

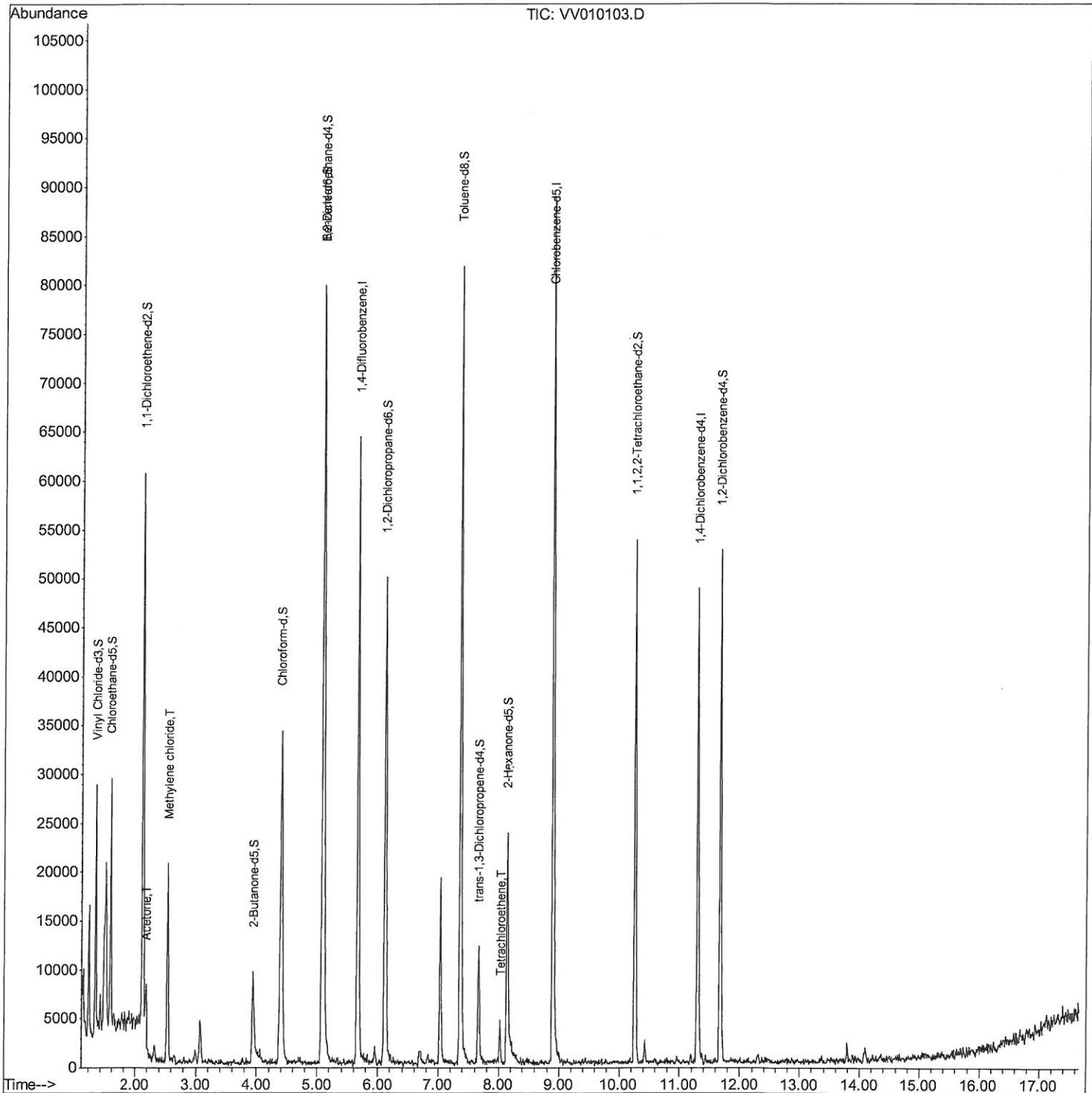
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040319\
Data File : VV010103.D
Acq On : 03 Apr 2019 20:41
Operator : SY/MD
Sample : K2148-14
Misc : 5.31G/10mL/MSVOA_V/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF5G1RE

Manual Integrations
APPROVED

MMDadoda
4/5/2019 10:40:46 AM

Quant Time: Apr 04 08:23:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 06:01:11 2019
Response via : Initial Calibration



Quantitation Report (Qedit)

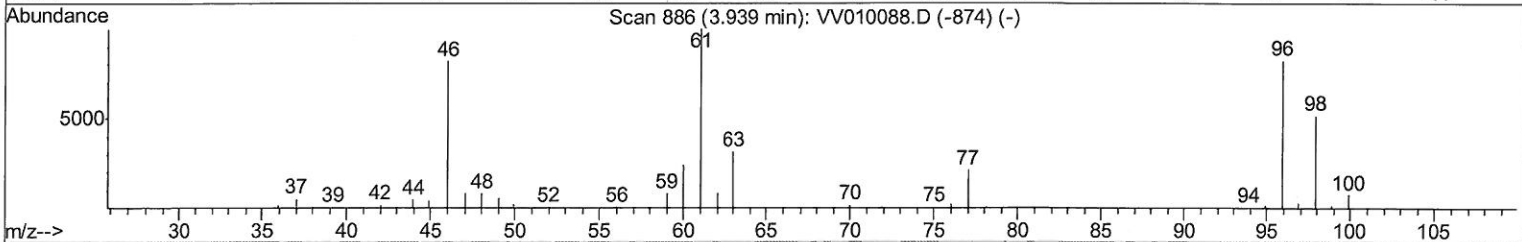
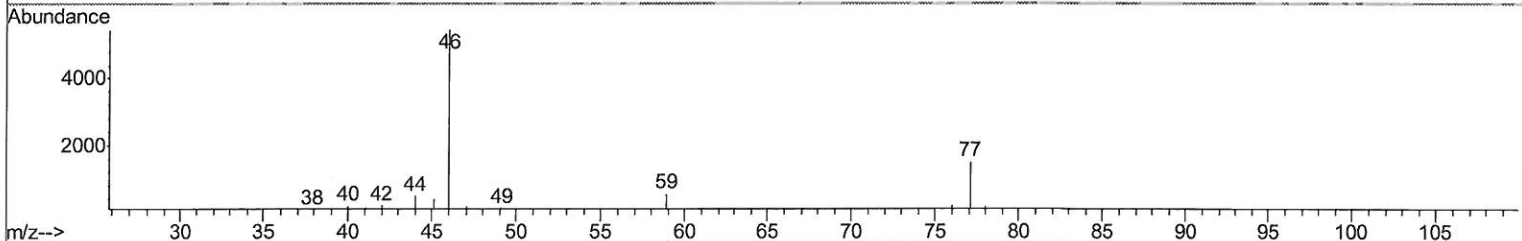
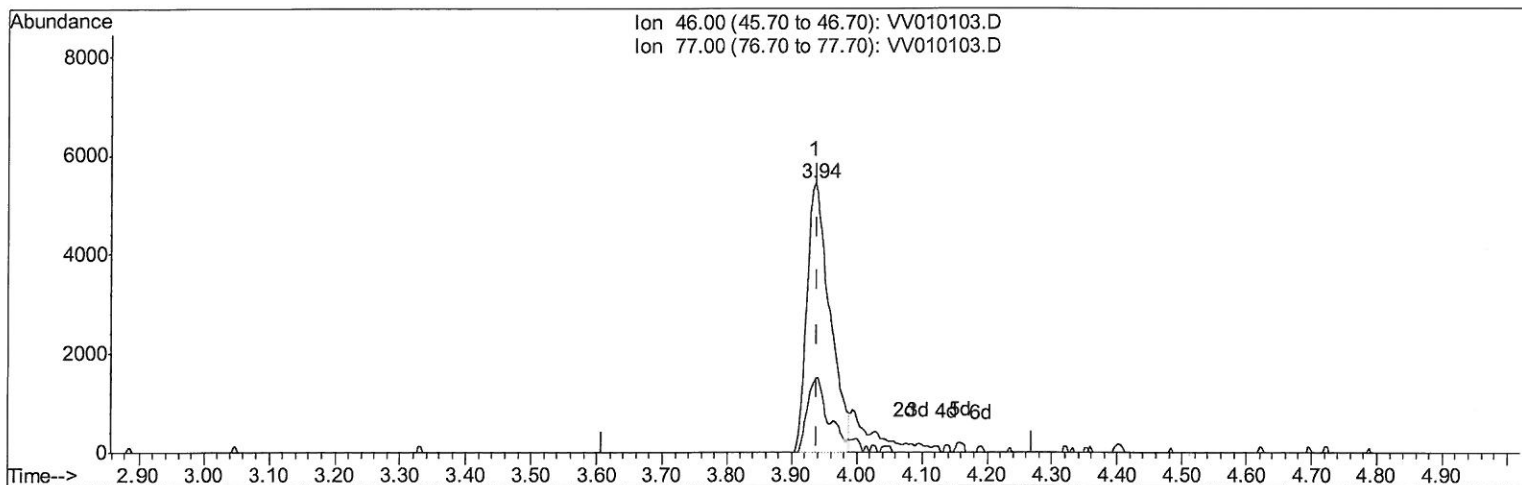
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040319\
 Data File : VV010103.D
 Acq On : 03 Apr 2019 20:41
 Operator : SY/MD
 Sample : K2148-14
 Misc : 5.31G/10mL/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
ClientSampleId :
 BF5G1RE

Manual Integrations
APPROVED

MMDadoda
 4/5/2019 10:40:46 AM

Quant Time: Apr 04 06:07:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 06:01:11 2019
 Response via : Initial Calibration



TIC: VV010103.D

(20) 2-Butanone-d5 (S)

3.936min (-0.003) 64.10ug/L

response 13341

Ion	Exp%	Act%
46.00	100	100
77.00	25.70	20.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

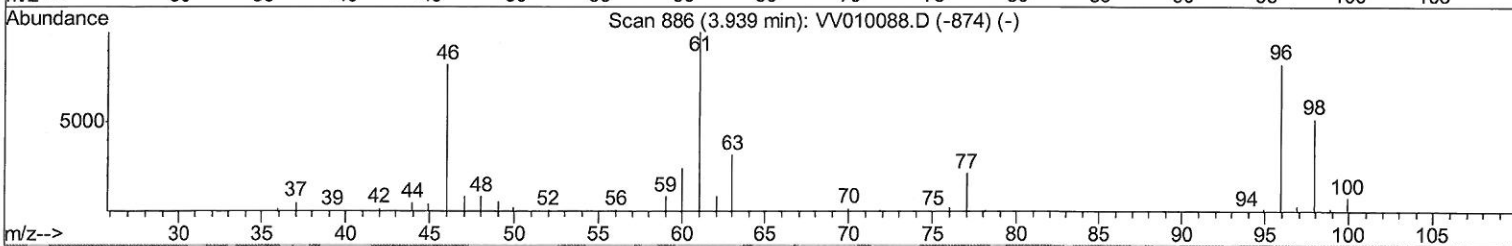
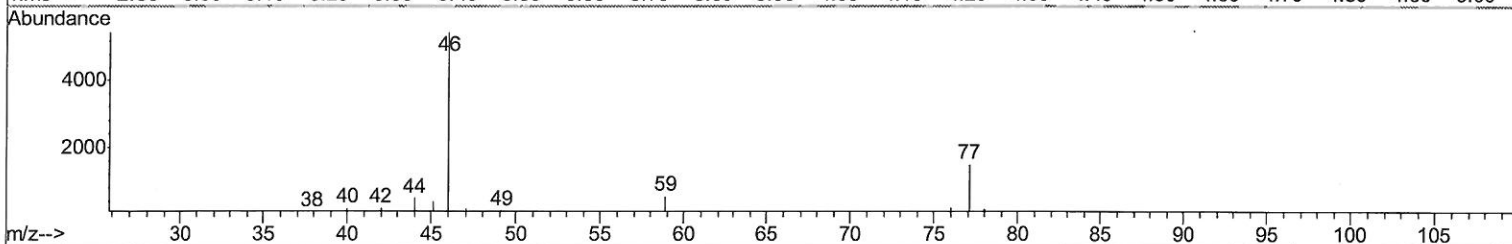
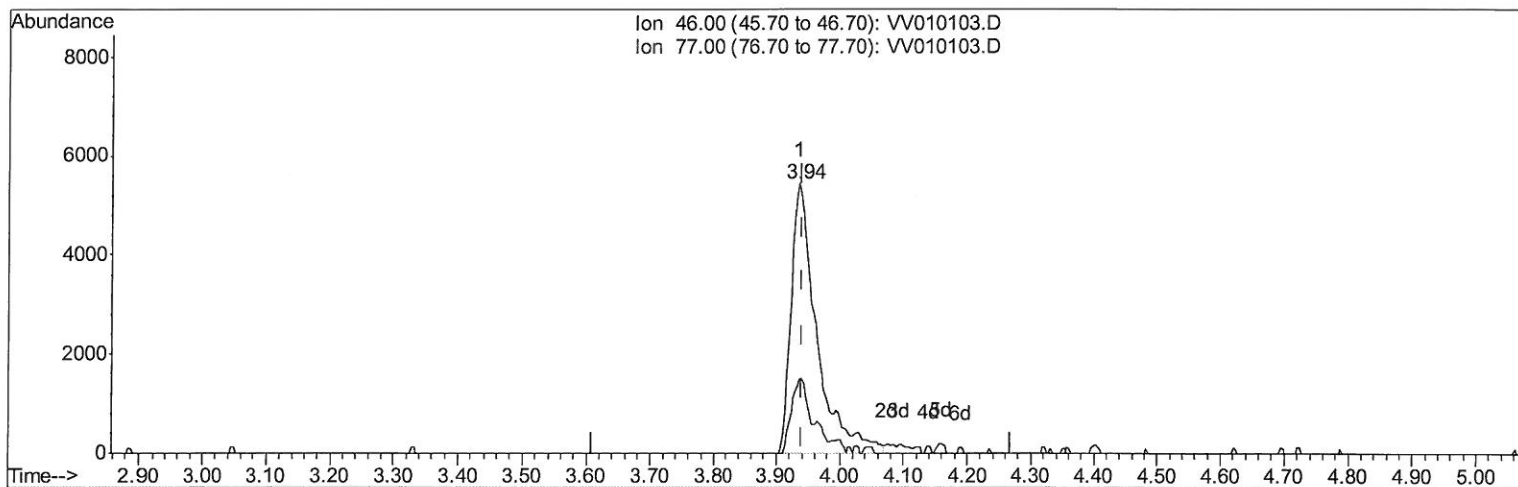
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040319\
 Data File : VV010103.D
 Acq On : 03 Apr 2019 20:41
 Operator : SY/MD
 Sample : K2148-14
 Misc : 5.31G/10mL/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5G1RE

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 10:40:46 AM

Quant Time: Apr 04 06:07:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 06:01:11 2019
 Response via : Initial Calibration



TIC: VV010103.D

(20) 2-Butanone-d5 (S)

3.936min (-0.003) 73.12ug/L m

response 15218

MD
4/6/19

Ion	Exp%	Act%
46.00	100	100
77.00	25.70	18.18
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

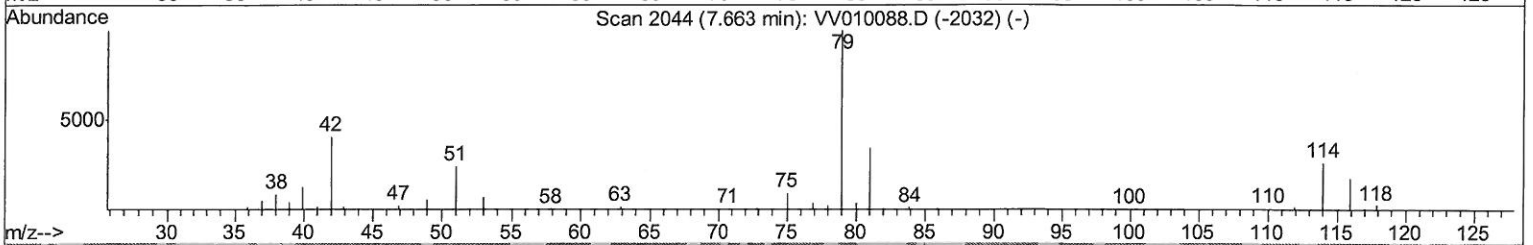
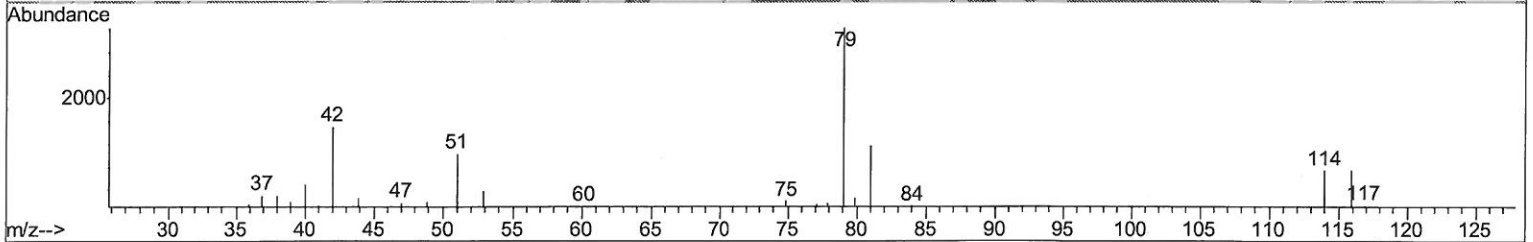
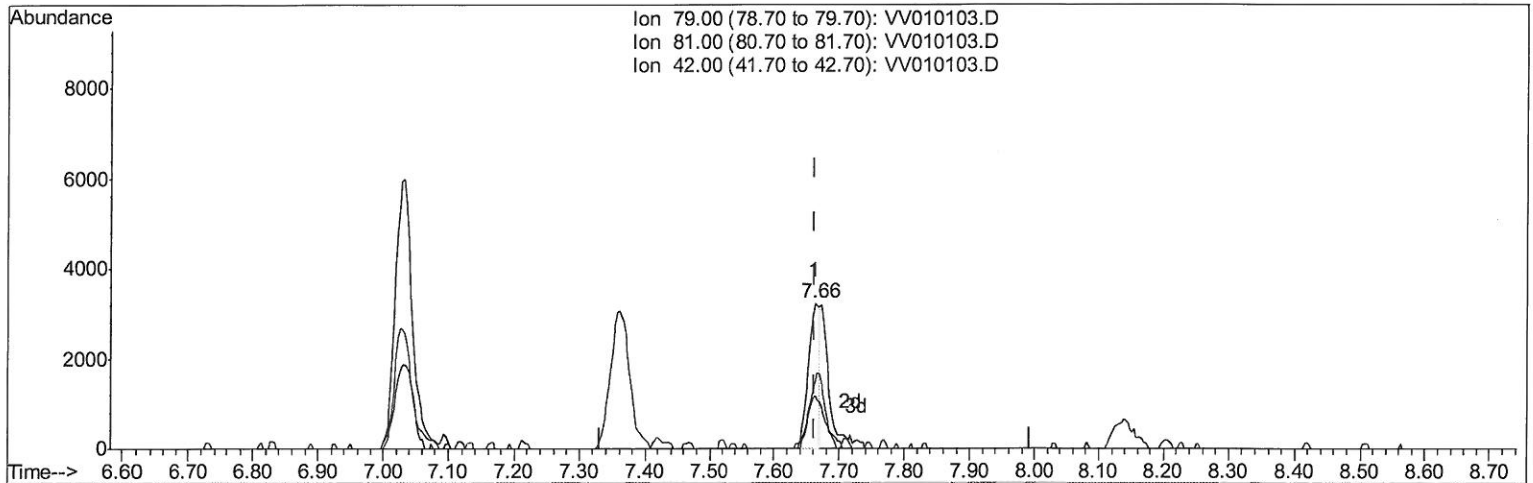
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040319\
 Data File : VV010103.D
 Acq On : 03 Apr 2019 20:41
 Operator : SY/MD
 Sample : K2148-14
 Misc : 5.31G/10mL/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5G1RE

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 10:40:46 AM

Quant Time: Apr 04 06:07:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 06:01:11 2019
 Response via : Initial Calibration



TIC: VV010103.D

(38) trans-1,3-Dichloropropene-d4 (S)

7.662min (+0.000) 11.09ug/L

response 3734

Ion	Exp%	Act%
79.00	100	100
81.00	31.70	58.36#
42.00	42.40	74.24#
0.00	0.00	0.00

Quantitation Report (Qedit)

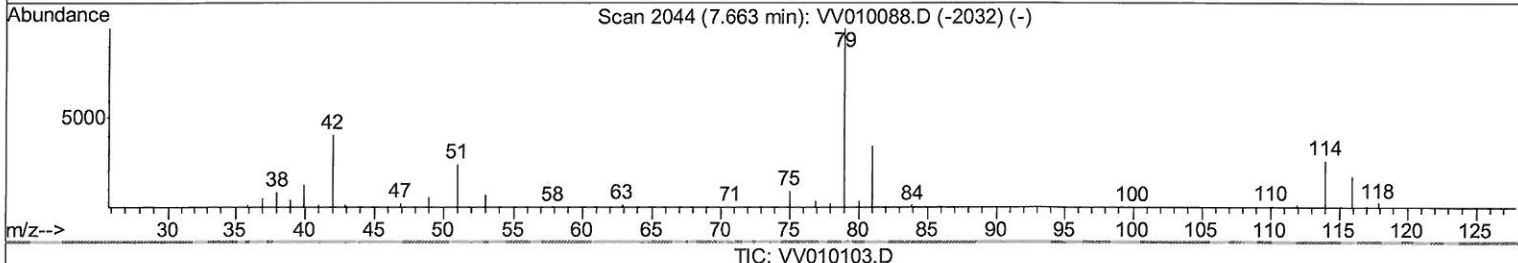
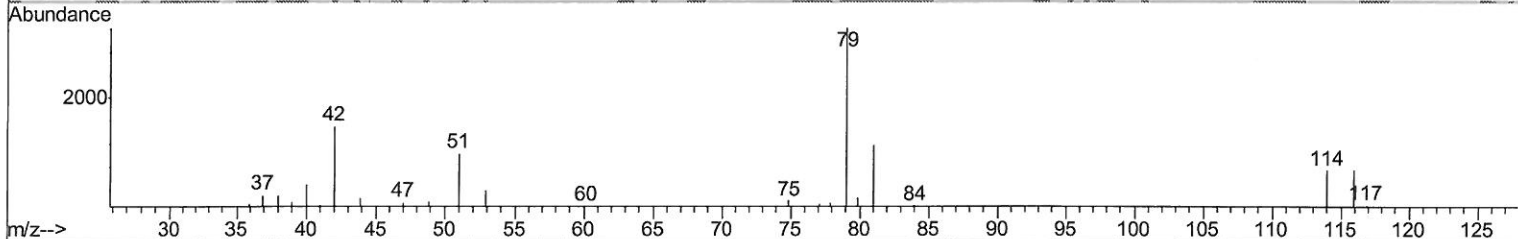
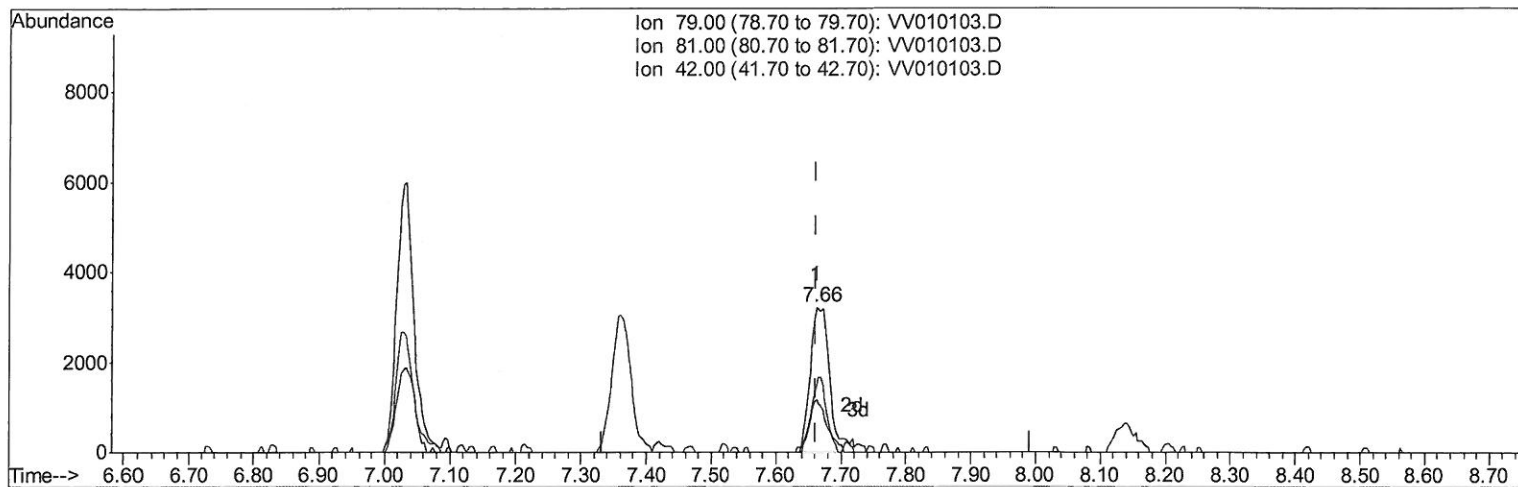
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040319\
 Data File : VV010103.D
 Acq On : 03 Apr 2019 20:41
 Operator : SY/MD
 Sample : K2148-14
 Misc : 5.31G/10mL/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5G1RE

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 10:40:46 AM

Quant Time: Apr 04 06:07:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 06:01:11 2019
 Response via : Initial Calibration



(38) trans-1,3-Dichloropropene-d4 (S)

7.662min (+0.000) 20.31ug/L m

response 6839

Ion	Exp%	Act%
79.00	100	100
81.00	31.70	31.86
42.00	42.40	40.53
0.00	0.00	0.00

→ MD
 4/6/19

Quantitation Report (Qedit)

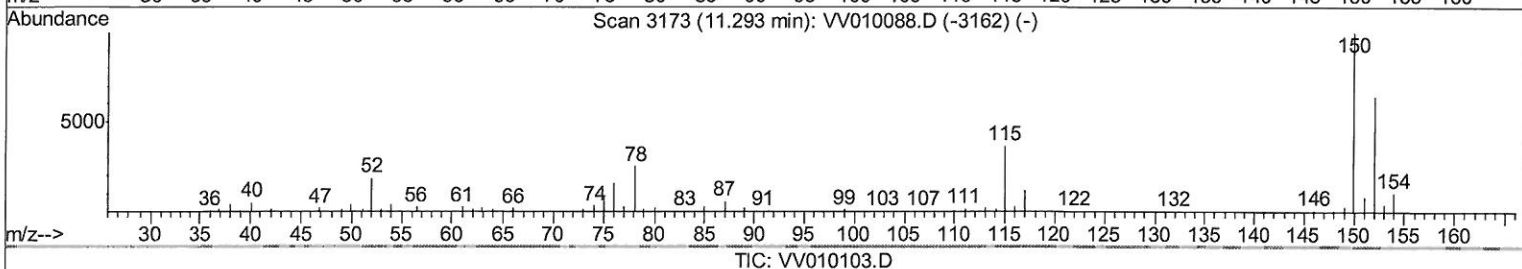
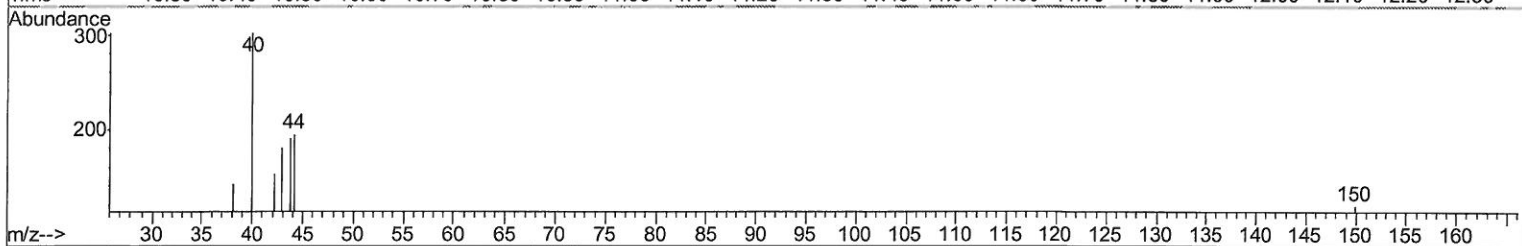
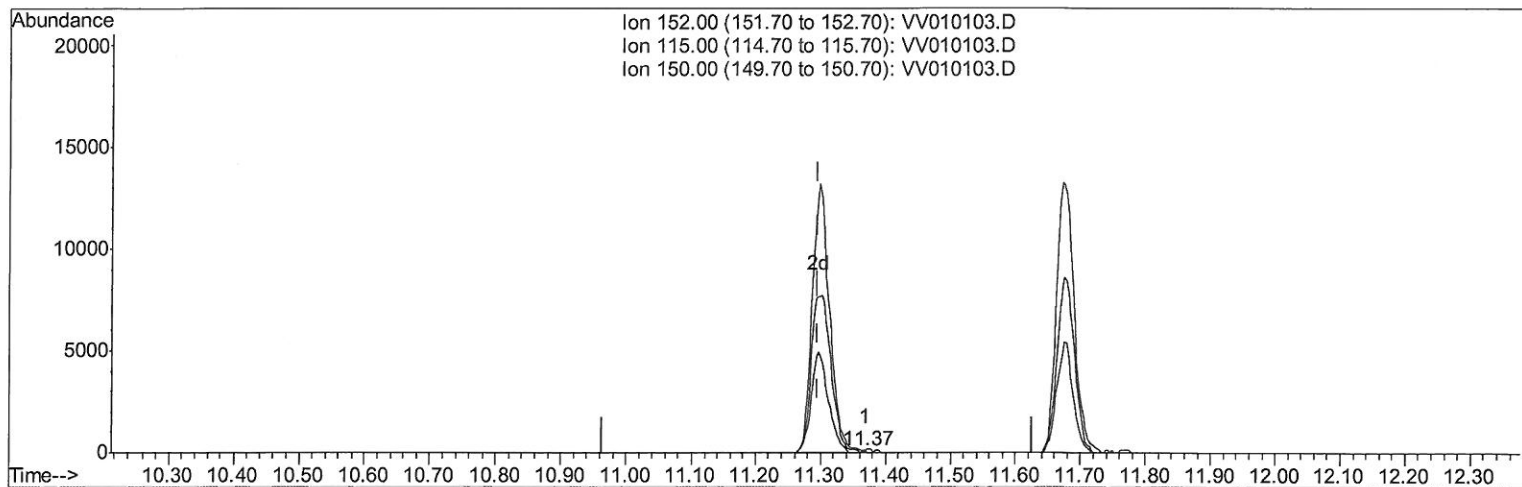
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040319\
 Data File : VV010103.D
 Acq On : 03 Apr 2019 20:41
 Operator : SY/MD
 Sample : K2148-14
 Misc : 5.31G/10mL/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5G1RE

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 10:40:46 AM

Quant Time: Apr 04 06:07:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 06:01:11 2019
 Response via : Initial Calibration



(60) 1,4-Dichlorobenzene-d4 (I)

11.370min (+0.074) 25.00ug/L

response 43

Ion	Exp%	Act%
152.00	100	100
115.00	57.20	104.65
150.00	168.40	281.40
0.00	0.00	0.00

Quantitation Report (Qedit)

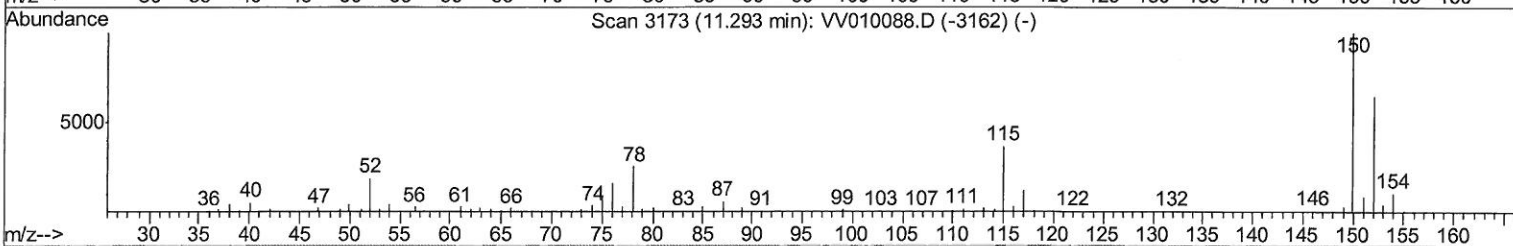
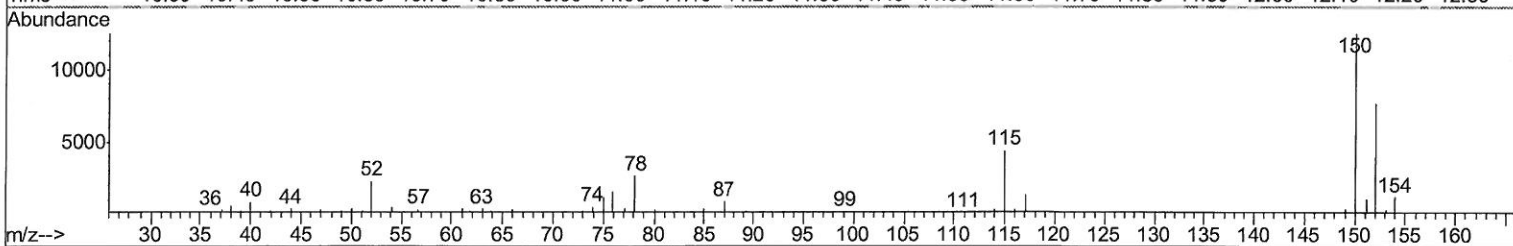
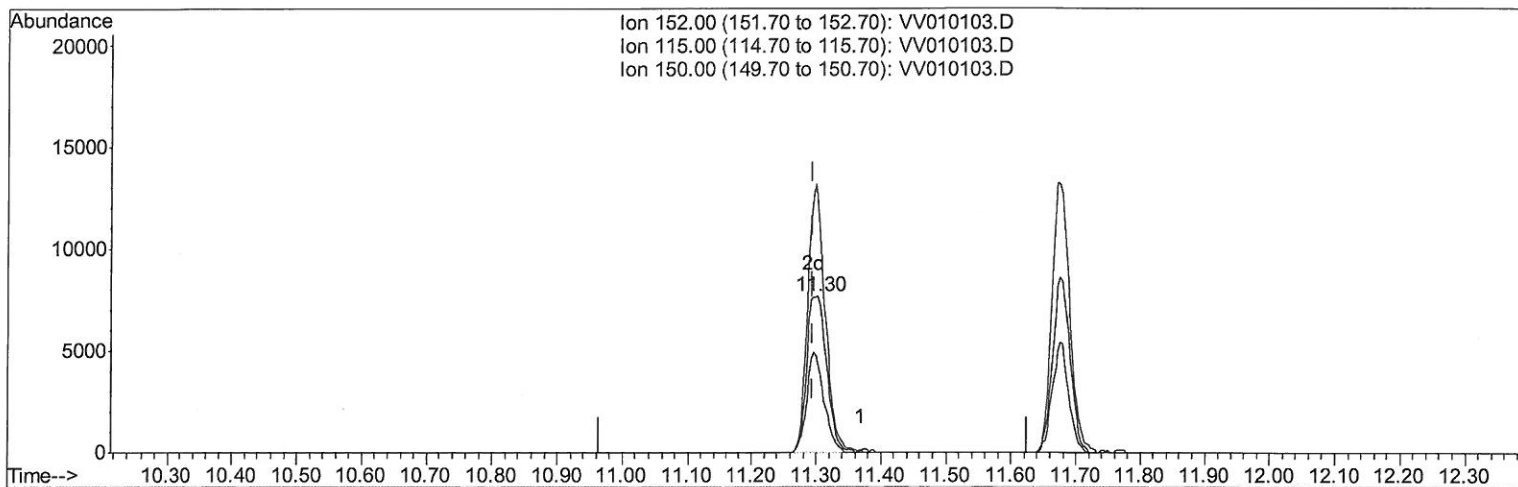
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040319\
Data File : VV010103.D
Acq On : 03 Apr 2019 20:41
Operator : SY/MD
Sample : K2148-14
Misc : 5.31G/10mL/MSVOA_V/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
BF5G1RE

Manual Integrations
APPROVED

MMDadoda
4/5/2019 10:40:46 AM

Quant Time: Apr 04 06:07:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 04 06:01:11 2019
Response via : Initial Calibration



TIC: VV010103.D

(60) 1,4-Dichlorobenzene-d4 (I)

11.302min (+0.006) 25.00ug/L m

response 16398

Ion	Exp%	Act%
152.00	100	100
115.00	57.20	0.27
150.00	168.40	0.74
0.00	0.00	0.00

7 MD
4/6/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040319\
 Data File : VV010103.D
 Acq On : 03 Apr 2019 20:41
 Operator : SY/MD
 Sample : K2148-14
 Misc : 5.31G/10mL/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF5G1RE

Manual Integrations
 APPROVED

MMDadoda
 4/5/2019 10:40:46 AM

Quant Time: Apr 04 08:23:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 04 06:01:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Difluorobenzene	5.67	114	54632	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	51469	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	16398m	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	13074	17.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	71.52%
7) Chloroethane-d5	1.58	69	14524	15.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	63.96%
10) 1,1-Dichloroethene-d2	2.13	63	27837	15.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.36%
20) 2-Butanone-d5	3.94	46	15218m	73.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	146.24%#
24) Chloroform-d	4.40	84	34058	24.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.96%
26) 1,2-Dichloroethane-d4	5.08	65	23721	30.81	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	123.24%
29) Benzene-d6	5.10	84	67042	25.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.48%
33) 1,2-Dichloropropane-d6	6.12	67	22911	29.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	116.36%
37) Toluene-d8	7.36	98	56900	22.13	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.52%
38) trans-1,3-Dichloropropene-	7.66	79	6839m	20.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.24%
39) 2-Hexanone-d5	8.14	63	7715	48.84	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.68%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	24710	31.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	127.24%#
61) 1,2-Dichlorobenzene-d4	11.68	152	16144	25.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.08%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acetone	2.19	43	6874	33.407	ug/L	91
16) Methylene chloride	2.54	84	7990	8.324	ug/L	95
47) Tetrachloroethene	8.02	164	833	1.374	ug/L #	74

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