Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\

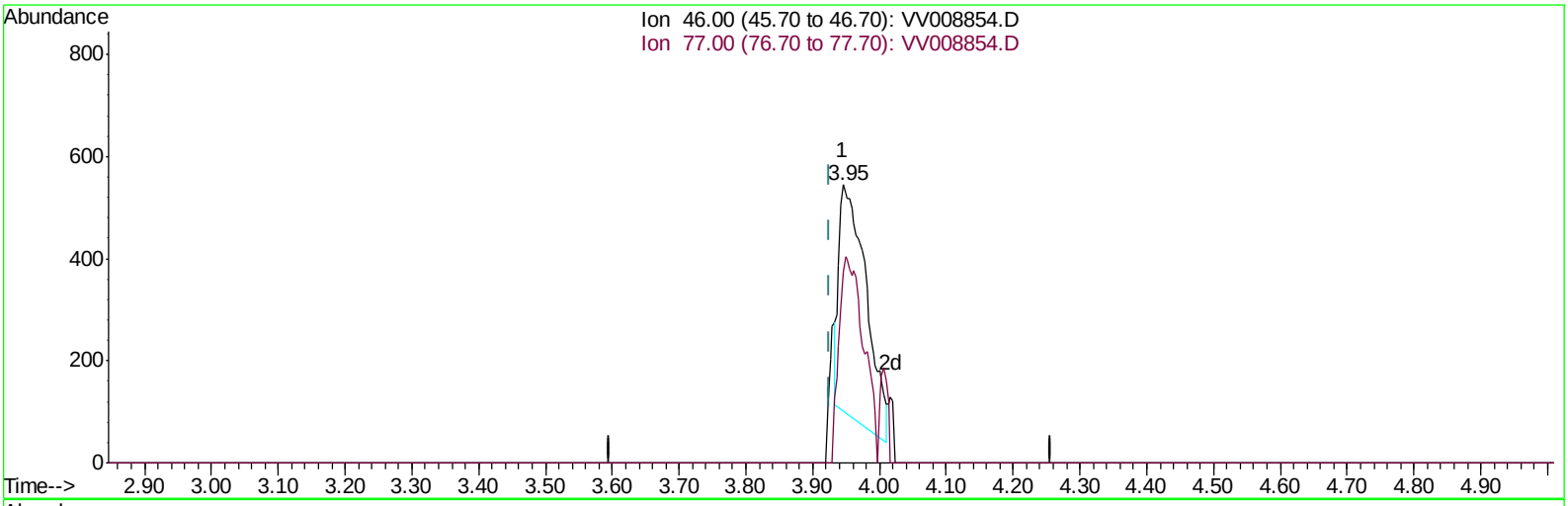
Quantitation Report (Qedit)

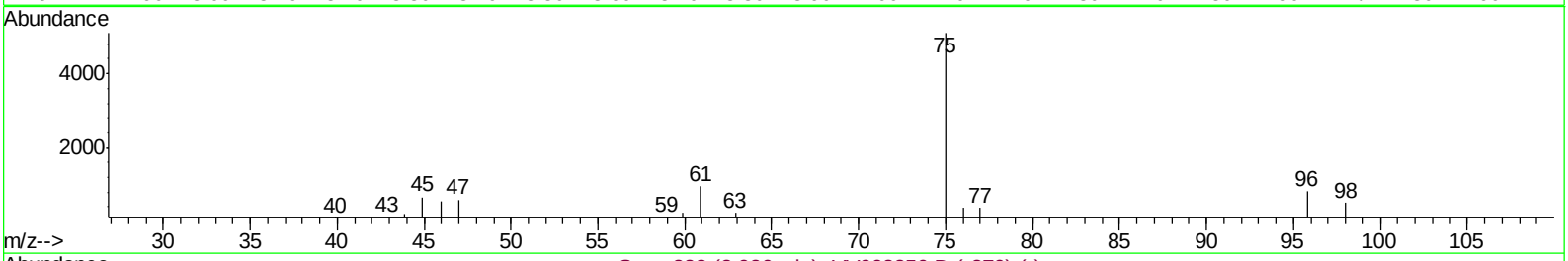
Data File : VV008854.D
Acq On : 06 Dec 2018 11:22
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

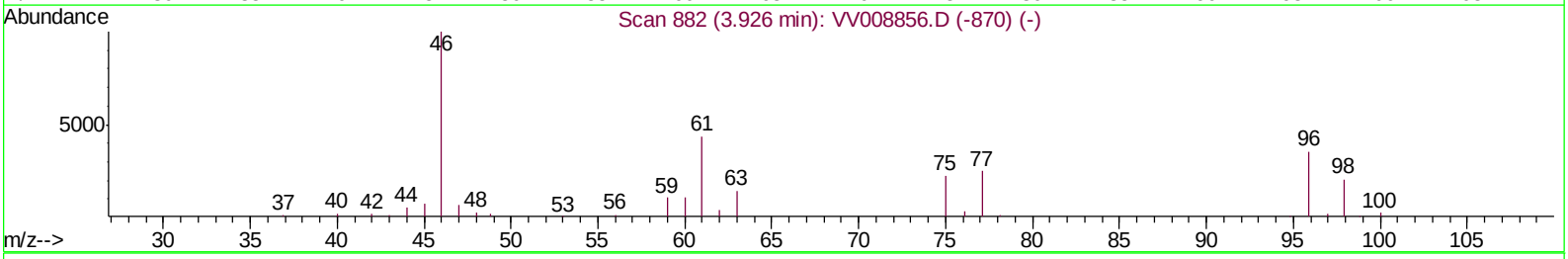
Quant Time: Dec 07 00:32:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Manual Integrations APPROVED
sam
12/11/2018 4:25:09 PM







TIC: VV008854.D

(20) 2-Butanone-d5 (S)

3.945min (+0.019) 1.89ug/L

response 1270

Ion	Exp%	Act%
46.00	100	100
77.00	28.30	41.73#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\

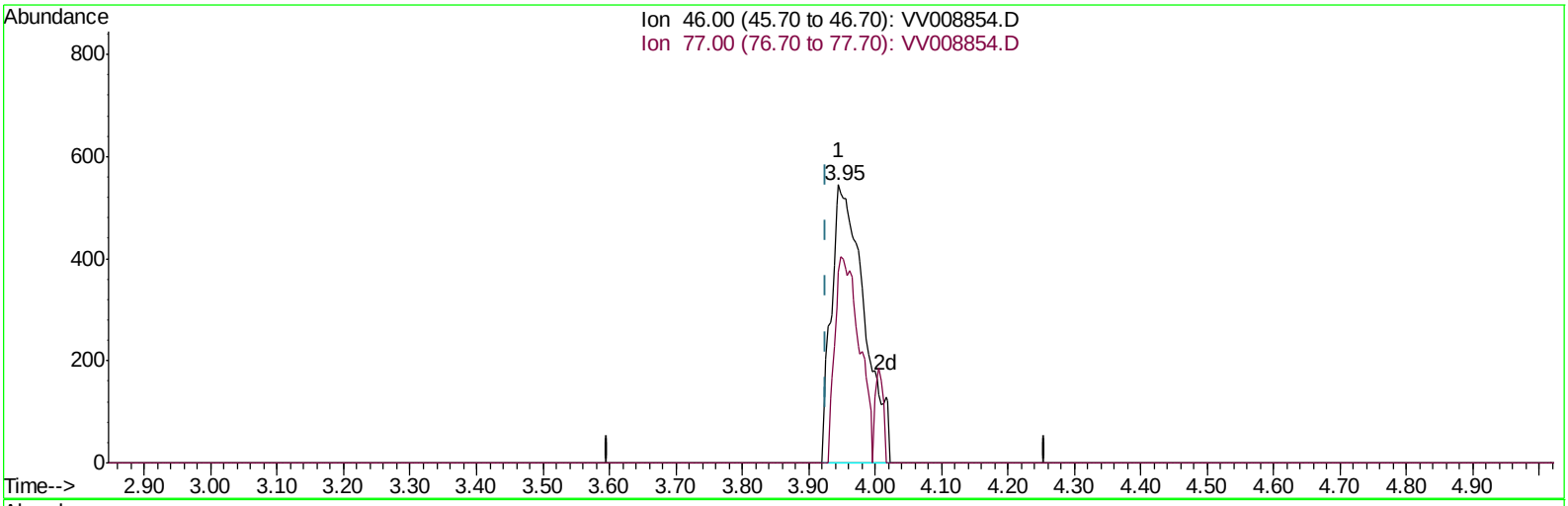
Quantitation Report (Qedit)

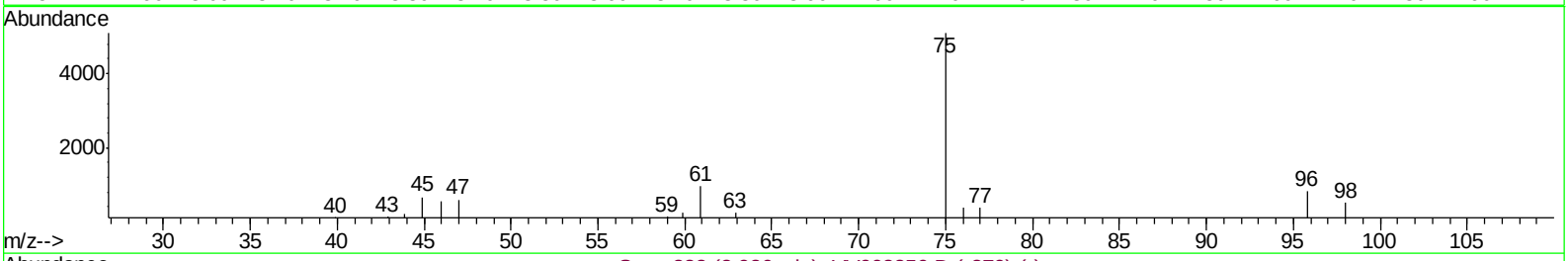
Data File : VV008854.D
Acq On : 06 Dec 2018 11:22
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

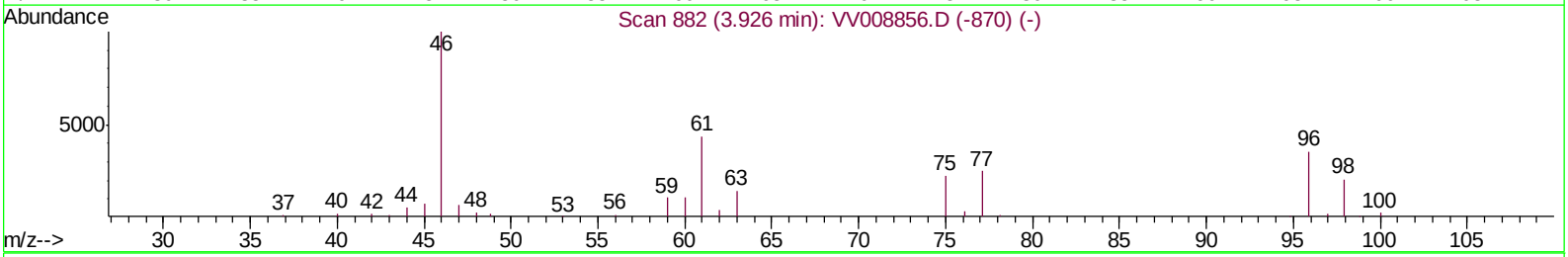
Quant Time: Dec 07 00:32:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Manual Integrations APPROVED
sam
12/11/2018 4:25:09 PM







TIC: VV008854.D

(20) 2-Butanone-d5 (S)

3.945min (+0.019) 2.78ug/L m

response 1862

Ion	Exp%	Act%
46.00	100	100
77.00	28.30	28.46
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\

Quantitation Report (Qedit)

Data File : VV008854.D
Acq On : 06 Dec 2018 11:22
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 00:32:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Manual Integrations APPROVED
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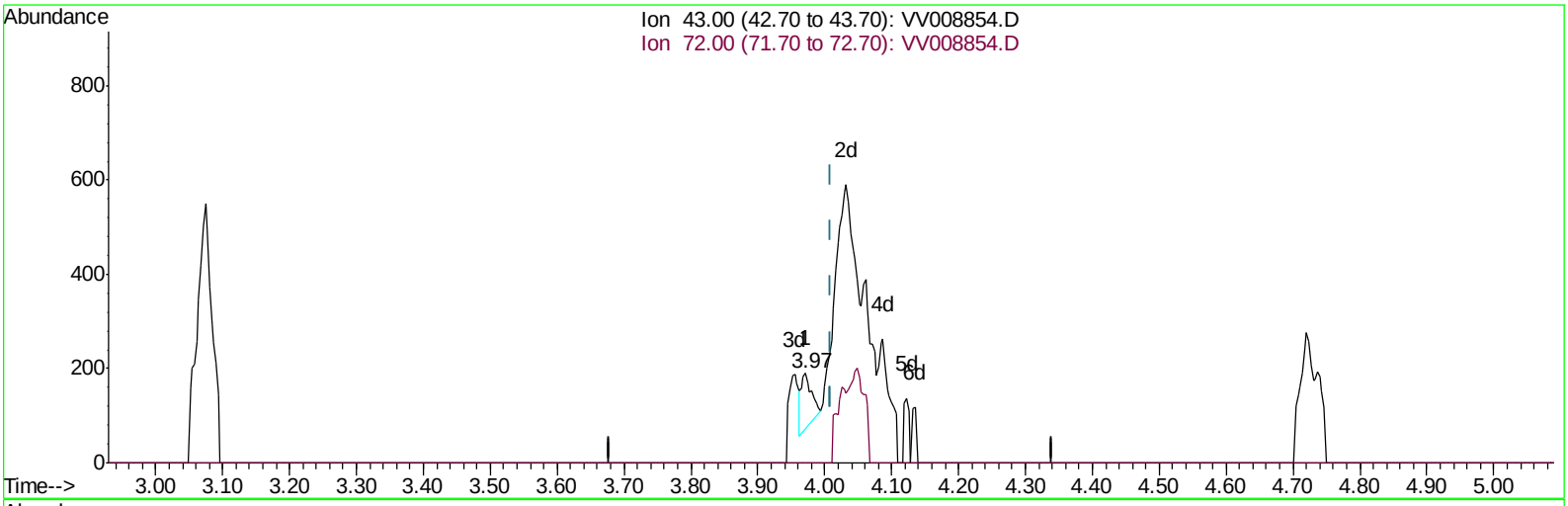

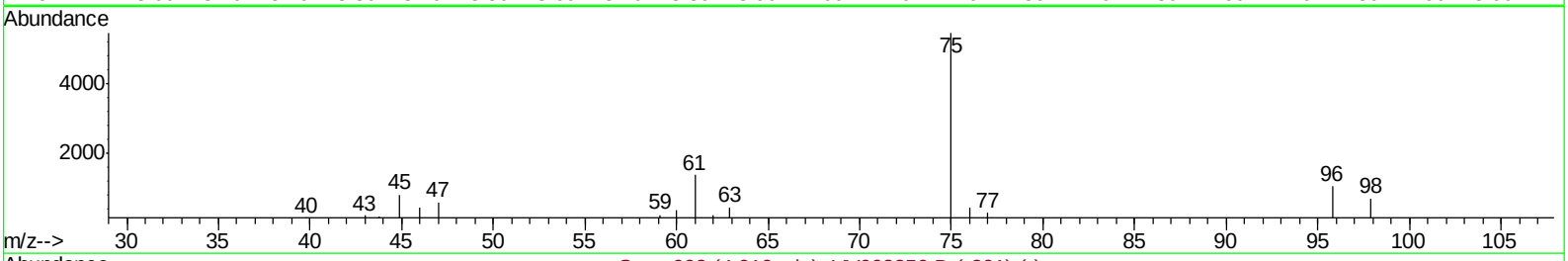

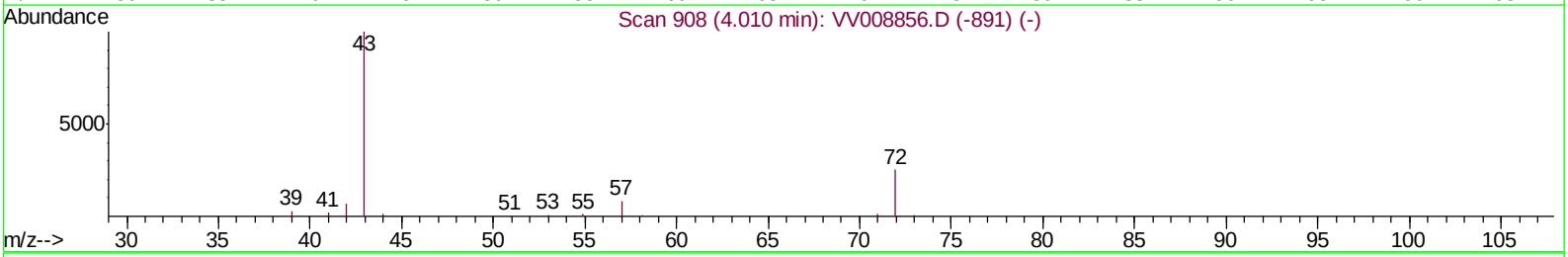

TIC: VV008854.D

(21) 2-Butanone

3.971min (-0.039) 0.11ug/L

response 127

Ion	Exp%	Act%
43.00	100	100
72.00	27.40	46.46#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\

Quantitation Report (Qedit)

Data File : VV008854.D
Acq On : 06 Dec 2018 11:22
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 00:32:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Manual Integrations APPROVED
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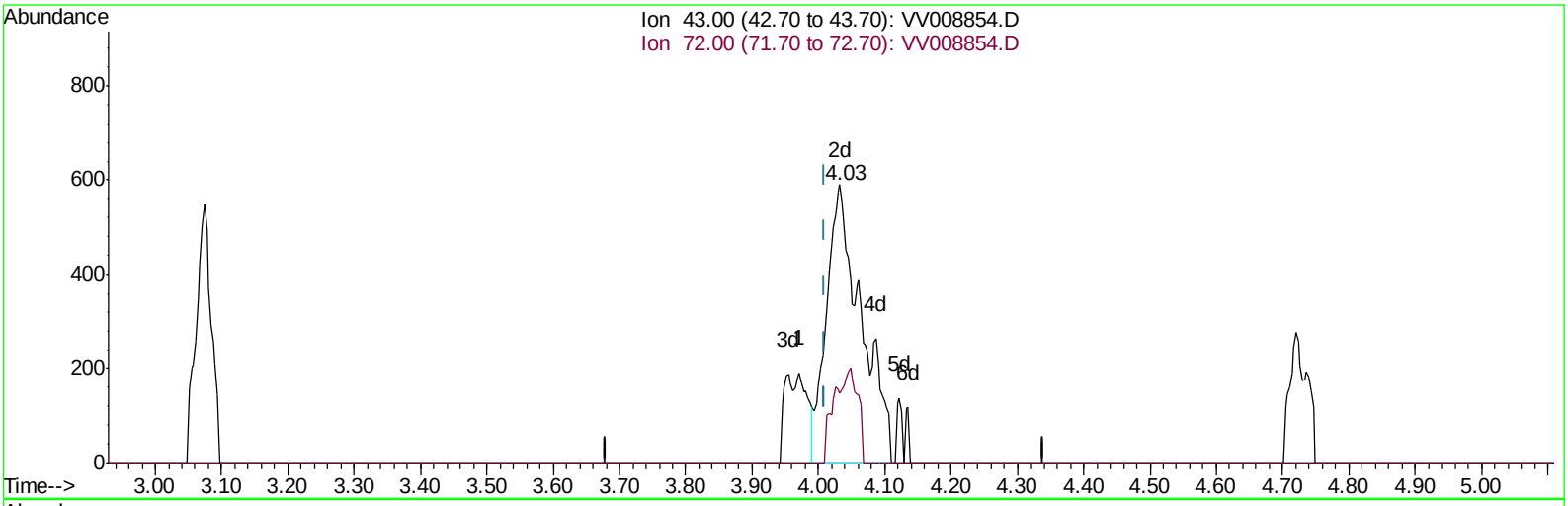

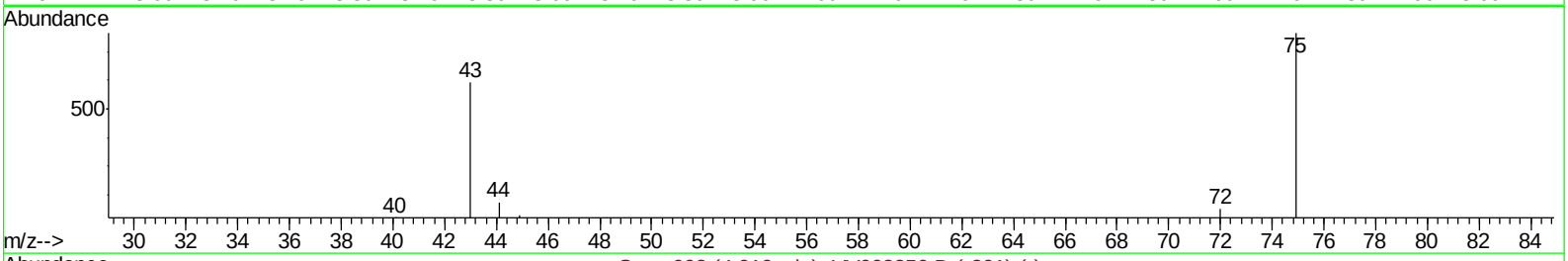

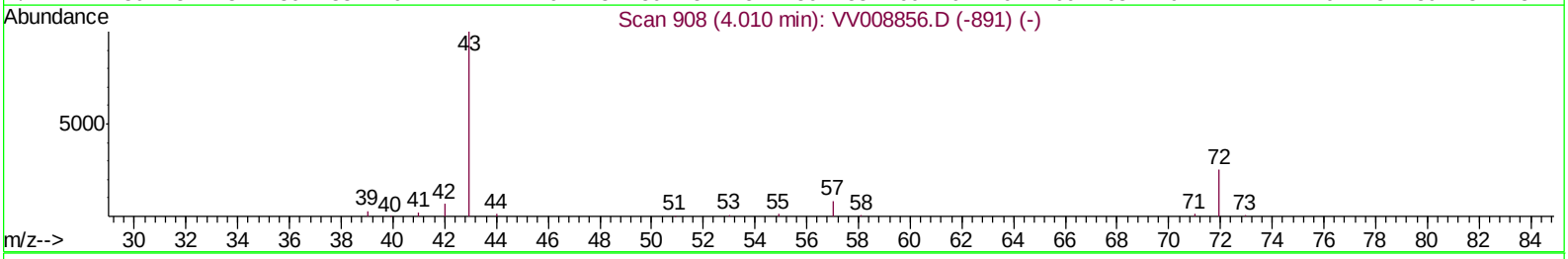

TIC: VV008854.D

(21) 2-Butanone

4.032min (+0.022) 1.88ug/L m

response 2134

Ion	Exp%	Act%
43.00	100	100
72.00	27.40	2.76#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\

Quantitation Report (Qedit)

Data File : VV008854.D
Acq On : 06 Dec 2018 11:22
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 00:32:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Manual Integrations APPROVED
sam
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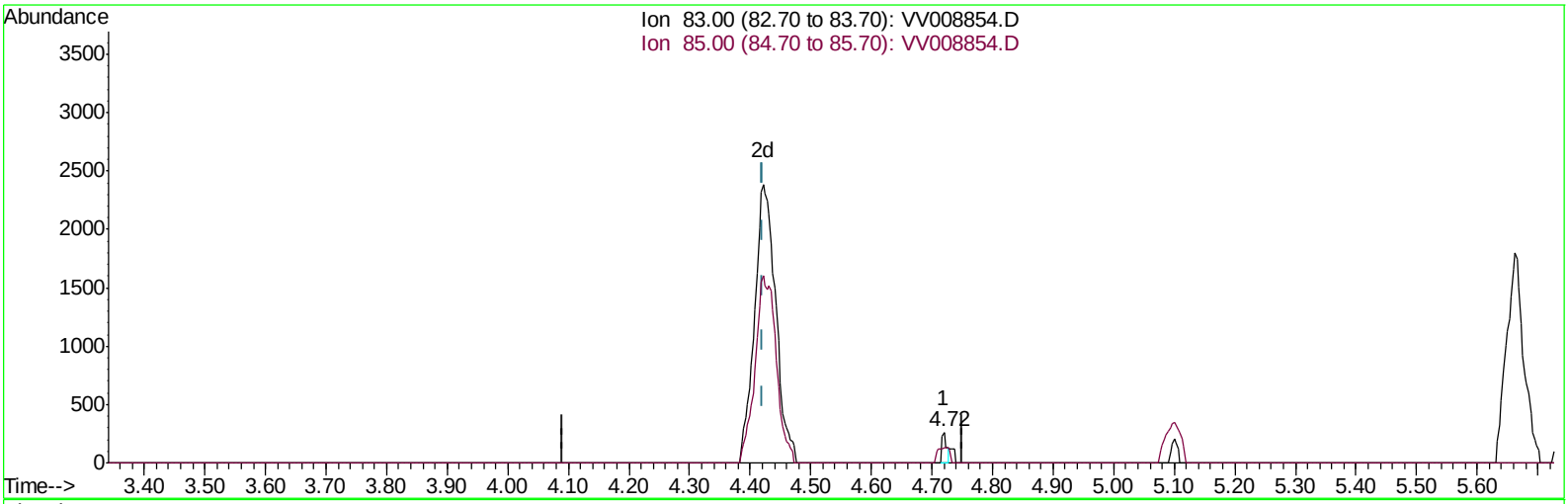
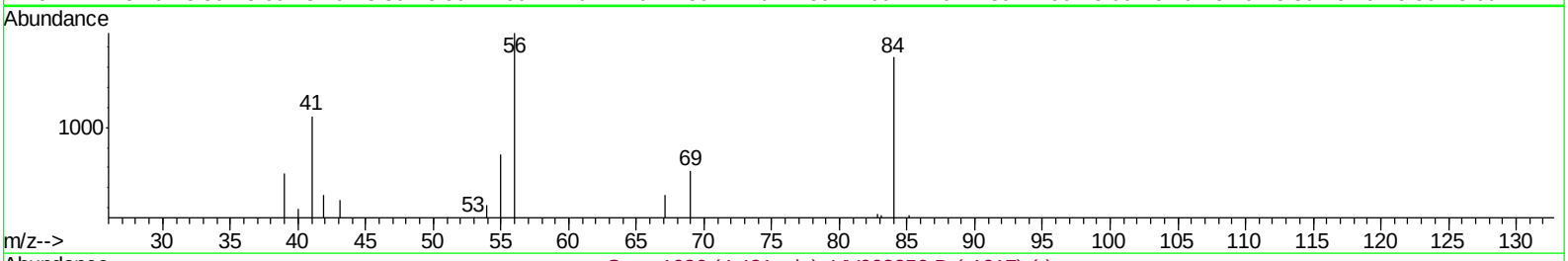
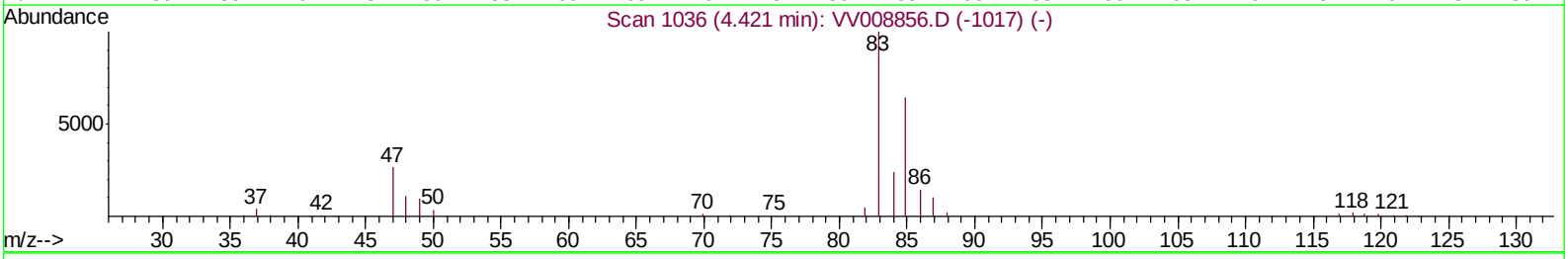






TIC: VV008854.D

(25) Chloroform (T)

4.720min (+0.299) 0.03ug/L

response 145

Ion	Exp%	Act%
83.00	100	100
85.00	65.20	62.07
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\

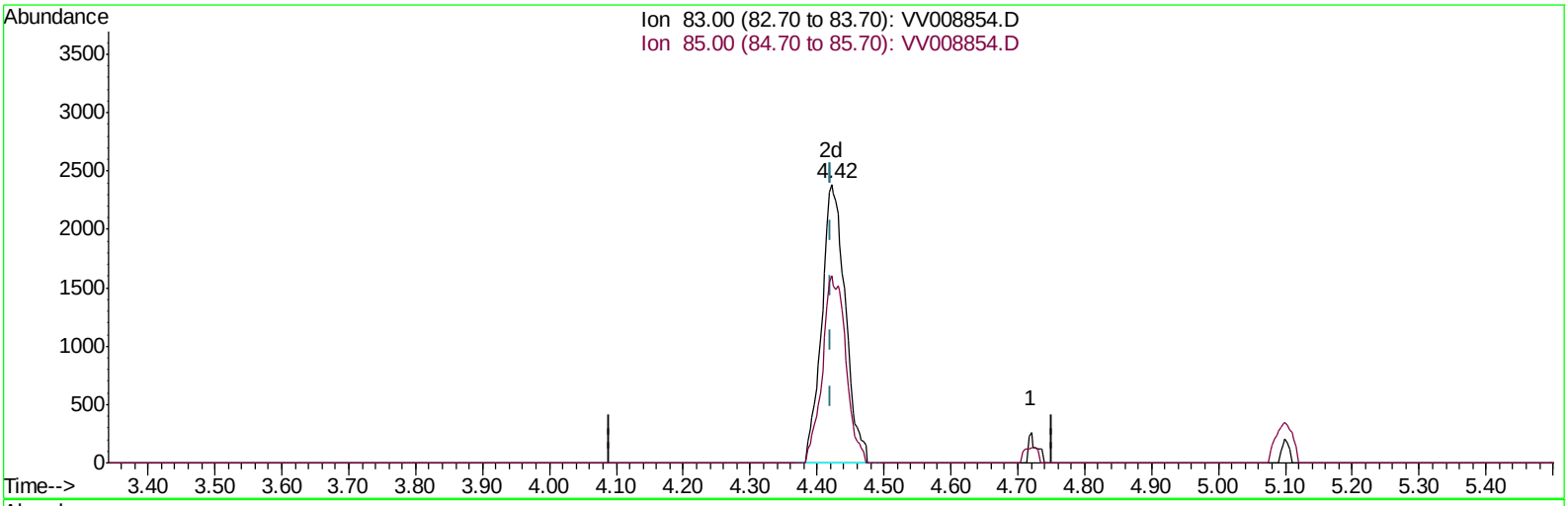
Quantitation Report (Qedit)

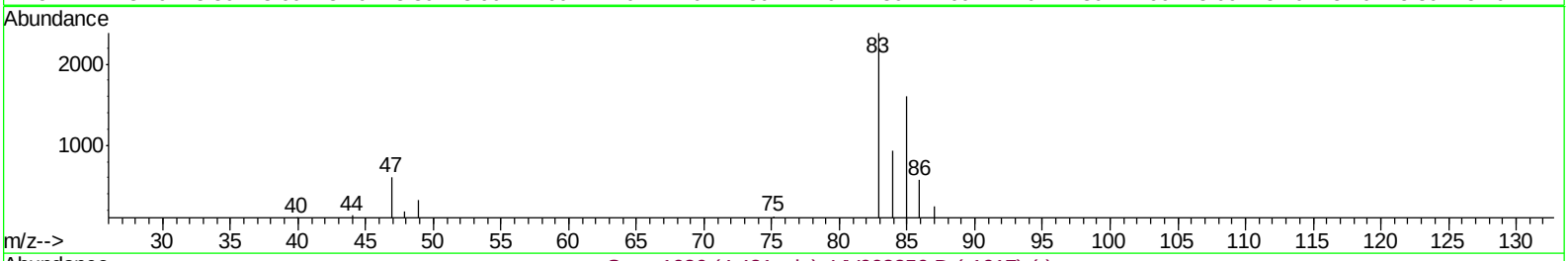
Data File : VV008854.D
Acq On : 06 Dec 2018 11:22
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

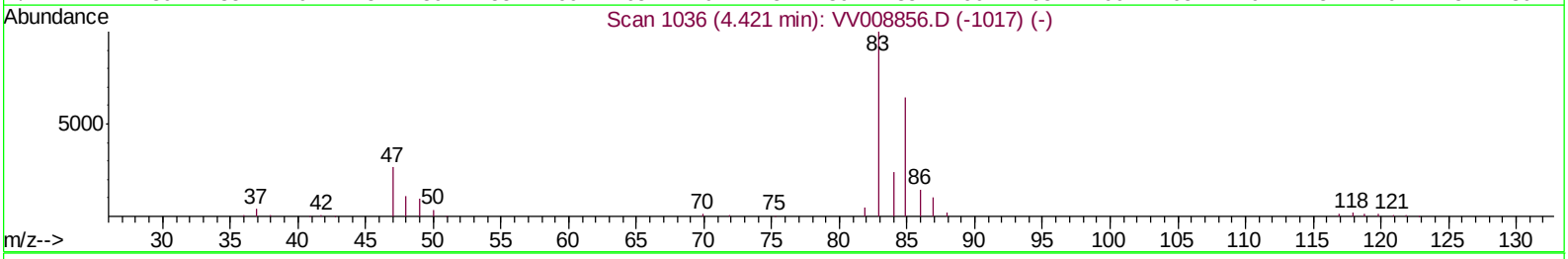
Quant Time: Dec 07 00:32:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Manual Integrations APPROVED
sam
12/11/2018 4:25:09 PM







TIC: VV008854.D

(25) Chloroform (T)

4.421min (-0.000) 1.14ug/L m

response 5815

Ion	Exp%	Act%
83.00	100	100
85.00	65.20	1.55#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\

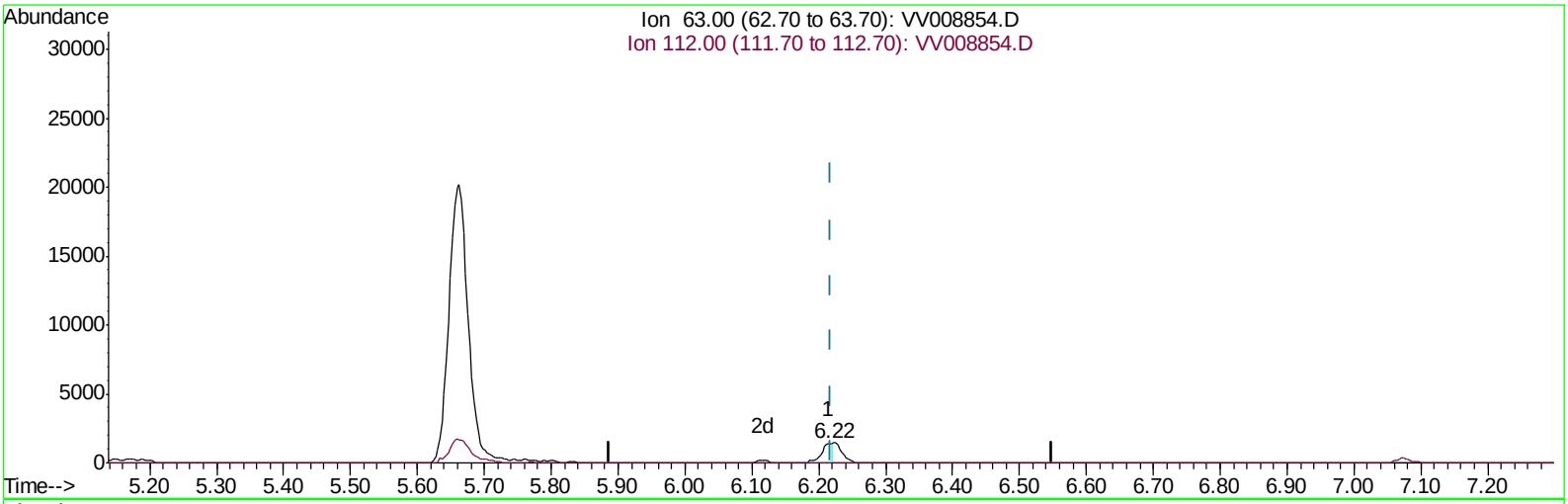
Quantitation Report (Qedit)

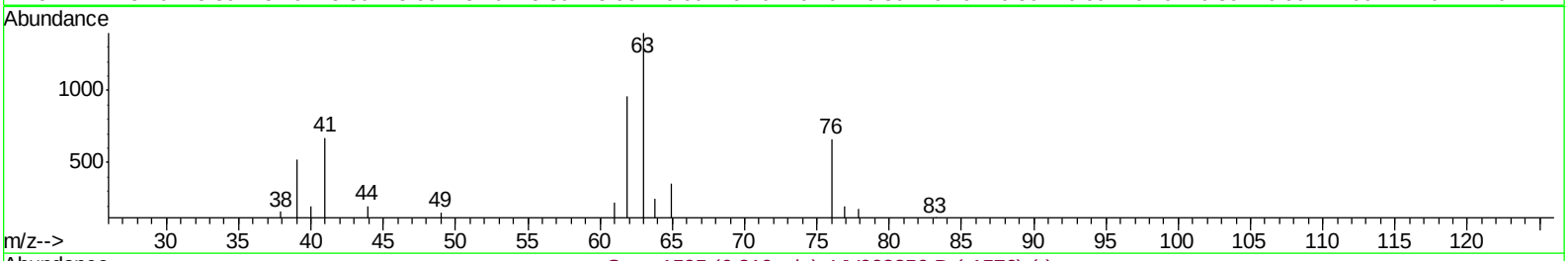
Data File : VV008854.D
Acq On : 06 Dec 2018 11:22
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

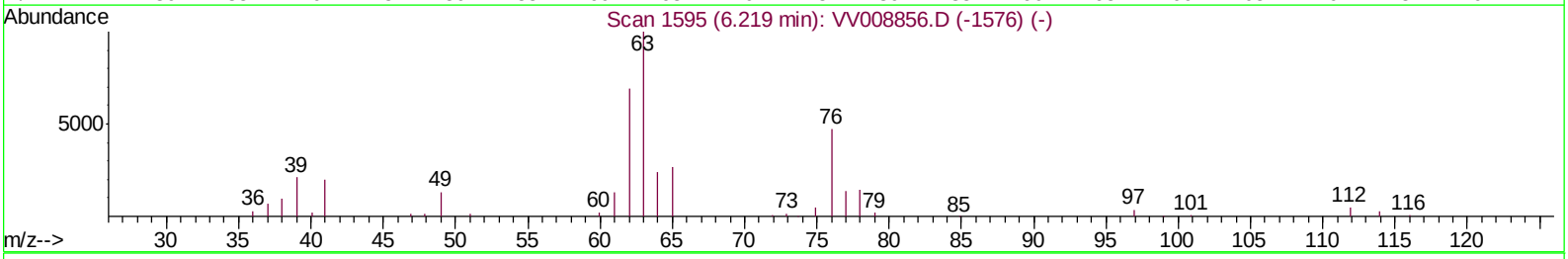
Quant Time: Dec 07 00:32:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Manual Integrations APPROVED
sam
12/11/2018 4:25:09 PM







TIC: VV008854.D

(40) 1,2-Dichloropropane (T)

6.215min (-0.003) 0.60ug/L

response 1527

Ion	Exp%	Act%
63.00	100	100
112.00	4.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\

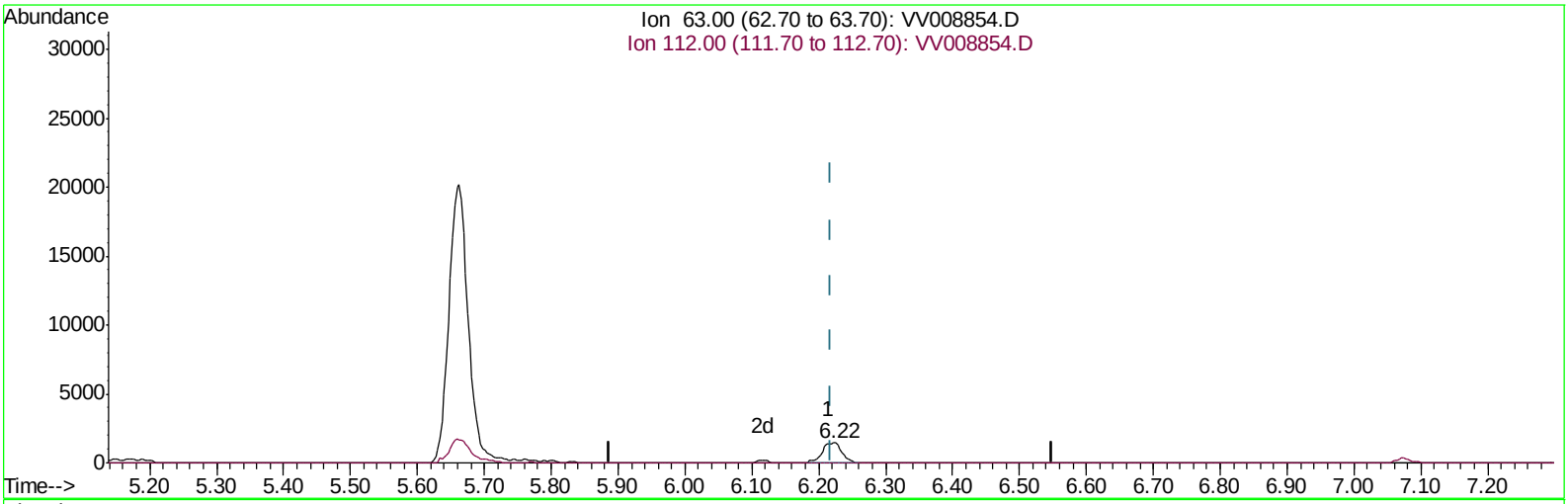
Quantitation Report (Qedit)

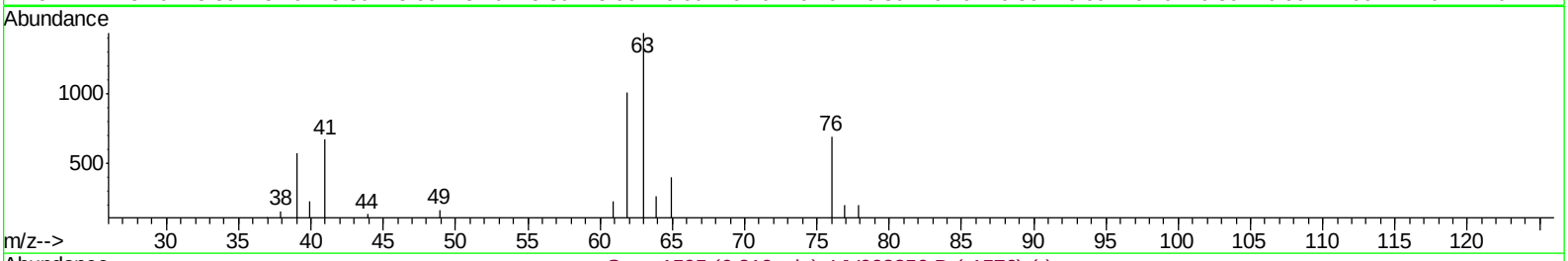
Data File : VV008854.D
Acq On : 06 Dec 2018 11:22
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

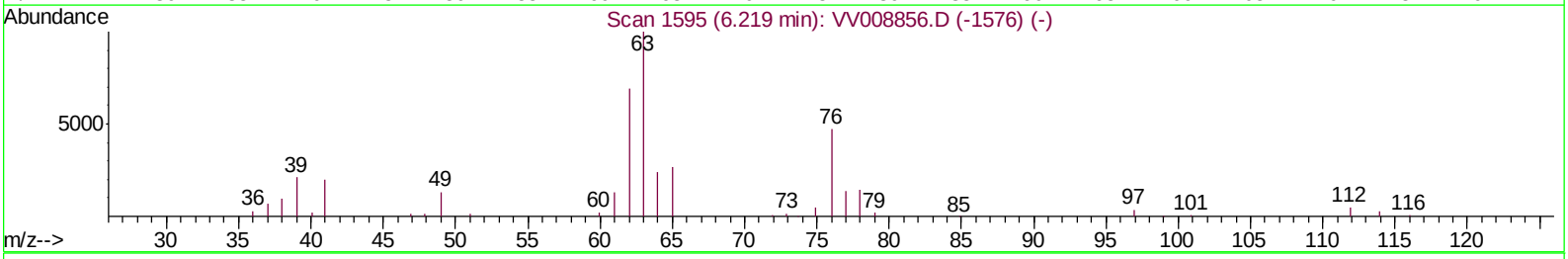
Quant Time: Dec 07 00:32:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Manual Integrations APPROVED
sam
12/11/2018 4:25:09 PM







TIC: VV008854.D

(40) 1,2-Dichloropropane (T)

6.222min (+0.003) 1.18ug/L m

response 2986

Ion	Exp%	Act%
63.00	100	100
112.00	4.80	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\

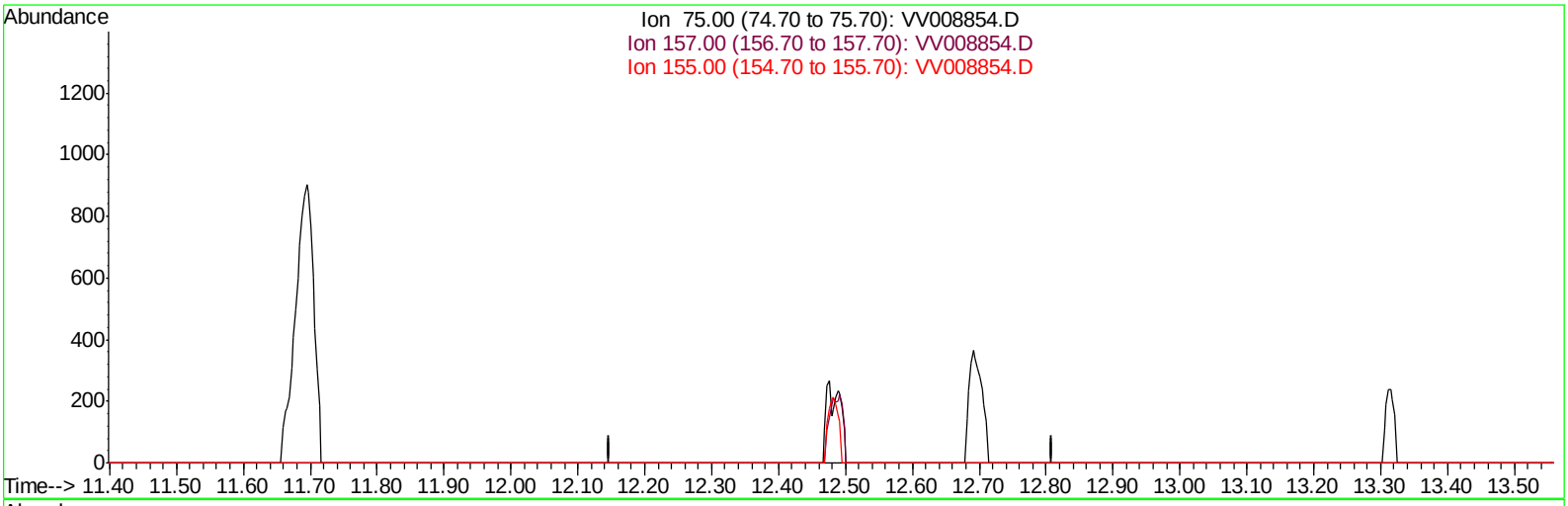
Quantitation Report (Qedit)

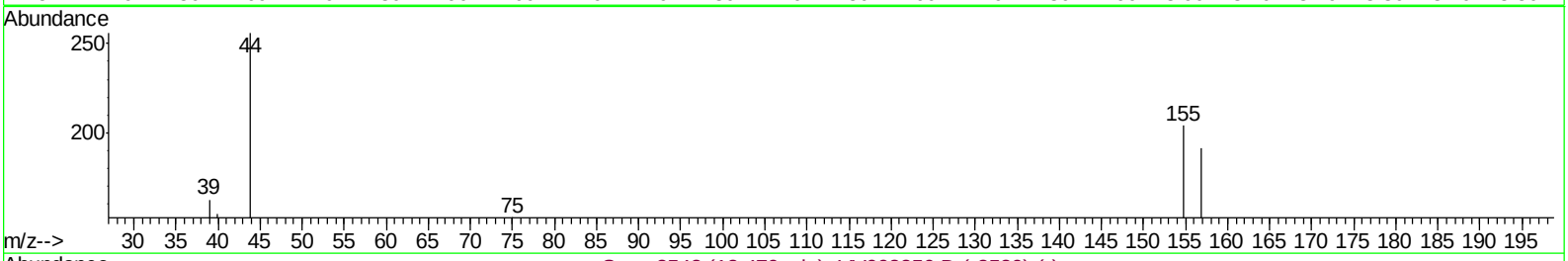
Data File : VV008854.D
Acq On : 06 Dec 2018 11:22
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

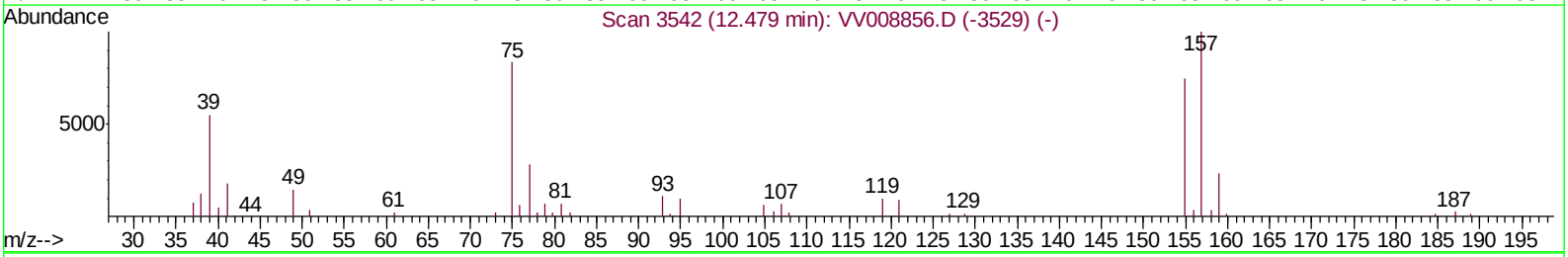
Quant Time: Dec 07 00:32:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Manual Integrations APPROVED
sam
12/11/2018 4:25:09 PM







TIC: VV008854.D

(66) 1,2-Dibromo-3-chloropropane (T)

12.479min (-12.479) 0.00ug/L

response 0

Ion	Exp%	Act%
75.00	100	0.00
157.00	119.70	0.00#
155.00	89.30	0.00#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\

Quantitation Report (QT Reviewed)

Data File : VV008854.D
Acq On : 06 Dec 2018 11:22
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument : MSVOA_V
ClientSampleId : VSTD2.561

Manual Integrations APPROVED
sam
12/11/2018 4:25:09 PM

Quant Time: Dec 07 00:40:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	207467	25.00	ug/L		0.00
28) Chlorobenzene-d5	8.90	117	174296	25.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69838	25.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	1.32	65	2297	1.02	ug/L		0.00
7) Chloroethane-d5	1.58	69	1840	1.12	ug/L		0.00
10) 1,1-Dichloroethene-d2	2.13	63	6218	1.16	ug/L		0.00
20) 2-Butanone-d5	3.95	46	1862m	2.78	ug/L		0.02
24) Chloroform-d	4.40	84	5386	1.10	ug/L		0.00
26) 1,2-Dichloroethane-d4	5.08	65	2974	1.15	ug/L		0.00
29) Benzene-d6	5.10	84	10659	1.13	ug/L		0.00
33) 1,2-Dichloropropane-d6	6.12	67	2932	1.12	ug/L		0.00
37) Toluene-d8	7.36	98	9802	1.12	ug/L		0.00
38) trans-1,3-Dichloropropene-	7.67	79	1167	1.03	ug/L		0.00
39) 2-Hexanone-d5	8.13	63	730	1.63	ug/L		0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	2187	1.03	ug/L		0.00
61) 1,2-Dichlorobenzene-d4	11.68	152	3474	1.46	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.14	85	4799	1.538	ug/L		97
3) Chloromethane	1.25	50	3122	1.343	ug/L		98
5) Vinyl chloride	1.32	62	2861	1.102	ug/L		84
6) Bromomethane	1.53	94	1643	1.358	ug/L		93
8) Chloroethane	1.60	64	1746	1.146	ug/L		94
9) Trichlorofluoromethane	1.77	101	5379	1.198	ug/L		98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3296	1.064	ug/L		89
12) 1,1-Dichloroethene	2.14	96	3104	1.145	ug/L		93
13) Acetone	2.20	43	3074	2.507	ug/L		97
14) Carbon disulfide	2.32	76	11131	1.257	ug/L	#	94
15) Methyl Acetate	2.47	43	1373	1.027	ug/L	#	80
16) Methylene chloride	2.53	84	7267	2.347	ug/L		95
17) Methyl tert-butyl Ether	2.80	73	6020	1.027	ug/L	#	80
18) trans-1,2-Dichloroethene	2.79	96	3417	1.155	ug/L		97
19) 1,1-Dichloroethane	3.23	63	5045	1.053	ug/L		91
21) 2-Butanone	4.03	43	2134m	1.877	ug/L		
22) cis-1,2-Dichloroethene	3.96	96	3159	1.037	ug/L	#	87
23) Bromochloromethane	4.30	128	1489	1.083	ug/L		88
25) Chloroform	4.42	83	5815m	1.141	ug/L		
27) 1,2-Dichloroethane	5.18	62	3200	0.961	ug/L		100
30) Cyclohexane	4.73	56	4966	1.132	ug/L	#	85
31) 1,1,1-Trichloroethane	4.66	97	4993	1.104	ug/L		96
32) Carbon tetrachloride	4.88	117	4451	1.062	ug/L		97
34) Benzene	5.14	78	11225	1.069	ug/L		100
35) Trichloroethene	5.96	95	3851	1.232	ug/L		96
36) Methylcyclohexane	6.17	83	5437	1.058	ug/L		97
40) 1,2-Dichloropropane	6.22	63	2986m	1.183	ug/L		
41) Bromodichloromethane	6.56	83	3200	0.966	ug/L		99
42) cis-1,3-Dichloropropene	7.07	75	3403	0.880	ug/L		99
43) 4-Methyl-2-pentanone	7.28	43	4095	2.692	ug/L	#	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\

Quantitation Report (QT Reviewed)

Data File : VV008854.D
Acq On : 06 Dec 2018 11:22
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Manual Integrations APPROVED
sam
12/11/2018 4:25:09 PM

Quant Time: Dec 07 00:40:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) Toluene	7.43	91	10912	0.984	ug/L		99
45) trans-1,3-Dichloropropene	7.70	75	2774	0.857	ug/L		91
46) 1,1,2-Trichloroethane	7.88	97	2182	1.076	ug/L		92
47) Tetrachloroethene	8.02	164	2794	1.107	ug/L		99
49) 2-Hexanone	8.19	43	2933	2.183	ug/L	#	90
50) Dibromochloromethane	8.29	129	2241	0.929	ug/L		98
51) 1,2-Dibromoethane	8.40	107	2095	1.027	ug/L	#	77
52) Chlorobenzene	8.93	112	8139	1.149	ug/L		99
53) Ethylbenzene	9.05	91	12143	0.998	ug/L		98
54) m,p-Xylene	9.18	106	4423	0.954	ug/L		99
55) o-xylene	9.59	106	4310	1.003	ug/L		81
56) Styrene	9.61	104	5556	0.780	ug/L		88
57) Isopropylbenzene	9.97	105	11246	0.970	ug/L		98
58) 1,1,2,2-Tetrachloroethane	10.29	83	2163	0.974	ug/L	#	91
59) 1,2,3-Trichloropropane	10.32	75	2246	1.233	ug/L		91
62) Bromoform	9.78	173	1200	0.974	ug/L	#	94
63) 1,3-Dichlorobenzene	11.23	146	4970	1.124	ug/L		91
64) 1,4-Dichlorobenzene	11.32	146	5482	1.218	ug/L		95
65) 1,2-Dichlorobenzene	11.69	146	4981	1.209	ug/L		91
66) 1,2-Dibromo-3-chloropropan	12.48	75	369m	1.161	ug/L		
67) 1,3,5-Trichlorobenzene	12.70	180	3434m	1.062	ug/L		
68) 1,2,4-trichlorobenzene	13.31	180	1751	0.770	ug/L		88
69) Naphthalene	13.56	128	2236	0.614	ug/L	#	86
70) 1,2,3-Trichlorobenzene	13.80	180	1595	0.762	ug/L		97

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\

Quantitation Report (QT Reviewed)

Data File : VV008854.D
Acq On : 06 Dec 2018 11:22
Operator : SY/MD
Sample : VSTD2.561
Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 07 00:40:39 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 07 00:29:23 2018
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD2.561

Manual Integrations APPROVED
sam
12/11/2018 4:25:09 PM