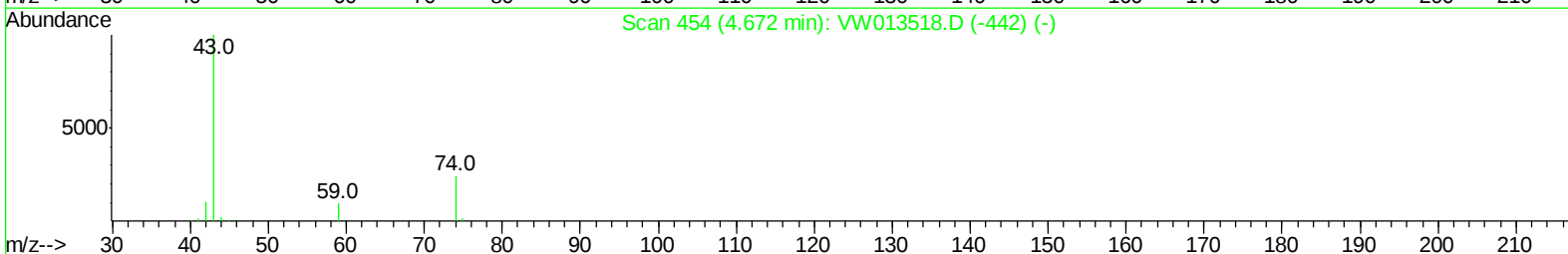
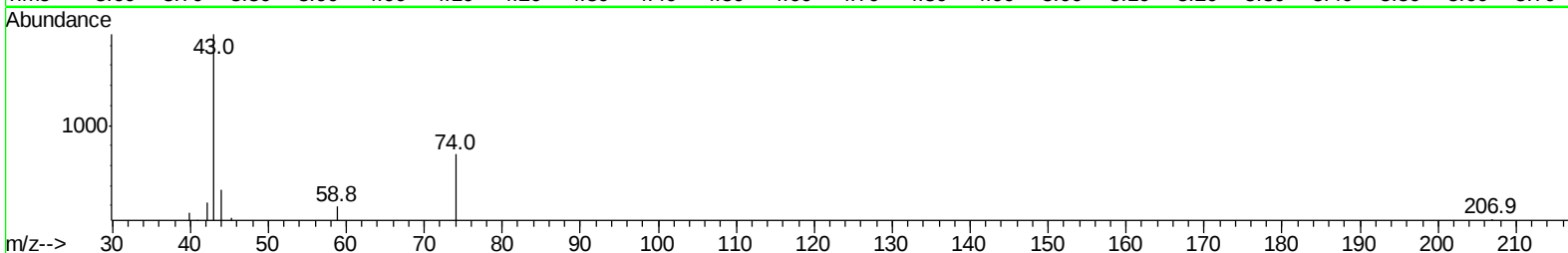
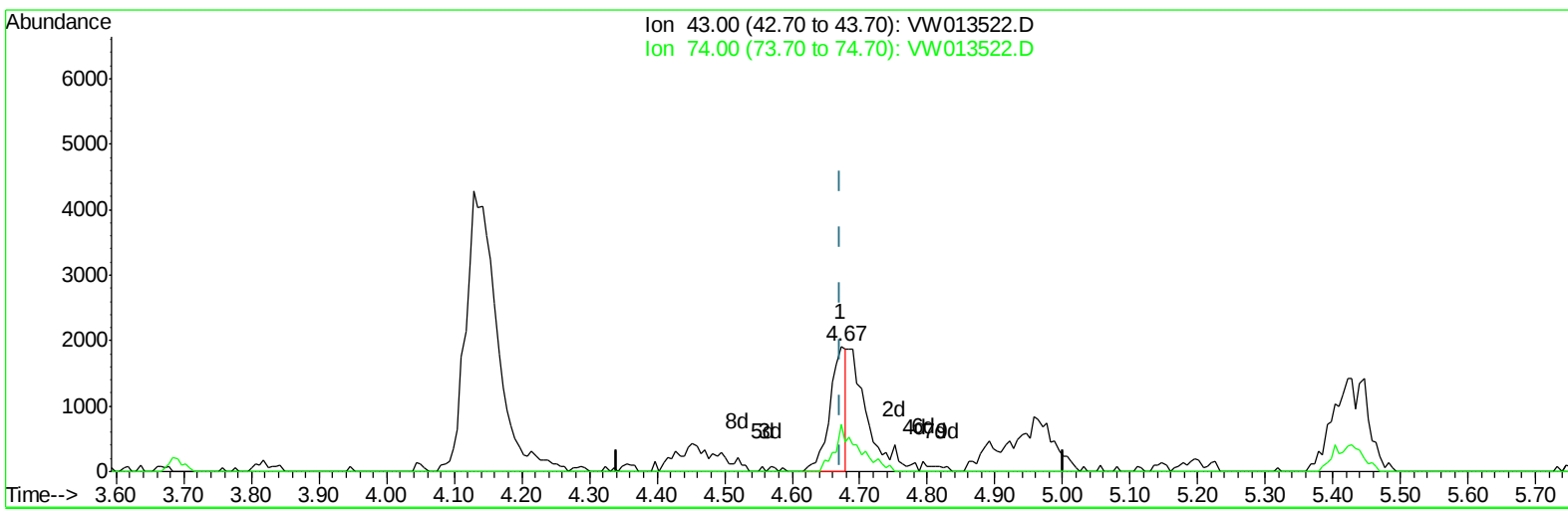


Data File : VW013522.D
Acq On : 10 Oct 2019 16:03
Operator : SY/VA
Sample : VSTD2.503
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 16:28:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 10 14:17:04 2019
Response via : Initial Calibration



TIC: VW013522.D

(15) Methyl Acetate (T)

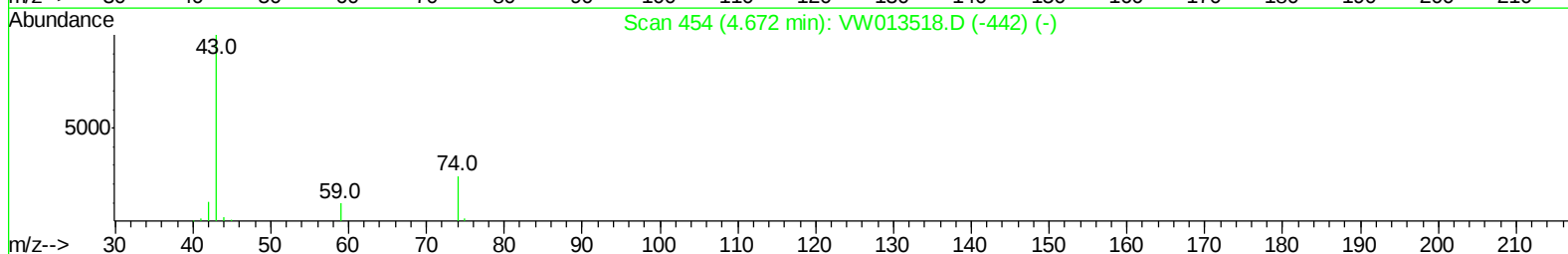
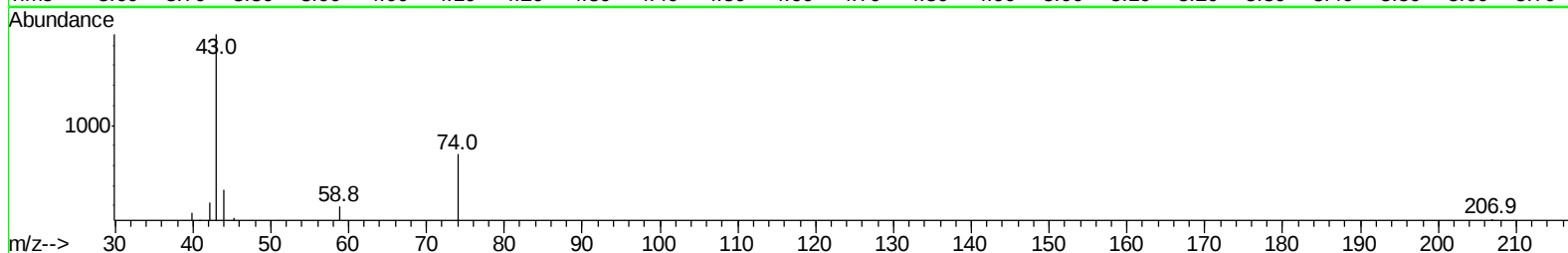
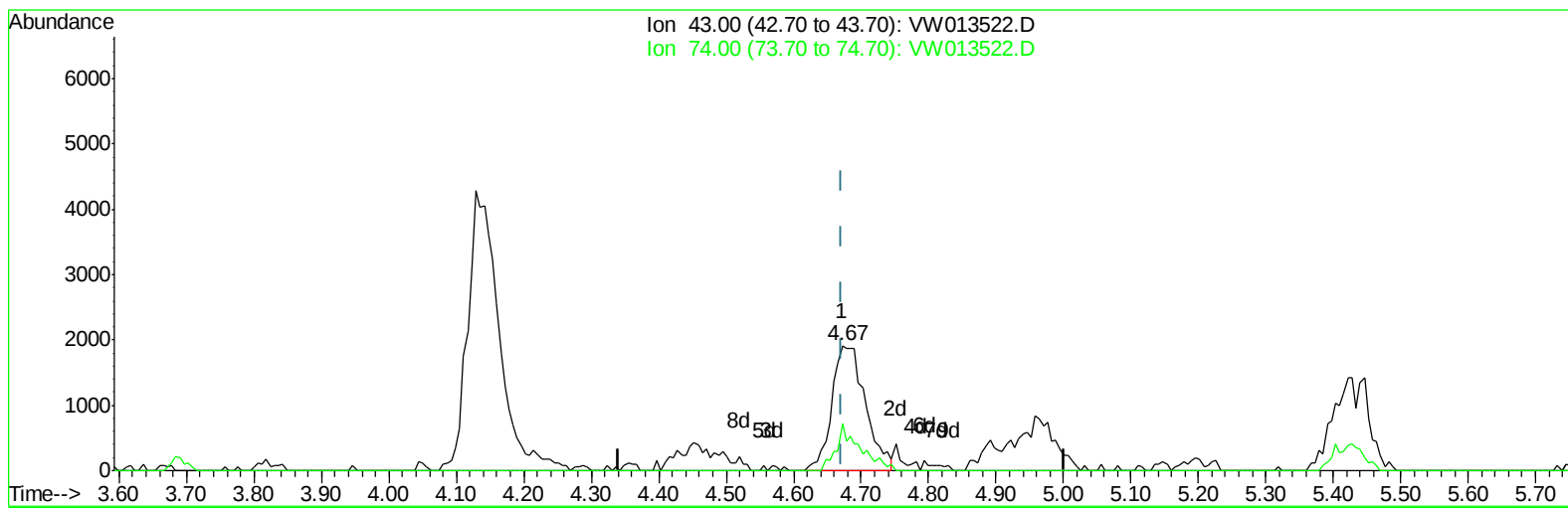
4.672min (0.000) 1.01ug/L

response 3146

Ion	Exp%	Act%
43.00	100	100
74.00	23.40	50.06#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VW013522.D
Acq On : 10 Oct 2019 16:03
Operator : SY/VA
Sample : VSTD2.503
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 16:28:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 10 14:17:04 2019
Response via : Initial Calibration



TIC: VW013522.D

(15) Methyl Acetate (T)

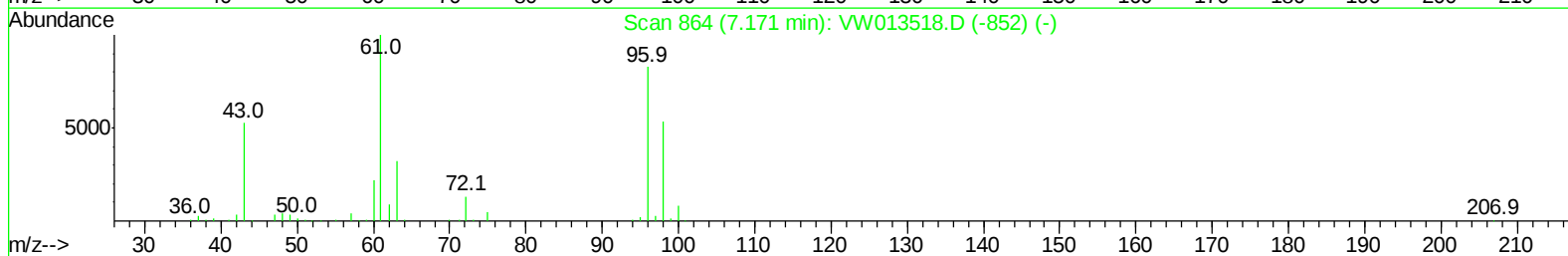
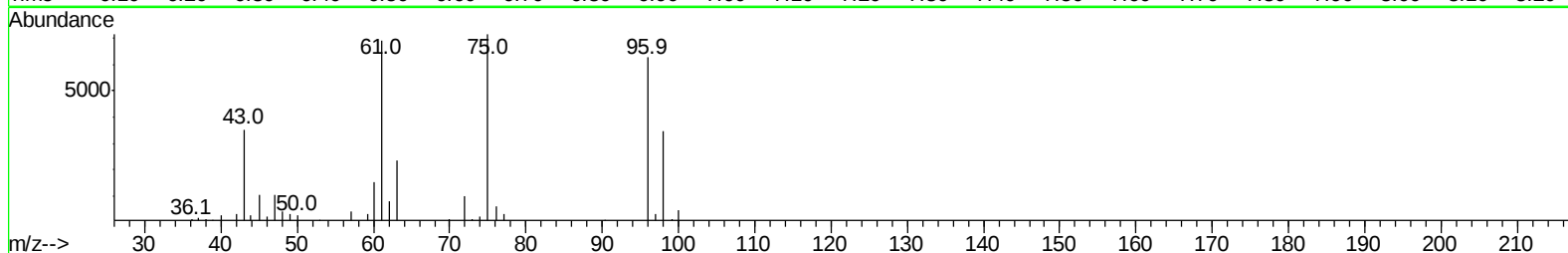
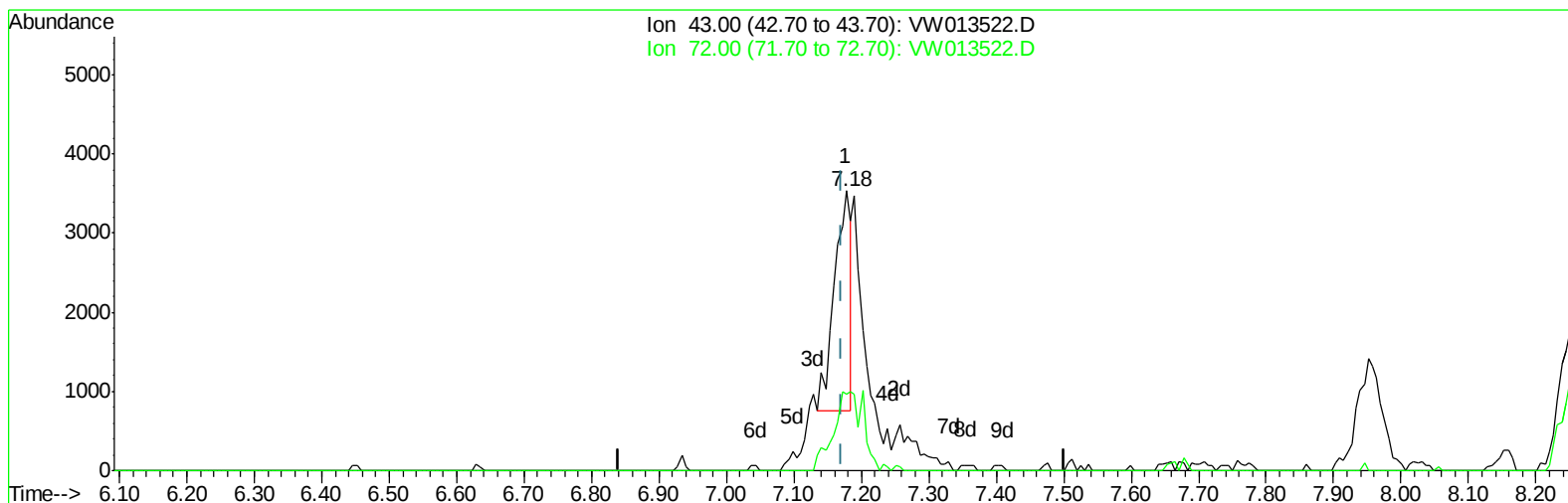
4.672min (0.000) 2.13ug/L m

response 6631

Ion	Exp%	Act%
43.00	100	100
74.00	23.40	23.75
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VW013522.D
Acq On : 10 Oct 2019 16:03
Operator : SY/VA
Sample : VSTD2.503
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 16:28:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 10 14:17:04 2019
Response via : Initial Calibration



TIC: VW013522.D

(21) 2-Butanone

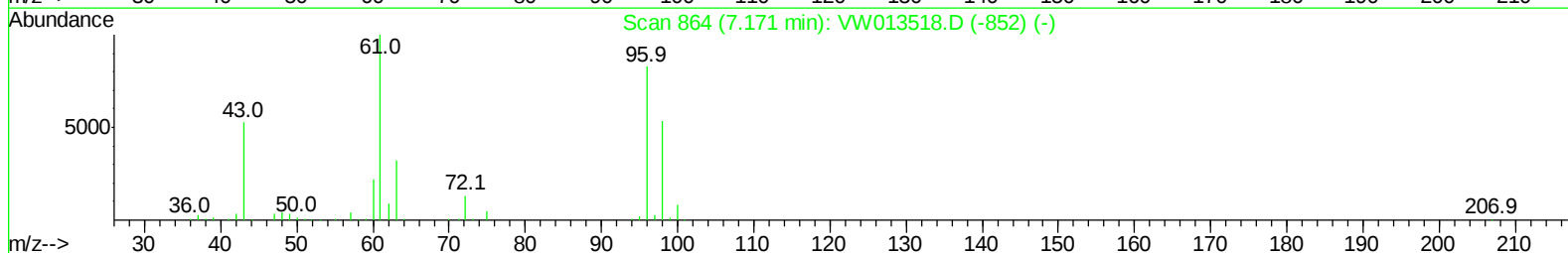
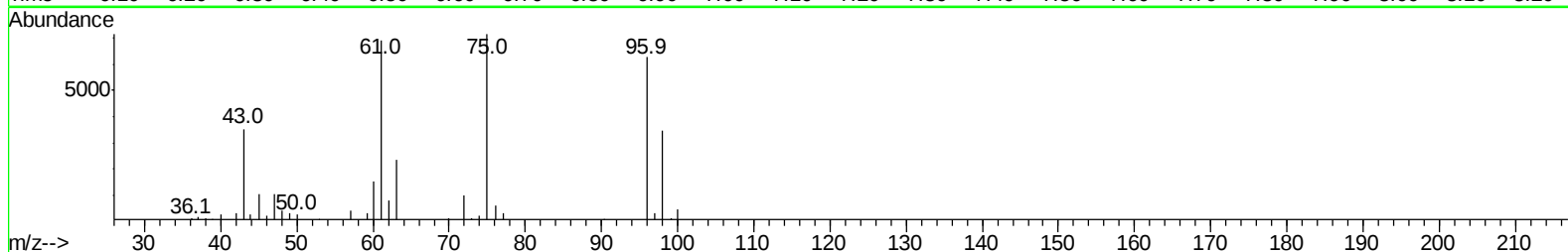
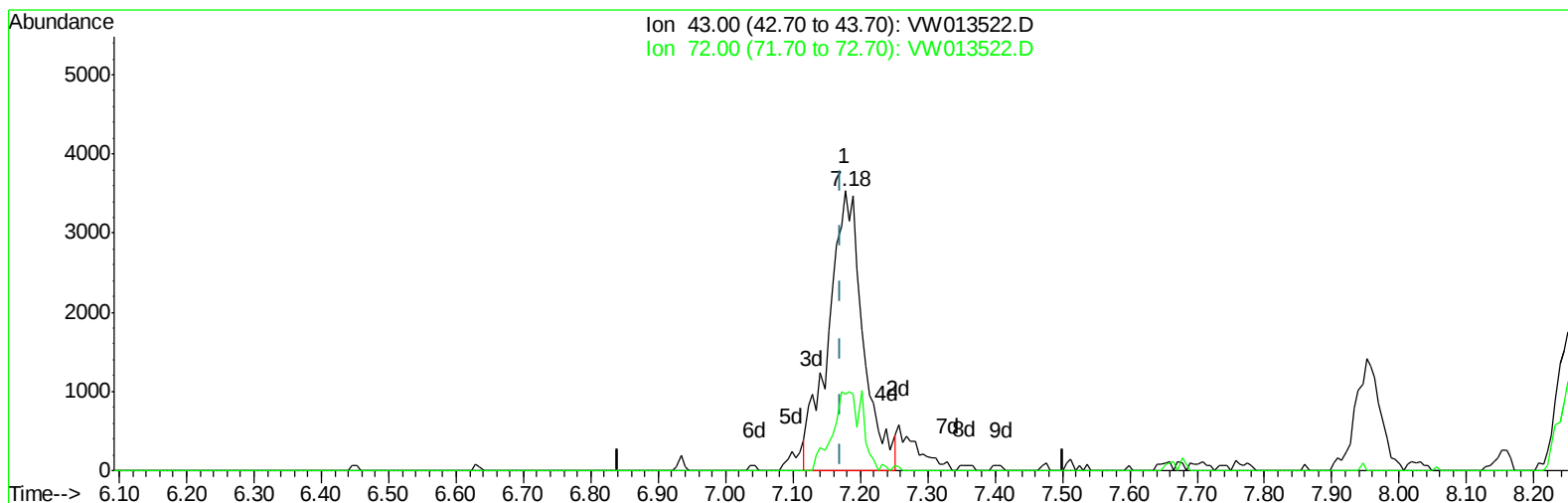
7.177min (+0.006) 1.99ug/L

response 4734

Ion	Exp%	Act%
43.00	100	100
72.00	26.90	31.75
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VW013522.D
Acq On : 10 Oct 2019 16:03
Operator : SY/VA
Sample : VSTD2.503
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 16:28:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 10 14:17:04 2019
Response via : Initial Calibration



TIC: VW013522.D

(21) 2-Butanone

7.177min (+0.006) 5.31ug/L m

response 12625

Ion	Exp%	Act%
43.00	100	100
72.00	26.90	11.90#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : VW013522.D
Acq On : 10 Oct 2019 16:03
Operator : SY/VA
Sample : VSTD2.567
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 16:31:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 10 14:17:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	516298	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	447175	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	218321	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	14872	2.51	ug/L	0.00
7) Chloroethane-d5	2.89	69	11944	2.67	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	30126	2.49	ug/L	0.01
20) 2-Butanone-d5	7.09	46	7561	4.03	ug/L	0.01
24) Chloroform-d	7.65	84	29006	2.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	14854	2.56	ug/L	0.00
29) Benzene-d6	8.27	84	60709	2.51	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	18442	2.61	ug/L	0.00
37) Toluene-d8	10.32	98	59178	2.61	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	7578	2.40	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	5831	4.17	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	13925	2.46	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	20595	2.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	5891	2.599 ug/L	90
3) Chloromethane	2.21	50	13820	3.237 ug/L	97
5) Vinyl chloride	2.36	62	16924	2.629 ug/L	97
6) Bromomethane	2.78	94	10407	2.650 ug/L	96
8) Chloroethane	2.93	64	9623	2.583 ug/L	99
9) Trichlorofluoromethane	3.26	101	8190	2.395 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	15575	2.541 ug/L #	92
12) 1,1-Dichloroethene	4.04	96	14913	2.402 ug/L	90
13) Acetone	4.13	43	13272	7.197 ug/L	73
14) Carbon disulfide	4.38	76	47262	2.526 ug/L	98
15) Methyl Acetate	4.67	43	6631m	2.126 ug/L	
16) Methylene chloride	4.92	84	25679	3.657 ug/L	92
17) Methyl tert-butyl Ether	5.42	73	24061	2.376 ug/L #	95
18) trans-1,2-Dichloroethene	5.42	96	16566	2.483 ug/L	90
19) 1,1-Dichloroethane	6.22	63	27337	2.444 ug/L	97
21) 2-Butanone	7.18	43	12625m	5.314 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	17822	2.507 ug/L	86
23) Bromochloromethane	7.52	128	7819	2.433 ug/L	88
25) Chloroform	7.68	83	27882	2.519 ug/L	99
27) 1,2-Dichloroethane	8.40	62	16861	2.393 ug/L	97
30) Cyclohexane	7.96	56	28120	2.505 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	22137	2.540 ug/L	97
32) Carbon tetrachloride	8.07	117	20625	2.496 ug/L	96
34) Benzene	8.32	78	66422	2.555 ug/L	100
35) Trichloroethene	9.09	95	17619	2.595 ug/L	98
36) Methylcyclohexane	9.34	83	31621	2.576 ug/L	98
40) 1,2-Dichloropropane	9.37	63	15674	2.477 ug/L	98
41) Bromodichloromethane	9.65	83	18354	2.364 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	22638	2.238 ug/L	93
43) 4-Methyl-2-pentanone	10.21	43	20714	4.645 ug/L	97

Data File : VW013522.D
Acq On : 10 Oct 2019 16:03
Operator : SY/VA
Sample : VSTD2.567
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 16:31:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 10 14:17:04 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

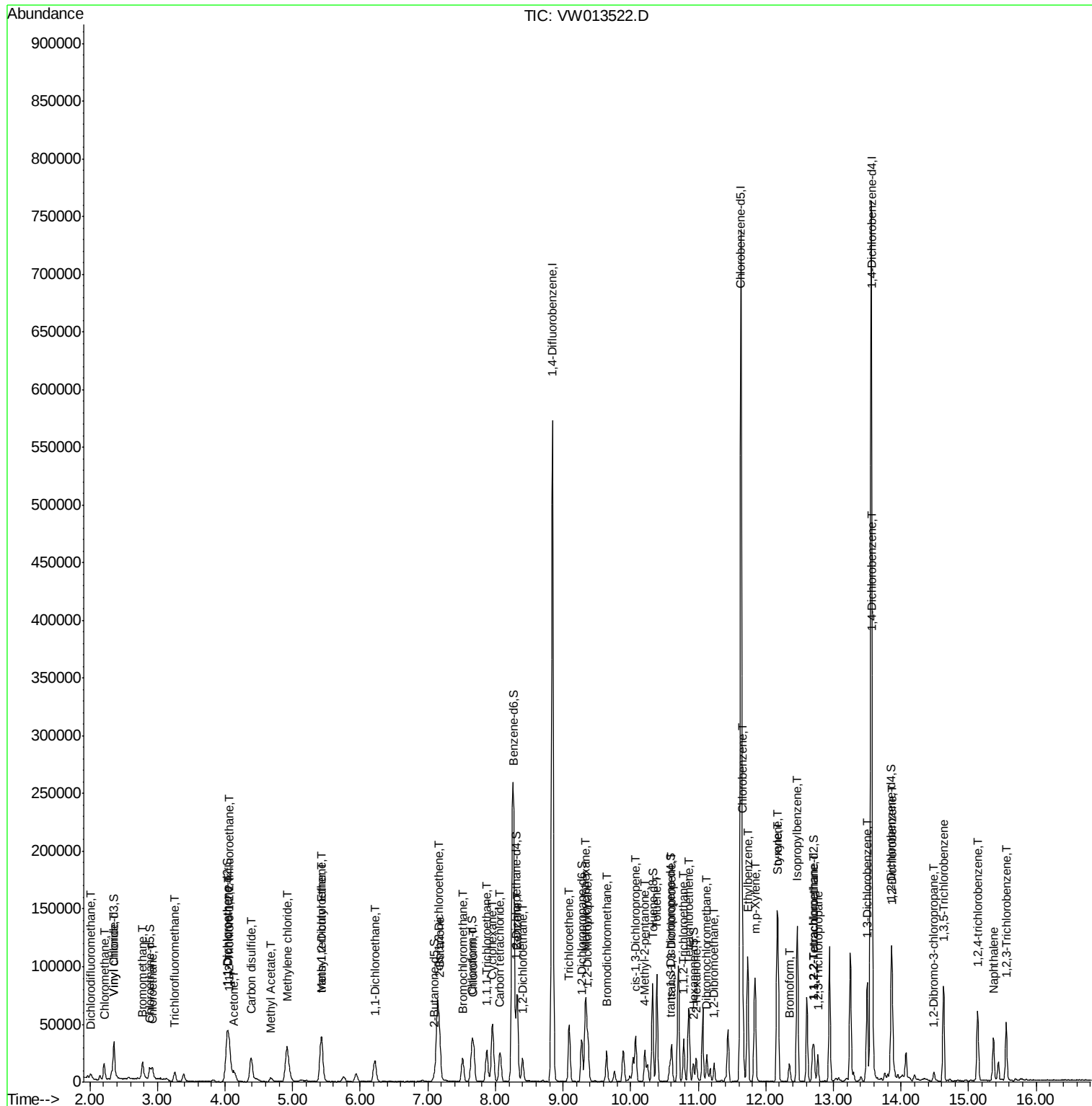
44) Toluene	10.39	91	71472	2.539	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	17797	2.224	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	11217	2.324	ug/L	89
47) Tetrachloroethene	10.87	164	15892	2.571	ug/L	96
49) 2-Hexanone	10.97	43	13349	4.331	ug/L	98
50) Dibromochloromethane	11.13	129	12757	2.243	ug/L	97
51) 1,2-Dibromoethane	11.24	107	10459	2.224	ug/L #	90
52) Chlorobenzene	11.66	112	44764	2.519	ug/L	96
53) Ethylbenzene	11.73	91	78033	2.504	ug/L	96
54) m,p-Xylene	11.84	106	31116	2.576	ug/L	89
55) o-xylene	12.16	106	27964	2.471	ug/L	93
56) Styrene	12.18	104	46252	2.395	ug/L	97
57) Isopropylbenzene	12.46	105	77579	2.512	ug/L #	96
58) 1,1,2,2-Tetrachloroethane	12.71	83	12806	2.239	ug/L #	98
59) 1,2,3-Trichloropropane	12.77	75	9539	2.221	ug/L	98
62) Bromoform	12.35	173	7379	2.144	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	36813	2.638	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	37495	2.716	ug/L	91
65) 1,2-Dichlorobenzene	13.87	146	33810	2.722	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	2005	2.316	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	28303	2.764	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	21078	2.485	ug/L	100
69) Naphthalene	15.36	128	32633	2.103	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	19642	2.606	ug/L	99

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

Data File : VW013522.D

```
Acq On      : 10 Oct 2019   16:03
Operator    : SY/VA
Sample      : VSTD2.567
Misc        : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial    : 1      Sample Multiplier: 1
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Quant Time: Oct 10 16:31:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
Quant Title : VOC Analysis
QLast Update : Thu Oct 10 14:17:04 2019
Response via : Initial Calibration



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101019\
 Data File : VW013522.D
 Acq On : 10 Oct 2019 16:03
 Operator : SY/VA
 Sample : VSTD2.503
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 16:31:23 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M

Quant Title : VOC Analysis

QLast Update : Thu Oct 10 14:17:04 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	516298	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	447175	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.55	152	218321	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	14872	2.51	ug/L	0.00
7) Chloroethane-d5	2.89	69	11944	2.67	ug/L	0.00
10) 1,1-Dichloroethene-d2	4.03	63	30126	2.49	ug/L	0.01
20) 2-Butanone-d5	7.09	46	7561	4.03	ug/L	0.01
24) Chloroform-d	7.65	84	29006	2.58	ug/L	0.00
26) 1,2-Dichloroethane-d4	8.31	65	14854	2.56	ug/L	0.00
29) Benzene-d6	8.27	84	60709	2.51	ug/L	0.00
33) 1,2-Dichloropropane-d6	9.27	67	18442	2.61	ug/L	0.00
37) Toluene-d8	10.32	98	59178	2.61	ug/L	0.00
38) trans-1,3-Dichloropropene-	10.58	79	7578	2.40	ug/L	0.00
39) 2-Hexanone-d5	10.93	63	5831	4.17	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	12.69	84	13925	2.46	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	13.85	152	20595	2.62	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	5891	2.599 ug/L	90
3) Chloromethane	2.21	50	13820	3.237 ug/L	97
5) Vinyl chloride	2.36	62	16924	2.629 ug/L	97
6) Bromomethane	2.78	94	10407	2.650 ug/L	96
8) Chloroethane	2.93	64	9623	2.583 ug/L	99
9) Trichlorofluoromethane	3.26	101	8190	2.395 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	15575	2.541 ug/L #	92
12) 1,1-Dichloroethene	4.04	96	14913	2.402 ug/L	90
13) Acetone	4.13	43	13272	7.197 ug/L	73
14) Carbon disulfide	4.38	76	47262	2.526 ug/L	98
15) Methyl Acetate	4.67	43	6631m	2.126 ug/L	
16) Methylene chloride	4.92	84	25679	3.657 ug/L	92
17) Methyl tert-butyl Ether	5.42	73	24061	2.376 ug/L #	95
18) trans-1,2-Dichloroethene	5.42	96	16566	2.483 ug/L	90
19) 1,1-Dichloroethane	6.22	63	27337	2.444 ug/L	97
21) 2-Butanone	7.18	43	12625m	5.314 ug/L	
22) cis-1,2-Dichloroethene	7.17	96	17822	2.507 ug/L	86
23) Bromochloromethane	7.52	128	7819	2.433 ug/L	88
25) Chloroform	7.68	83	27882	2.519 ug/L	99
27) 1,2-Dichloroethane	8.40	62	16861	2.393 ug/L	97
30) Cyclohexane	7.96	56	28120	2.505 ug/L	98
31) 1,1,1-Trichloroethane	7.87	97	22137	2.540 ug/L	97
32) Carbon tetrachloride	8.07	117	20625	2.496 ug/L	96
34) Benzene	8.32	78	66422	2.555 ug/L	100
35) Trichloroethene	9.09	95	17619	2.595 ug/L	98
36) Methylcyclohexane	9.34	83	31621	2.576 ug/L	98
40) 1,2-Dichloropropane	9.37	63	15674	2.477 ug/L	98
41) Bromodichloromethane	9.65	83	18354	2.364 ug/L	98
42) cis-1,3-Dichloropropene	10.07	75	22638	2.238 ug/L	93
43) 4-Methyl-2-pentanone	10.21	43	20714	4.645 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101019\
 Data File : VW013522.D
 Acq On : 10 Oct 2019 16:03
 Operator : SY/VA
 Sample : VSTD2.503
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 10 16:31:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM101019S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 10 14:17:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) Toluene	10.39	91	71472	2.539	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	17797	2.224	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	11217	2.324	ug/L	89
47) Tetrachloroethene	10.87	164	15892	2.571	ug/L	96
49) 2-Hexanone	10.97	43	13349	4.331	ug/L	98
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52) Chlorobenzene	11.66	112	44764	2.519	ug/L	96
53) Ethylbenzene	11.73	91	78033	2.504	ug/L	96
54) m,p-Xylene	11.84	106	31116	2.576	ug/L	89
55) o-xylene	12.16	106	27964	2.471	ug/L	93
56) Styrene	12.18	104	46252	2.395	ug/L	97
57) Isopropylbenzene	12.46	105	77579	2.512	ug/L #	96
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	12806	2.239	ug/L #	98
59) 1,2,3-Trichloropropane	12.77	75	9539	2.221	ug/L	98
62) Bromoform	12.35	173	7379	2.144	ug/L #	97
63) 1,3-Dichlorobenzene	13.50	146	36813	2.638	ug/L	93
64) 1,4-Dichlorobenzene	13.58	146	37495	2.716	ug/L	91
65) 1,2-Dichlorobenzene	13.87	146	33810	2.722	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.49	75	2005	2.316	ug/L	90
67) 1,3,5-Trichlorobenzene	14.63	180	28303	2.764	ug/L	99
68) 1,2,4-trichlorobenzene	15.13	180	21078	2.485	ug/L	100
69) Naphthalene	15.36	128	32633	2.103	ug/L	99
70) 1,2,3-Trichlorobenzene	15.56	180	19642	2.606	ug/L	99

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

