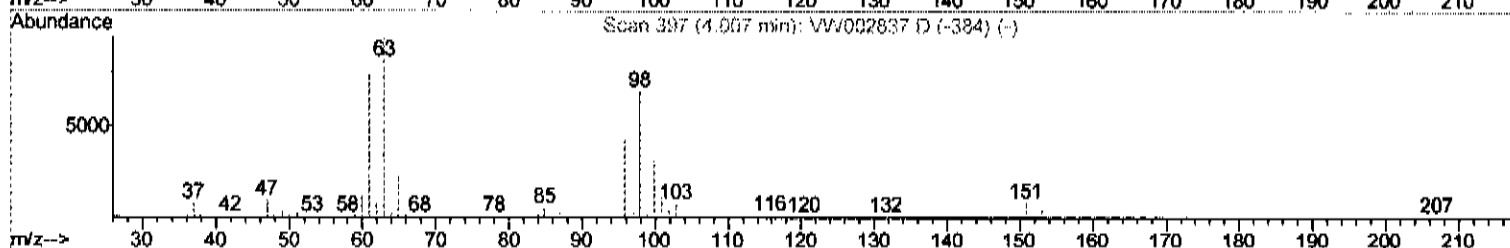
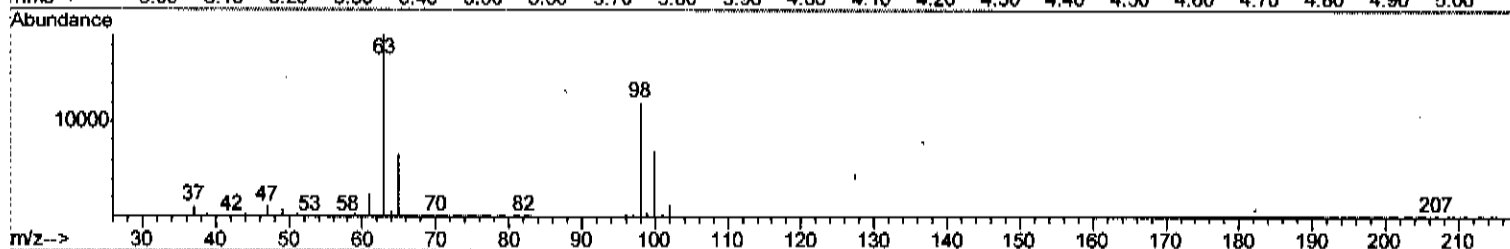
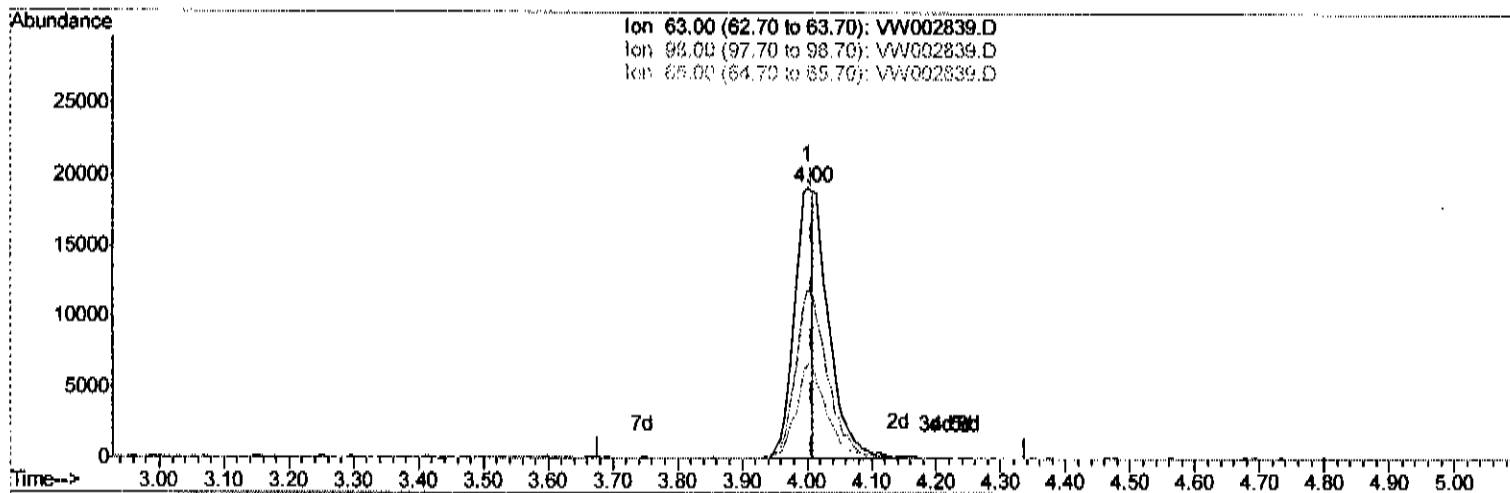


Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052418\
Data File : VW002839.D
Acq On : 24 May 2018 11:42
Operator : JC/SY
Sample : J3059-02
Misc : 4.68G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 25 08:13:17 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis
QLast Update : Fri May 25 07:55:38 2018
Response via : Initial Calibration



TIC: VW002839.D

(10) 1,1-Dichloroethene-d2 (S)

4.001min (-0.006) 9.21ug/L

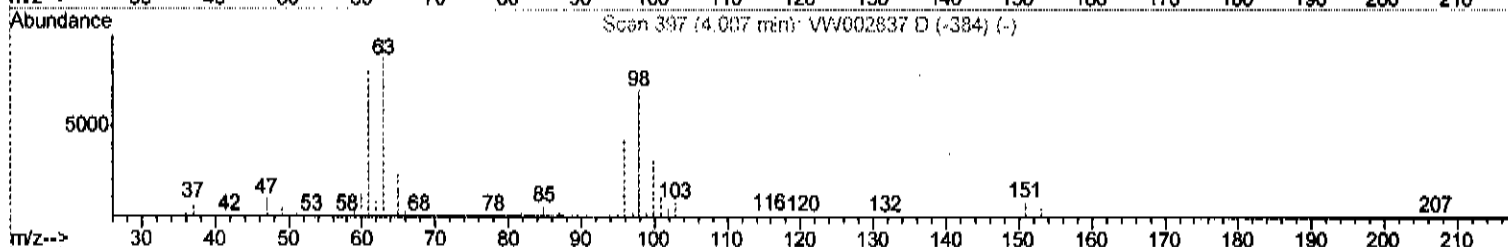
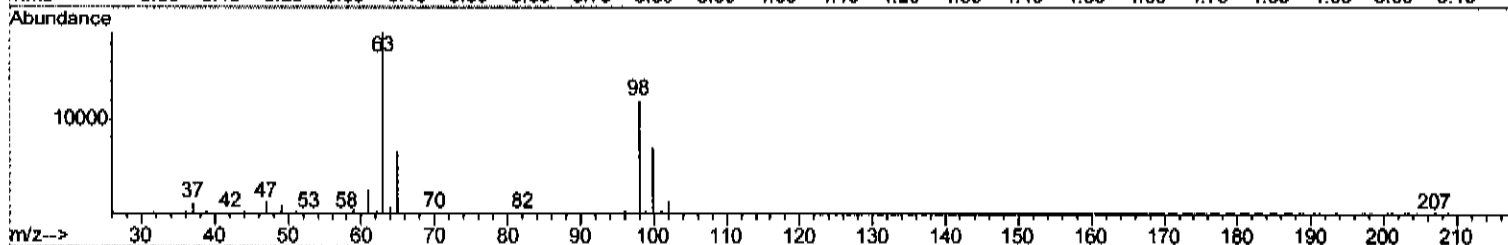
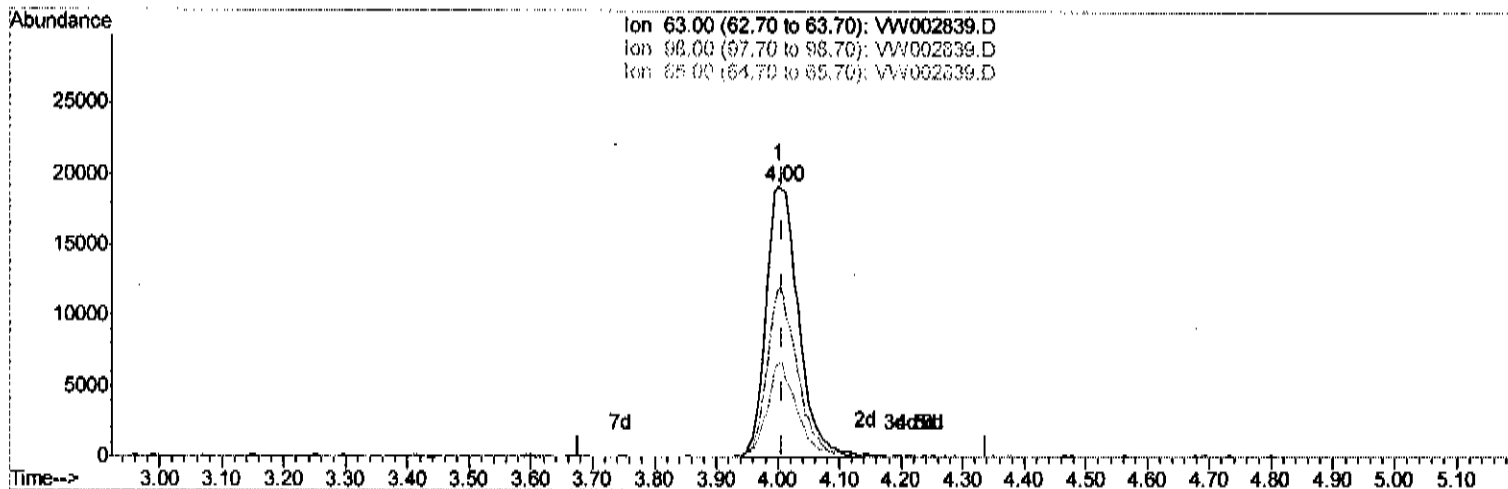
response 37710

Ion	Exp%	Act%
63.00	100	100
98.00	72.30	108.23#
65.00	23.90	59.14#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052418\
 Data File : VW002839.D
 Acq On : 24 May 2018 11:42
 Operator : JC/SY
 Sample : J3059-02
 Misc : 4.68G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 25 08:13:17 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 25 07:55:38 2018
 Response via : Initial Calibration



TIC: VW002839.D

(10) 1,1-Dichloroethene-d2 (S)

4.001min (-0.006) 17.12ug/L m

705/25/10x 8y

response 70099

Ion	Exp%	Act%
63.00	100	100
98.00	72.30	58.22
65.00	23.90	31.82*
0.00	0.00	0.00

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052418\
 Data File : VW002839.D
 Acq On : 24 May 2018 11:42
 Operator : JC/SY
 Sample : J3059-02
 Misc : 4.68G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 25 08:14:29 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 25 07:55:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	182279	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	131504	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	30233	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	53394	22.84	ug/L	0.00
Spiked Amount 25.000	Range	30 - 150	Recovery	=	91.36%	
7) Chloroethane-d5	2.89	69	51757	24.75	ug/L	0.00
Spiked Amount 25.000	Range	30 - 150	Recovery	=	99.00%	
10) 1,1-Dichloroethene-d2	4.00	63	70099m	17.12	ug/L	0.00
Spiked Amount 25.000	Range	45 - 110	Recovery	=	68.48%	
20) 2-Butanone-d5	7.08	46	62388	65.42	ug/L	0.00
Spiked Amount 50.000	Range	20 - 135	Recovery	=	130.84%	
24) Chloroform-d	7.65	84	132882	30.41	ug/L	0.00
Spiked Amount 25.000	Range	40 - 150	Recovery	=	121.64%	
26) 1,2-Dichloroethane-d4	8.31	65	85682	32.47	ug/L	0.00
Spiked Amount 25.000	Range	70 - 130	Recovery	=	129.88%	
29) Benzene-d6	8.28	84	226023	36.14	ug/L	0.00
Spiked Amount 25.000	Range	20 - 135	Recovery	=	144.56%#	
33) 1,2-Dichloropropane-d6	9.27	67	85004	42.06	ug/L	0.00
Spiked Amount 25.000	Range	70 - 120	Recovery	=	168.24%#	
37) Toluene-d8	10.33	98	176038	28.52	ug/L	0.00
Spiked Amount 25.000	Range	30 - 130	Recovery	=	114.08%	
38) trans-1,3-Dichloropropene-	10.59	79	20649	21.36	ug/L	0.00
Spiked Amount 25.000	Range	30 - 135	Recovery	=	85.44%	
39) 2-Hexanone-d5	10.93	63	37943	66.16	ug/L	0.00
Spiked Amount 50.000	Range	20 - 135	Recovery	=	132.32%	
48) 1,1,2,2-Tetrachloroethane-	12.70	84	77905	35.17	ug/L	0.00
Spiked Amount 25.000	Range	45 - 120	Recovery	=	140.68%#	
61) 1,2-Dichlorobenzene-d4	13.87	152	35977	32.38	ug/L	0.00
Spiked Amount 25.000	Range	75 - 120	Recovery	=	129.52%#	

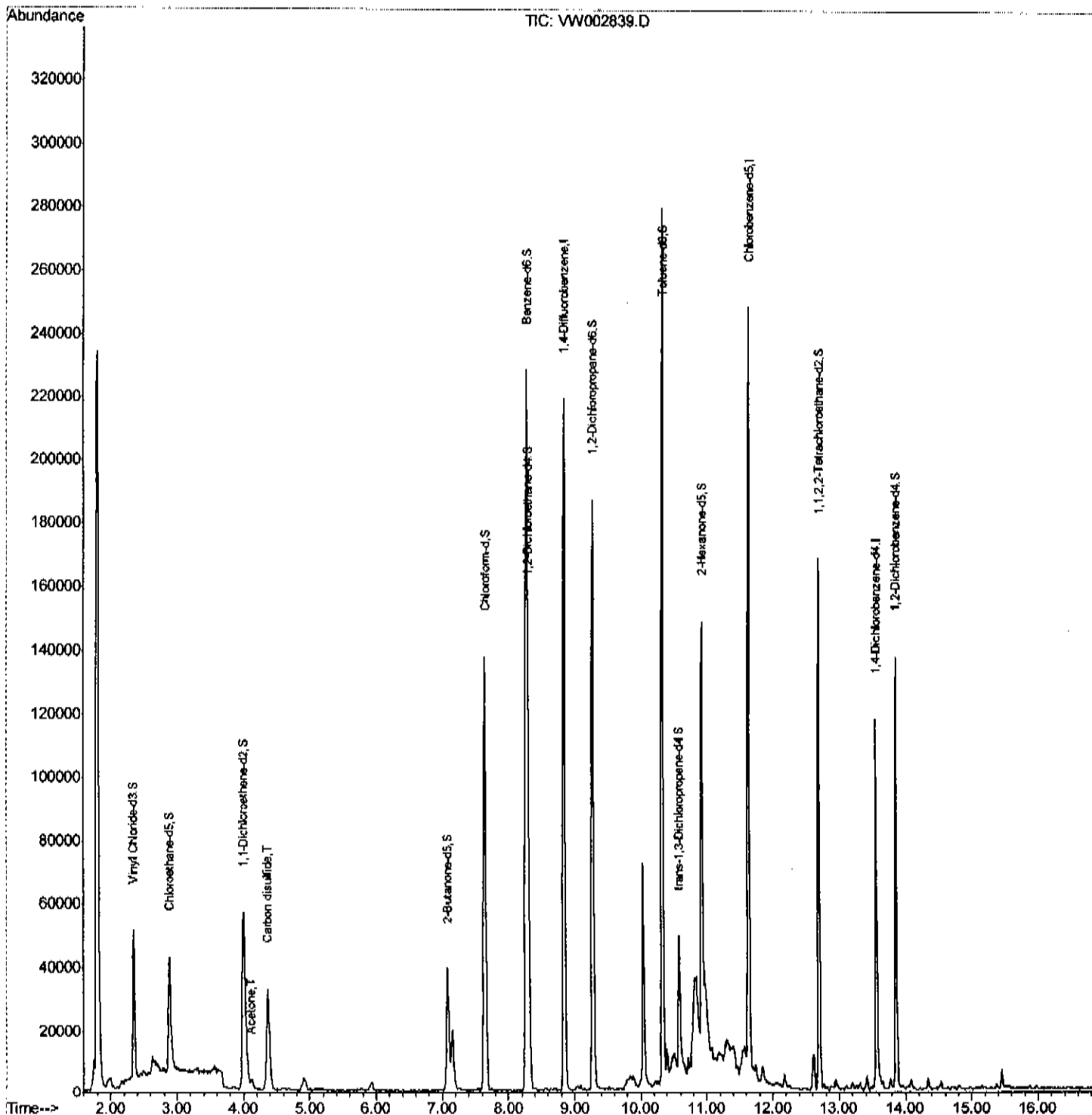
Target Compounds

					Qvalue
13) Acetone	4.12	43	4588	5.44	ug/L 92
14) Carbon disulfide	4.36	76	77074	11.45	ug/L 98

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

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052418\
Data File : VW002839.D
Acq On : 24 May 2018 11:42
Operator : JC/SY
Sample : J3059-02
Misc : 4.68G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

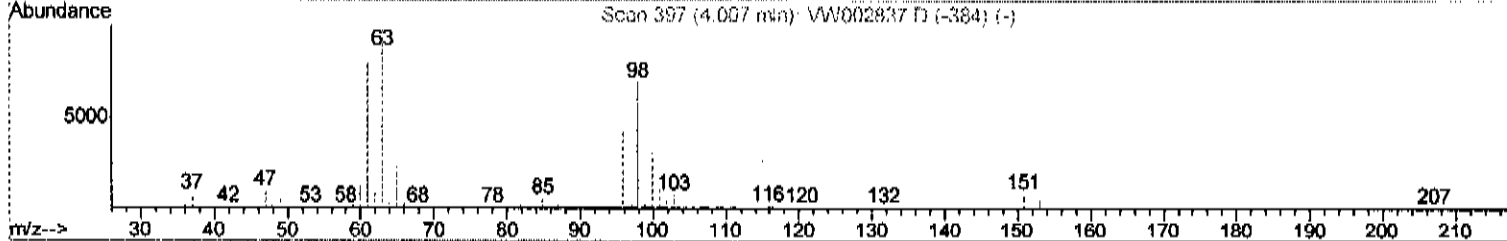
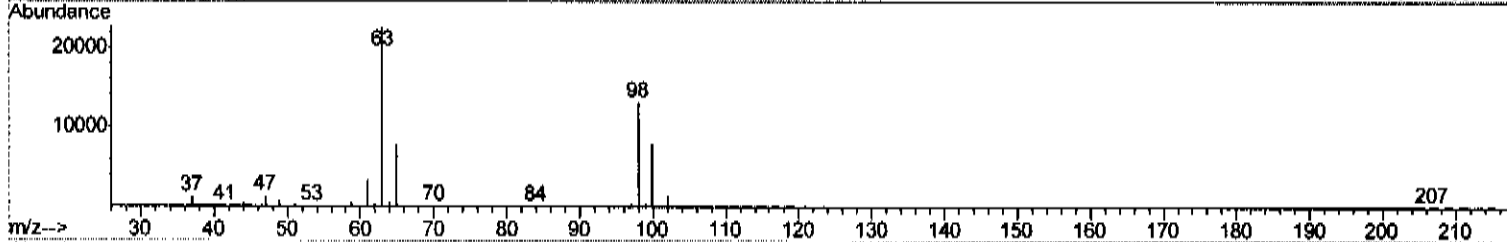
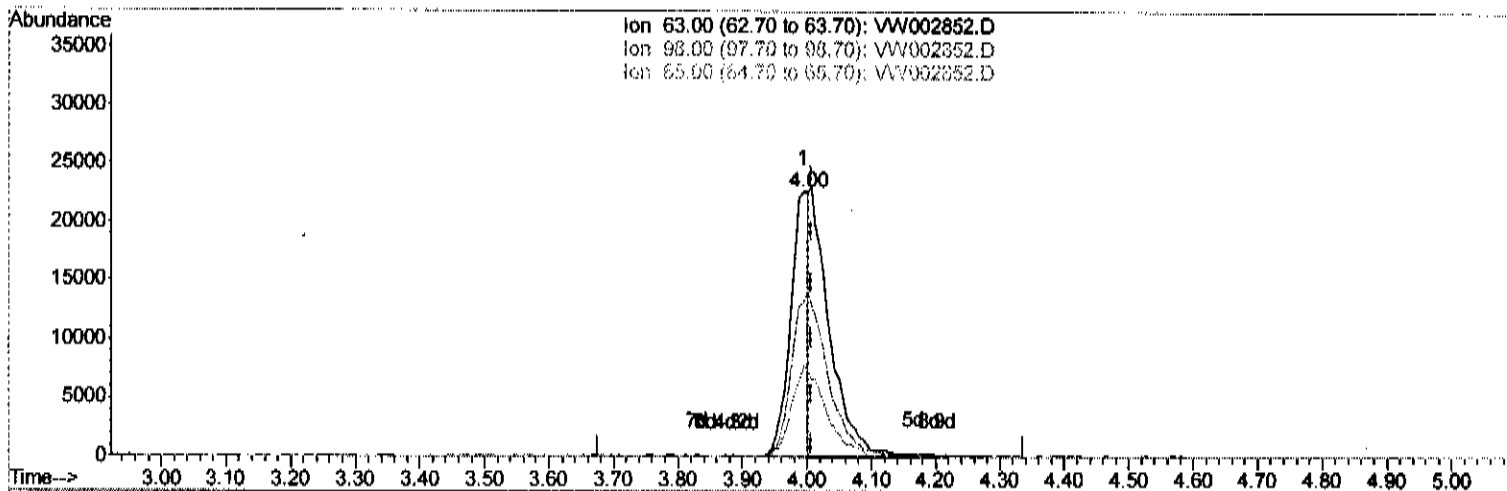
Quant Time: May 25 08:14:29 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis
QLast Update : Fri May 25 07:55:38 2018
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052418\
 Data File : VW002852.D
 Acq On : 24 May 2018 17:32
 Operator : JC/SY
 Sample : J3030-09
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 25 07:58:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 25 07:55:38 2018
 Response via : Initial Calibration



TIC: VW002852.D

(10) 1,1-Dichloroethene-d2 (S)

3.995min (-0.012) 7.22ug/L

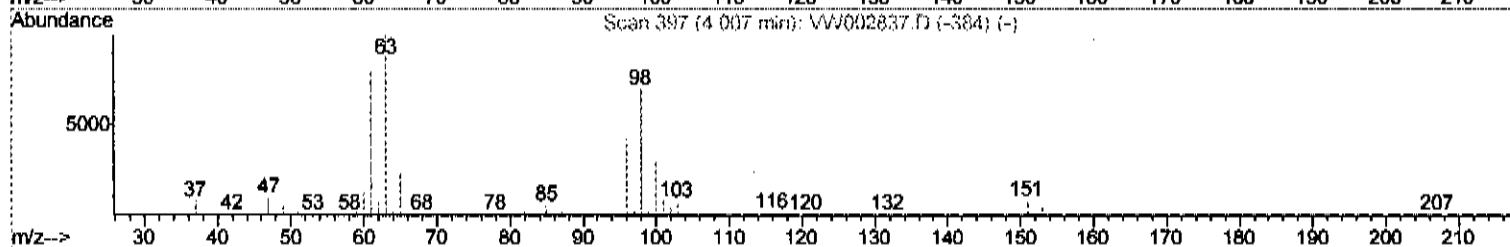
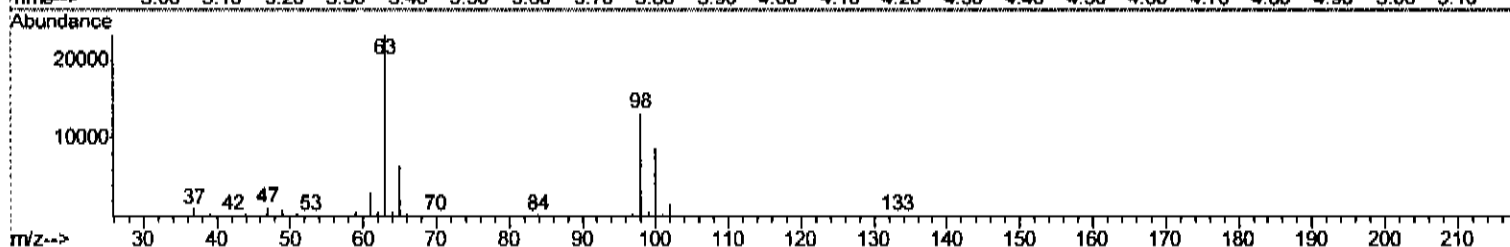
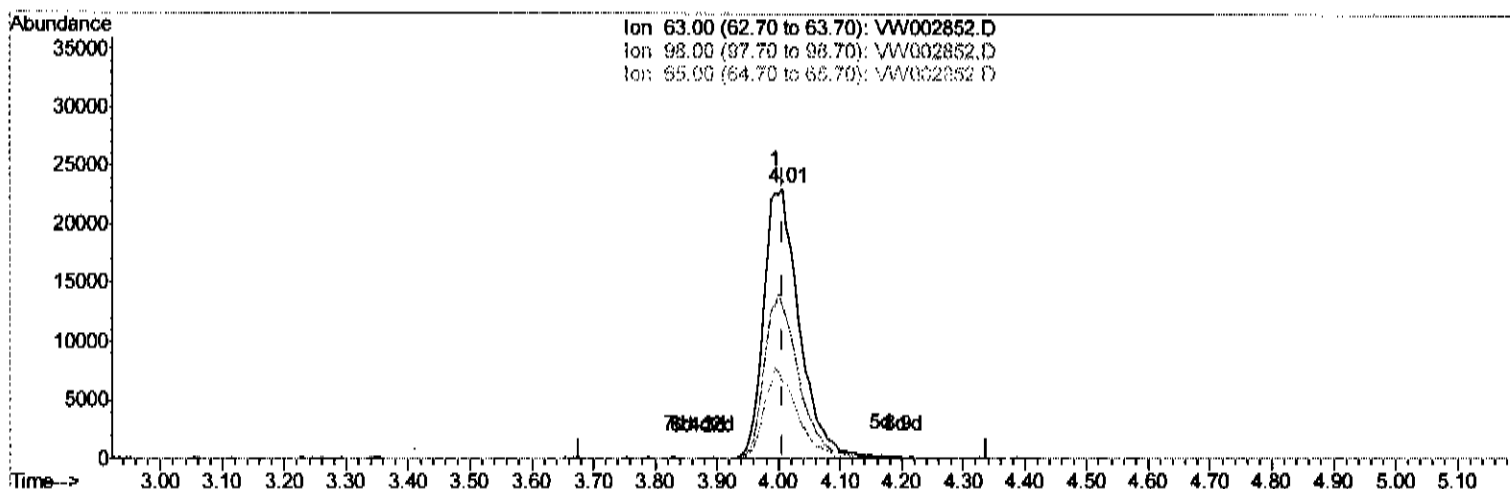
response 43902

Ion	Exp%	Act%
63.00	100	100
98.00	72.30	124.42#
65.00	23.90	66.01#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052418\
 Data File : VW002852.D
 Acq On : 24 May 2018 17:32
 Operator : JC/SY
 Sample : J3030-09
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 25 07:58:18 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 25 07:55:38 2018
 Response via : Initial Calibration



TIC: VW002852.D

(10) 1,1-Dichloroethene-d2 (S)

4.007min (+0.000) 15.41ug/L m

Handwritten signature: 05/25/18 SY

response 93663

Ion	Exp%	Act%
63.00	100	100
98.00	72.30	58.32
65.00	23.90	30.94
0.00	0.00	0.00

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052418\
 Data File : VW002852.D
 Acq On : 24 May 2018 17:32
 Operator : JC/SY
 Sample : J3030-09
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 25 08:52:24 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 25 07:55:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	270576	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	259572	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	127339	25.00	ug/L	0.00

System Monitoring Compounds

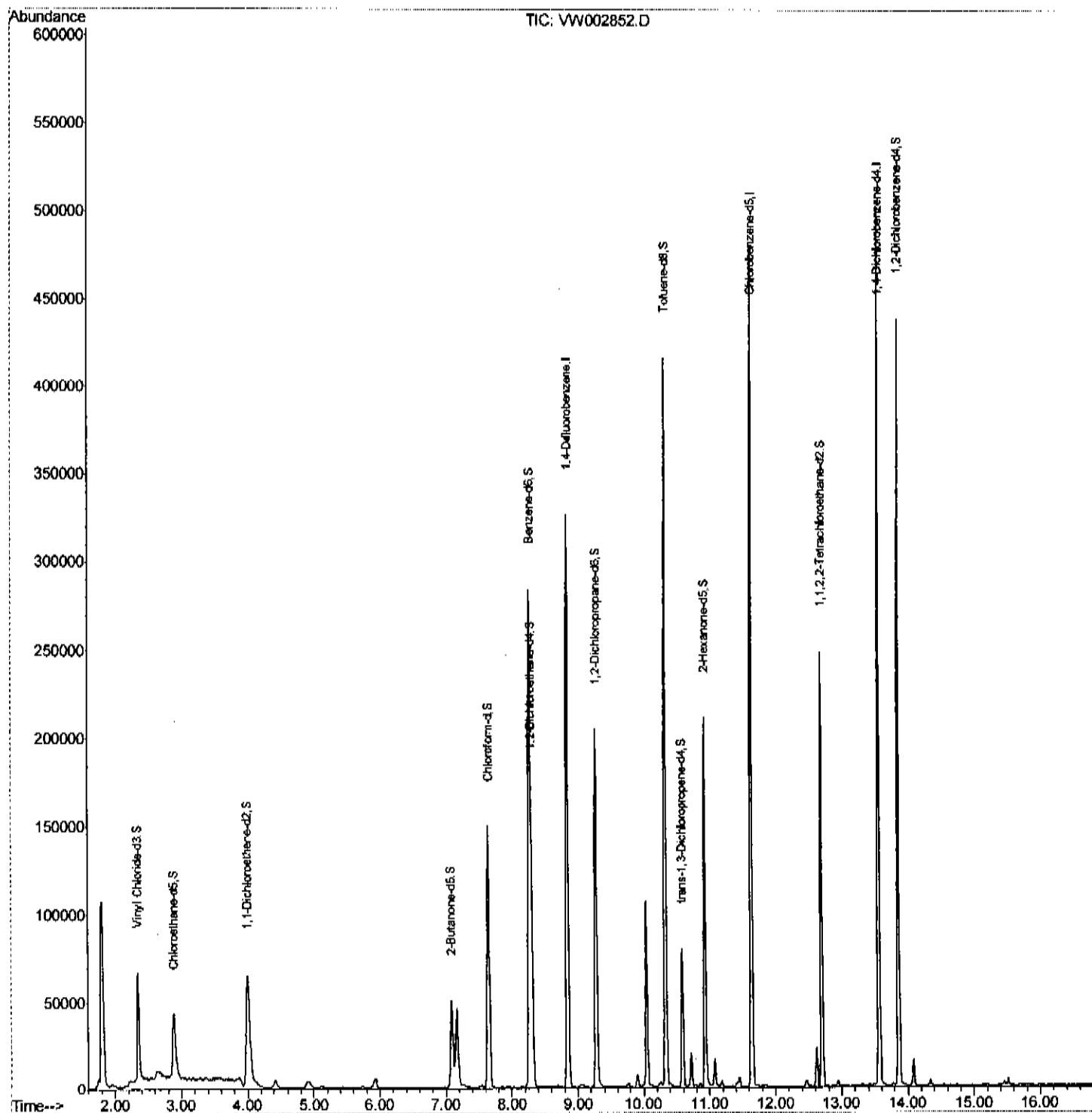
4) Vinyl Chloride-d3	2.34	65	75180	21.66	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	86.64%		
7) Chloroethane-d5	2.88	69	62137	20.02	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	80.08%		
10) 1,1-Dichloroethene-d2	4.01	63	93663m	15.41	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	61.64%		
20) 2-Butanone-d5	7.09	46	85687	60.53	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	121.06%		
24) Chloroform-d	7.65	84	149311	23.02	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	92.08%		
26) 1,2-Dichloroethane-d4	8.31	65	94790	24.20	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	96.80%		
29) Benzene-d6	8.27	84	276370	22.39	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	89.56%		
33) 1,2-Dichloropropane-d6	9.28	67	91422	22.92	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	91.68%		
37) Toluene-d8	10.33	98	261811	21.49	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	85.96%		
38) trans-1,3-Dichloropropene-	10.59	79	41713	21.86	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	87.44%		
39) 2-Hexanone-d5	10.93	63	65386	57.76	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	115.52%		
48) 1,1,2,2-Tetrachloroethane-	12.70	84	111483	25.50	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	102.00%		
61) 1,2-Dichlorobenzene-d4	13.87	152	114295	24.42	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	97.68%		

Target Compounds	Qvalue

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

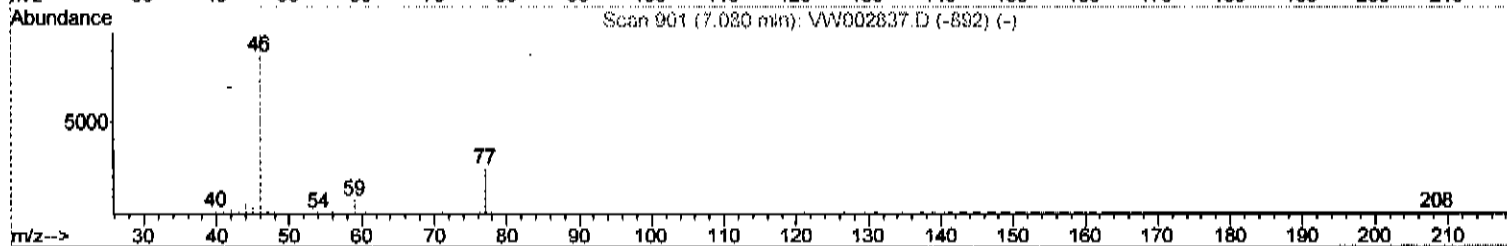
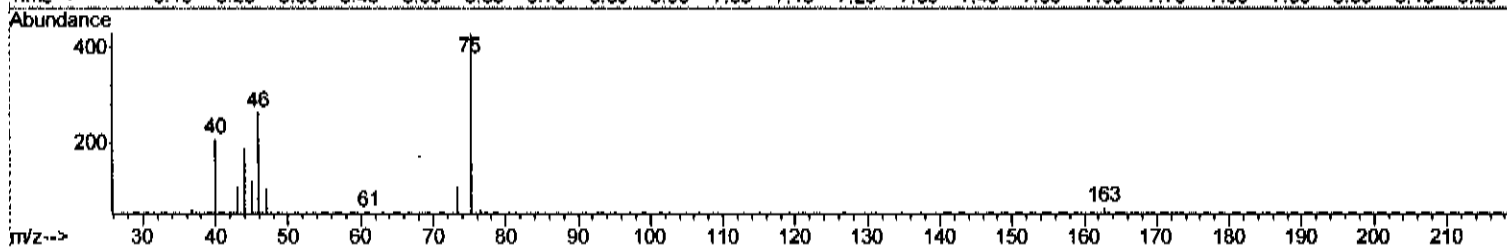
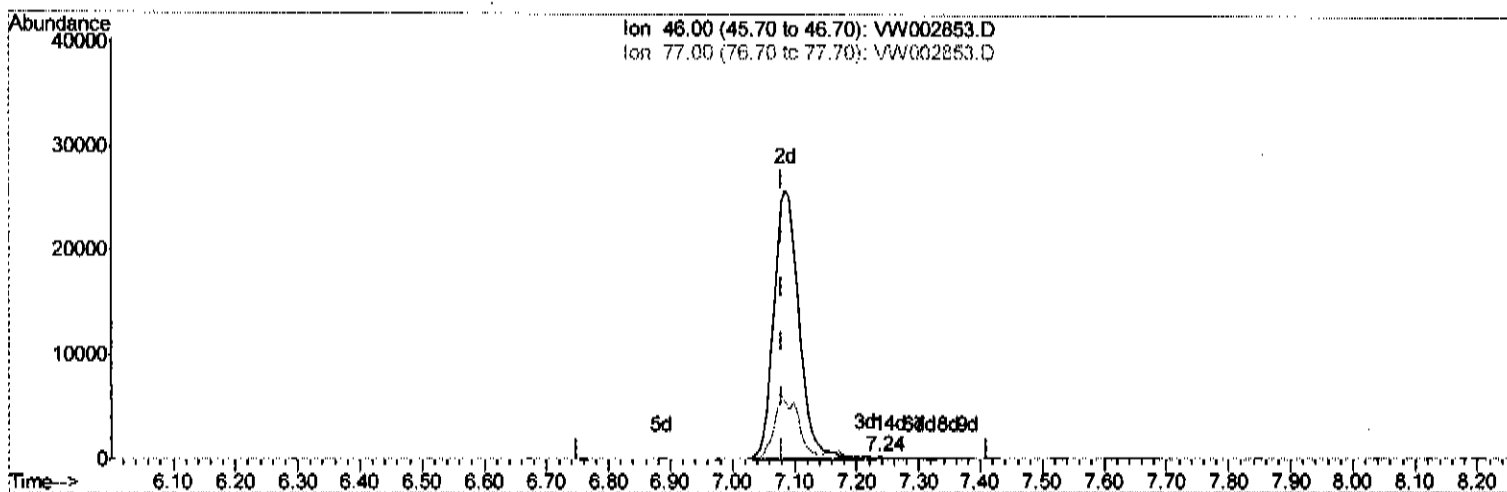
Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052418\
Data File : VW002852.D
Acq On : 24 May 2018 17:32
Operator : JC/SY
Sample : J3030-09
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 25 08:52:24 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis
QLast Update : Fri May 25 07:55:38 2018
Response via : Initial Calibration



Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052418\
Data File : VW002853.D
Acq On : 24 May 2018 17:58
Operator : JC/SY
Sample : J3059-10
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 25 07:58:30 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis
QLast Update : Fri May 25 07:55:38 2018
Response via : Initial Calibration



TIC: VW002853.D

(20) 2-Butanone-d5 (S)

7.238min (+0.158) 0.05ug/L

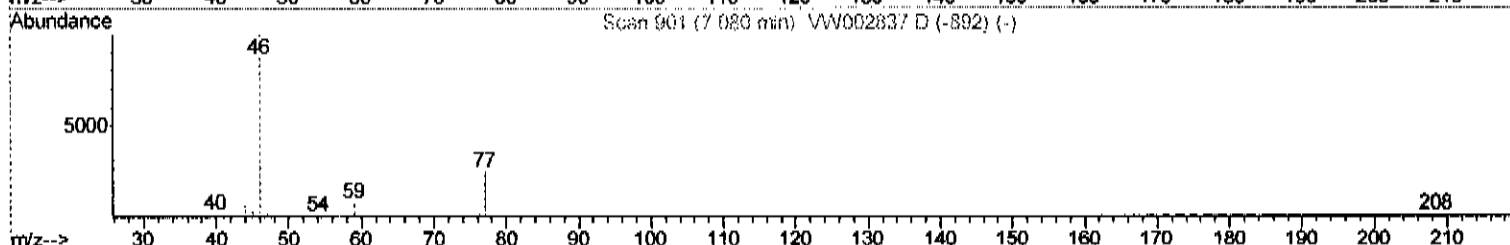
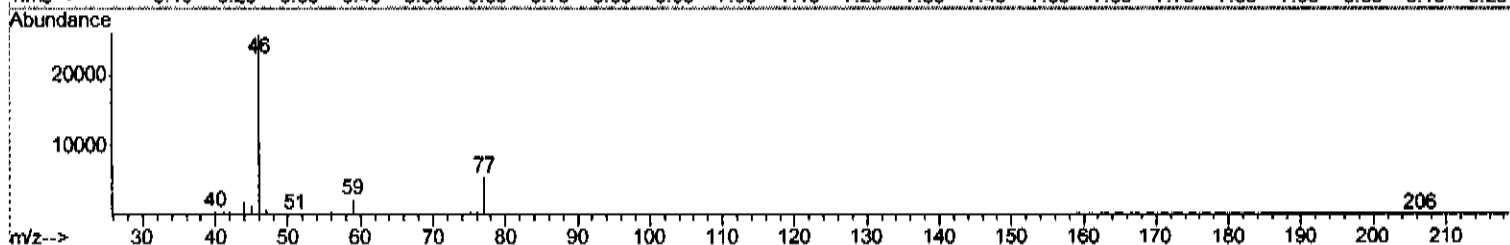
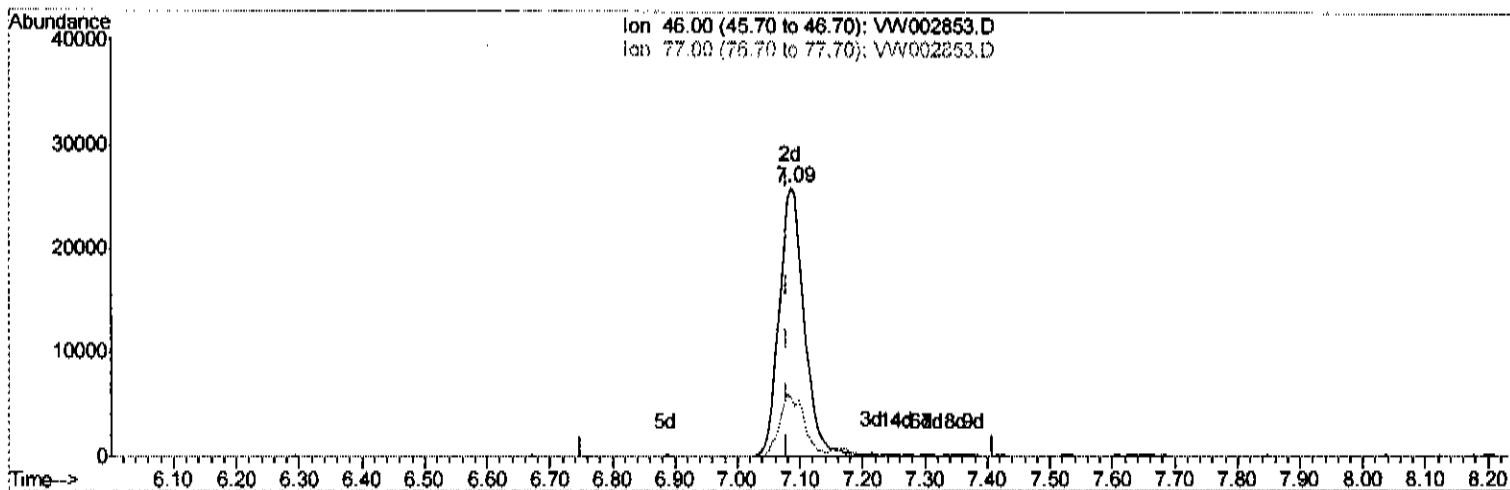
response 71

Ion	Exp%	Act%
46.00	100	100
77.00	24.40	28.17
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052418\
 Data File : VW002853.D
 Acq On : 24 May 2018 17:58
 Operator : JC/SY
 Sample : J3059-10
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 25 07:58:30 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 25 07:55:38 2018
 Response via : Initial Calibration



TIC: VW002853.D

(20) 2-Butanone-d5 (S)

7.086min (+0.006) 49.05ug/L m

response 72916

Ion	Exp%	Act%
46.00	100	100
77.00	24.40	0.03%
0.00	0.00	0.00
0.00	0.00	0.00

05/25/18 Sy

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052418\
 Data File : VW002853.D
 Acq On : 24 May 2018 17:58
 Operator : JC/SY
 Sample : J3059-10
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 25 08:53:59 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 25 07:55:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	284167	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.64	117	279740	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	139057	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.34	65	74923	20.56	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	82.24%		
7) Chloroethane-d5	2.89	69	63638	19.52	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	78.08%		
10) 1,1-Dichloroethene-d2	4.01	63	90348	14.15	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	56.60%		
20) 2-Butanone-d5	7.09	46	72916m	49.05	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	98.10%		
24) Chloroform-d	7.65	84	151680	22.27	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	89.08%		
26) 1,2-Dichloroethane-d4	8.31	65	96921	23.56	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	94.24%		
29) Benzene-d6	8.27	84	278713	20.95	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	83.80%		
33) 1,2-Dichloropropane-d6	9.28	67	94298	21.93	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	87.72%		
37) Toluene-d8	10.33	98	266867	20.33	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	81.32%		
38) trans-1,3-Dichloropropene-	10.59	79	42148	20.50	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	82.00%		
39) 2-Hexanone-d5	10.93	63	58268	47.76	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	95.52%		
48) 1,1,2,2-Tetrachloroethane-	12.70	84	107229	22.76	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	91.04%		
61) 1,2-Dichlorobenzene-d4	13.87	152	117991	23.09	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	92.36%		

Target Compounds Qvalue

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

Data Path : W:\HPCHEM1\MSVOA_W\DATA\VW052418\
Data File : VW002853.D
Acq On : 24 May 2018 17:58
Operator : JC/SY
Sample : J3059-10
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 25 08:53:59 2018
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\SOM2WLM052218S.M
Quant Title : VOC Analysis
QLast Update : Fri May 25 07:55:38 2018
Response via : Initial Calibration

