

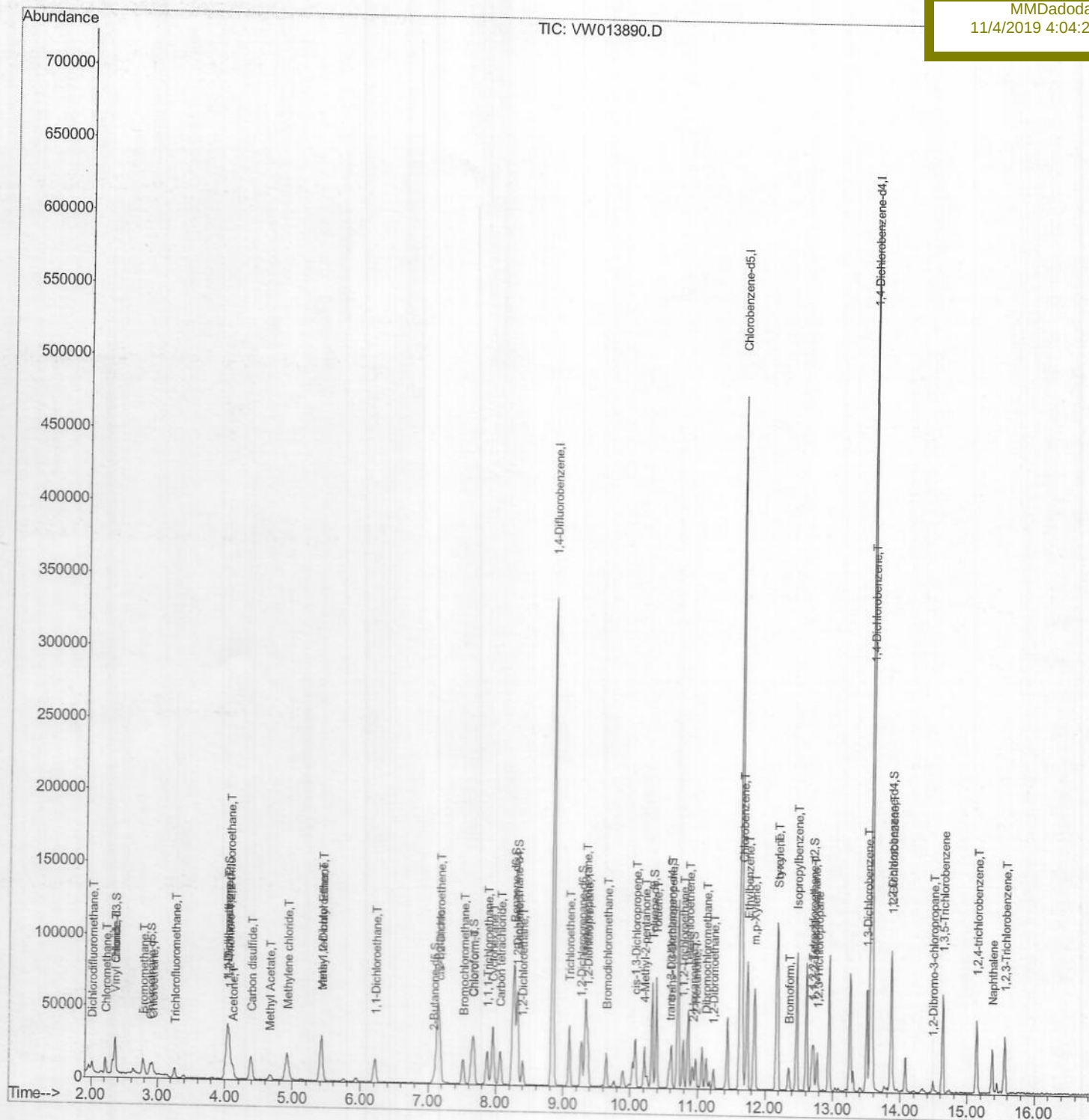
Quantitation Report (QT Reviewed)

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration

VSTD2.505

11/4/2019 4:04:29 PM



Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110119\
Quantitation Report (Qedit)

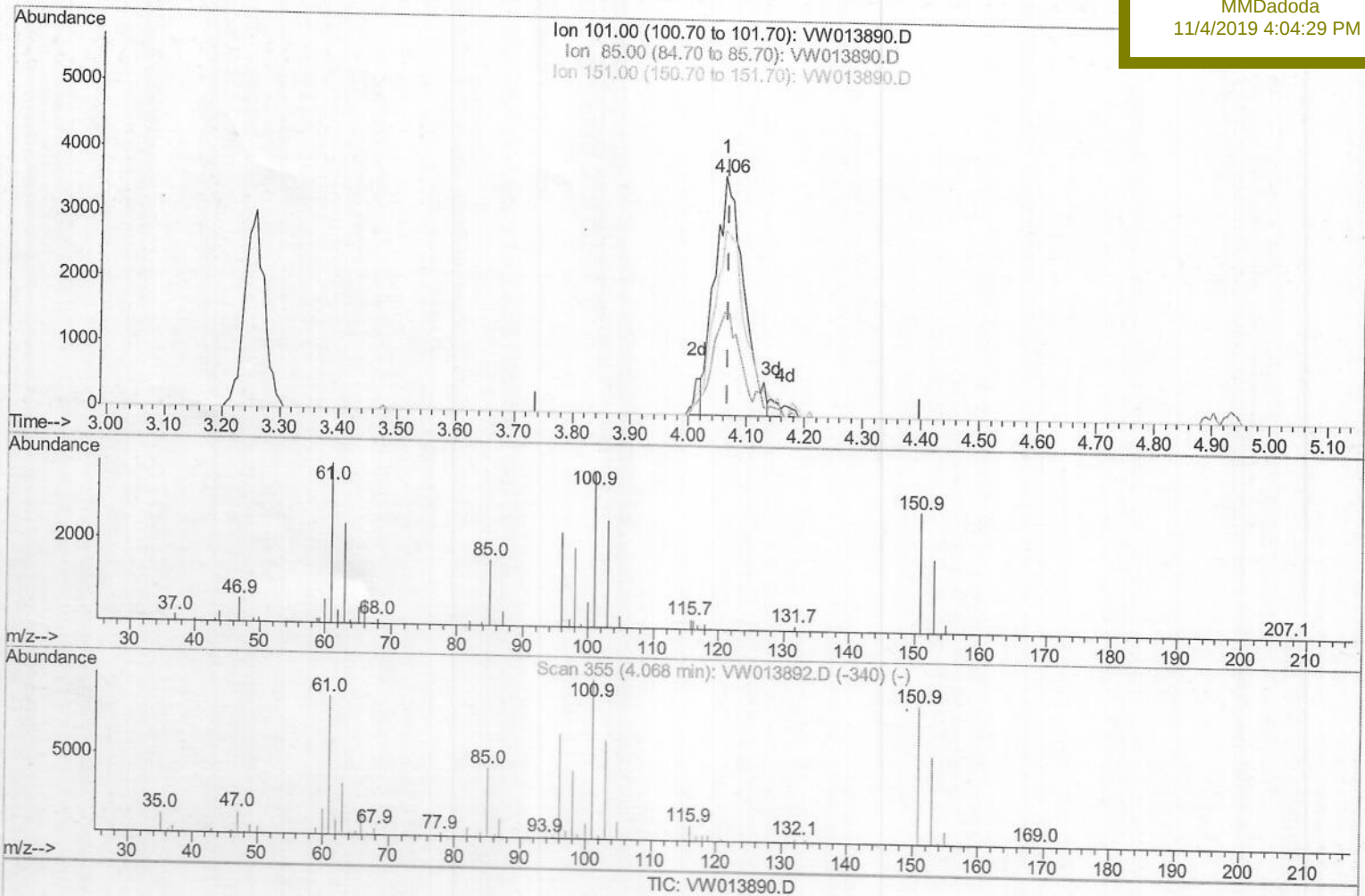
Data File : VW013890.D
Acq On : 01 Nov 2019 10:36
Operator : SY/VA
Sample : VSTD2.505
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 12:24:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 01 12:21:46 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

Manual Integrations
APPROVED

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11/4/2019 4:04:29 PM



(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.062min (-0.006) 2.58ug/L

response 12673

Ion	Exp%	Act%
101.00	100	100
85.00	38.60	41.54
151.00	82.90	66.99
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110119\

Quantitation Report (Qedit)

Data File : VW013890.D

Acq On : 01 Nov 2019 10:36

Operator : SY/VA

Sample : VSTD2.505

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 12:24:07 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M

Quant Title : VOC Analysis

QLast Update : Fri Nov 01 12:21:46 2019

Response via : Initial Calibration

Instrument :

MSVOA_W

Client Sampled :

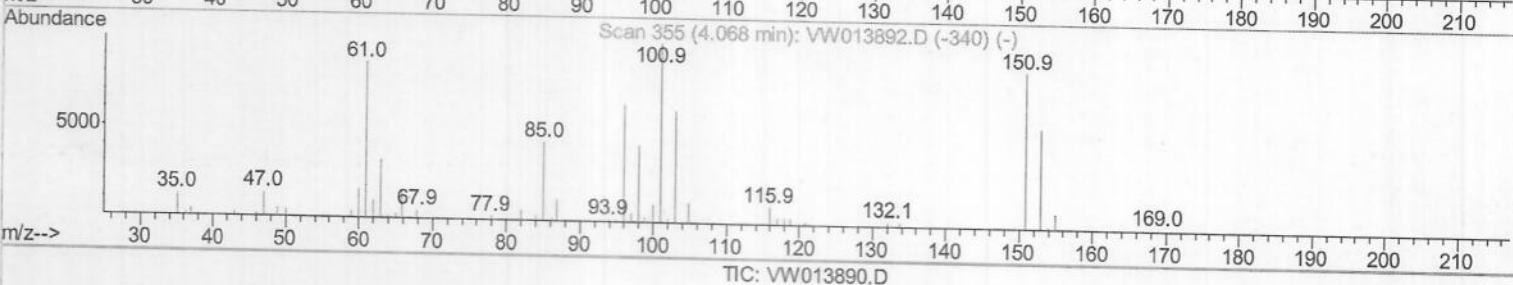
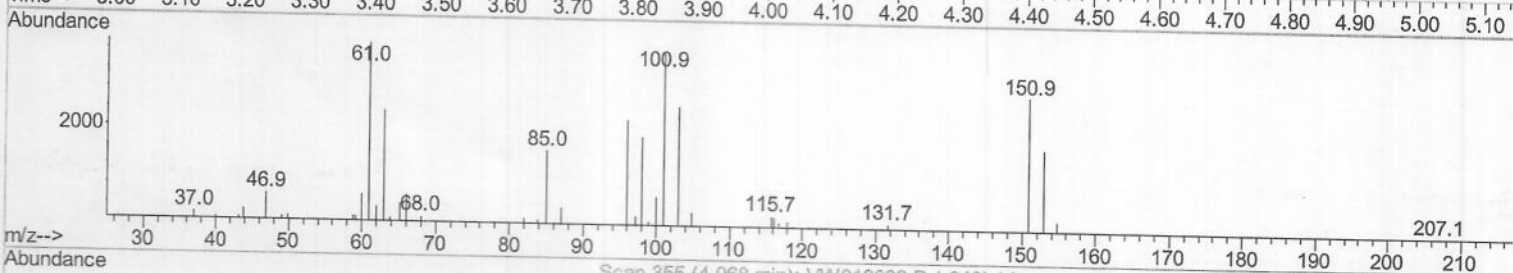
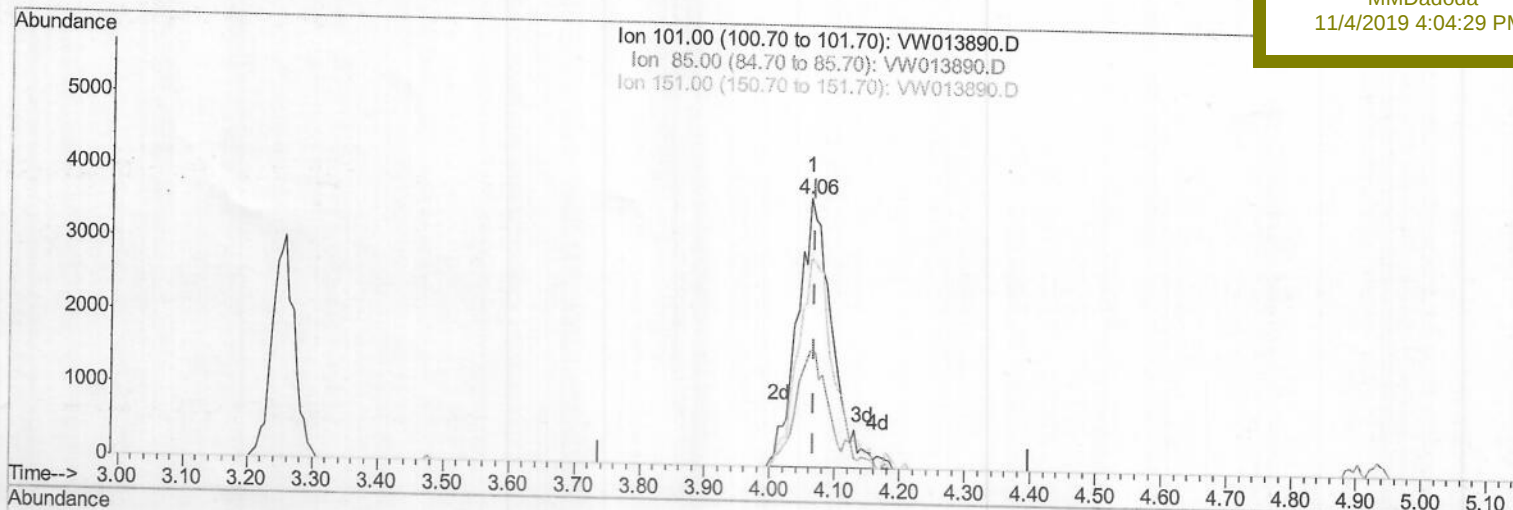
VSTD2.505

Manual Integrations

APPROVED

MMDadoda

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(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.062min (-0.006) 2.74ug/L m

response 13473

Ion Exp% Act%

101.00 100 100

85.00 38.60 39.07

151.00 82.90 63.01#

0.00 0.00 0.00

> 97 11/04/19

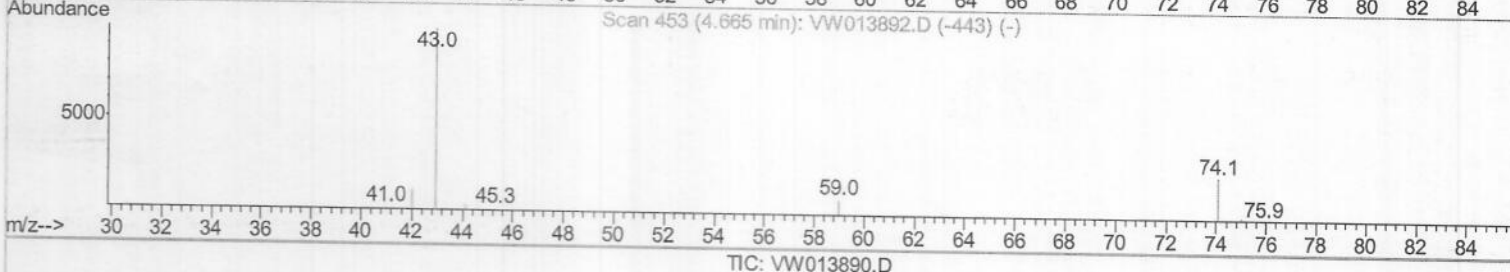
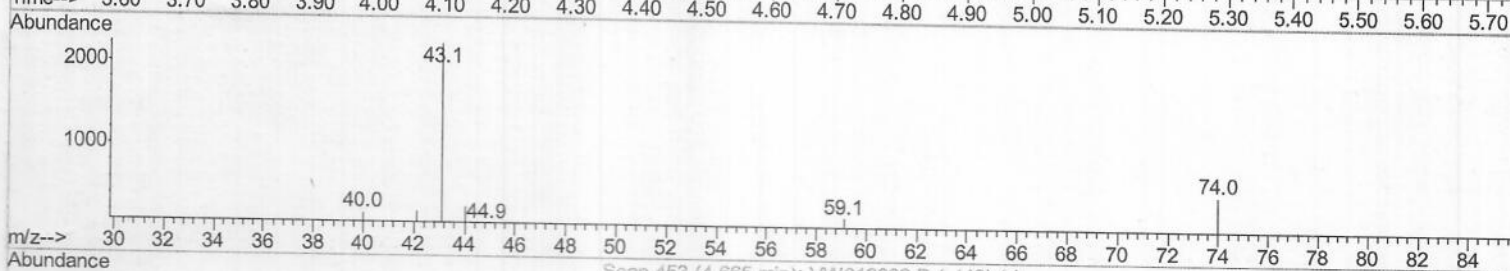
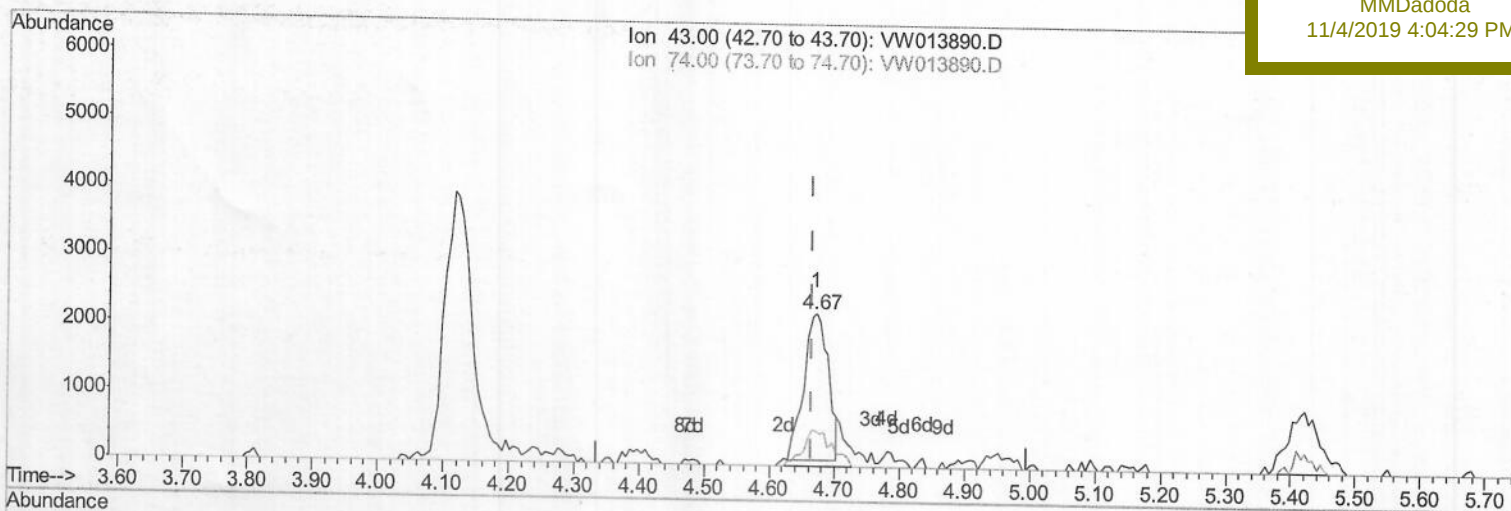
Data File : VW013890.D
Acq On : 01 Nov 2019 10:36
Operator : SY/VA
Sample : VSTD2.505
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 12:24:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 01 12:21:46 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
Client Sample Id :
VSTD2.505

Manual Integrations
APPROVED

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(15) Methyl Acetate (T)

4.672min (+0.006) 2.04ug/L

response 5585

Ion	Exp%	Act%
43.00	100	100
74.00	23.90	16.96#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110119\
Quantitation Report (Qedit)

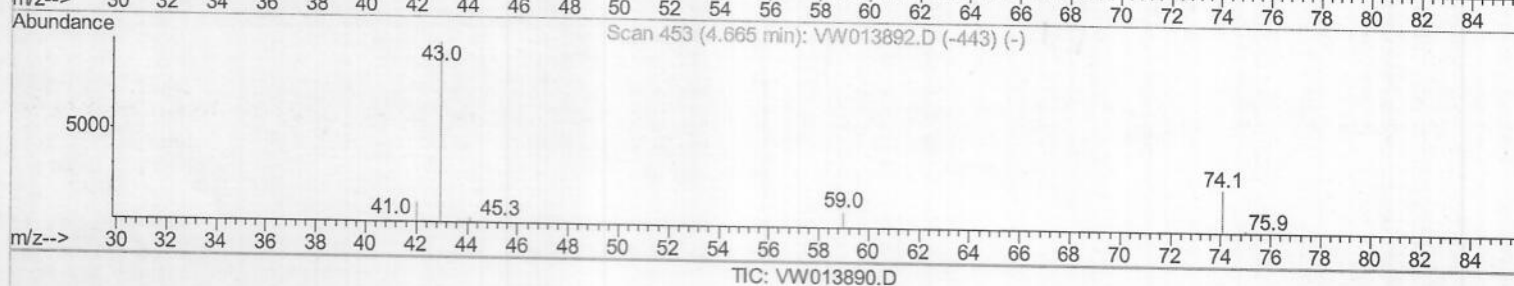
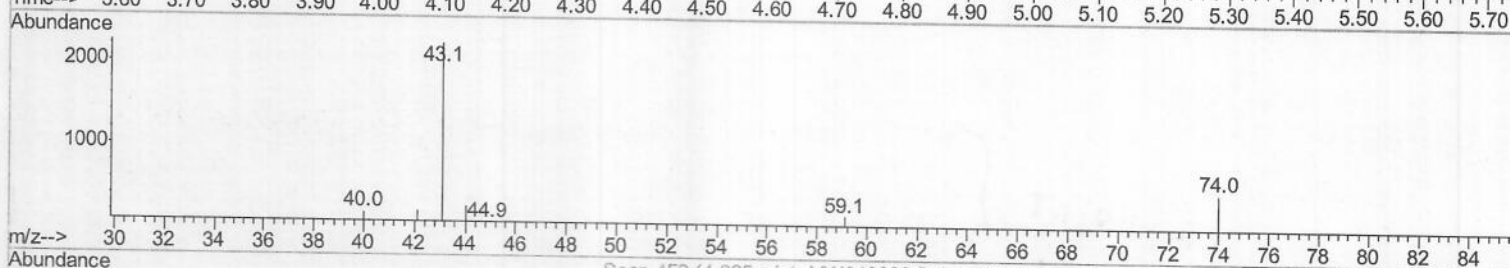
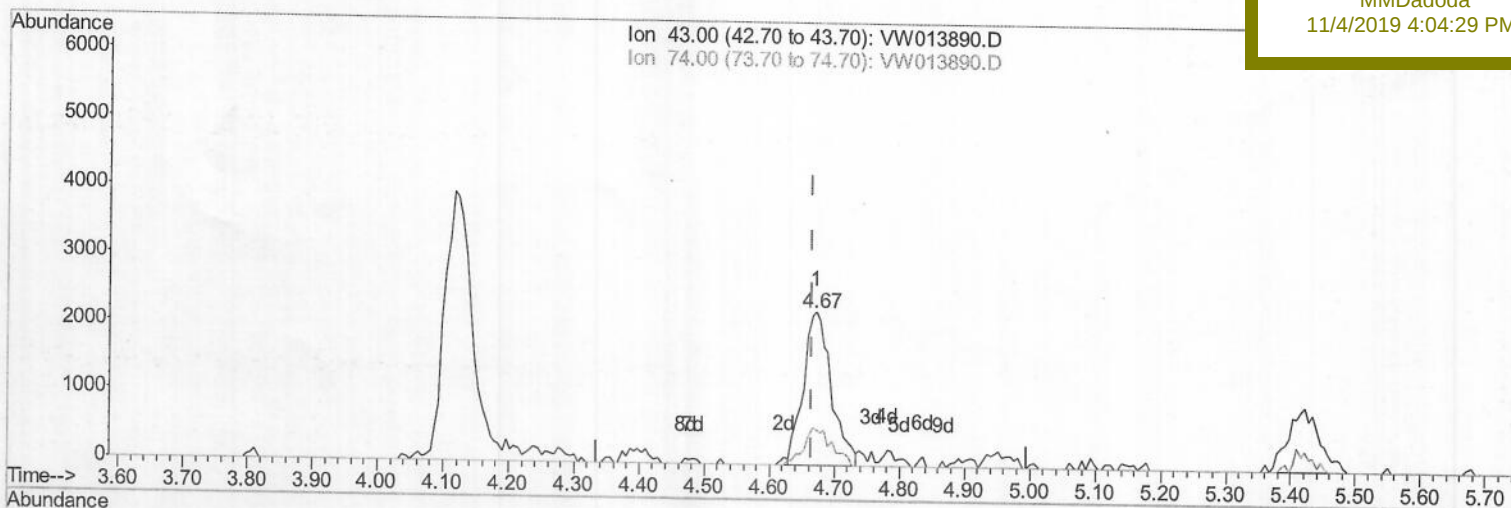
Data File : VW013890.D
Acq On : 01 Nov 2019 10:36
Operator : SY/VA
Sample : VSTD2.505
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 12:24:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 01 12:21:46 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
Client Sample Id :
VSTD2.505

Manual Integrations
APPROVED

MMDadoda
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(15) Methyl Acetate (T)

4.672min (+0.006) 2.42ug/L m

response 6648

Ion Exp% Act%

43.00 100 100

74.00 23.90 14.24#

0.00 0.00 0.00

0.00 0.00 0.00

SY 11/04/19

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110119\
Quantitation Report (Qedit)

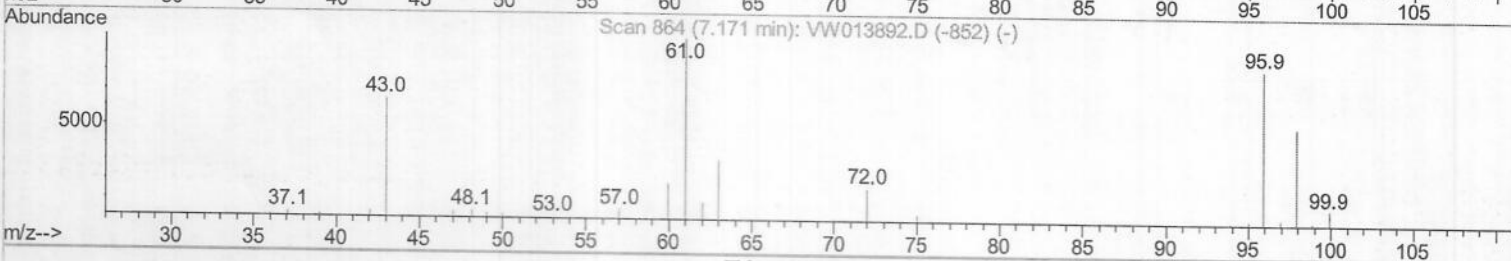
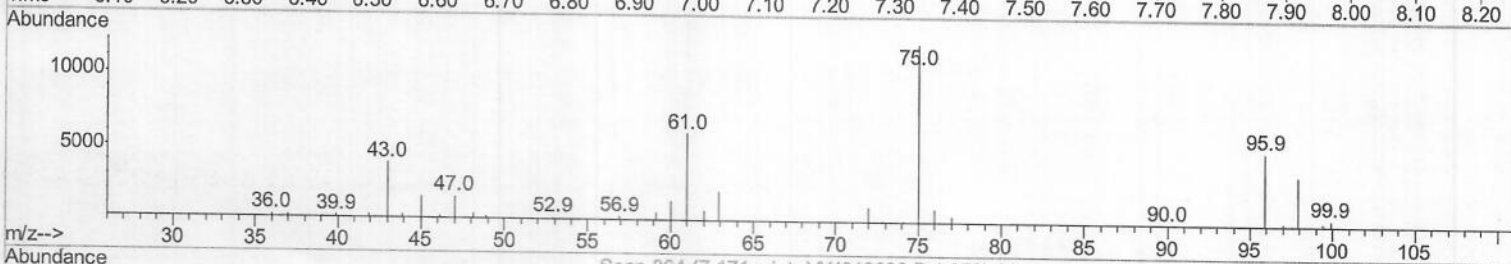
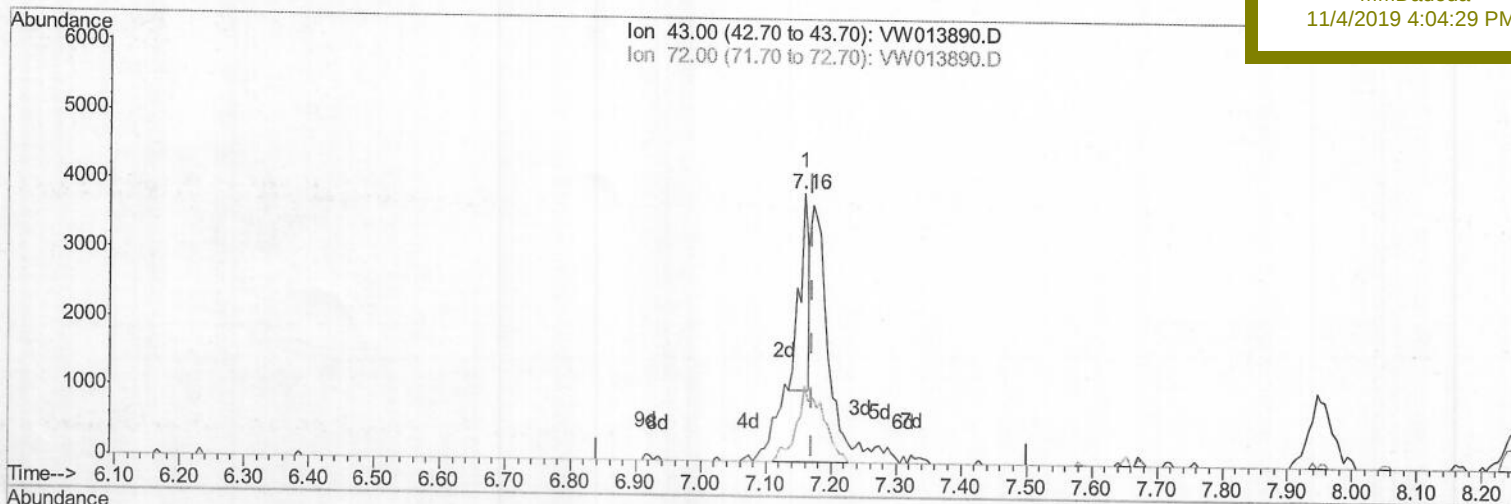
Data File : VW013890.D
Acq On : 01 Nov 2019 10:36
Operator : SY/VA
Sample : VSTD2.505
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 12:24:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 01 12:21:46 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
Client Sampled :
VSTD2.505

Manual Integrations
APPROVED

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TIC: VW013890.D

(21) 2-Butanone

7.159min (-0.012) 1.35ug/L

response 2896

Ion	Exp%	Act%
43.00	100	100
72.00	27.20	99.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110119\

Quantitation Report (Qedit)

Data File : VW013890.D

Acq On : 01 Nov 2019 10:36

Operator : SY/VA

Sample : VSTD2.505

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 12:24:07 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M

Quant Title : VOC Analysis

QLast Update : Fri Nov 01 12:21:46 2019

Response via : Initial Calibration

Instrument :

MSVOA_W

Client Sampled :

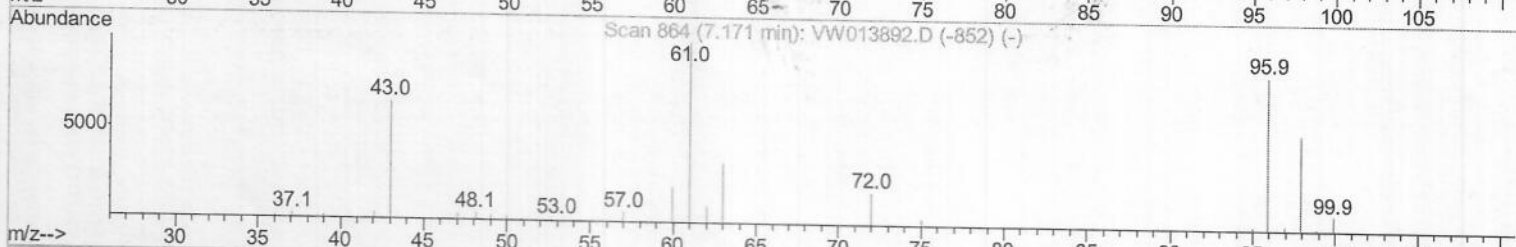
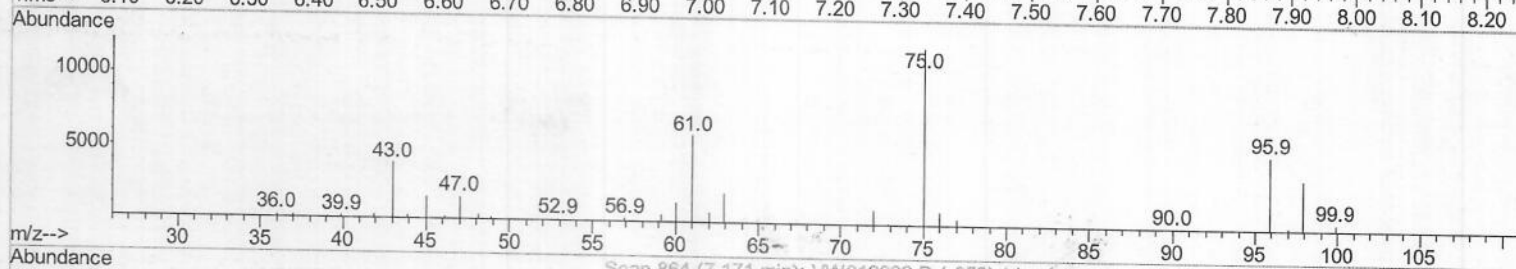
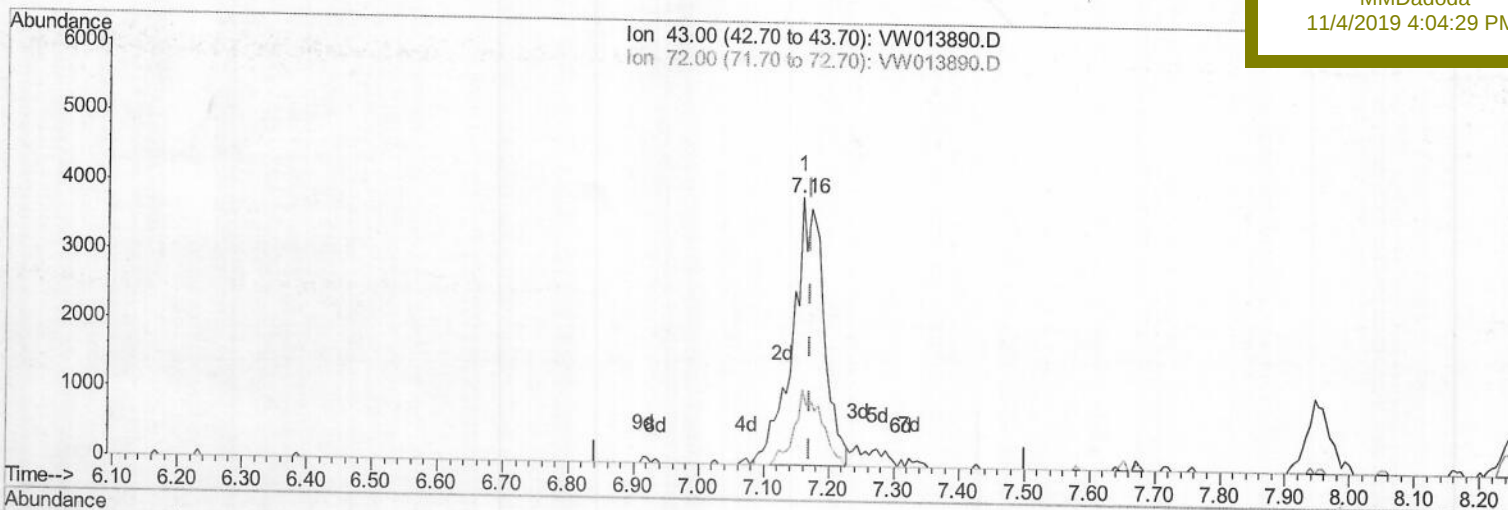
VSTD2.505

Manual Integrations

APPROVED

MMDadoda

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TIC: VW013890.D

(21) 2-Butanone

7.159min (-0.012) 6.00ug/L m

response 12822

Ion	Exp%	Act%
43.00	100	100
72.00	27.20	22.36
0.00	0.00	0.00
0.00	0.00	0.00

> 5g 11/04/19

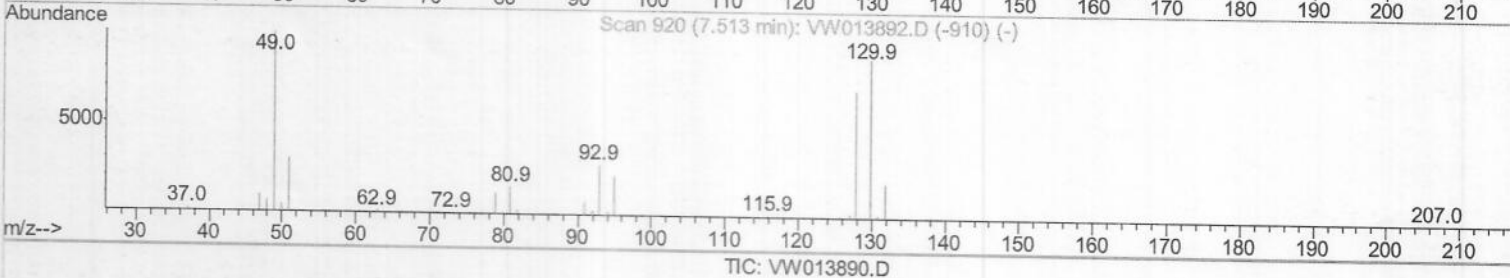
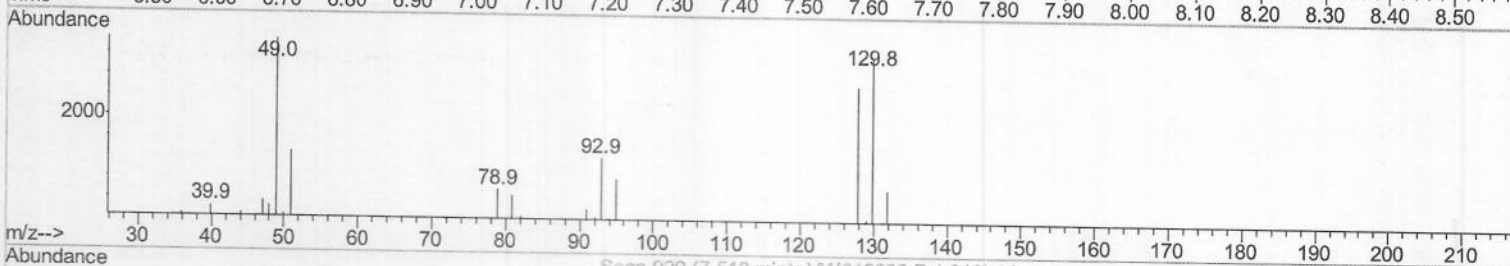
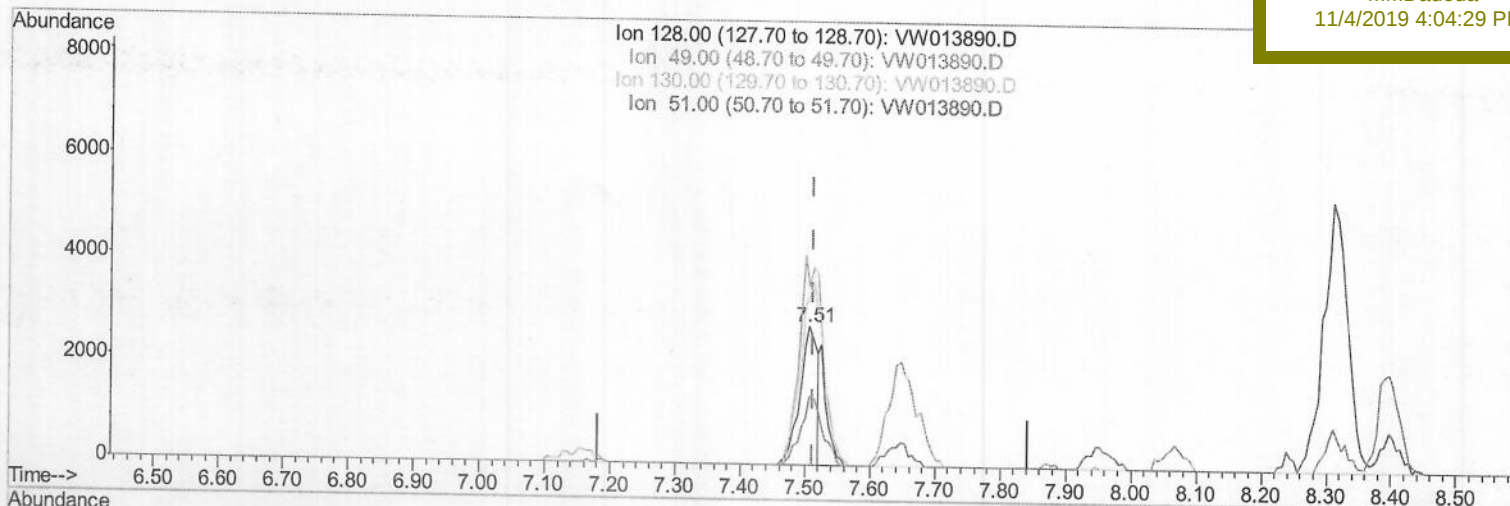
Data File : VW013890.D
Acq On : 01 Nov 2019 10:36
Operator : SY/VA
Sample : VSTD2.505
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 12:24:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 01 12:21:46 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTD2.505

Manual Integrations
APPROVED

MMDadoda
11/4/2019 4:04:29 PM



(23) Bromochloromethane (T)

7.507min (-0.006) 1.89ug/L

response 4881

Ion	Exp%	Act%
128.00	100	100
49.00	141.00	129.55
130.00	124.00	121.09
51.00	42.70	49.25

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110119\
Quantitation Report (Qedit)

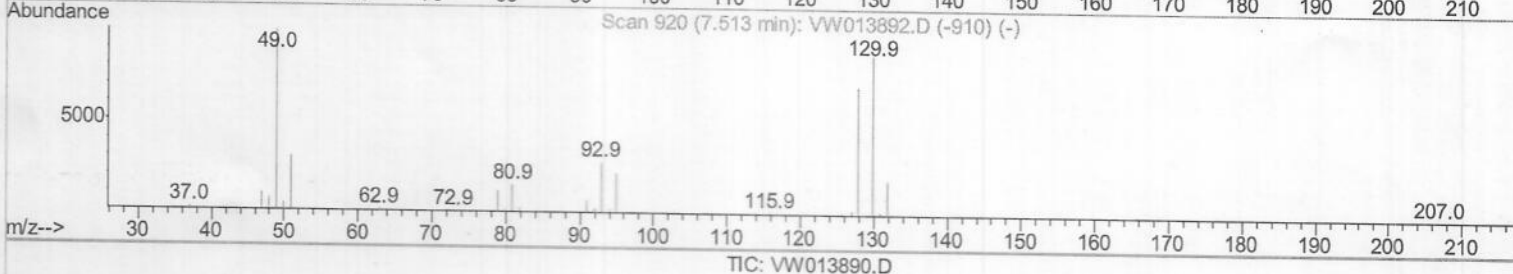
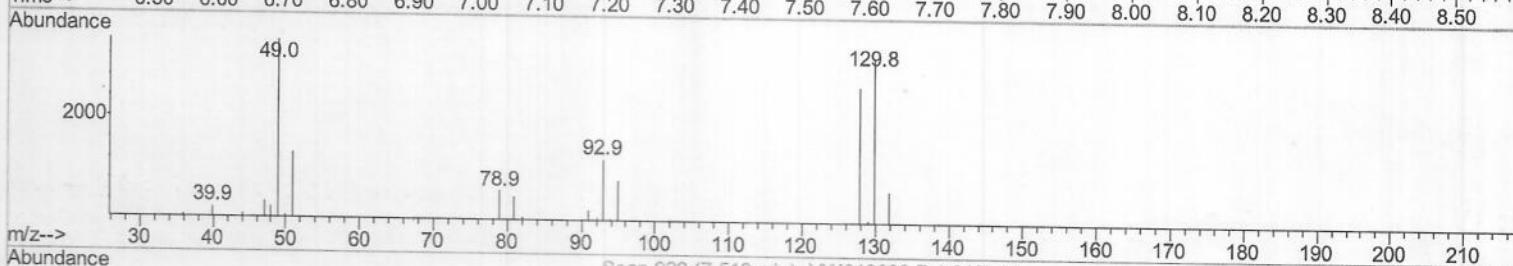
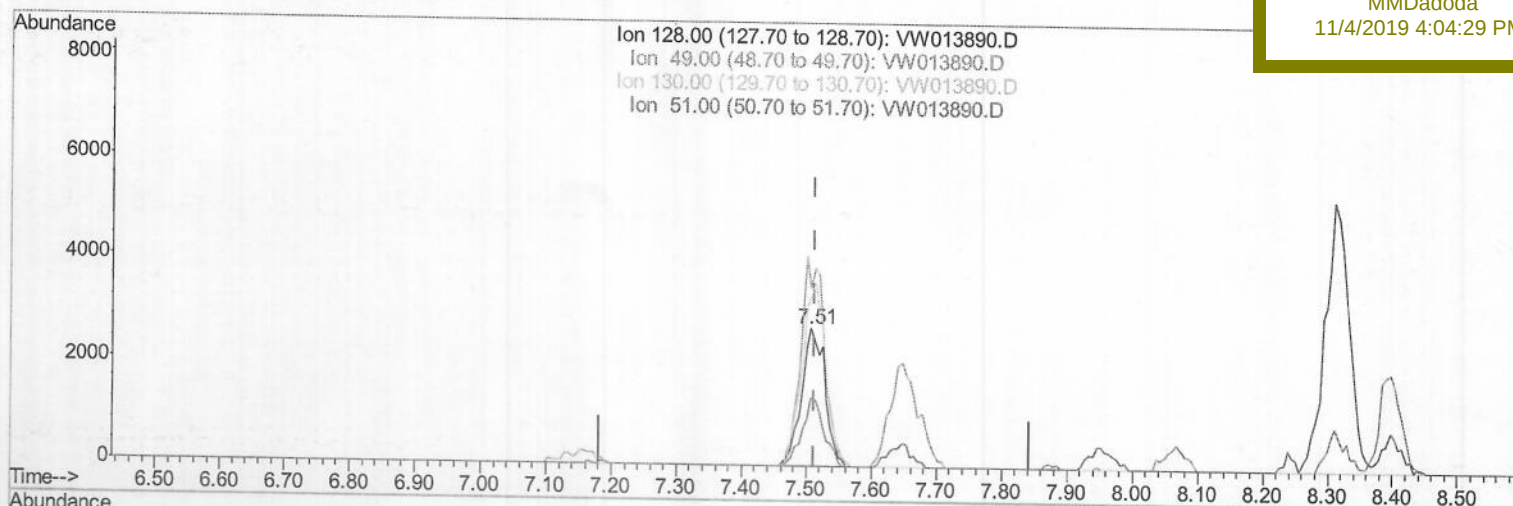
Data File : VW013890.D
Acq On : 01 Nov 2019 10:36
Operator : SY/VA
Sample : VSTD2.505
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 12:24:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 01 12:21:46 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
Client Sampled :
VSTD2.505

Manual Integrations
APPROVED

MMDadoda
11/4/2019 4:04:29 PM



(23) Bromochloromethane (T)

7.507min (-0.006) 2.60ug/L m

response 6699

Ion	Exp%	Act%
128.00	100	100
49.00	141.00	129.55
130.00	124.00	121.09
51.00	42.70	49.25

> 5g 11/04/19

Data File : VW013890.D

Acq On : 01 Nov 2019 10:36

Operator : SY/VA

Sample : VSTD2.505

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 12:27:23 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M

Quant Title : VOC Analysis

QLast Update : Fri Nov 01 12:21:46 2019

Response via : Initial Calibration

Instrument :

MSVOA_W

ClientSampled :

VSTD2.505

Manual Integrations

APPROVED

MMDadoda

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	297529	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	290438	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	171451	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	12906	2.85	ug/L	0.00
7) Chloroethane-d5	2.89	69	9580	2.70	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	25059	2.76	ug/L	0.00
20) 2-Butanone-d5	7.08	46	7352	4.62	ug/L	0.00
24) Chloroform-d	7.64	84	24810	2.72	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.30	65	13657	2.76	ug/L	0.00
29) Benzene-d6	8.27	84	50784	2.70	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	15769	2.80	ug/L	0.00
37) Toluene-d8	10.32	98	47118	2.62	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	6756	2.62	ug/L	0.00
39) 2-Hexanone-d5	10.92	63	5473	4.22	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	12954	2.53	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	18142	2.75	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.02	85	7935	2.412	ug/L	97
3) Chloromethane	2.21	50	9979	2.822	ug/L	99
5) Vinyl chloride	2.36	62	13690	2.730	ug/L	96
6) Bromomethane	2.78	94	8962	2.837	ug/L	96
8) Chloroethane	2.92	64	7561	2.670	ug/L	98
9) Trichlorofluoromethane	3.26	101	7030	3.215	ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	13473m	2.743	ug/L	
12) 1,1-Dichloroethene	4.03	96	13166	2.673	ug/L	82
13) Acetone	4.12	43	11033	7.406	ug/L	97
14) Carbon disulfide	4.39	76	36088	2.521	ug/L	# 93
15) Methyl Acetate	4.67	43	6648m	2.423	ug/L	
16) Methylene chloride	4.92	84	16840	2.895	ug/L	94
17) Methyl tert-butyl Ether	5.42	73	15878	2.589	ug/L	98
18) trans-1,2-Dichloroethene	5.42	96	13474	2.611	ug/L	97
19) 1,1-Dichloroethane	6.21	63	23105	2.618	ug/L	97
21) 2-Butanone	7.16	43	12822m	5.998	ug/L	
22) cis-1,2-Dichloroethene	7.17	96	13991	2.533	ug/L	99
23) Bromochloromethane	7.51	128	6699m	2.598	ug/L	
25) Chloroform	7.68	83	24172	2.728	ug/L	99
27) 1,2-Dichloroethane	8.40	62	15412	2.645	ug/L	99
30) Cyclohexane	7.96	56	21105	2.532	ug/L	99
31) 1,1,1-Trichloroethane	7.87	97	18672	2.805	ug/L	99
32) Carbon tetrachloride	8.07	117	17757	2.680	ug/L	97
34) Benzene	8.32	78	54226	2.692	ug/L	100
35) Trichloroethene	9.09	95	14362	2.702	ug/L	98
36) Methylcyclohexane	9.33	83	24555	2.669	ug/L	98
40) 1,2-Dichloropropane	9.36	63	13162	2.645	ug/L	98
41) Bromodichloromethane	9.64	83	16095	2.576	ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	19096	2.445	ug/L	96
43) 4-Methyl-2-pentanone	10.21	43	19525	5.086	ug/L	95

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Data File : VW013890.D
Acq On : 01 Nov 2019 10:36
Operator : SY/VA
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Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
Client Sampled :
VSTD2.505

Quant Time: Nov 01 12:27:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM110119S.M
Quant Title : VOC Analysis
QLast Update : Fri Nov 01 12:21:46 2019
Response via : Initial Calibration

Manual Integrations
APPROVED

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11/4/2019 4:04:29 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	10.38	91	56024	2.576	ug/L	94
45) trans-1,3-Dichloropropene	10.60	75	15931	2.501	ug/L	96
46) 1,1,2-Trichloroethane	10.79	97	10661	2.658	ug/L	85
47) Tetrachloroethene	10.86	164	13561	2.841	ug/L	97
49) 2-Hexanone	10.97	43	13549	4.932	ug/L	95
50) Dibromochloromethane	11.13	129	11247	2.412	ug/L	93
51) 1,2-Dibromoethane	11.24	107	10042	2.558	ug/L #	96
52) Chlorobenzene	11.66	112	37233	2.640	ug/L	99
53) Ethylbenzene	11.73	91	62442	2.601	ug/L	92
54) m,p-Xylene	11.84	106	23736	2.527	ug/L	97
55) o-xylene	12.16	106	22126	2.503	ug/L	95
56) Styrene	12.18	104	37889	2.498	ug/L	98
57) Isopropylbenzene	12.46	105	59574	2.518	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.71	83	13044	2.590	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	9706	2.529	ug/L	98
62) Bromoform	12.35	173	7598	2.547	ug/L	98
63) 1,3-Dichlorobenzene	13.50	146	30282	2.706	ug/L	98
64) 1,4-Dichlorobenzene	13.58	146	31577	2.782	ug/L	95
65) 1,2-Dichlorobenzene	13.87	146	27425	2.651	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.48	75	2139	2.617	ug/L #	79
67) 1,3,5-Trichlorobenzene	14.63	180	21686	2.519	ug/L	98
68) 1,2,4-trichlorobenzene	15.13	180	17024	2.465	ug/L	93
69) Naphthalene	15.36	128	26642	2.006	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	15403	2.413	ug/L	98

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