

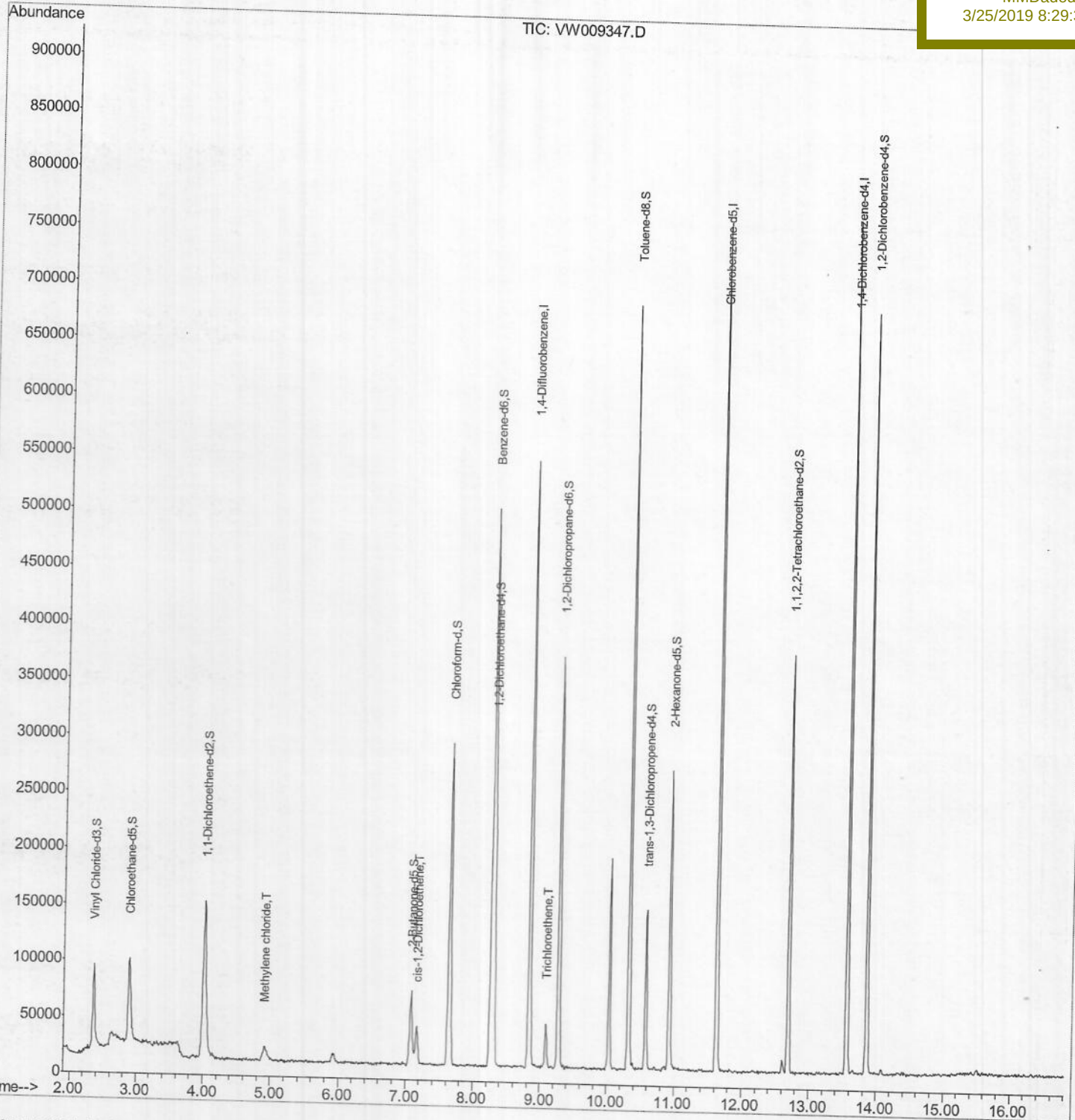
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032219\
 Data File : VW009347.D
 Acq On : 22 Mar 2019 14:37
 Operator : SY/VA
 Sample : K2017-17
 Misc : 5.08G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampled :
 BF0E3

Quant Time: Mar 23 04:55:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 00:14:14 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 8:29:32 AM



Quantitation Report (Qedit)

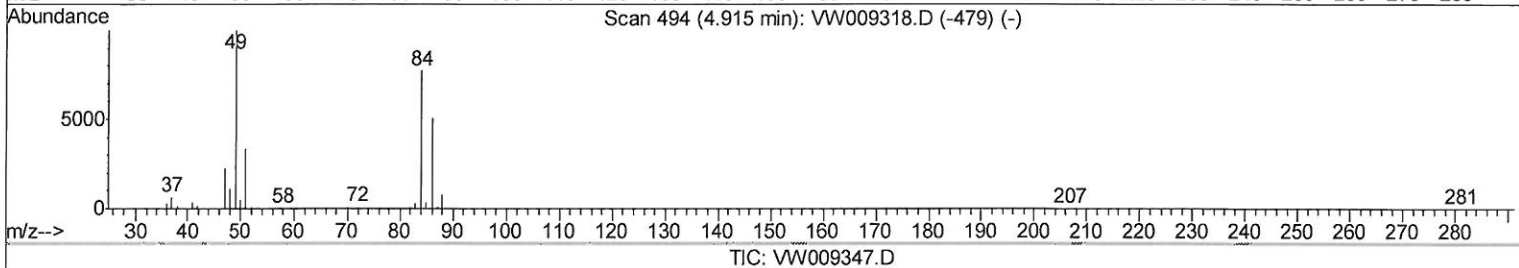
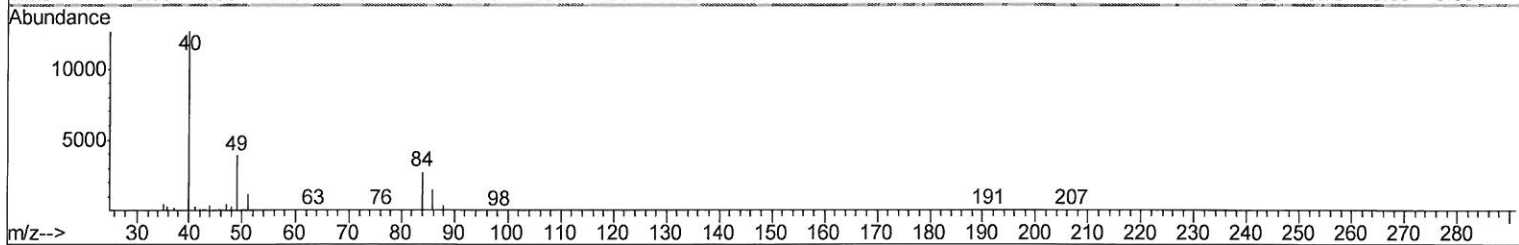
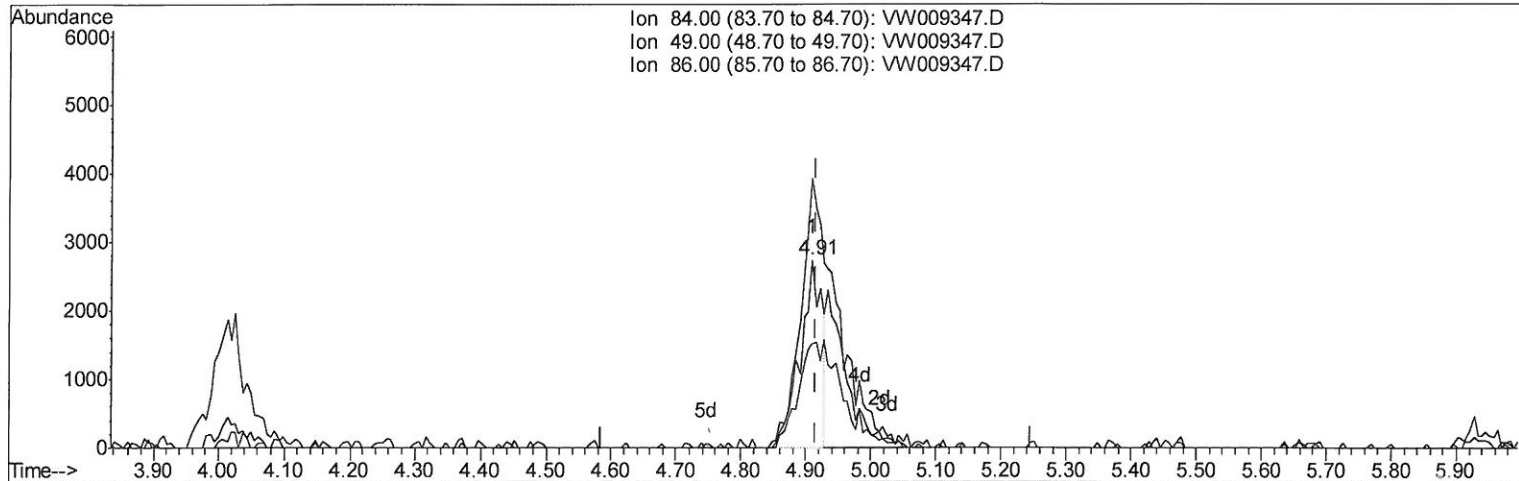
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Manual Integrations
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Quant Time: Mar 23 00:17:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 00:14:14 2019
 Response via : Initial Calibration



(16) Methylene chloride (T)

4.909min (-0.006) 1.08ug/L

response 6438

Ion	Exp%	Act%
84.00	100	100
49.00	137.10	143.45
86.00	63.50	55.28
0.00	0.00	0.00

Quantitation Report (Qedit)

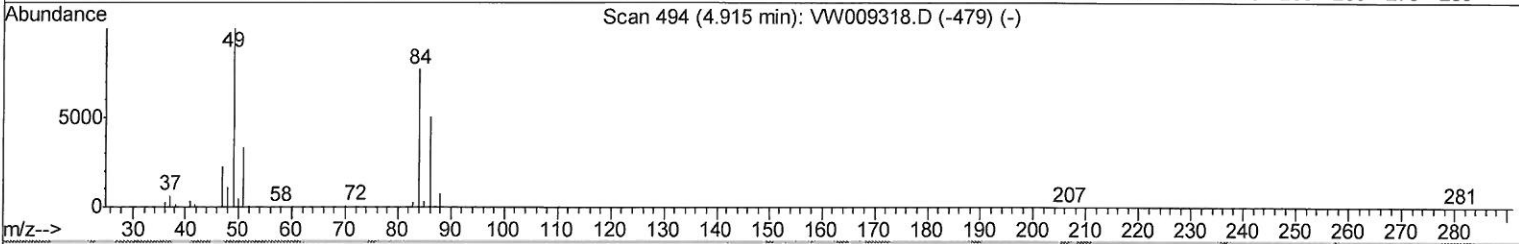
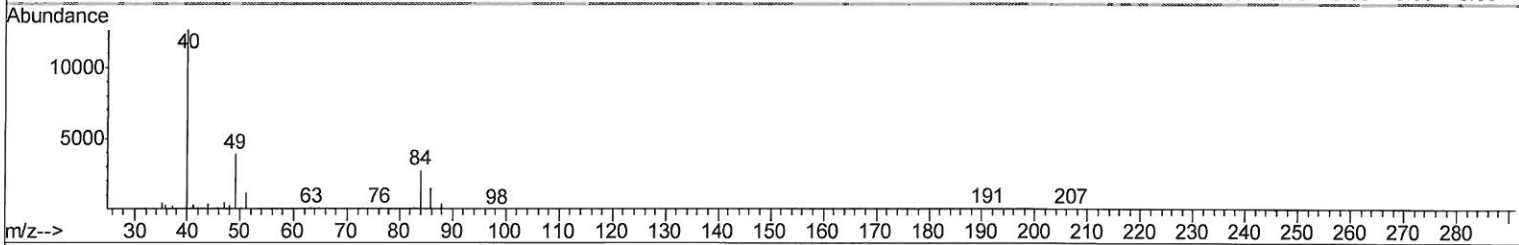
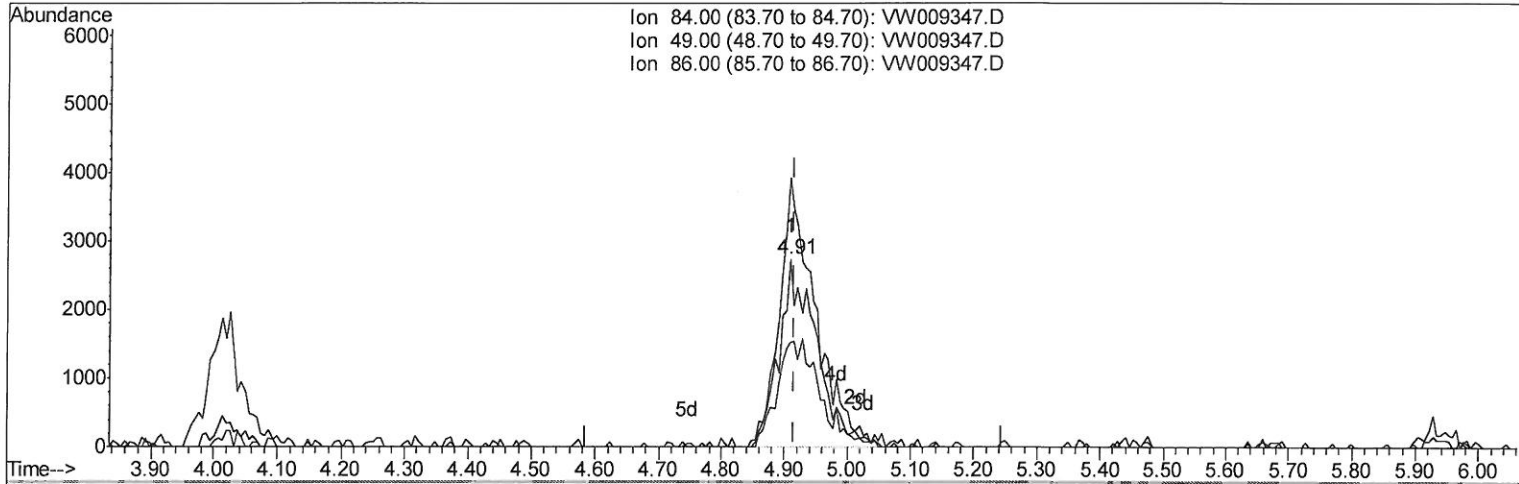
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Instrument :
 MSVOA_W
 ClientSampled :
 BF0E3

Manual Integrations
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 Response via : Initial Calibration



TIC: VW009347.D

(16) Methylene chloride (T)

4.909min (-0.006) 1.92ug/L m

503/24/19 SY

response 11409

Ion	Exp%	Act%
84.00	100	100
49.00	137.10	143.45
86.00	63.50	55.28
0.00	0.00	0.00

Quantitation Report (Qedit)

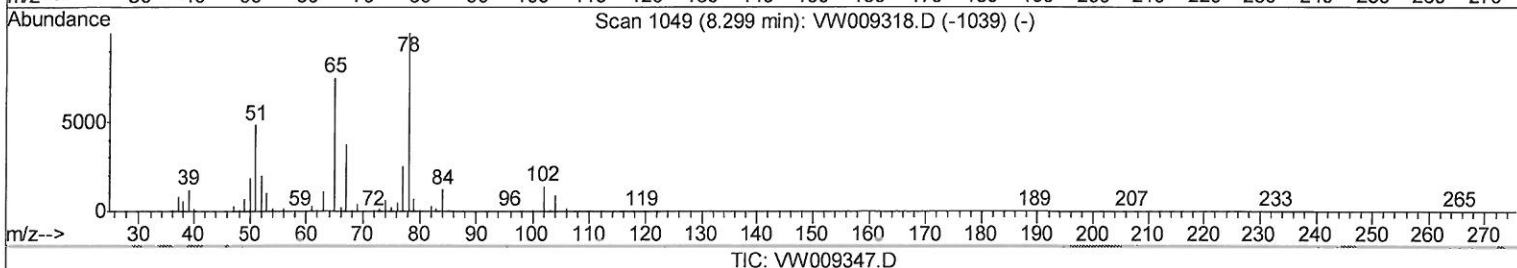
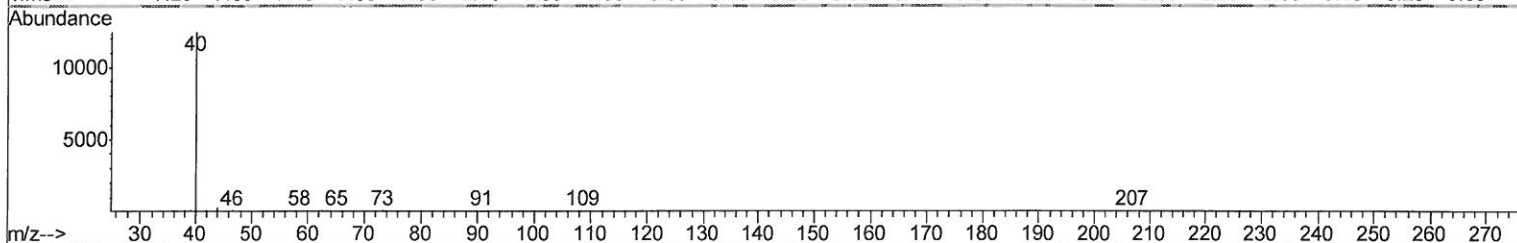
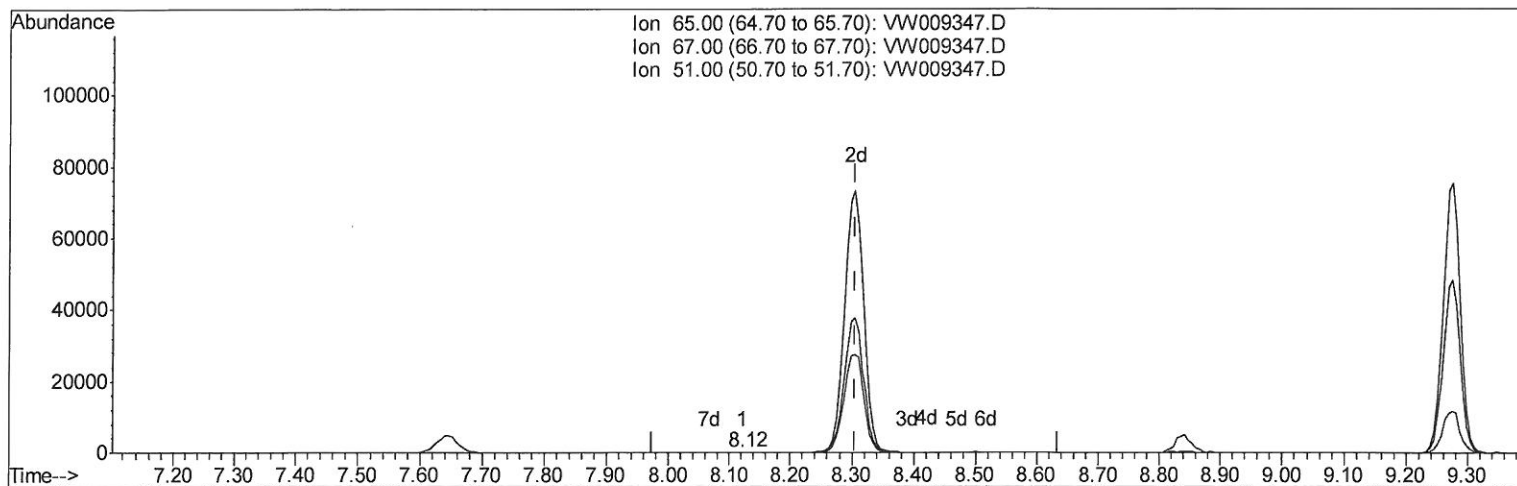
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 Acq On : 22 Mar 2019 14:37
 Operator : SY/VA
 Sample : K2017-17
 Misc : 5.08G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
ClientSampled :
 BF0E3

Quant Time: Mar 23 00:17:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
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Manual Integrations
APPROVED

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 3/25/2019 8:29:32 AM



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

8.122min (-0.183) 0.01ug/L

response 87

Ion	Exp%	Act%
65.00	100	100
67.00	50.80	57.47
51.00	97.70	106.90
0.00	0.00	0.00

Quantitation Report (Qedit)

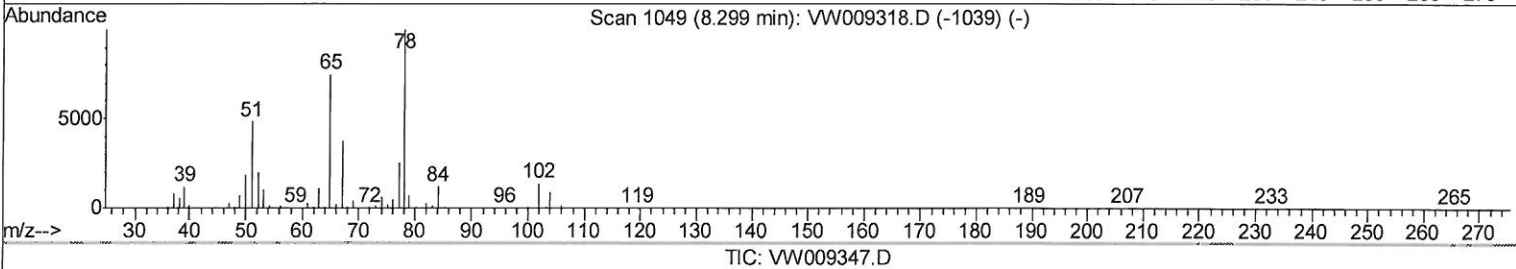
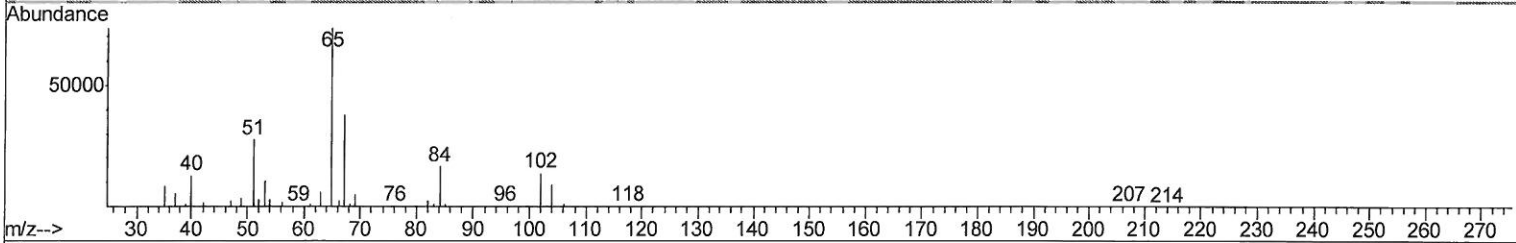
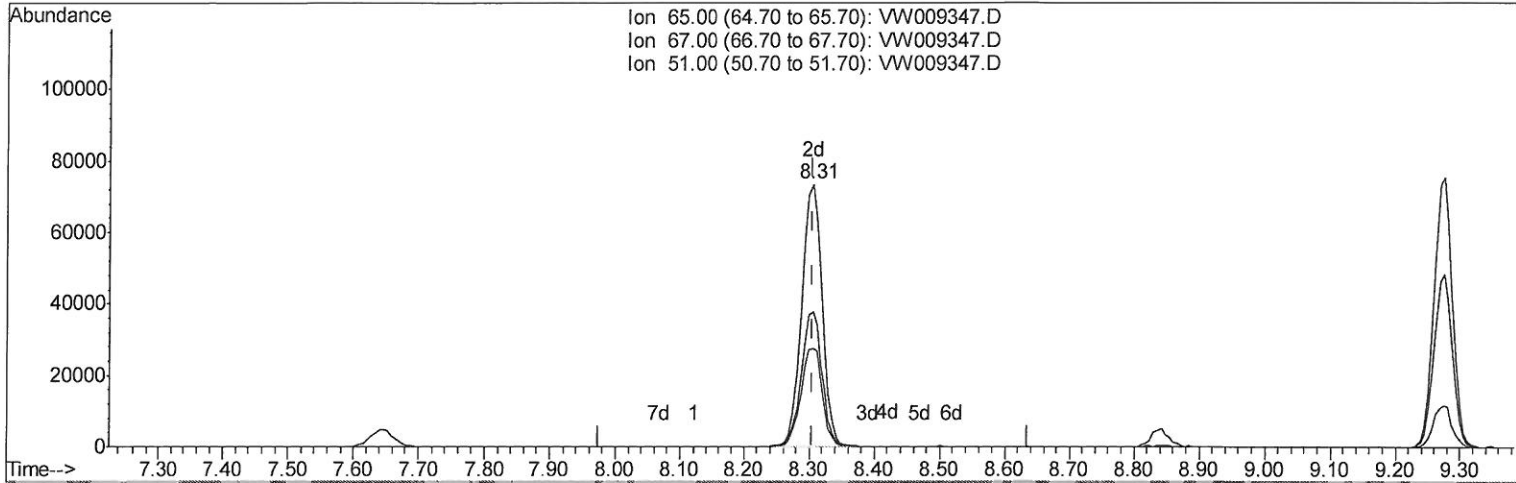
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 Sample : K2017-17
 Misc : 5.08G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BF0E3

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 8:29:32 AM

Quant Time: Mar 23 00:17:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
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 QLast Update : Sat Mar 23 00:14:14 2019
 Response via : Initial Calibration



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

8.305min (+0.000) 24.14ug/L m > 07/24/19 57

response 162096

Ion	Exp%	Act%
65.00	100	100
67.00	50.80	0.03#
51.00	97.70	0.06#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032219\
 Data File : VW009347.D
 Acq On : 22 Mar 2019 14:37
 Operator : SY/VA
 Sample : K2017-17
 Misc : 5.08G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 Client Sampled :
 BF0E3

Quant Time: Mar 23 00:50:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 23 00:14:14 2019
 Response via : Initial Calibration

Manual Integrations
 APPROVED

MMDadoda
 3/25/2019 8:29:32 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	408395	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	400814	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	185855	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	102771	21.06	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	84.24%		
7) Chloroethane-d5	2.89	69	107373	18.80	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	75.20%		
10) 1,1-Dichloroethene-d2	4.01	63	166093	15.75	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	63.00%		
20) 2-Butanone-d5	7.08	46	108469	53.74	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	107.48%		
24) Chloroform-d	7.65	84	253283	22.73	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	90.92%		
26) 1,2-Dichloroethane-d4	8.31	65	162096m	24.14	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	96.56%		
29) Benzene-d6	8.27	84	471016	21.31	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	85.24%		
33) 1,2-Dichloropropane-d6	9.27	67	148526	22.37	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	89.48%		
37) Toluene-d8	10.32	98	414520	20.28	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	81.12%		
38) trans-1,3-Dichloropropene-	10.58	79	68503	20.54	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	82.16%		
39) 2-Hexanone-d5	10.93	63	78909	49.07	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	98.14%		
48) 1,1,2,2-Tetrachloroethane-	12.69	84	162306	24.82	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	99.28%		
61) 1,2-Dichlorobenzene-d4	13.86	152	170359	23.90	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	95.60%		

Target Compounds

				Qvalue
16) Methylene chloride	4.91	84	11409m	1.916 ug/L
22) cis-1,2-Dichloroethene	7.16	96	17130	2.991 ug/L
35) Trichloroethene	9.09	95	11988	2.051 ug/L

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