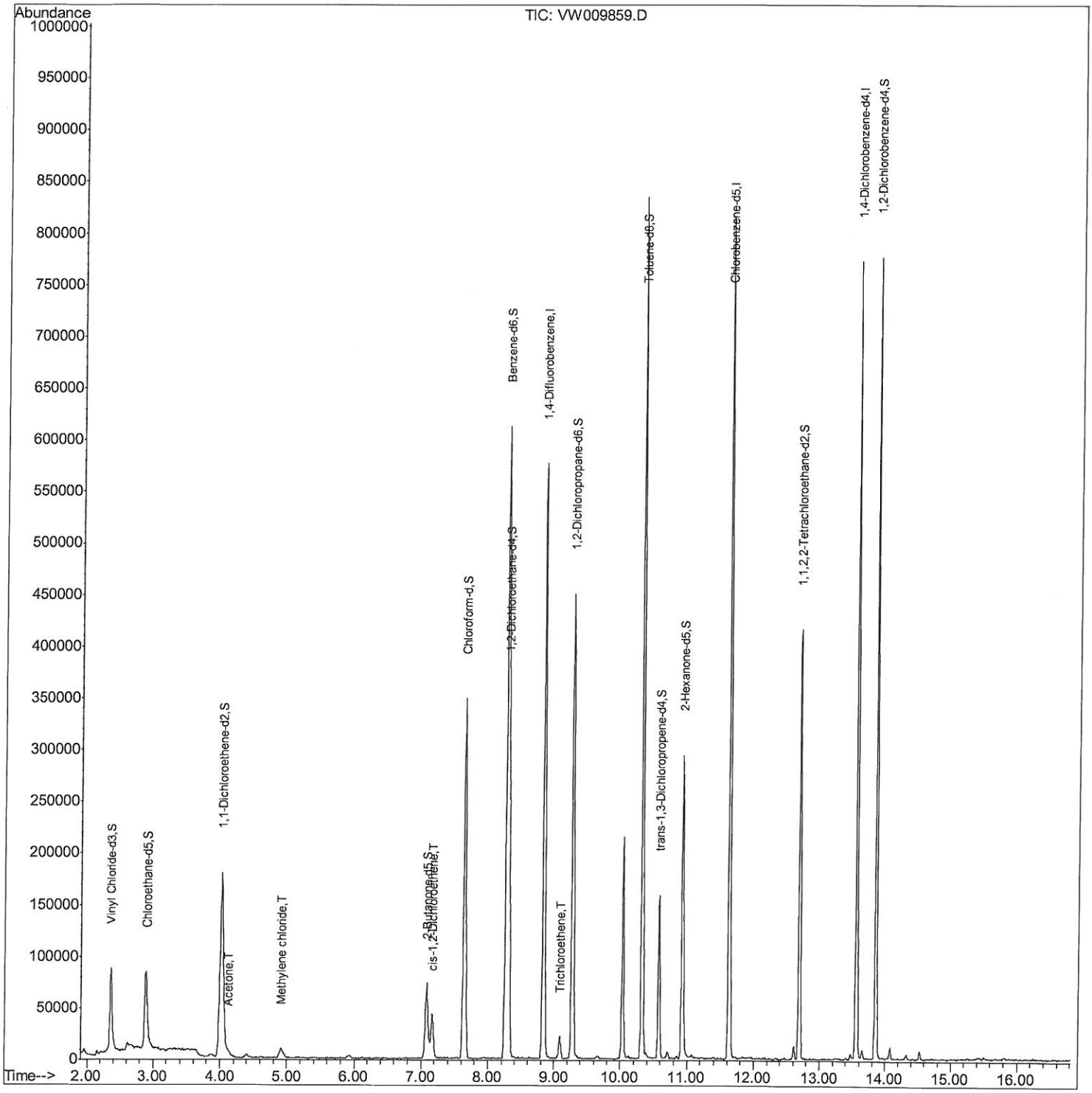
Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009859.D
Acq On : 10 Apr 2019 01:28
Operator : SY/VA
Sample : K2327-16
Misc : 6.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 10 06:01:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 10 04:42:28 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF117

Manual Integrations APPROVED
MMDadoda
4/11/2019 2:06:07 PM



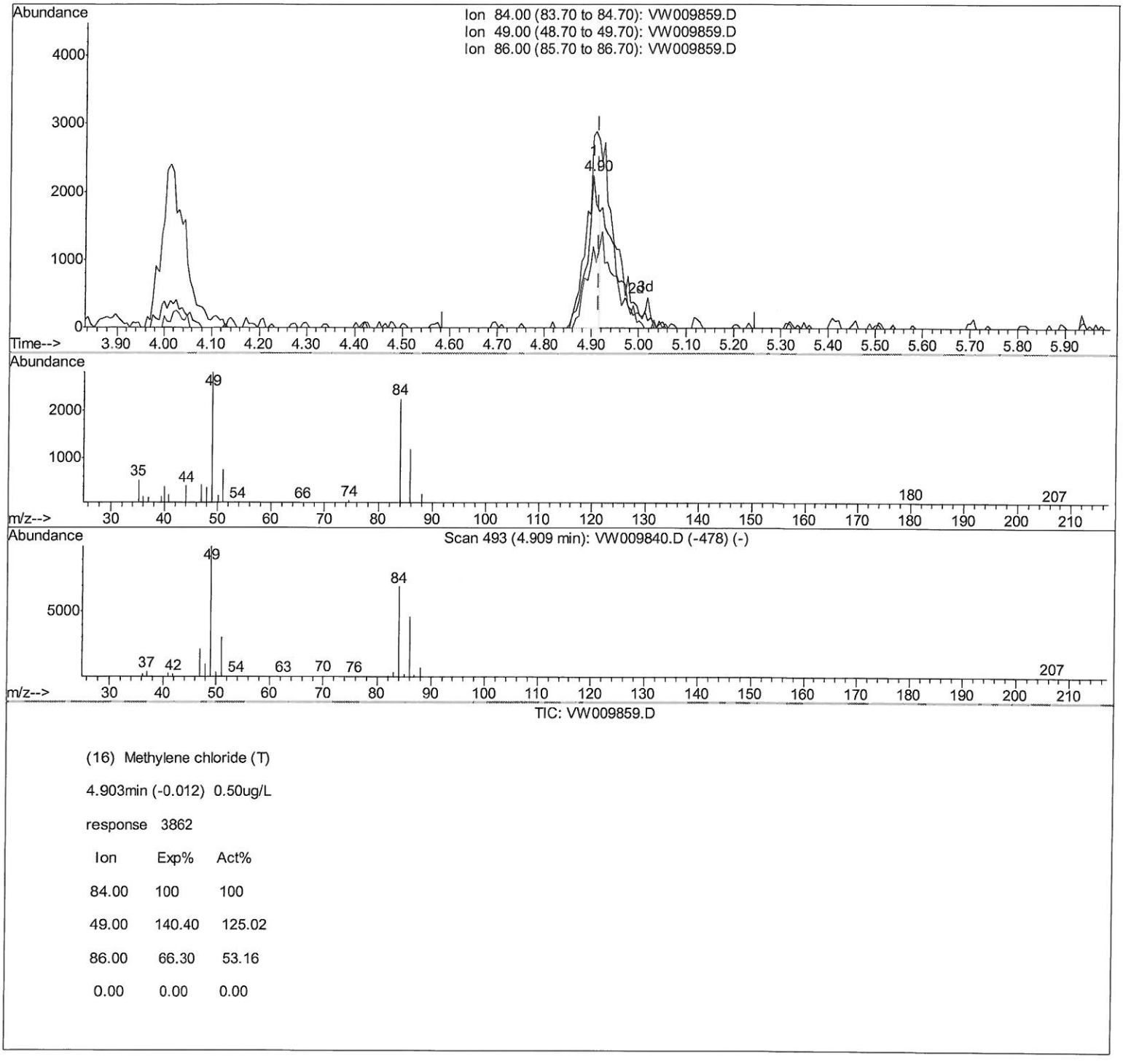
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009859.D
Acq On : 10 Apr 2019 01:28
Operator : SY/VA
Sample : K2327-16
Misc : 6.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 10 04:47:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 10 04:42:28 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF117

Manual Integrations APPROVED
MMDadoda
4/11/2019 2:06:07 PM



TIC: VW009859.D

(16) Methylene chloride (T)

4.903min (-0.012) 0.50ug/L

response 3862

Ion	Exp%	Act%
84.00	100	100
49.00	140.40	125.02
86.00	66.30	53.16
0.00	0.00	0.00

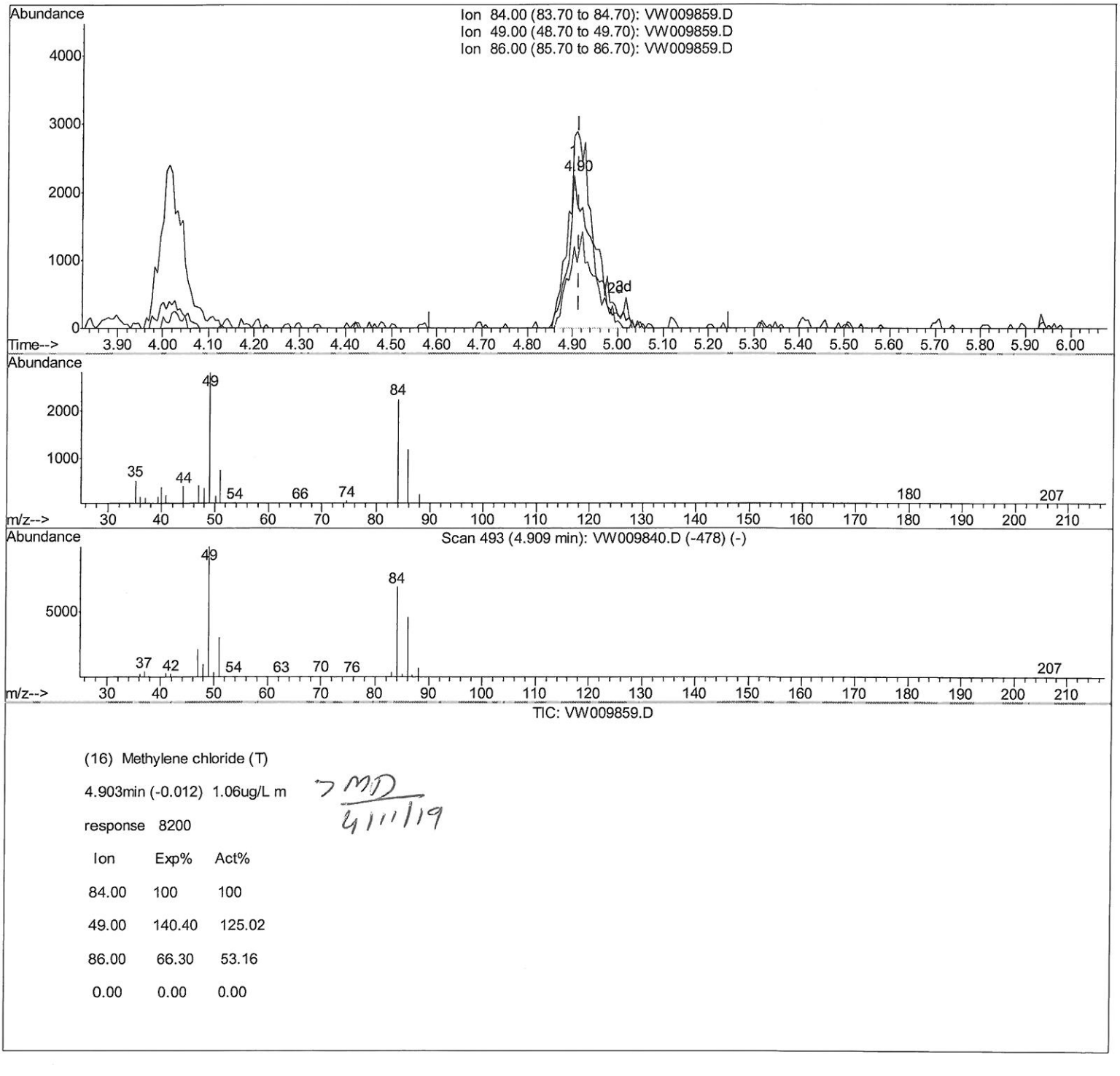
Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009859.D
Acq On : 10 Apr 2019 01:28
Operator : SY/VA
Sample : K2327-16
Misc : 6.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 10 04:47:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM040319S.M
Quant Title : VOC Analysis
QLast Update : Wed Apr 10 04:42:28 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
BF117

Manual Integrations APPROVED
MMDadoda
4/11/2019 2:06:07 PM



TIC: VW009859.D

(16) Methylene chloride (T)

4.903min (-0.012) 1.06ug/L m

response 8200

MD 4/11/19

Ion	Exp%	Act%
84.00	100	100
49.00	140.40	125.02
86.00	66.30	53.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
Data File : VW009859.D
Acq On : 10 Apr 2019 01:28
Operator : SY/VA
Sample : K2327-16
Misc : 6.00G/10ML/MSVOA_W/SOIL
ALS Vial : 2 Sample Multiplier: 1

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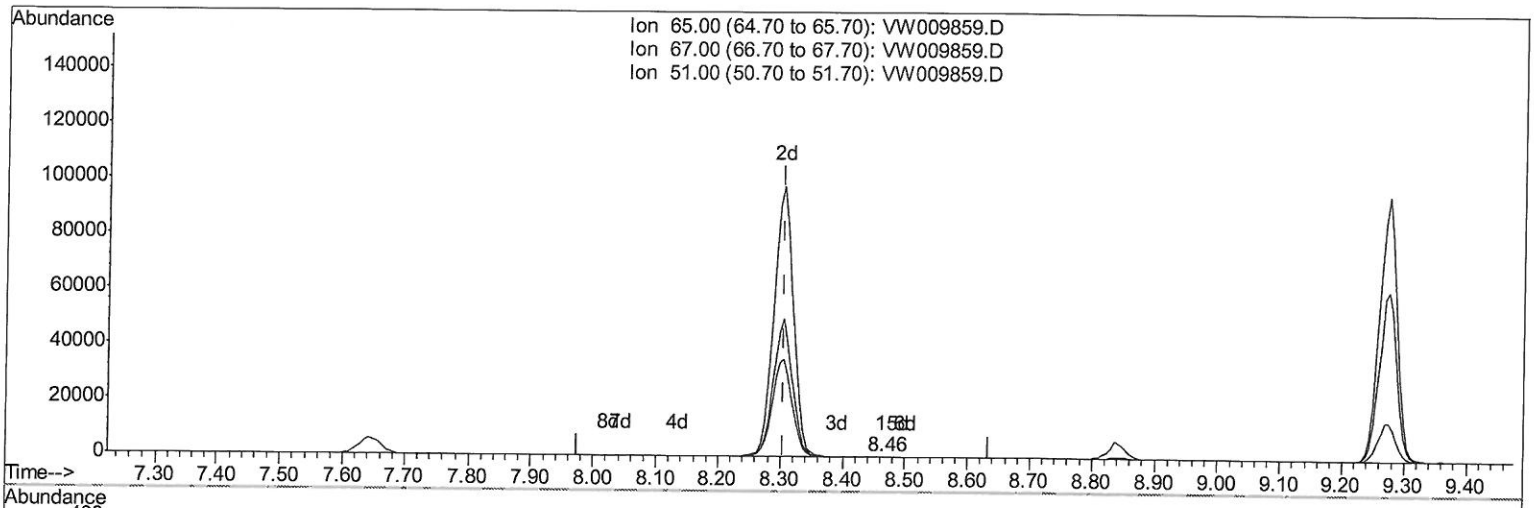
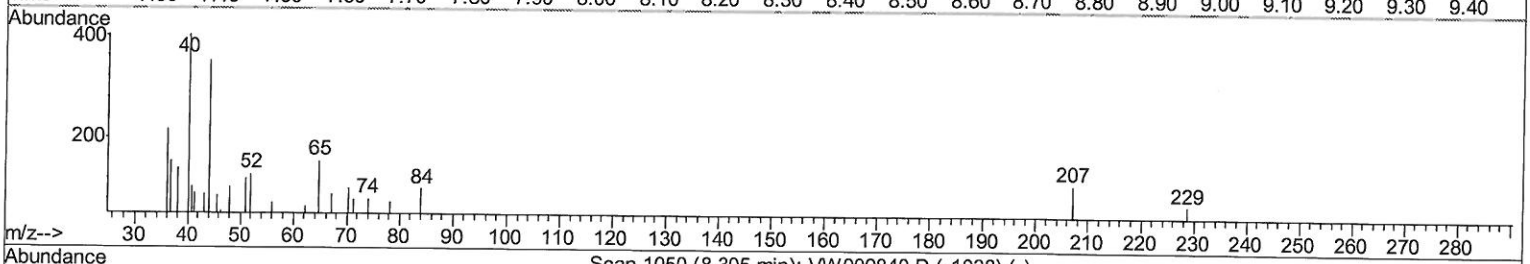
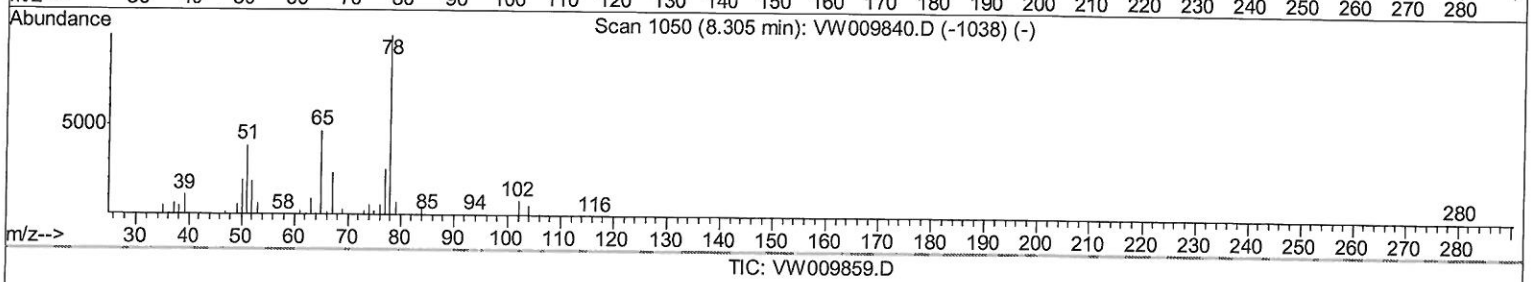
Instrument :
MSVOA_W
ClientSampleId :
BF117

Manual Integrations APPROVED
MMDadoda
4/11/2019 2:06:07 PM







TIC: VW009859.D

(26) 1,2-Dichloroethane-d4 (S)

8.463min (+0.159) 0.02ug/L

response 155

Ion	Exp%	Act%
65.00	100	100
67.00	50.90	53.55
51.00	109.90	110.32
0.00	0.00	0.00

Quantitation Report (Qedit)

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ALS Vial : 2 Sample Multiplier: 1

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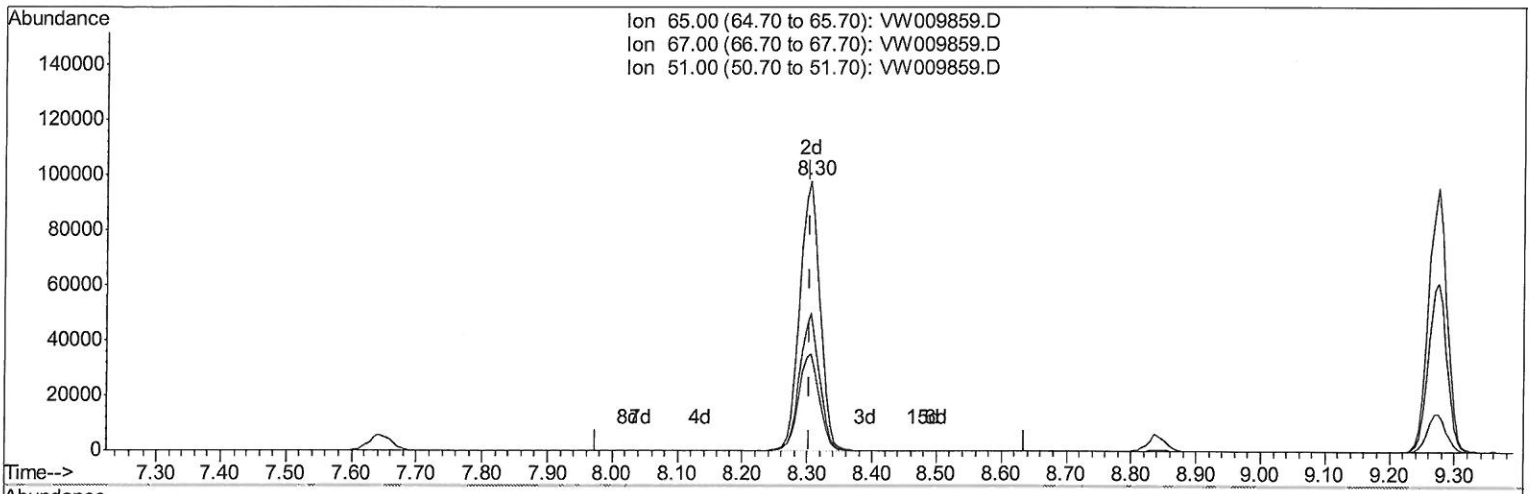
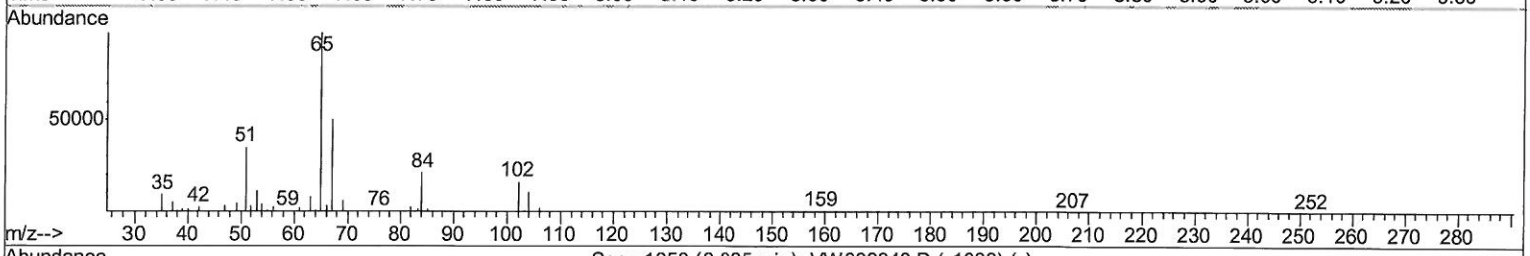
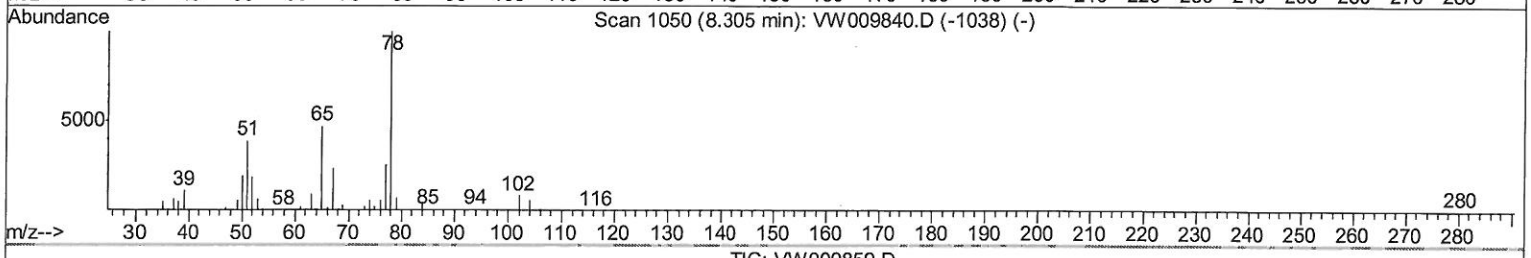
Instrument :
MSVOA_W
ClientSampleId :
BF117

Manual Integrations APPROVED
MMDadoda
4/11/2019 2:06:07 PM







TIC: VW009859.D

(26) 1,2-Dichloroethane-d4 (S)

8.305min (+0.000) 28.74ug/L m

response 210893

Ion	Exp%	Act%
65.00	100	100
67.00	50.90	0.04#
51.00	109.90	0.08#
0.00	0.00	0.00

SMD
4/11/19

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040819\
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ClientSampleId : BF117

Manual Integrations APPROVED
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4/11/2019 2:06:07 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	437999	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	421034	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	175263	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.36	65	121428	21.19	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 84.76%			
7) Chloroethane-d5	2.90	69	113480	21.61	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 86.44%			
10) 1,1-Dichloroethene-d2	4.02	63	231372	18.77	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 75.08%			
20) 2-Butanone-d5	7.07	46	122929	66.06	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 132.12%			
24) Chloroform-d	7.65	84	317303	26.55	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 106.20%			
26) 1,2-Dichloroethane-d4	8.30	65	210893m	28.74	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 114.96%			
29) Benzene-d6	8.27	84	584261	26.43	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 105.72%			
33) 1,2-Dichloropropane-d6	9.27	67	187375	27.45	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 109.80%			
37) Toluene-d8	10.32	98	509215	24.92	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 99.68%			
38) trans-1,3-Dichloropropene-	10.58	79	76242	23.42	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 93.68%			
39) 2-Hexanone-d5	10.93	63	76612	59.54	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 119.08%			
48) 1,1,2,2-Tetrachloroethane-	12.69	84	187516	29.55	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 118.20%			
61) 1,2-Dichlorobenzene-d4	13.86	152	187121	30.43	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 121.72%#			

Target Compounds						Qvalue
13) Acetone	4.12	43	4057	2.035	ug/L	85
16) Methylene chloride	4.90	84	8200m	1.062	ug/L	
22) cis-1,2-Dichloroethene	7.16	96	21510	3.324	ug/L	91
35) Trichloroethene	9.09	95	6585	0.993	ug/L	95

JMD 4/11/19

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