

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\

Quantitation Report (QT Reviewed)

Data File : VW007921.D

Acq On : 26 Dec 2018 14:16

Operator : SY/AP

Sample : VSTDCCC025

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 27 00:42:08 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M

Quant Title : VOC Analysis

QLast Update : Wed Dec 26 13:32:17 2018

Response via : Initial Calibration

Instrument :

MSVOA_W

LabSampleId :

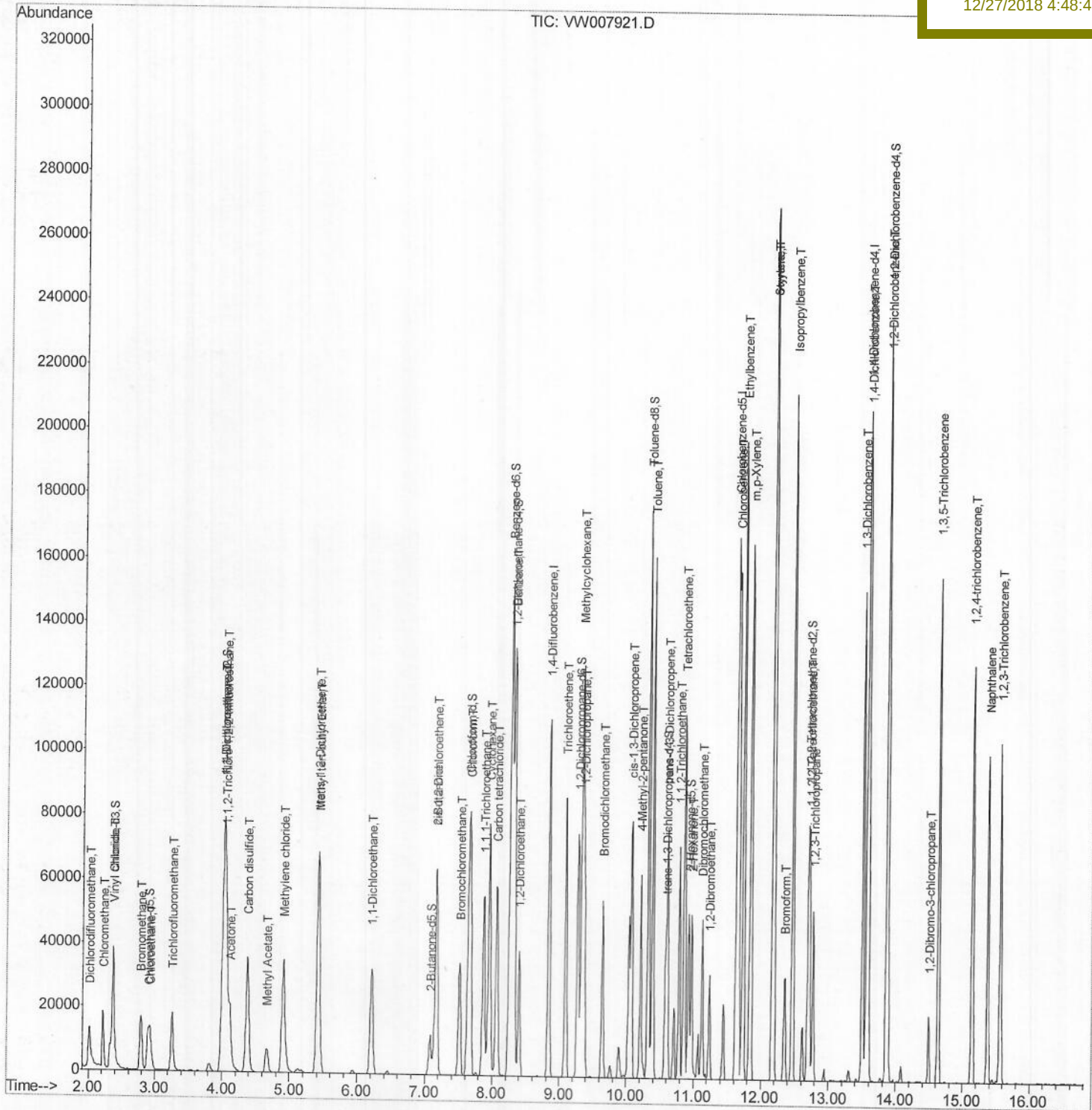
VSTD02589

Manual Integrations

APPROVED

MMDadoda

12/27/2018 4:48:46 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Quantitation Report (Qedit)

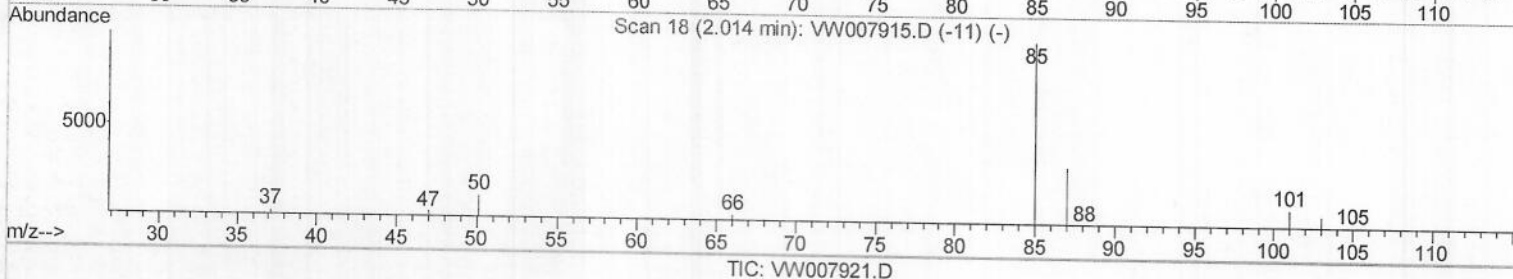
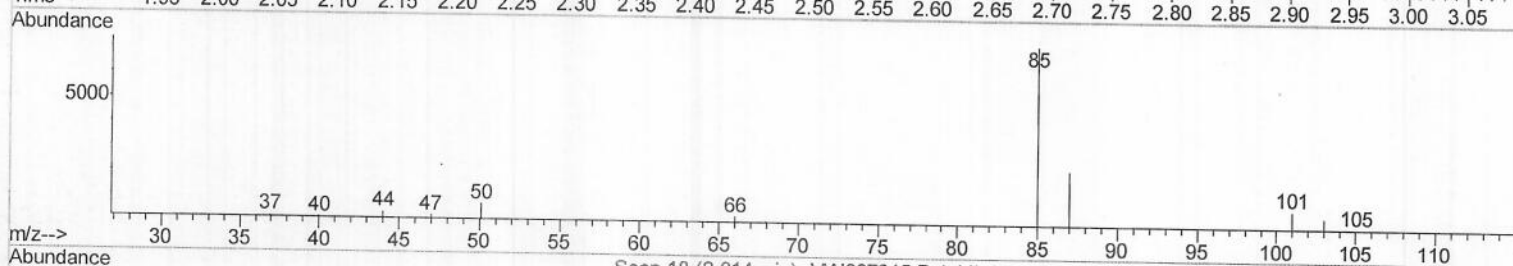
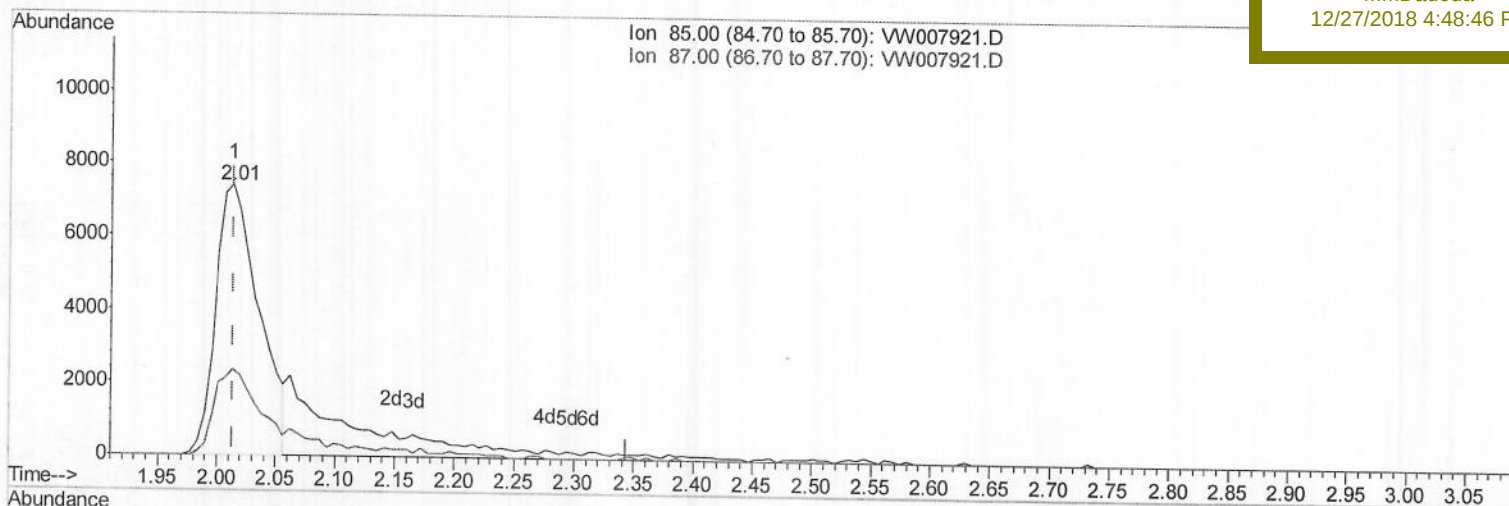
Data File : VW007921.D
Acq On : 26 Dec 2018 14:16
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 27 00:38:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 26 13:32:17 2018
Response via : Initial Calibration

Instrument :
MSVOA_W
LabSampleId :
VSTD02589

Manual Integrations
APPROVED

MMDadoda
12/27/2018 4:48:46 PM



TIC: VW007921.D

(2) Dichlorodifluoromethane (T)

2.014min (+0.000) 18.09ug/L

response 18863

Ion	Exp%	Act%
85.00	100	100
87.00	29.50	32.69
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Quantitation Report (Qedit)

Data File : VW007921.D

Acq On : 26 Dec 2018 14:16

Operator : SY/AP

Sample : VSTDCCC025

Misc : 5.00G/10ML/MSVOA_W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 27 00:38:44 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M

Quant Title : VOC Analysis

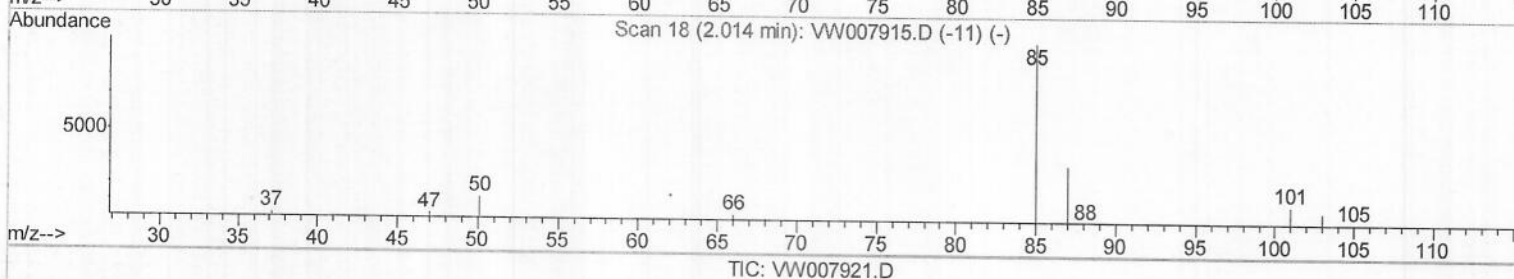
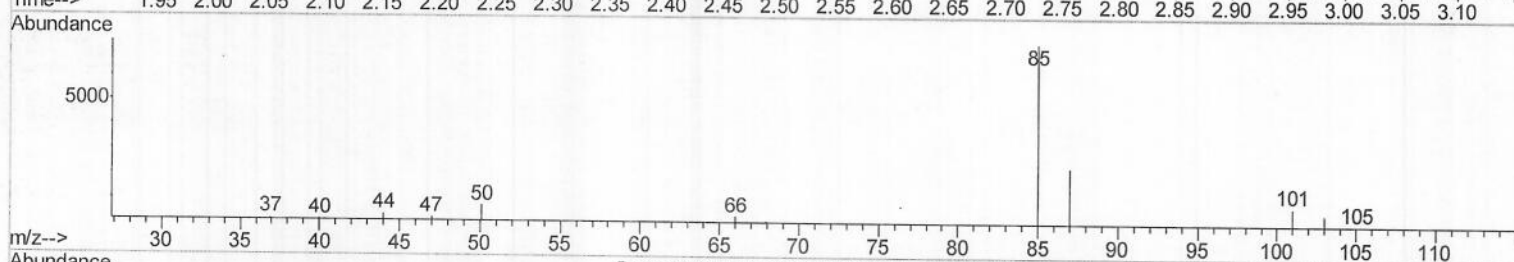
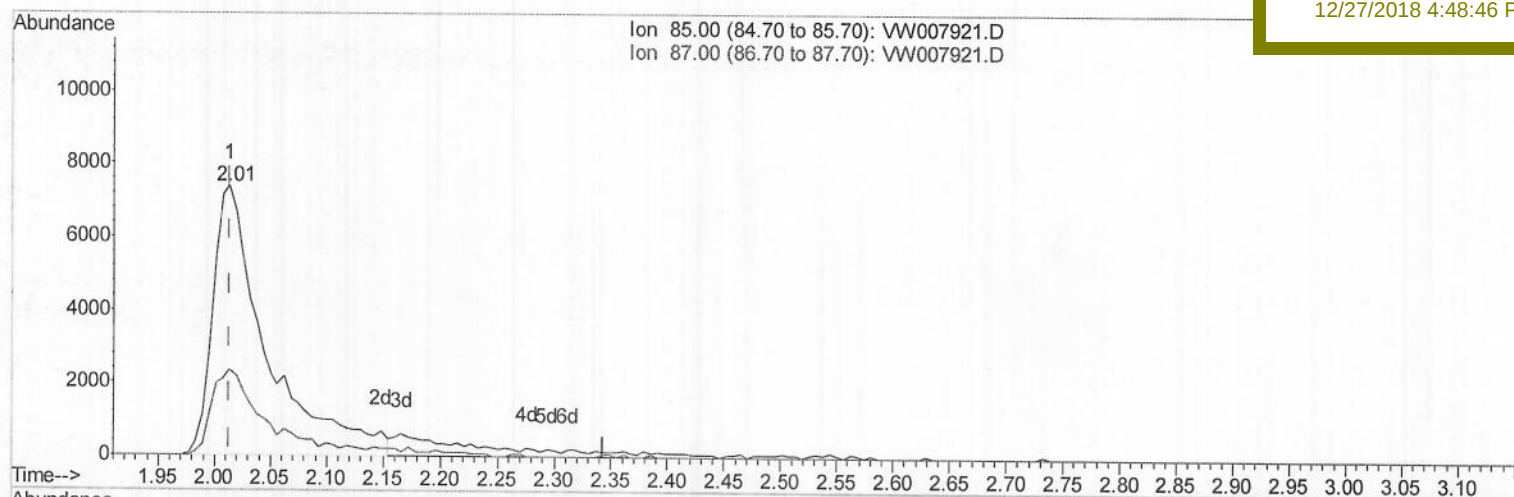
QLast Update : Wed Dec 26 13:32:17 2018

Response via : Initial Calibration

Instrument :
MSVOA_W
LabSampleId :
VSTD02589

Manual Integrations
APPROVED

MMDadoda
12/27/2018 4:48:46 PM



(2) Dichlorodifluoromethane (T)

2.014min (+0.000) 23.60ug/L m

response 24606

Ion	Exp%	Act%
85.00	100	100
87.00	29.50	25.06
0.00	0.00	0.00
0.00	0.00	0.00

SY
12/28/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Quantitation Report (Qedit)

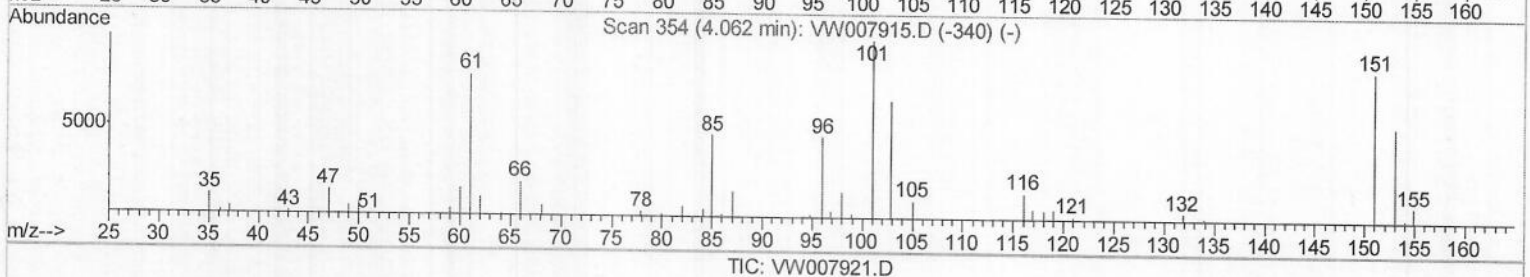
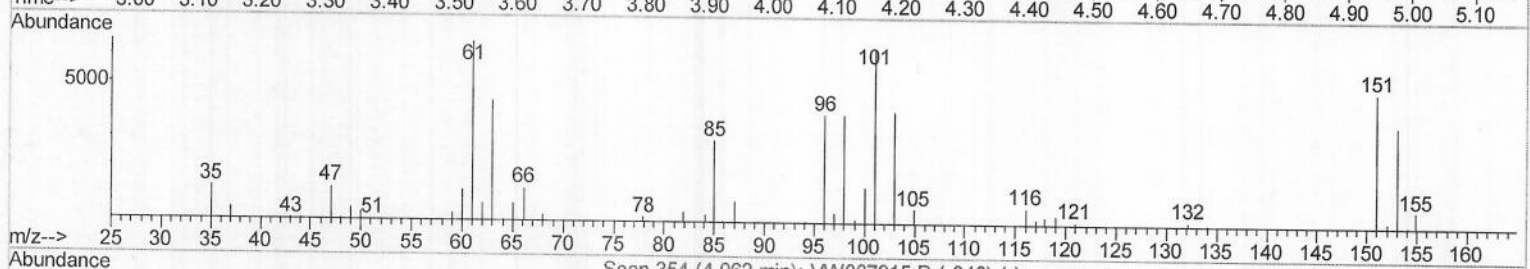
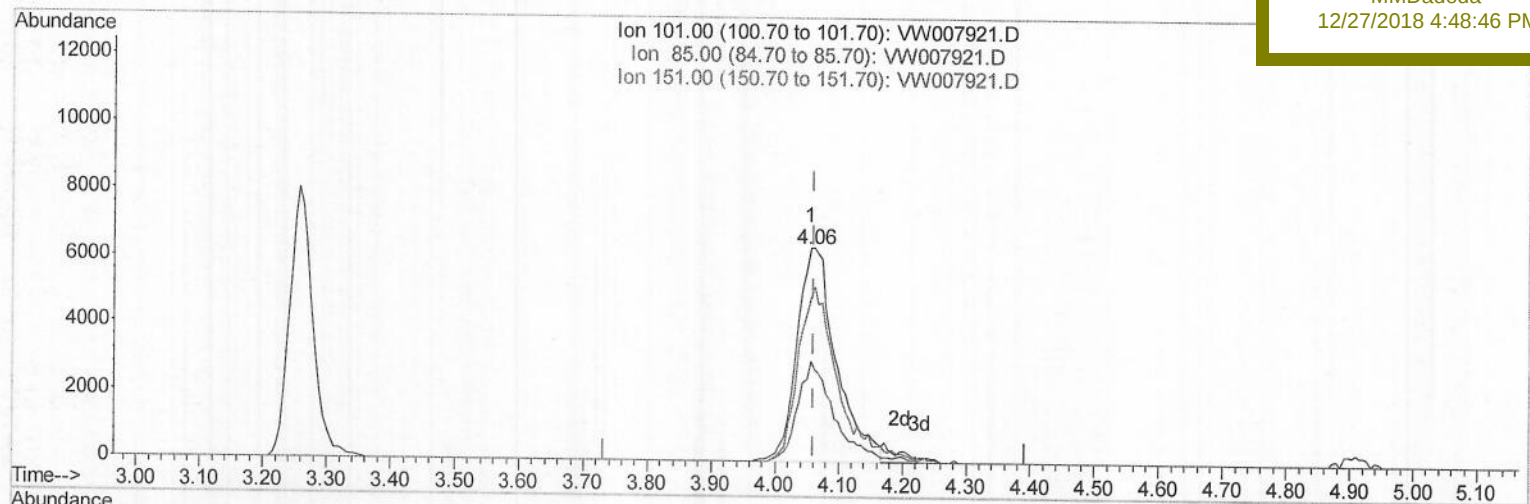
Data File : VW007921.D
Acq On : 26 Dec 2018 14:16
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 27 00:38:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 26 13:32:17 2018
Response via : Initial Calibration

Instrument :
MSVOA_W
LabSampleId :
VSTD02589

Manual Integrations
APPROVED

MMDadoda
12/27/2018 4:48:46 PM



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

4.056min (-0.006) 22.94ug/L

response 27404

Ion	Exp%	Act%
101.00	100	100
85.00	41.80	43.70
151.00	79.00	72.97
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Quantitation Report (Qedit)

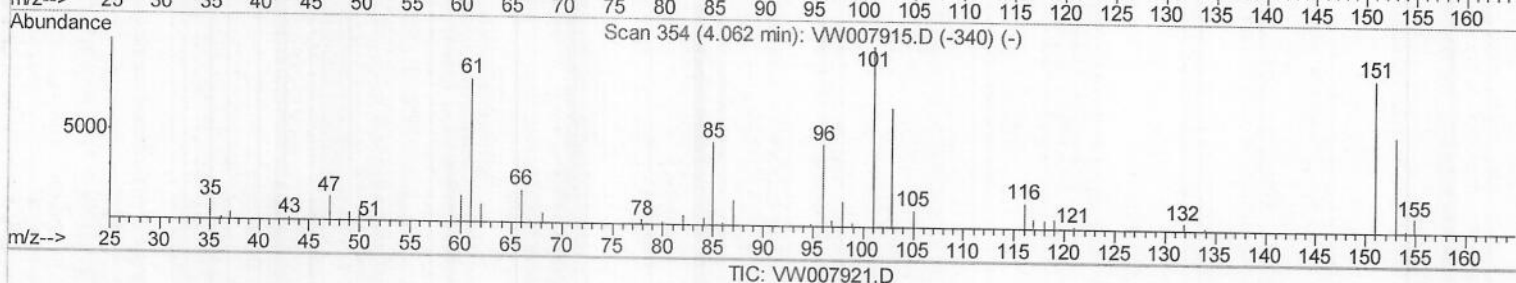
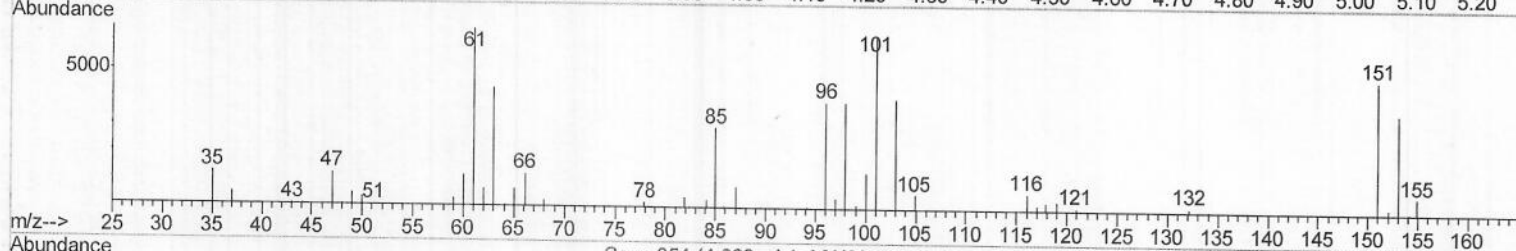
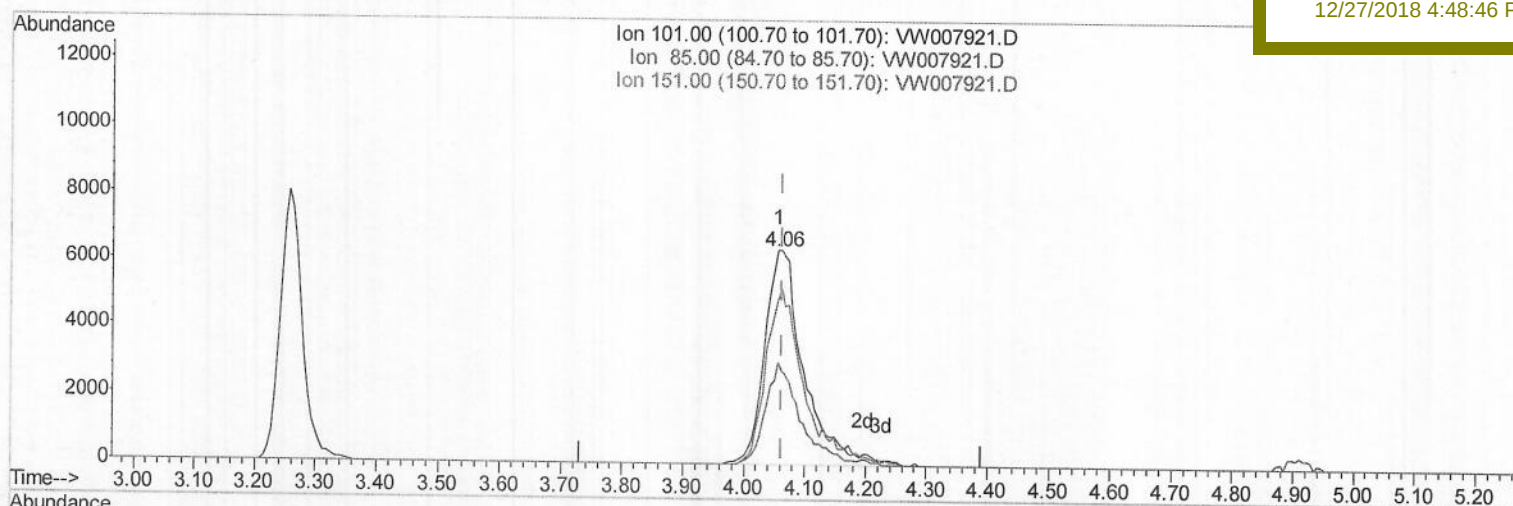
Data File : VW007921.D
Acq On : 26 Dec 2018 14:16
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
LabSampleId :
VSTD02589

Quant Time: Dec 27 00:38:44 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 26 13:32:17 2018
Response via : Initial Calibration

Manual Integrations
APPROVED

MMDadoda
12/27/2018 4:48:46 PM



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

4.056min (-0.006) 23.98ug/L m

response 28640

Ion	Exp%	Act%
101.00	100	100
85.00	41.80	41.81
151.00	79.00	69.82
0.00	0.00	0.00

SY
12/28/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Quantitation Report (QT Reviewed)

Data File : VW007921.D
Acq On : 26 Dec 2018 14:16
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 27 00:42:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 26 13:32:17 2018
Response via : Initial Calibration

Instrument :
MSVOA_W
LabSampleId :
VSTD02589

Manual Integrations
APPROVED

MMDadoda
12/27/2018 4:48:46 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	94617	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	85132	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	43089	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	25716	27.58	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	110.32%		
7) Chloroethane-d5	2.89	69	17379	27.66	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	110.64%		
10) 1,1-Dichloroethene-d2	4.01	63	63982	25.35	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	101.40%		
20) 2-Butanone-d5	7.07	46	20623	51.86	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	103.72%		
24) Chloroform-d	7.65	84	63543	25.24	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	100.96%		
26) 1,2-Dichloroethane-d4	8.31	65	38736	25.67	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	102.68%		
29) Benzene-d6	8.27	84	123294	25.82	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	103.28%		
33) 1,2-Dichloropropane-d6	9.27	67	33439	25.75	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	103.00%		
37) Toluene-d8	10.32	98	119480	25.69	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	102.76%		
38) trans-1,3-Dichloropropene-	10.58	79	18950	25.42	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	101.68%		
39) 2-Hexanone-d5	10.93	63	16950	51.03	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	102.06%		
48) 1,1,2,2-Tetrachloroethane-	12.69	84	31688	25.35	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	101.40%		
61) 1,2-Dichlorobenzene-d4	13.86	152	42050	24.16	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	96.64%		

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	24606m	23.596	ug/L
3) Chloromethane	2.21	50	17941	21.831	ug/L
5) Vinyl chloride	2.37	62	24402	23.870	ug/L
6) Bromomethane	2.78	94	14612	24.092	ug/L
8) Chloroethane	2.93	64	12239	24.096	ug/L
9) Trichlorofluoromethane	3.26	101	20185	22.865	ug/L
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	28640m	23.978	ug/L
12) 1,1-Dichloroethene	4.03	96	26582	24.304	ug/L
13) Acetone	4.12	43	19839	51.062	ug/L
14) Carbon disulfide	4.37	76	83451	24.089	ug/L
15) Methyl Acetate	4.67	43	13650	23.088	ug/L
16) Methylene chloride	4.92	84	29938	19.554	ug/L
17) Methyl tert-butyl Ether	5.43	73	44812	23.051	ug/L
18) trans-1,2-Dichloroethene	5.42	96	27362	23.063	ug/L
19) 1,1-Dichloroethane	6.21	63	46339	23.477	ug/L
21) 2-Butanone	7.17	43	21348	48.289	ug/L
22) cis-1,2-Dichloroethene	7.17	96	29765	23.413	ug/L

SY
12/28/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122718\
Quantitation Report (QT Reviewed)

Data File : VW007921.D
Acq On : 26 Dec 2018 14:16
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 27 00:42:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM122618S.M
Quant Title : VOC Analysis
QLast Update : Wed Dec 26 13:32:17 2018
Response via : Initial Calibration

Instrument :
MSVOA_W
LabSampleId :
VSTD02589

Manual Integrations
APPROVED

MMDadoda
12/27/2018 4:48:46 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.51	128	13469	23.531	ug/L	98
25) Chloroform	7.67	83	51373	23.110	ug/L	99
27) 1,2-Dichloroethane	8.40	62	38437	23.575	ug/L	100
30) Cyclohexane	7.95	56	44322	23.665	ug/L	100
31) 1,1,1-Trichloroethane	7.87	97	47733	23.386	ug/L	98
32) Carbon tetrachloride	8.06	117	46286	23.620	ug/L	99
34) Benzene	8.32	78	106484	23.375	ug/L	100
35) Trichloroethene	9.09	95	30518	23.058	ug/L	98
36) Methylcyclohexane	9.34	83	53044	23.371	ug/L	99
40) 1,2-Dichloropropane	9.37	63	24870	23.224	ug/L	99
41) Bromodichloromethane	9.64	83	37570	23.856	ug/L	95
42) cis-1,3-Dichloropropene	10.07	75	44944	24.044	ug/L	99
43) 4-Methyl-2-pentanone	10.21	43	38859	45.849	ug/L	99
44) Toluene	10.38	91	119458	23.438	ug/L	98
45) trans-1,3-Dichloropropene	10.60	75	40600	23.572	ug/L	95
46) 1,1,2-Trichloroethane	10.79	97	21561	23.799	ug/L	96
47) Tetrachloroethene	10.86	164	24081	22.900	ug/L	93
49) 2-Hexanone	10.97	43	30017	49.089	ug/L	95
50) Dibromochloromethane	11.13	129	26705	23.137	ug/L	99
51) 1,2-Dibromoethane	11.24	107	22285	24.101	ug/L	96
52) Chlorobenzene	11.66	112	77443	23.341	ug/L	98
53) Ethylbenzene	11.73	91	138391	23.633	ug/L	98
54) m,p-Xylene	11.84	106	52252	23.684	ug/L	98
55) o-xylene	12.17	106	48916	23.378	ug/L	99
56) Styrene	12.18	104	85129	24.004	ug/L	98
57) Isopropylbenzene	12.47	105	141131	23.811	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.72	83	26364	23.470	ug/L	98
59) 1,2,3-Trichloropropane	12.77	75	21221	23.487	ug/L	98
62) Bromoform	12.35	173	15332	22.571	ug/L	97
63) 1,3-Dichlorobenzene	13.50	146	62297	22.615	ug/L	99
64) 1,4-Dichlorobenzene	13.58	146	62319	22.749	ug/L	95
65) 1,2-Dichlorobenzene	13.88	146	57185	22.867	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	5452	22.113	ug/L	88
67) 1,3,5-Trichlorobenzene	14.63	180	45733	22.667	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	38529	22.246	ug/L	100
69) Naphthalene	15.38	128	89980	22.952	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	34483	22.491	ug/L	100

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