

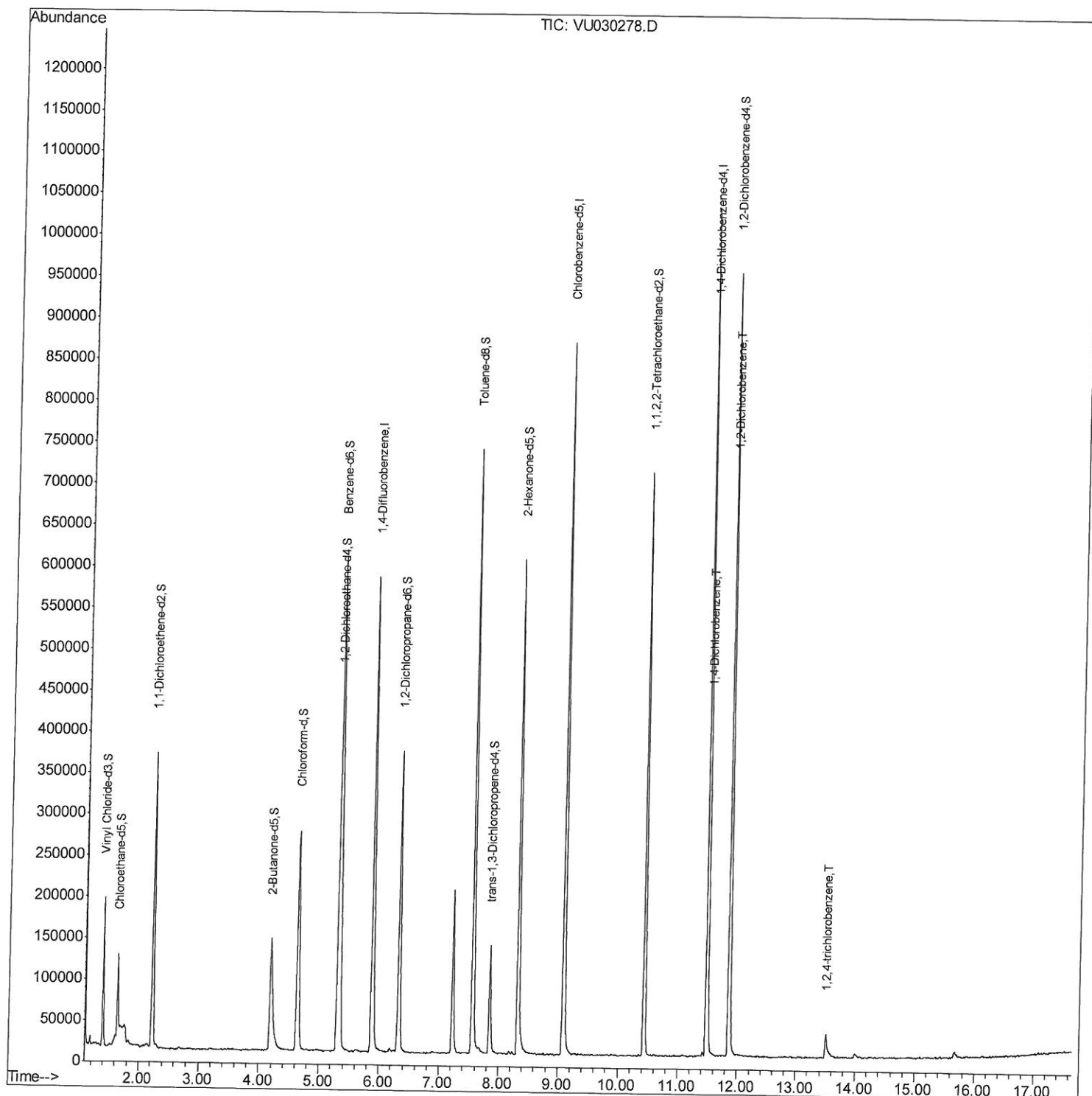
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\
Quantitation Report (QT Reviewed)
Data File : VU030278.D
Acq On : 21 Mar 2019 20:06
Operator : JC/SP
Sample : K1988-19
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF0D1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 1:05:47 PM

Quant Time: Mar 22 05:54:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\
Quantitation Report (Qedit)

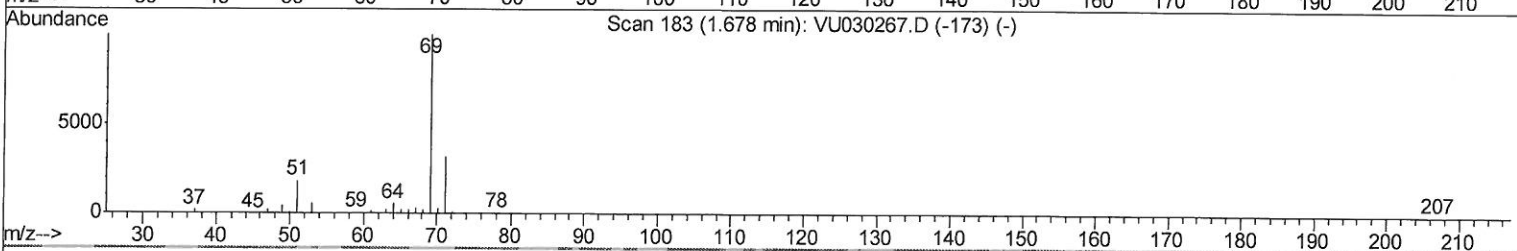
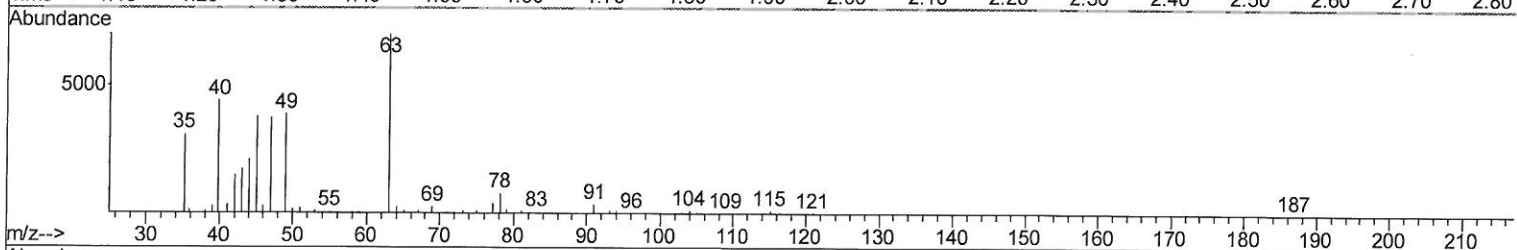
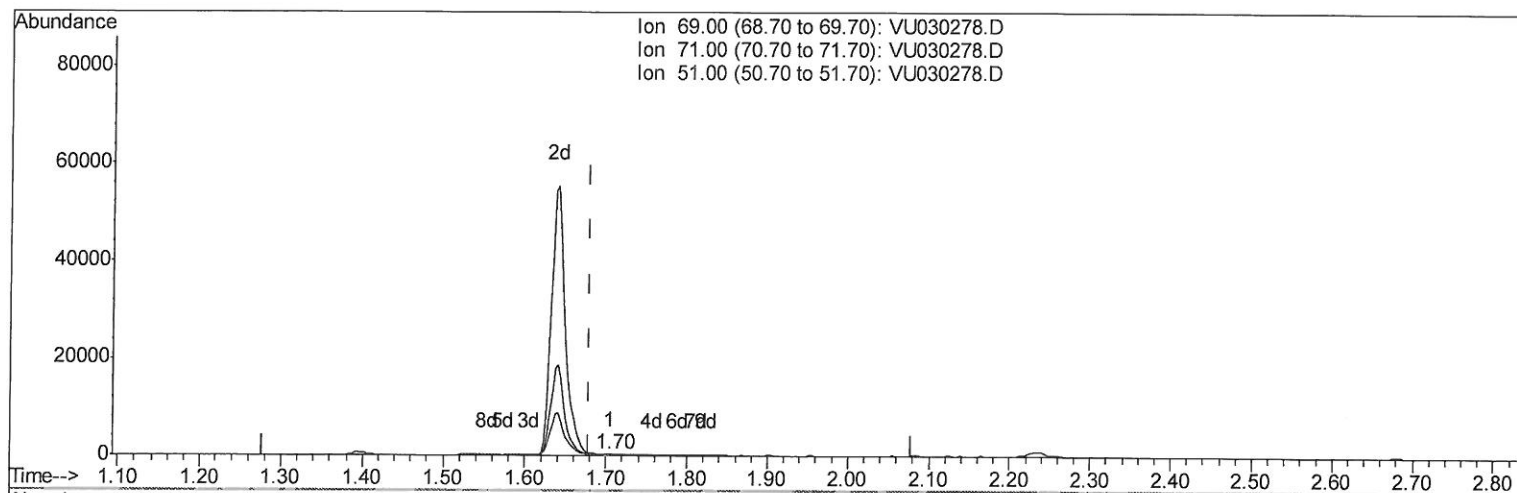
Data File : VU030278.D
Acq On : 21 Mar 2019 20:06
Operator : JC/SP
Sample : K1988-19
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF0D1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 1:05:47 PM

Quant Time: Mar 22 05:19:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration



TIC: VU030278.D

(7) Chloroethane-d5 (S)
1.704min (+0.026) 0.05ug/L
response 144

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	117.36#
51.00	24.00	49.31#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\
Quantitation Report (Qedit)

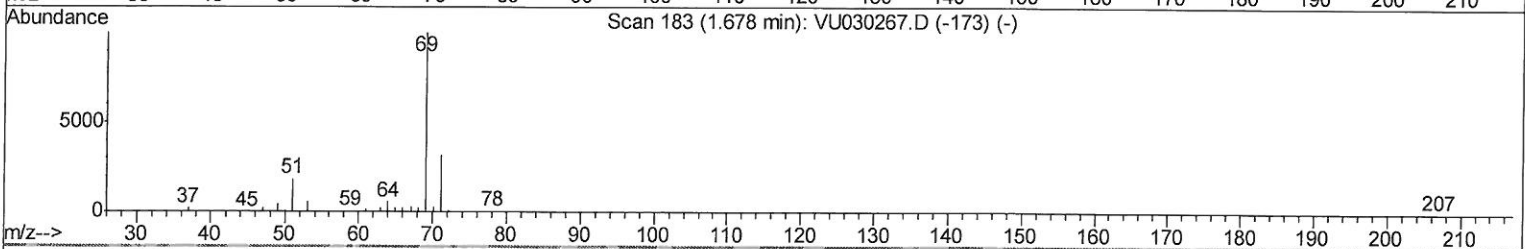
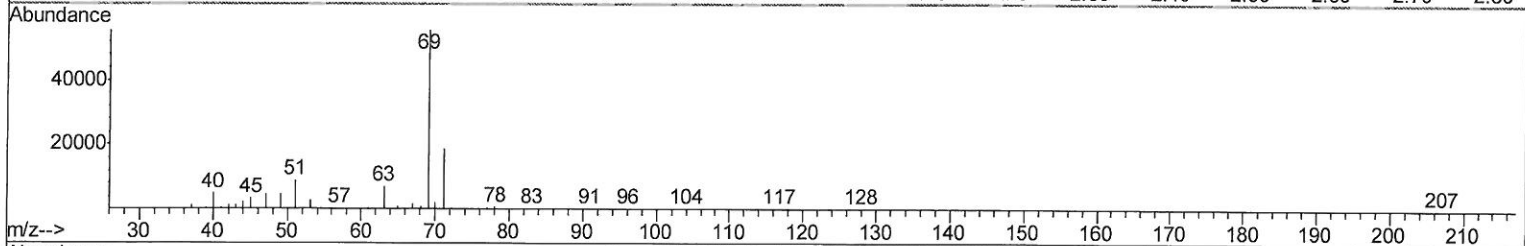
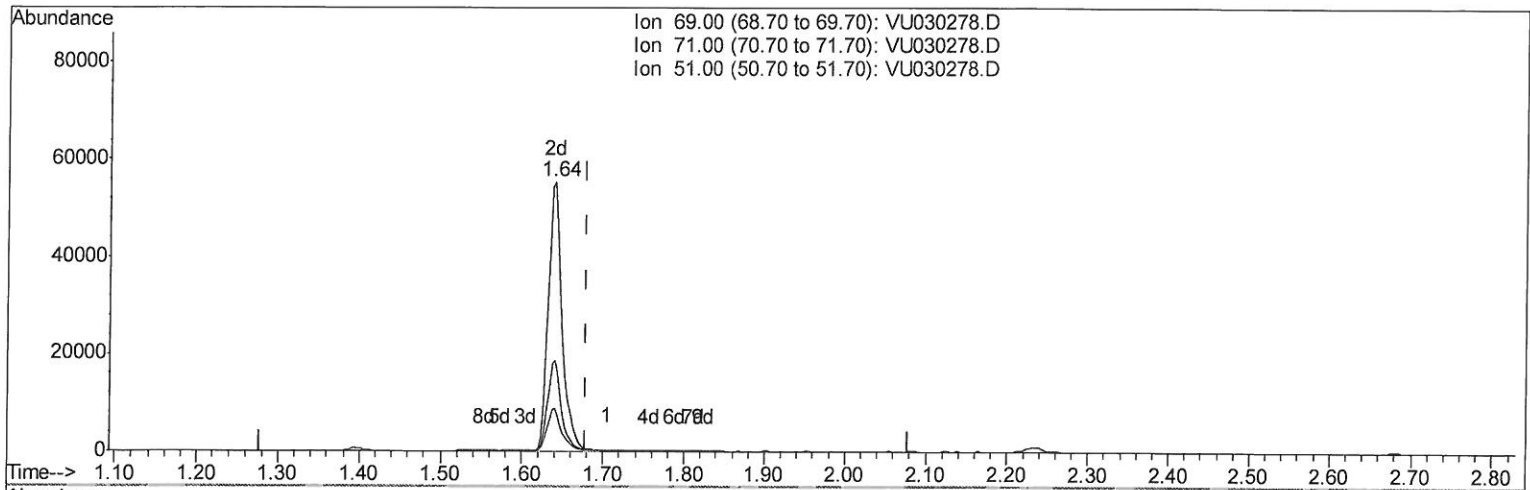
Data File : VU030278.D
Acq On : 21 Mar 2019 20:06
Operator : JC/SP
Sample : K1988-19
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF0D1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 1:05:47 PM

Quant Time: Mar 22 05:19:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration



TIC: VU030278.D

(7) Chloroethane-d5 (S)

1.640min (-0.038) 22.16ug/L m

response 65459

Ion	Exp%	Act%
69.00	100	100
71.00	31.60	0.26#
51.00	24.00	0.11#
0.00	0.00	0.00

7 mg
3/27/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\
Quantitation Report (Qedit)

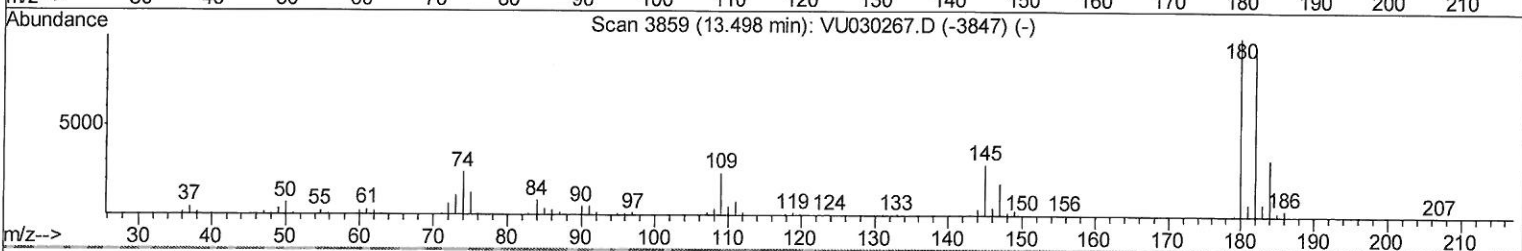
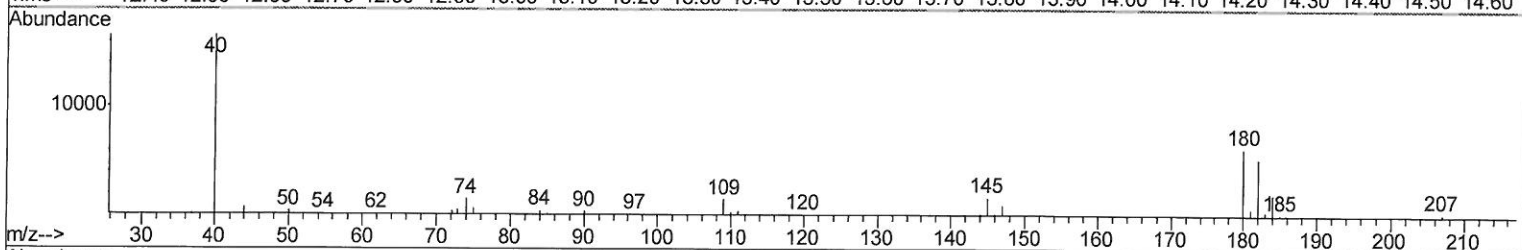
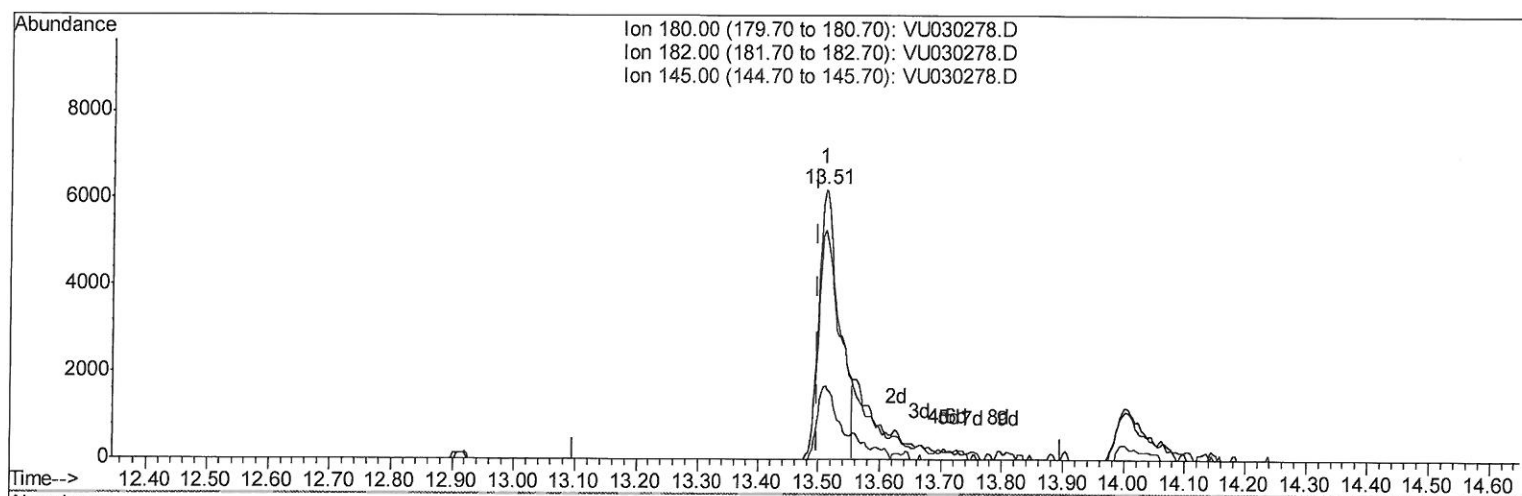
Data File : VU030278.D
Acq On : 21 Mar 2019 20:06
Operator : JC/SP
Sample : K1988-19
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF0D1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 1:05:47 PM

Quant Time: Mar 22 05:19:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration



TIC: VU030278.D

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

13.511min (+0.013) 2.22ug/L

response 14364

Ion	Exp%	Act%
180.00	100	100
182.00	95.50	71.69#
145.00	28.40	27.60
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\
Quantitation Report (Qedit)

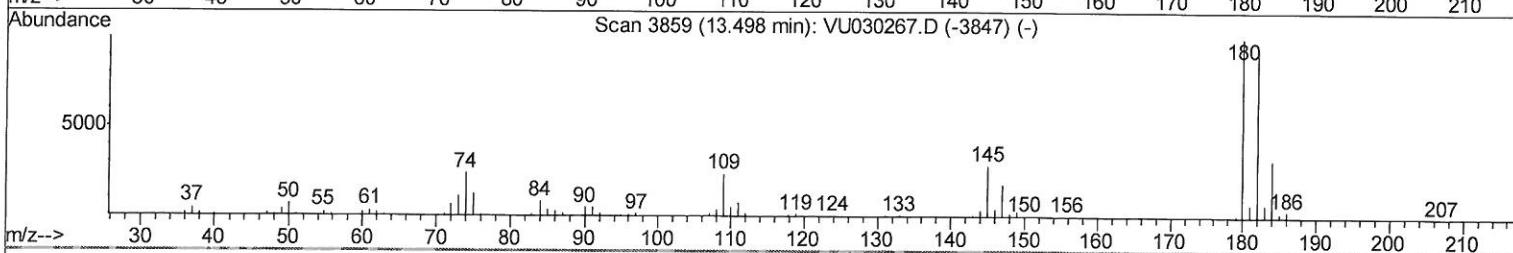
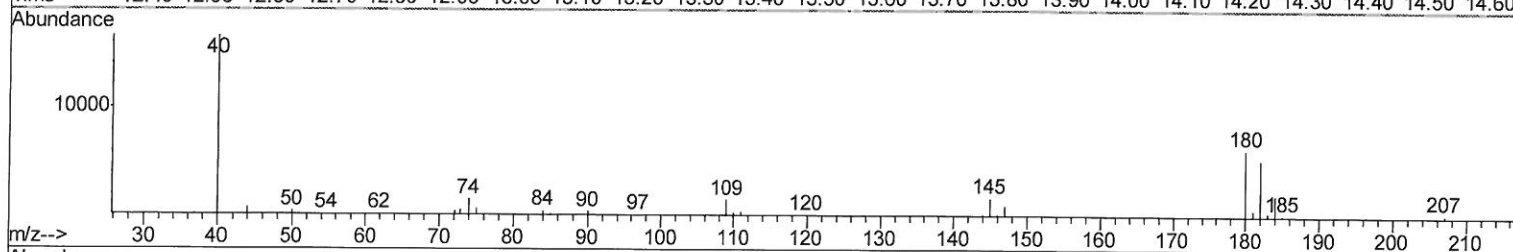
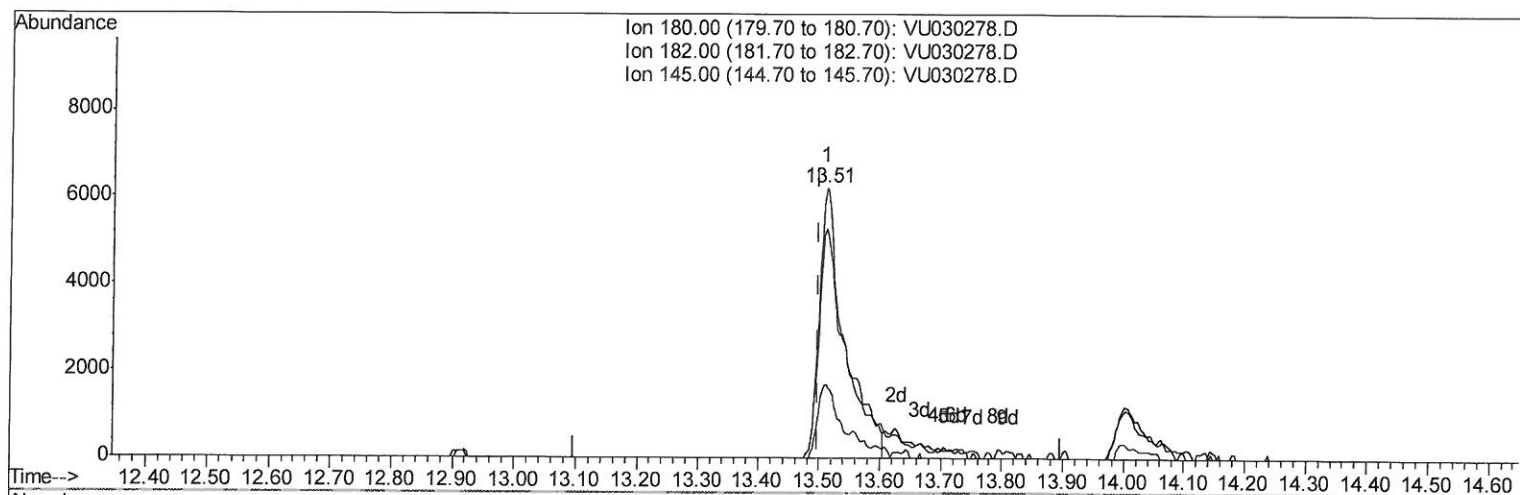
Data File : VU030278.D
Acq On : 21 Mar 2019 20:06
Operator : JC/SP
Sample : K1988-19
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF0D1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 1:05:47 PM

Quant Time: Mar 22 05:19:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration



TIC: VU030278.D

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

13.511min (+0.013) 2.77ug/L m

response 17906

Ion	Exp%	Act%
180.00	100	100
182.00	95.50	57.51#
145.00	28.40	22.14#
0.00	0.00	0.00

7 ME
3/27/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU032119\
Quantitation Report (QT Reviewed)

Data File : VU030278.D
Acq On : 21 Mar 2019 20:06
Operator : JC/SP
Sample : K1988-19
Misc : 5.48g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF0D1

Manual Integrations
APPROVED

MMDadoda
3/22/2019 1:05:47 PM

Quant Time: Mar 22 05:54:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM031919WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 22 05:14:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	546353	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	557930	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	292804	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	133797	36.22	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	72.44%
7) Chloroethane-d5	1.64	69	65459m	22.16	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	44.32%#
11) 1,1-Dichloroethene-d2	2.23	63	191389	28.40	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.80%#
21) 2-Butanone-d5	4.19	46	271255	98.97	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.97%
24) Chloroform-d	4.64	84	289668	42.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.44%
26) 1,2-Dichloroethane-d4	5.30	65	175930	45.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.98%
32) Benzene-d6	5.33	84	614229	41.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.56%
36) 1,2-Dichloropropane-d6	6.32	67	198891	43.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.44%
41) Toluene-d8	7.56	98	557223	40.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.62%
43) trans-1,3-Dichloropropene-	7.85	79	92264	41.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.30%
47) 2-Hexanone-d5	8.32	63	246353	104.43	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.43%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	360069	51.60	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	269790	45.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.78%

Target Compounds

					Qvalue
63) 1,4-Dichlorobenzene	11.51	146	18205	1.879 ug/L	94
65) 1,2-Dichlorobenzene	11.88	146	30484	3.194 ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	17906m	2.773 ug/L	97

→ m8
3/27/19

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