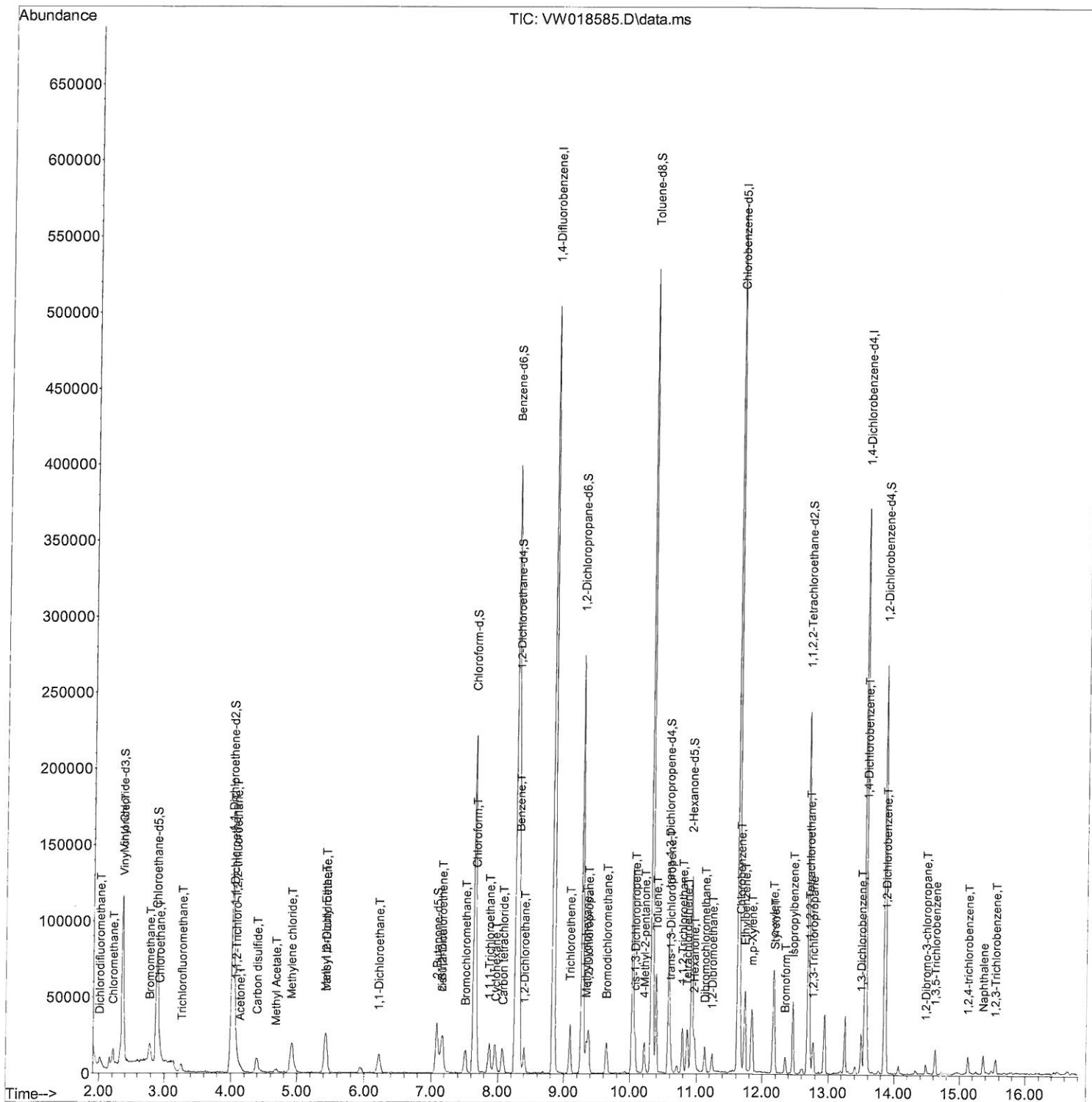


Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
Data File : VW018585.D
Acq On : 07 Apr 2021 16:54
Operator : SY/VA
Sample : M1881-23RE
Misc : 5.40G/10ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

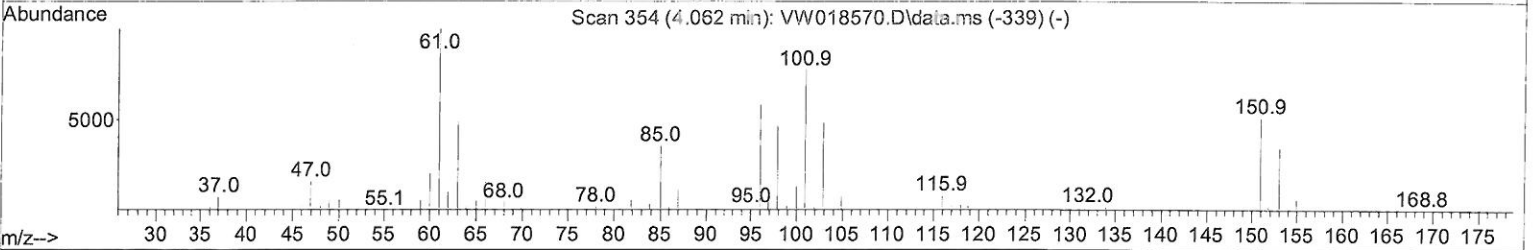
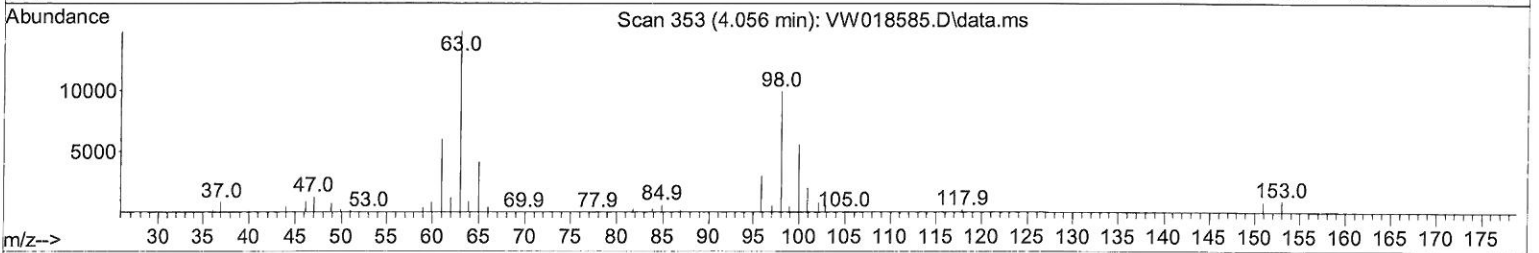
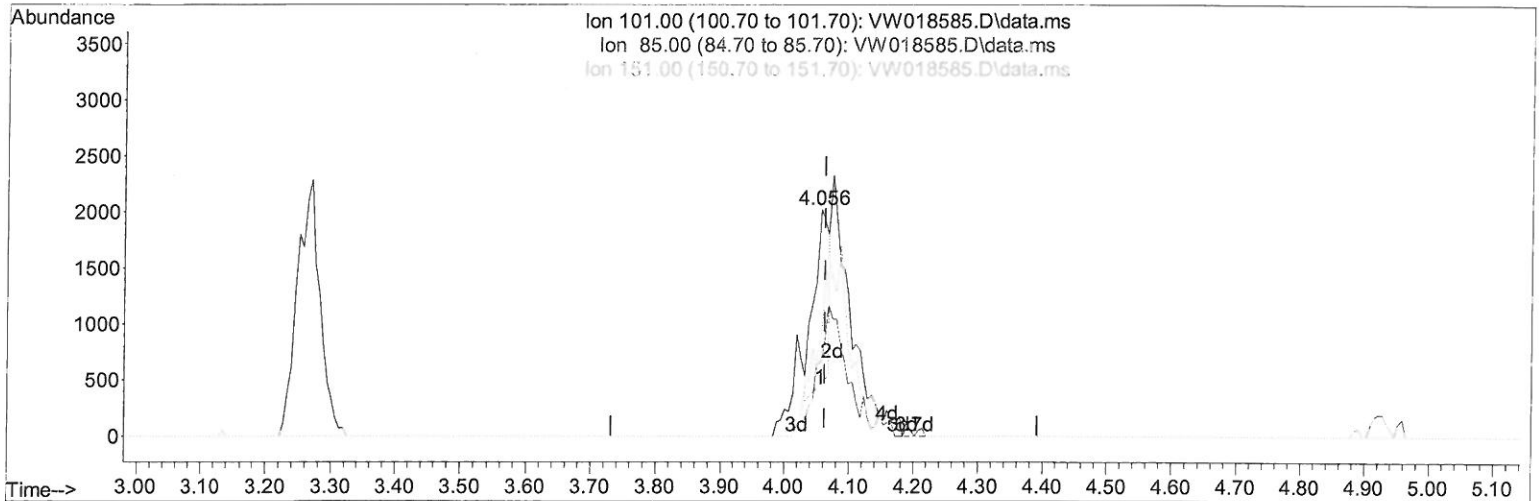
Quant Time: Apr 08 05:37:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 08 05:34:15 2021
Response via : Initial Calibration



Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
 Data File : VW018585.D
 Acq On : 07 Apr 2021 16:54
 Operator : SY/VA
 Sample : M1881-23RE
 Misc : 5.40G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 05:34:15 2021
 Response via : Initial Calibration



TIC: VW018585.D\data.ms

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

4.056min (-0.006) 0.49 ug/L

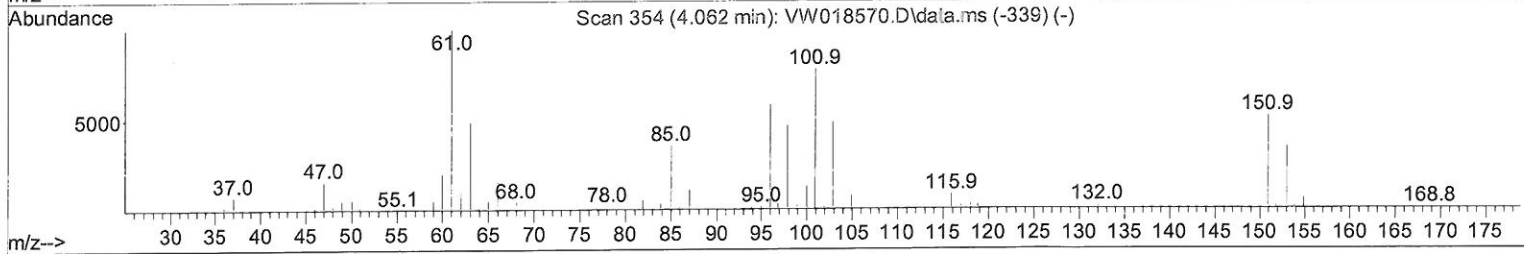
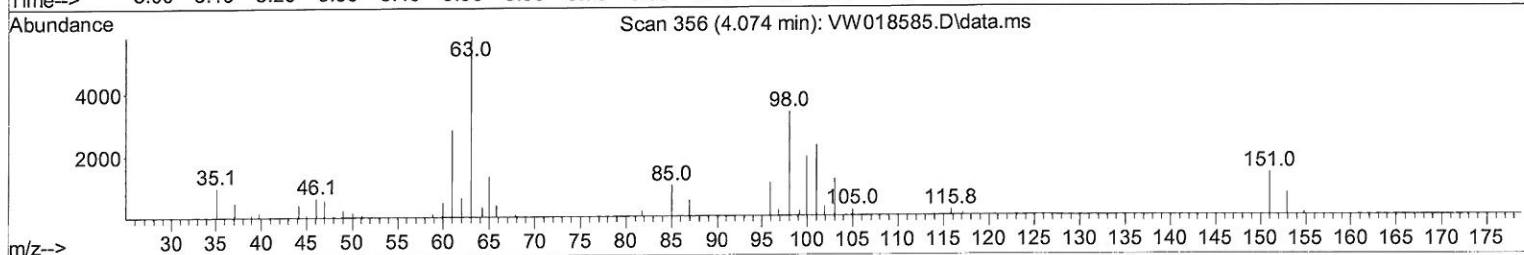
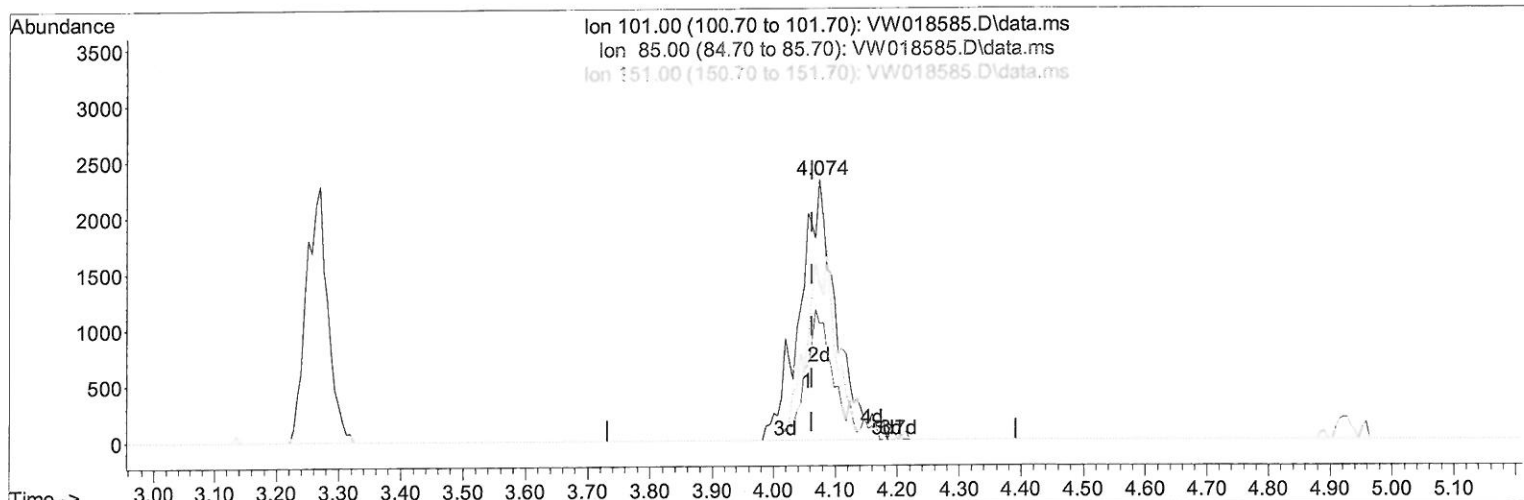
response 2480

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	44.50	0.00#
151.00	72.60	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
 Data File : VW018585.D
 Acq On : 07 Apr 2021 16:54
 Operator : SY/VA
 Sample : M1881-23RE
 Misc : 5.40G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 05:34:15 2021
 Response via : Initial Calibration



TIC: VW018585.D\data.ms

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

4.074min (+ 0.012) 1.89 ug/L m

response 9569

Ion	Exp%	Act%
-----	------	------

101.00	100.00	100.00
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85.00	44.50	0.00#
-------	-------	-------

151.00	72.60	0.00#
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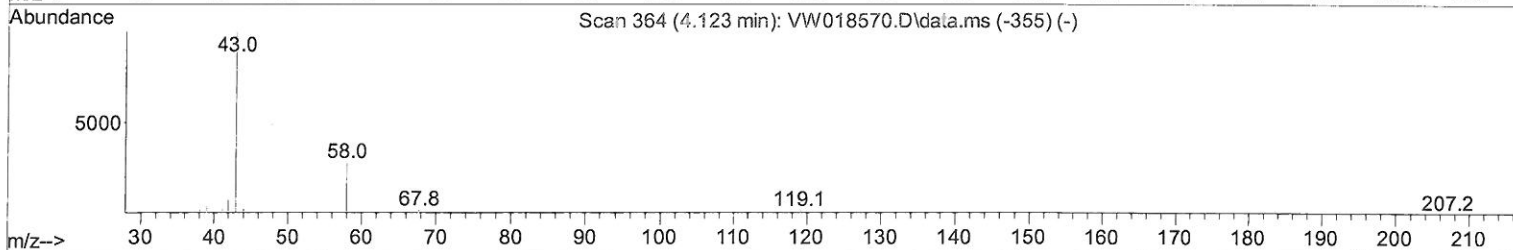
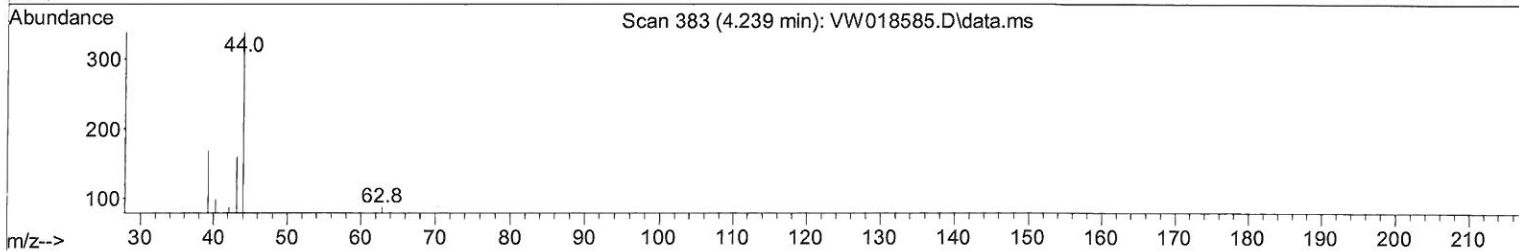
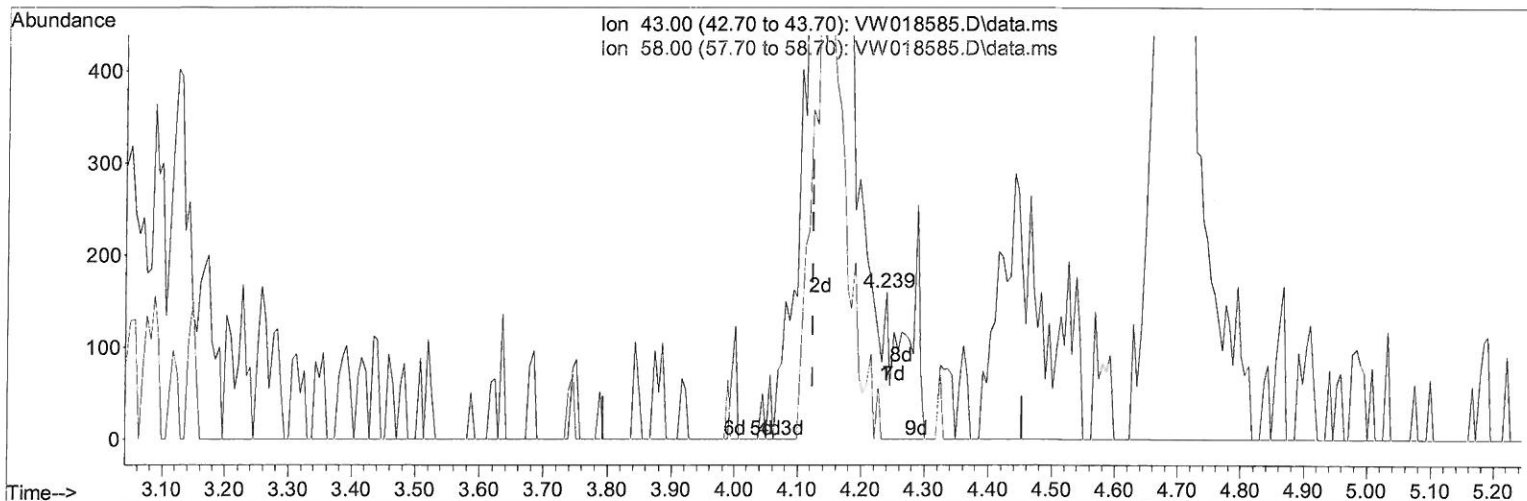
0.00	0.00	0.00
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Handwritten: > MD
4/12/21

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
 Data File : VW018585.D
 Acq On : 07 Apr 2021 16:54
 Operator : SY/VA
 Sample : M1881-23RE
 Misc : 5.40G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 05:34:15 2021
 Response via : Initial Calibration



TIC: VW018585.D\data.ms

(13) Acetone (T)

4.239min (+ 0.116) 0.04 ug/L

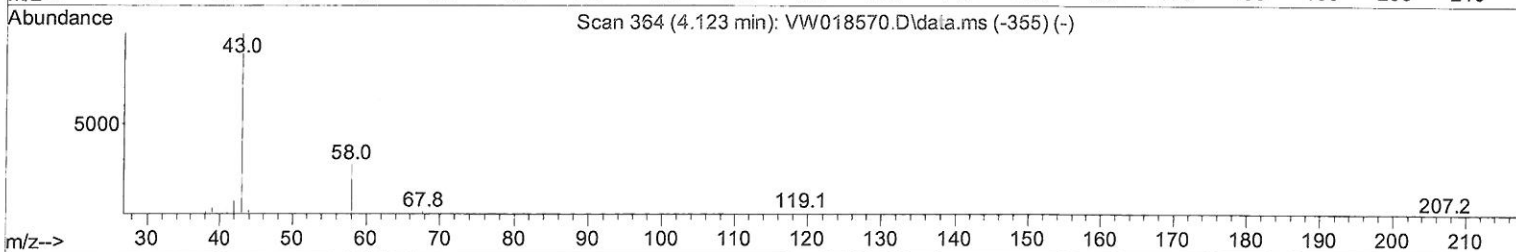
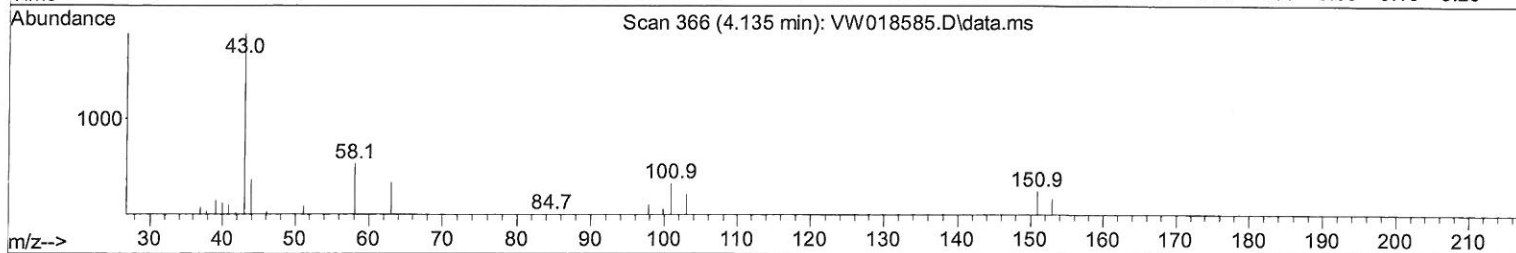
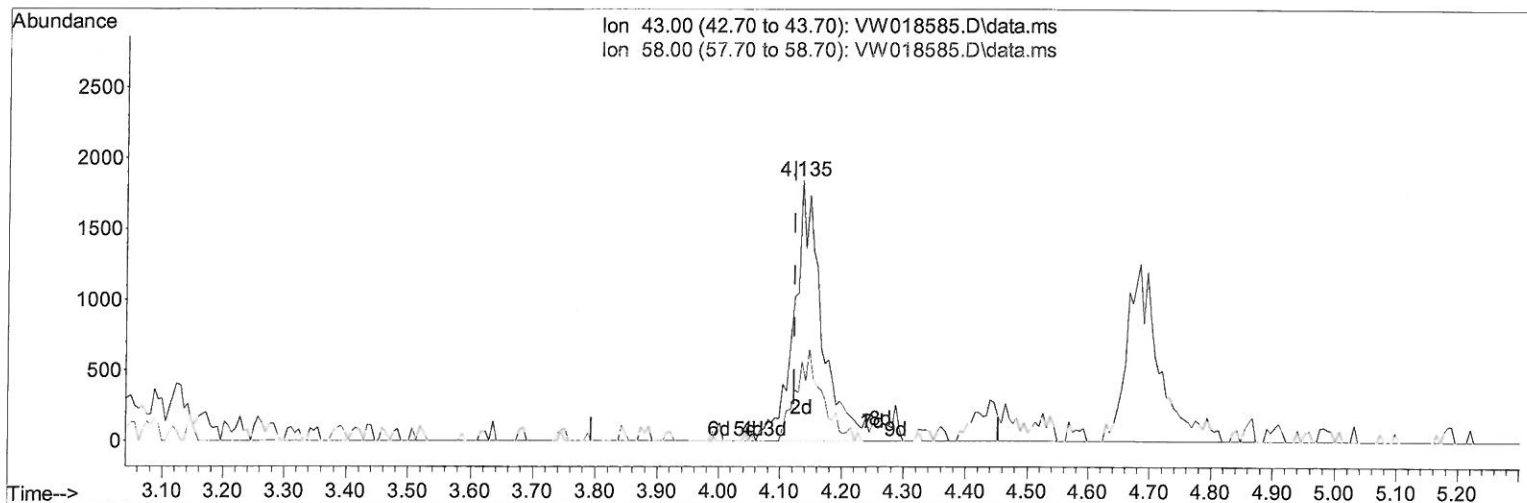
response 37

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	31.10	56.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
 Data File : VW018585.D
 Acq On : 07 Apr 2021 16:54
 Operator : SY/VA
 Sample : M1881-23RE
 Misc : 5.40G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 05:34:15 2021
 Response via : Initial Calibration



TIC: VW018585.D\data.ms

(13) Acetone (T)

4.135min (+ 0.012) 6.67 ug/L m

response 6103

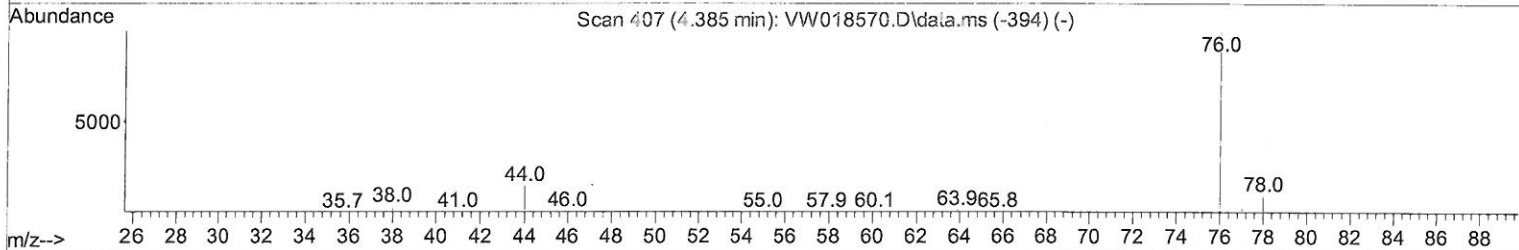
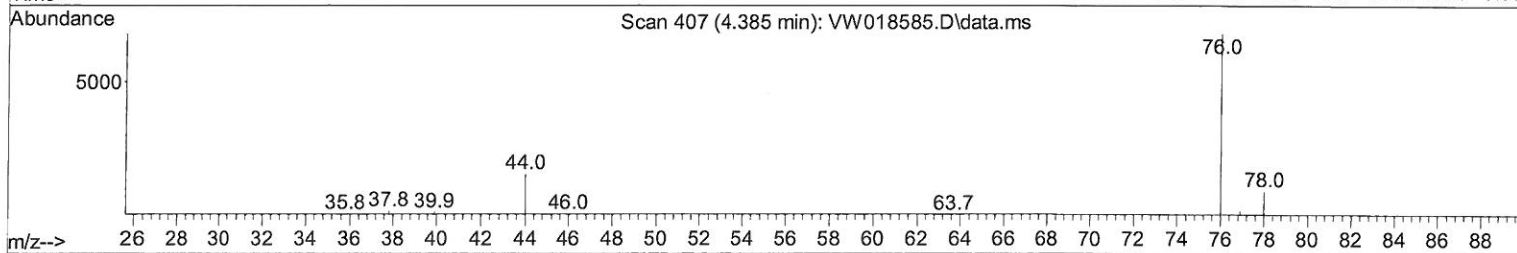
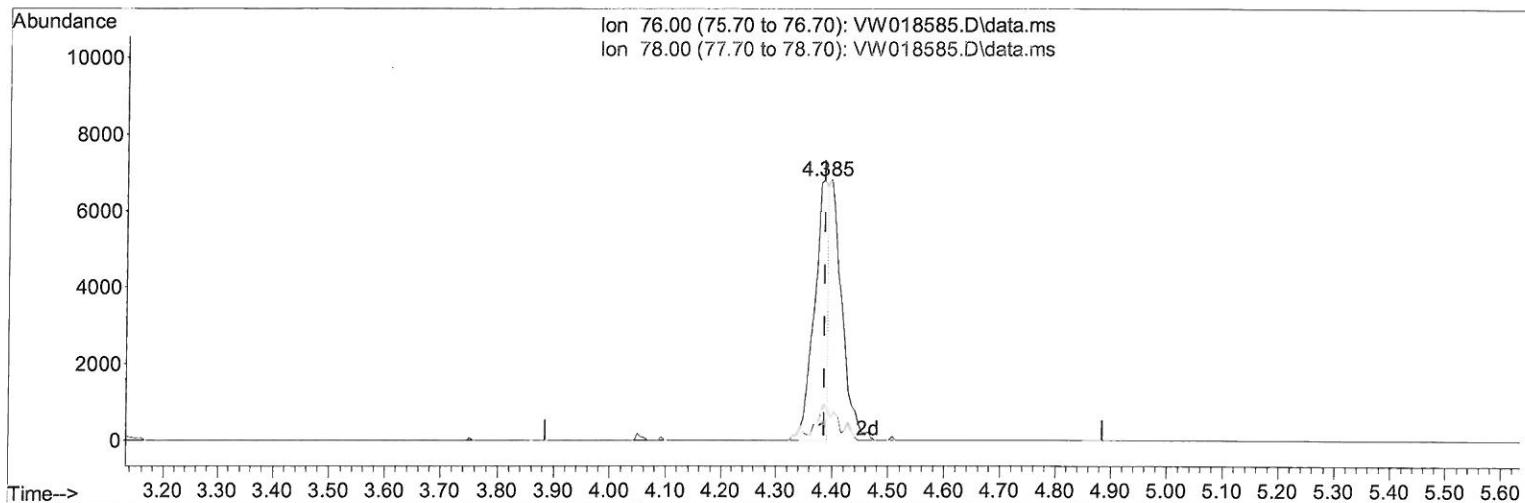
Ion	Exp%	Act%
43.00	100.00	100.00
58.00	31.10	0.34
0.00	0.00	0.00
0.00	0.00	0.00

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4/12/21

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
Data File : VW018585.D
Acq On : 07 Apr 2021 16:54
Operator : SY/VA
Sample : M1881-23RE
Misc : 5.40G/10ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 08 05:34:15 2021
Response via : Initial Calibration



TIC: VW018585.D\data.ms

(14) Carbon disulfide (T)

4.385min (-0.000) 0.78 ug/L

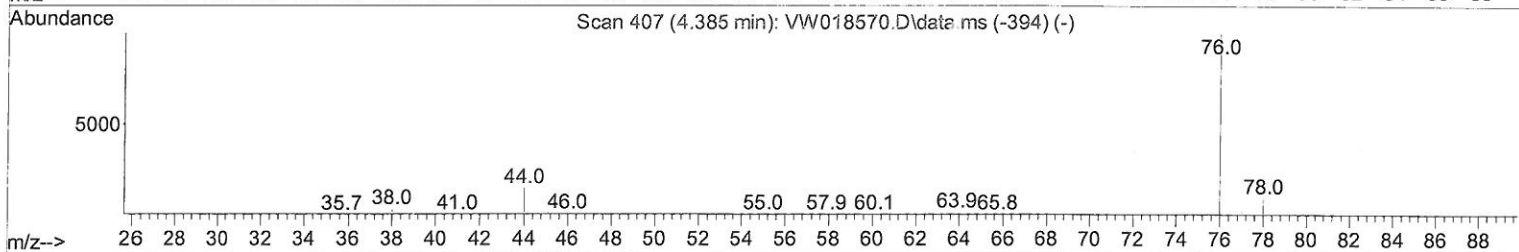
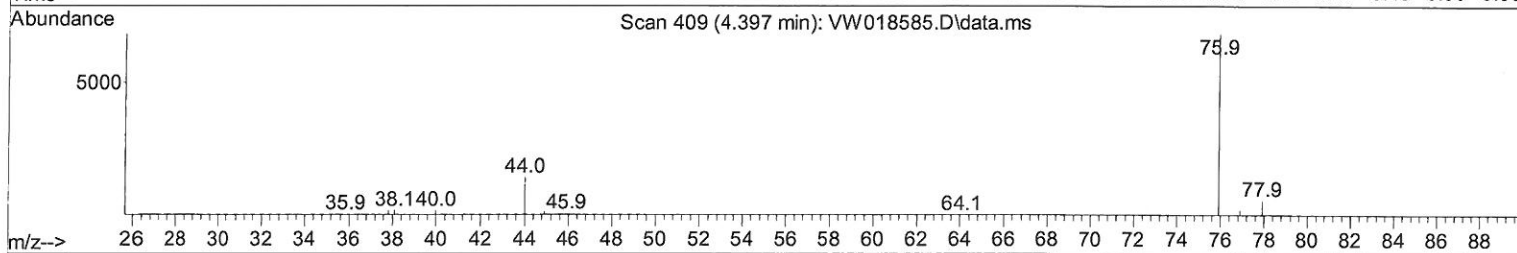
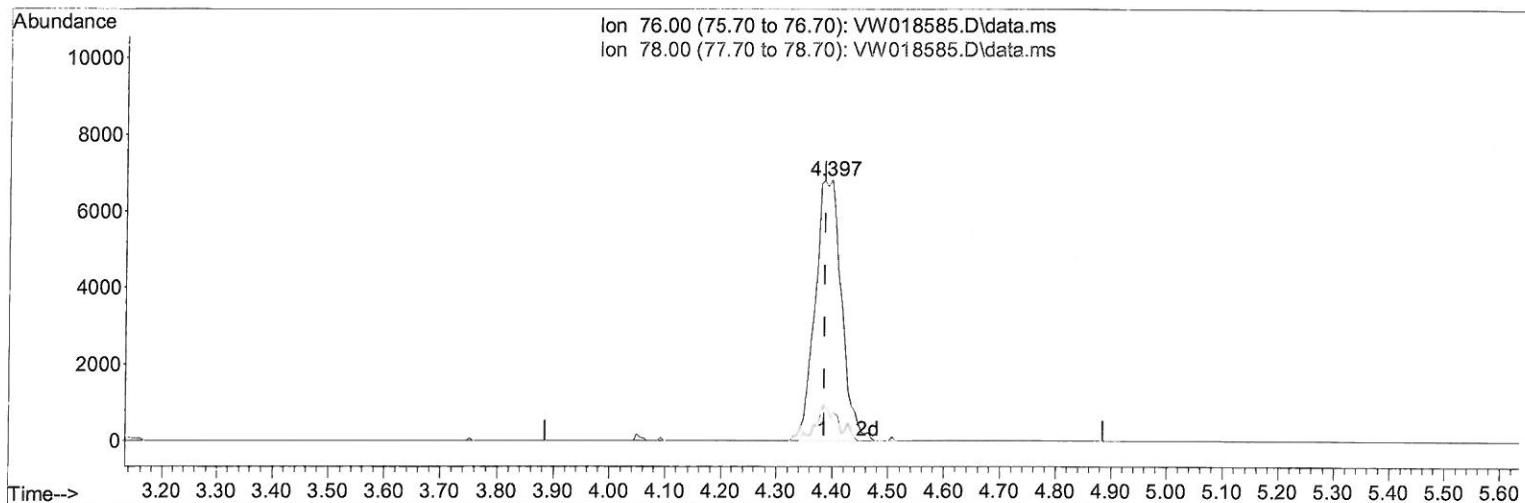
response 12184

Ion	Exp%	Act%
76.00	100.00	100.00
78.00	9.30	13.74#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
Data File : VW018585.D
Acq On : 07 Apr 2021 16:54
Operator : SY/VA
Sample : M1881-23RE
Misc : 5.40G/10ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 08 05:34:15 2021
Response via : Initial Calibration



TIC: VW018585.D\data.ms

(14) Carbon disulfide (T)

4.397min (+ 0.012) 1.43 ug/L m

response 22206

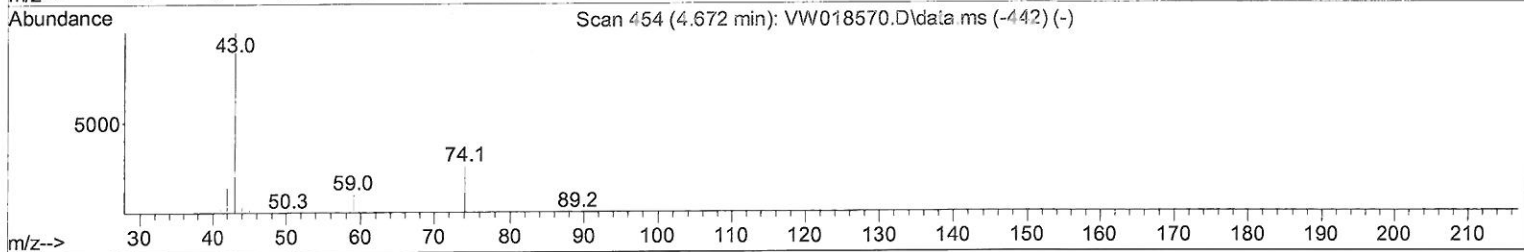
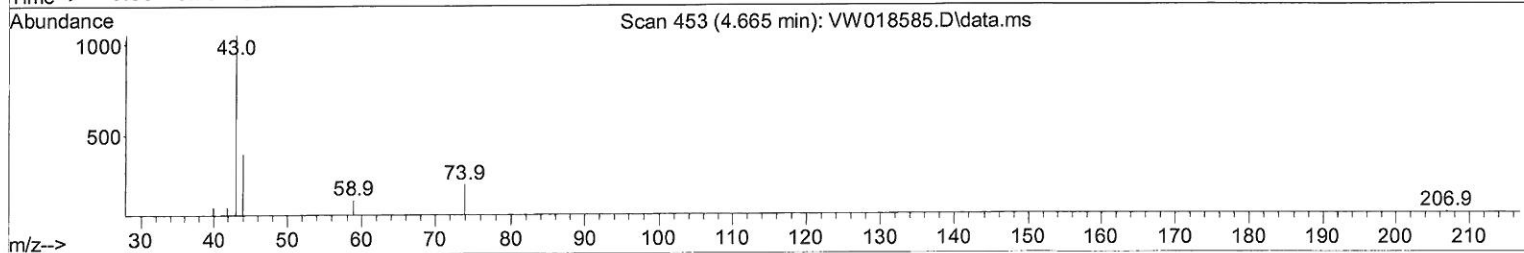
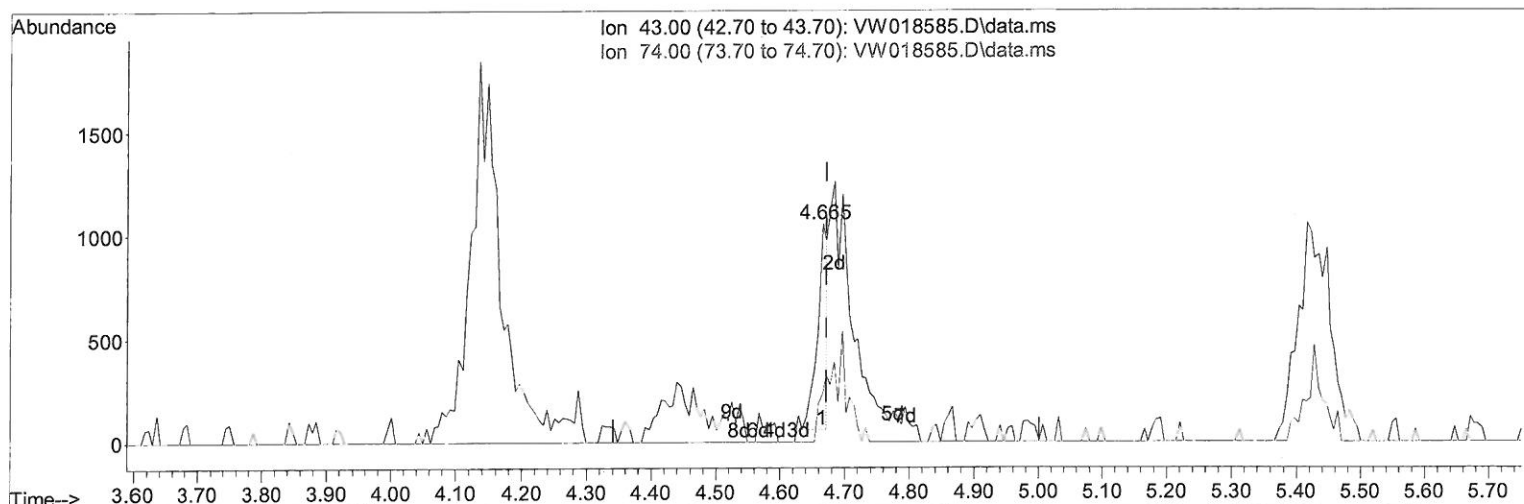
Ion	Exp%	Act%
76.00	100.00	100.00
78.00	9.30	8.67
0.00	0.00	0.00
0.00	0.00	0.00

> MD
4/12/21

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
Data File : VW018585.D
Acq On : 07 Apr 2021 16:54
Operator : SY/VA
Sample : M1881-23RE
Misc : 5.40G/10ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 08 05:34:15 2021
Response via : Initial Calibration



TIC: VW018585.D\data.ms

(15) Methyl Acetate (T)

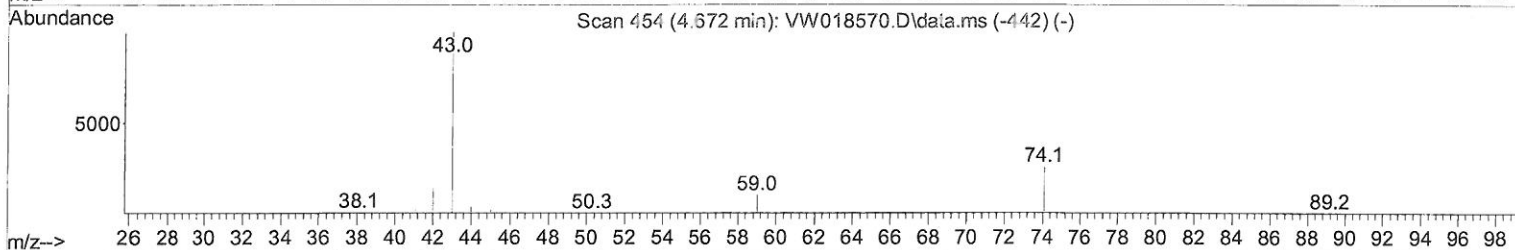
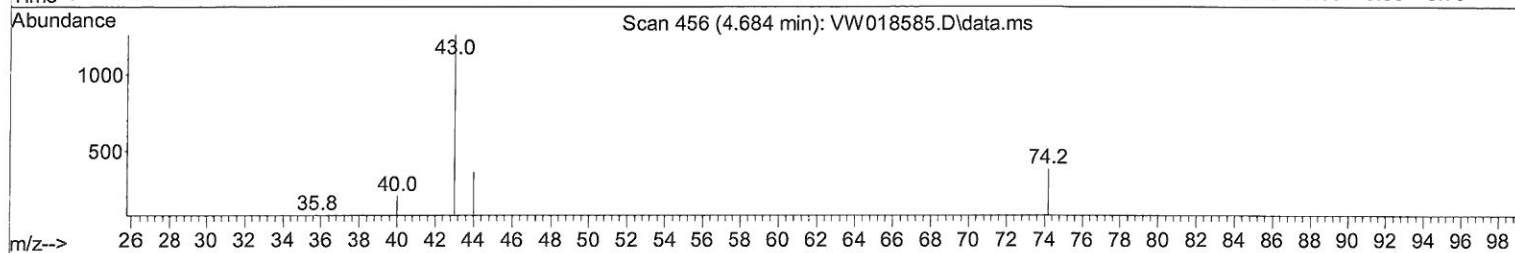
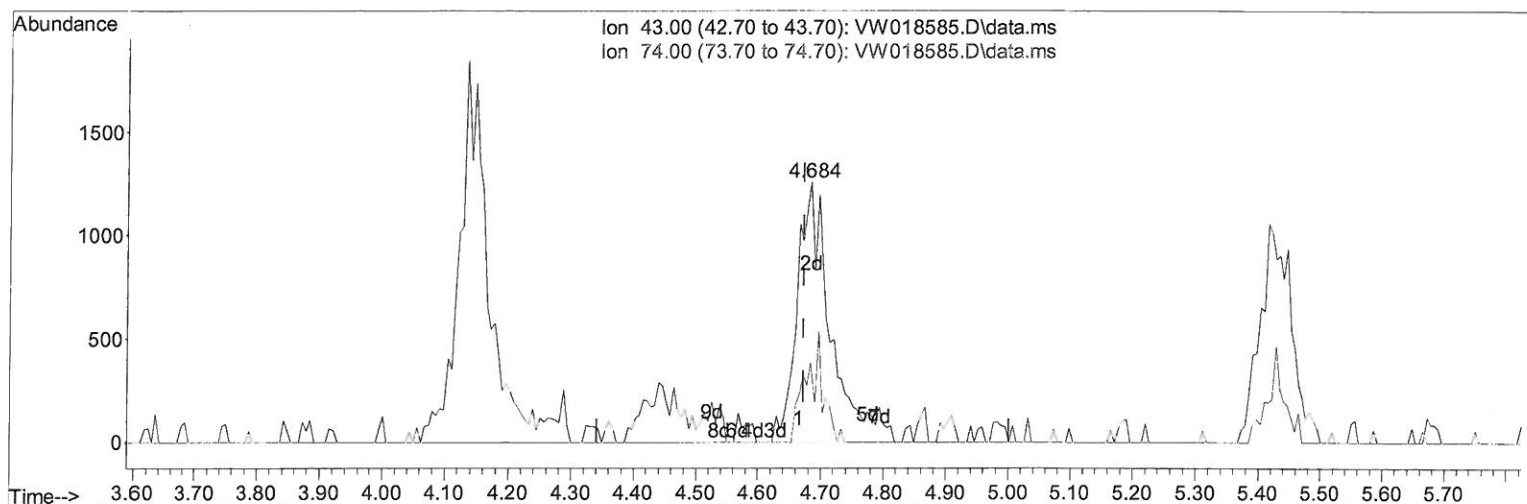
4.665min (-0.006) 0.51 ug/L

response 1070

Ion	Exp%	Act%
43.00	100.00	100.00
74.00	28.60	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
Data File : VW018585.D
Acq On : 07 Apr 2021 16:54
Operator : SY/VA
Sample : M1881-23RE
Misc : 5.40G/10ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 08 05:34:15 2021
Response via : Initial Calibration



TIC: VW018585.D\data.ms

4.684min (+ 0.012) 2.22 ug/L m

response 4647

Ion	Exp%	Act%
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43.00	100.00	100.00
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74.00	28.60	0.00#
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0.00	0.00	0.00
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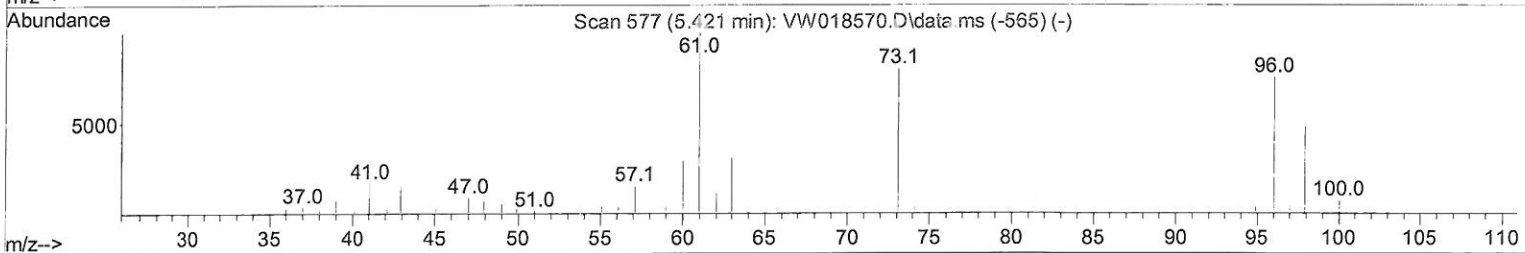
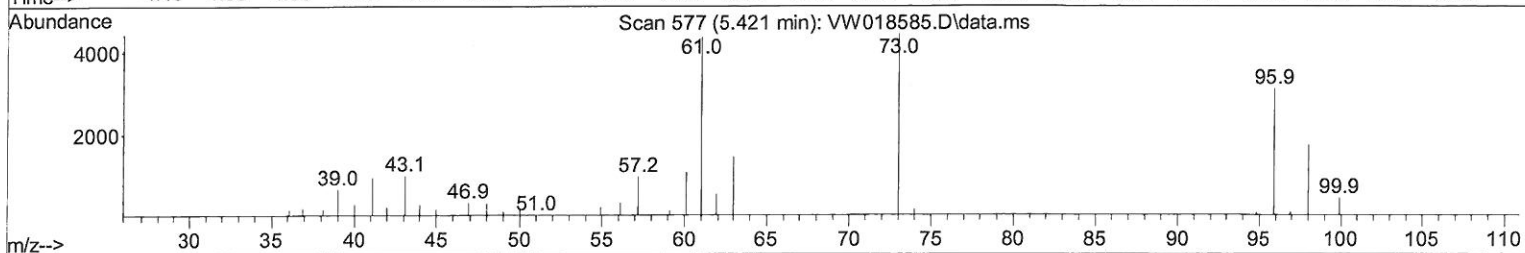
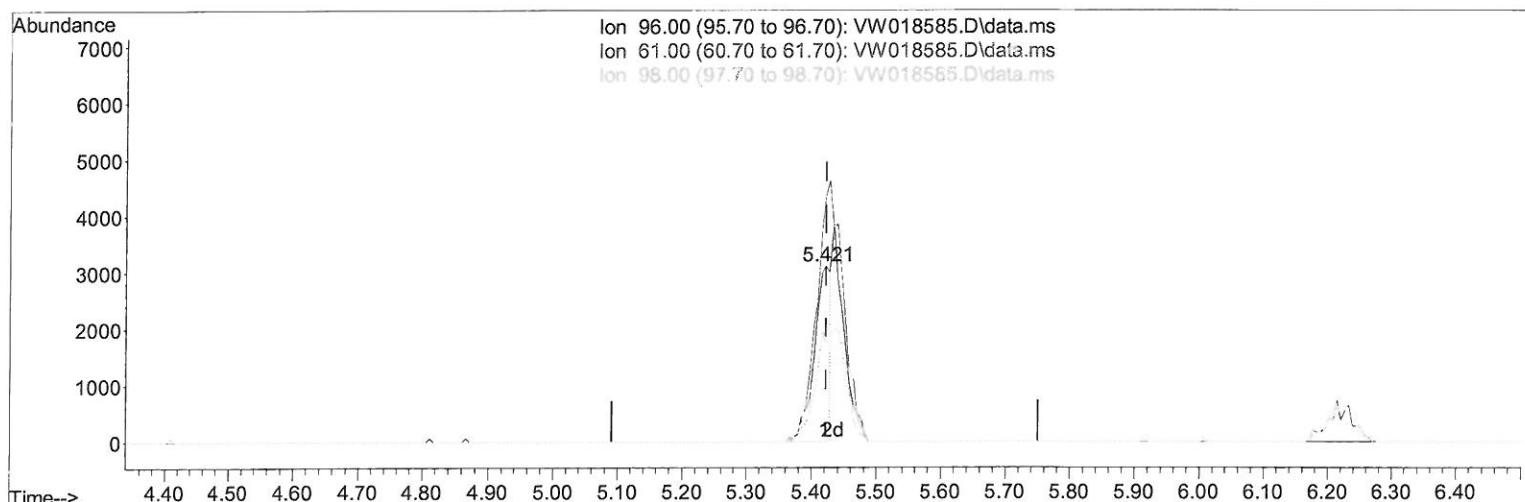
0.00	0.00	0.00
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→ MD
4/12/21

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
Data File : VW018585.D
Acq On : 07 Apr 2021 16:54
Operator : SY/VA
Sample : M1881-23RE
Misc : 5.40G/10ML/MSVOA_W/SOIL
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Thu Apr 08 05:34:15 2021
Response via : Initial Calibration



TIC: VW018585.D\data.ms

(18) trans-1,2-Dichloroethene (T)

5.421min (-0.000) 0.96 ug/L

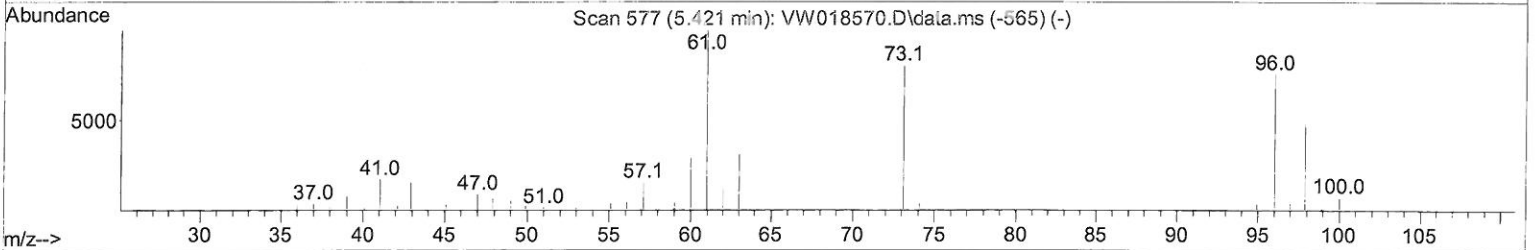
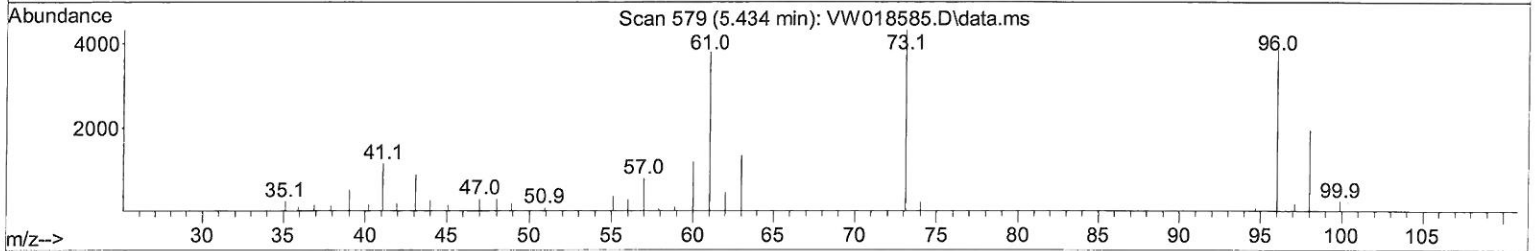
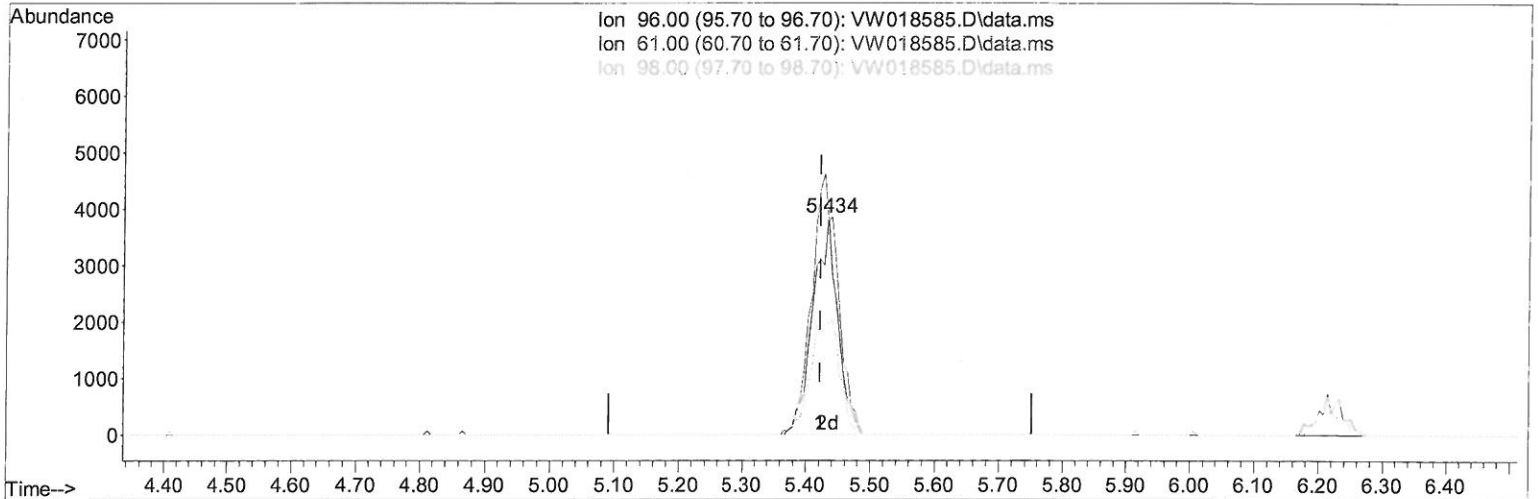
response 5452

Ion	Exp%	Act%
96.00	100.00	100.00
61.00	133.30	140.28
98.00	64.60	56.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
 Data File : VW018585.D
 Acq On : 07 Apr 2021 16:54
 Operator : SY/VA
 Sample : M1881-23RE
 Misc : 5.40G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 05:34:15 2021
 Response via : Initial Calibration



TIC: VW018585.D\data.ms

(18) trans-1,2-Dichloroethene (T)

5.434min (+ 0.012) 1.82 ug/L m

response 10369

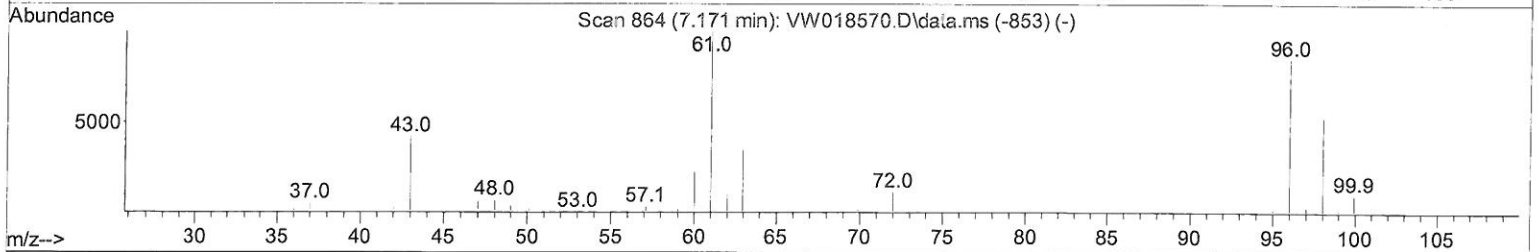
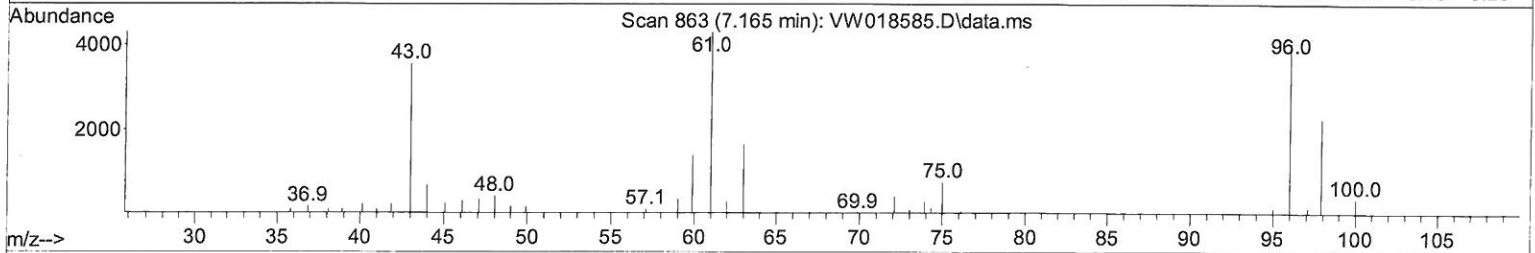
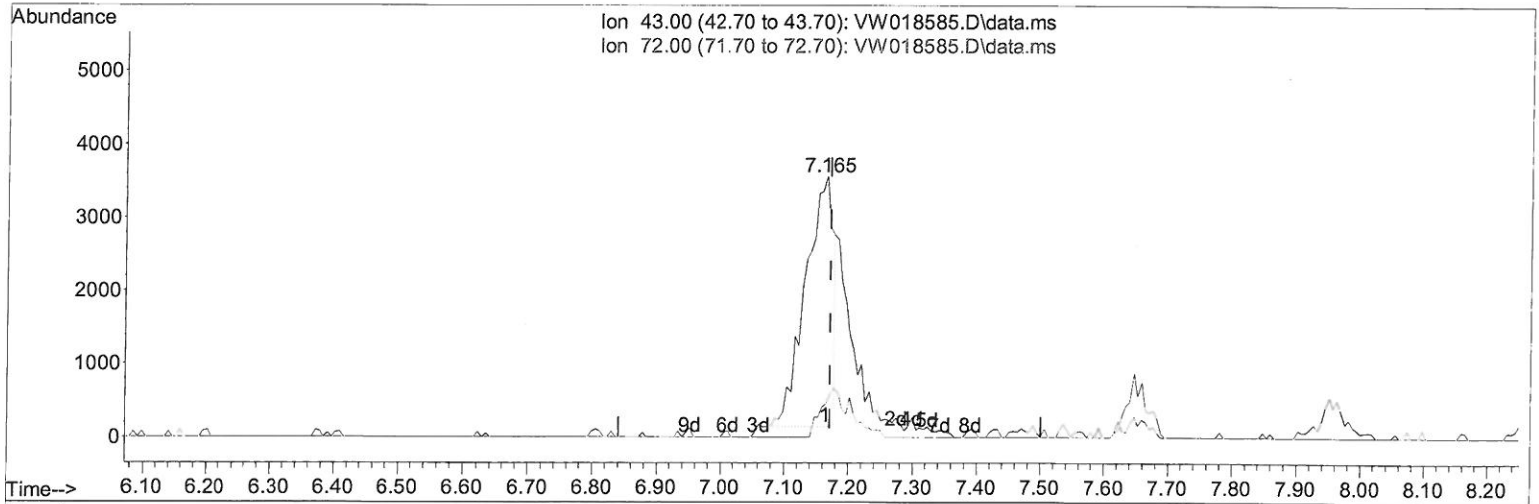
Ion	Exp%	Act%
96.00	100.00	100.00
61.00	133.30	98.42
98.00	64.60	50.91
0.00	0.00	0.00

Handwritten: > MD
4/12/21

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
 Data File : VW018585.D
 Acq On : 07 Apr 2021 16:54
 Operator : SY/VA
 Sample : M1881-23RE
 Misc : 5.40G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 05:34:15 2021
 Response via : Initial Calibration



TIC: VW018585.D\data.ms

(21) 2-Butanone

7.165min (-0.006) 7.07 ug/L

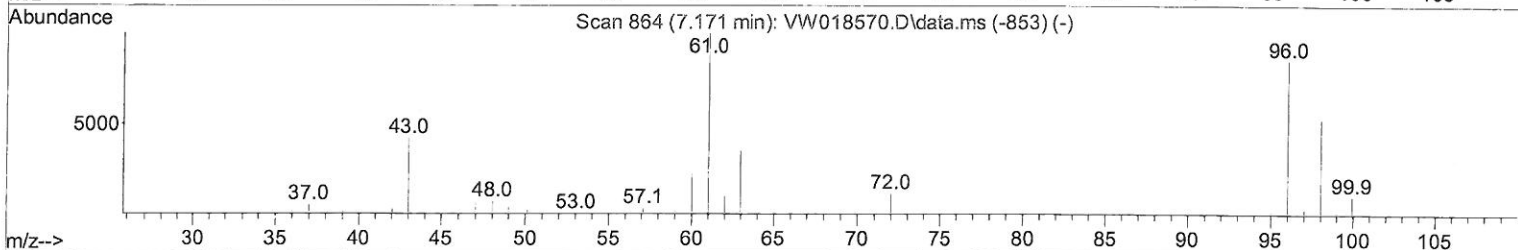
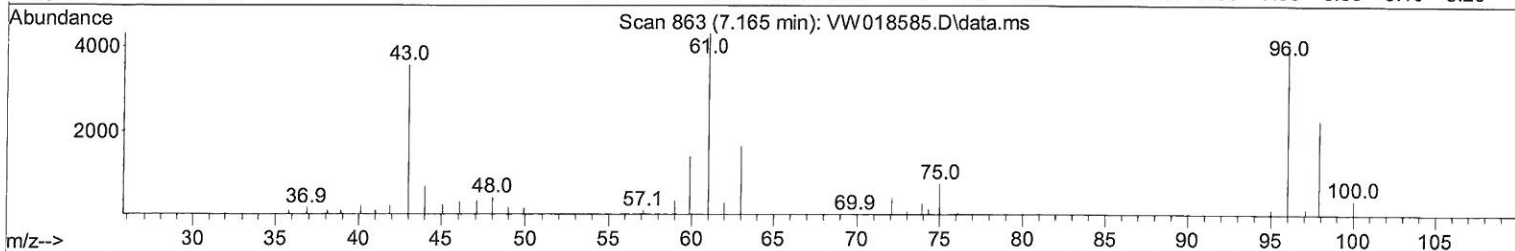
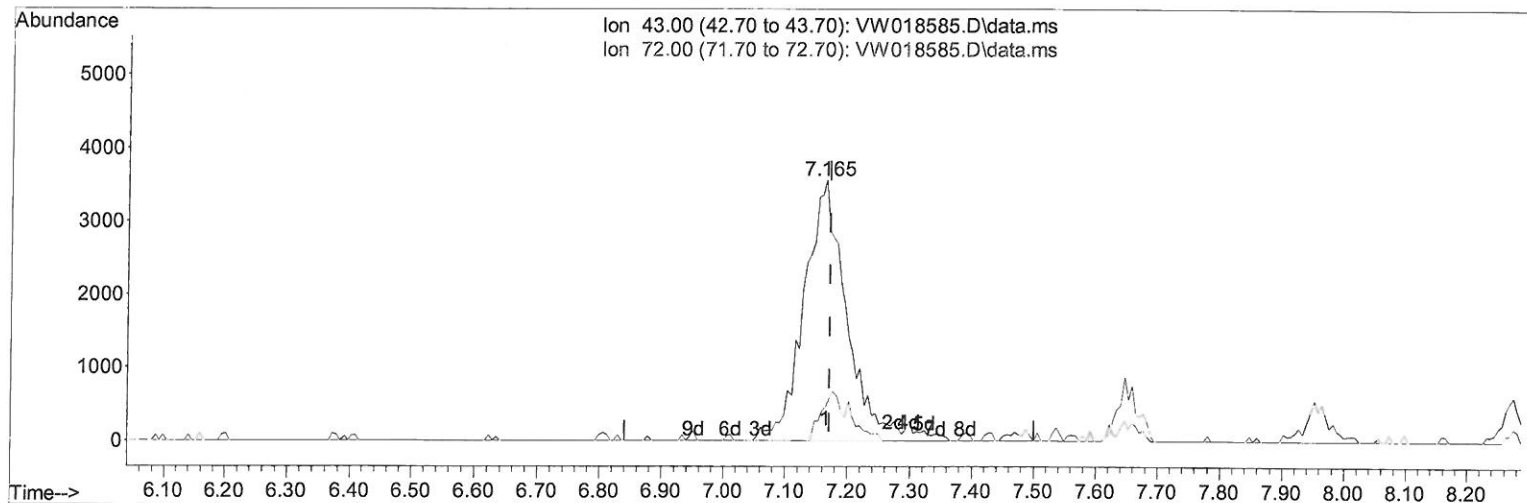
response 10285

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	33.00	13.98#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
 Data File : VW018585.D
 Acq On : 07 Apr 2021 16:54
 Operator : SY/VA
 Sample : M1881-23RE
 Misc : 5.40G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 05:34:15 2021
 Response via : Initial Calibration



TIC: VW018585.D\data.ms

(21) 2-Butanone

7.165min (-0.006) 11.40 ug/L m

response 16578

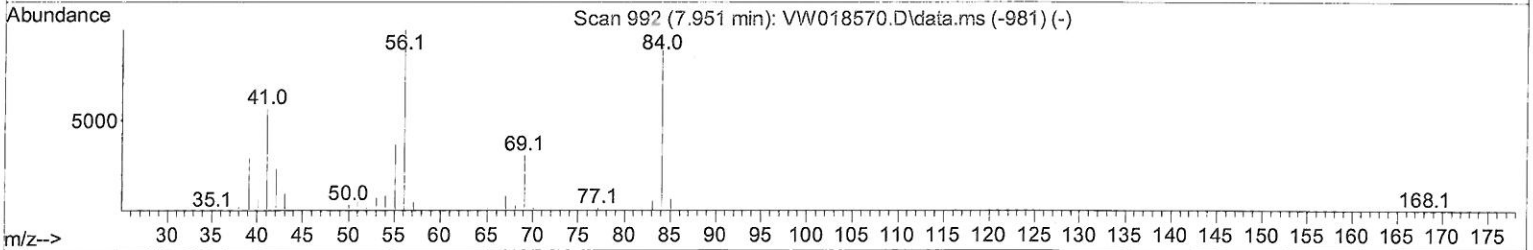
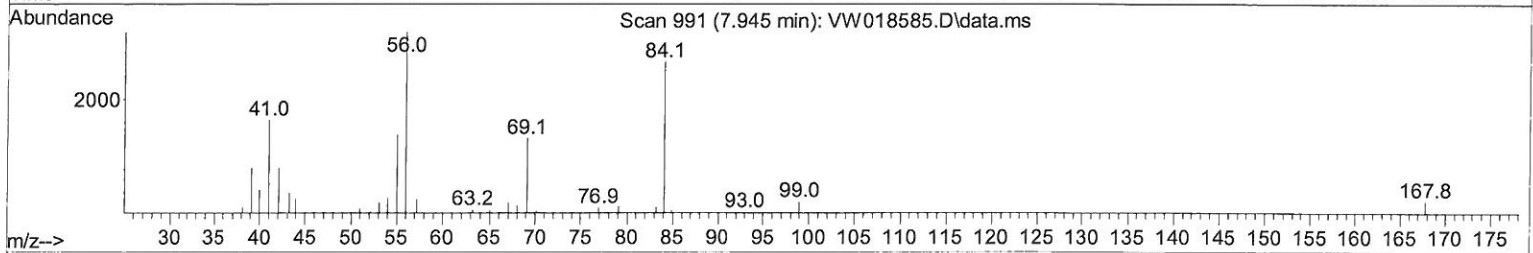
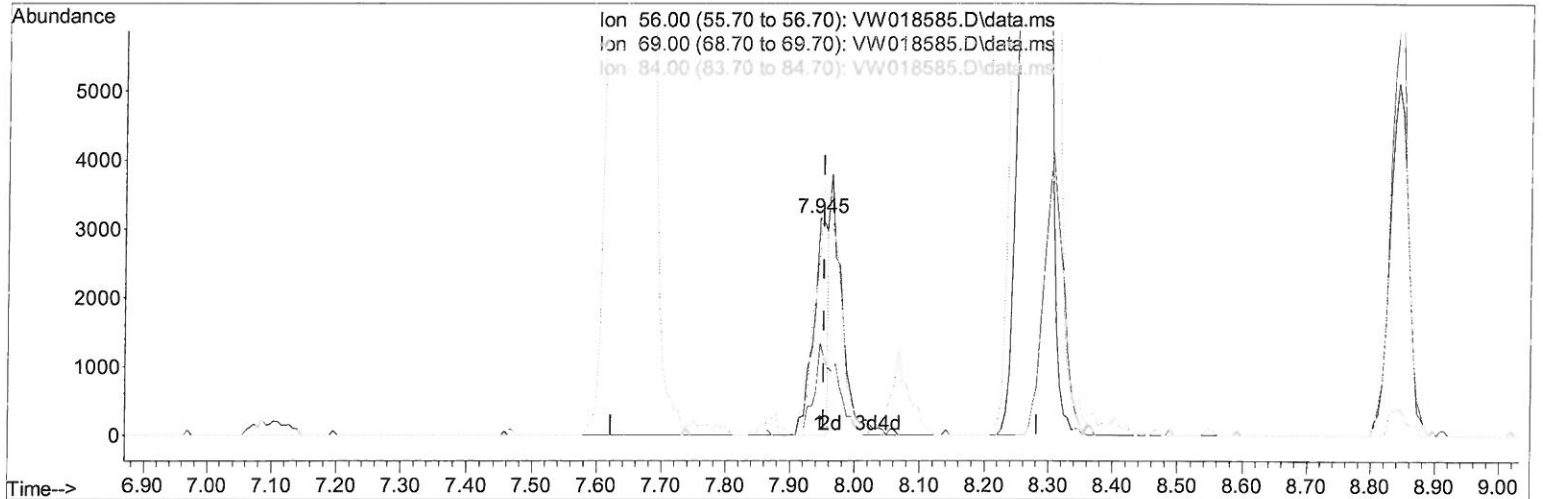
Ion	Exp%	Act%
43.00	100.00	100.00
72.00	33.00	8.67#
0.00	0.00	0.00
0.00	0.00	0.00

Handwritten: > MD
4/12/21

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
 Data File : VW018585.D
 Acq On : 07 Apr 2021 16:54
 Operator : SY/VA
 Sample : M1881-23RE
 Misc : 5.40G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 05:34:15 2021
 Response via : Initial Calibration



TIC: VW018585.D\data.ms

(30) Cyclohexane (T)

7.945min (-0.006) 0.67 ug/L

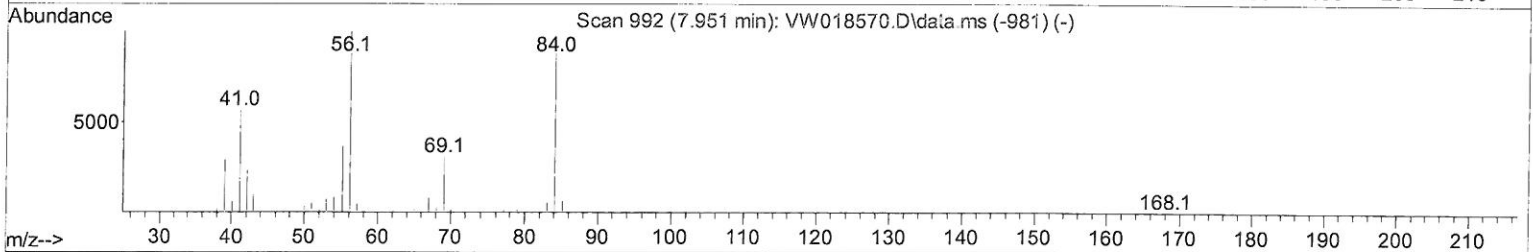
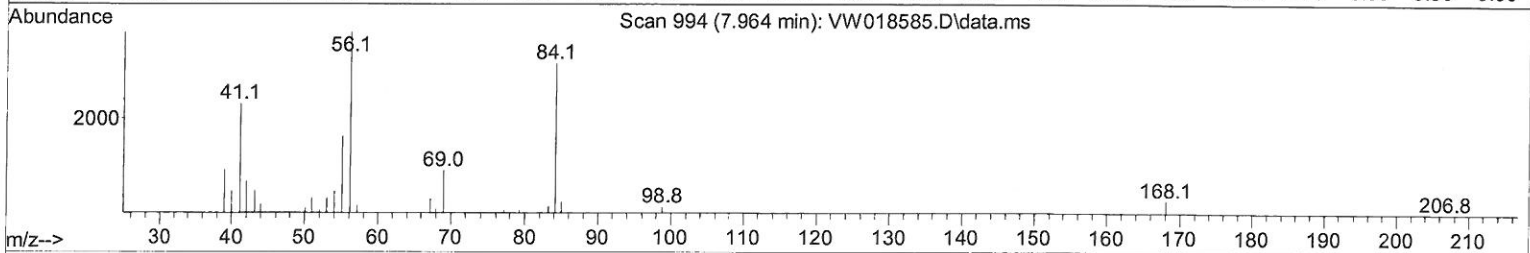
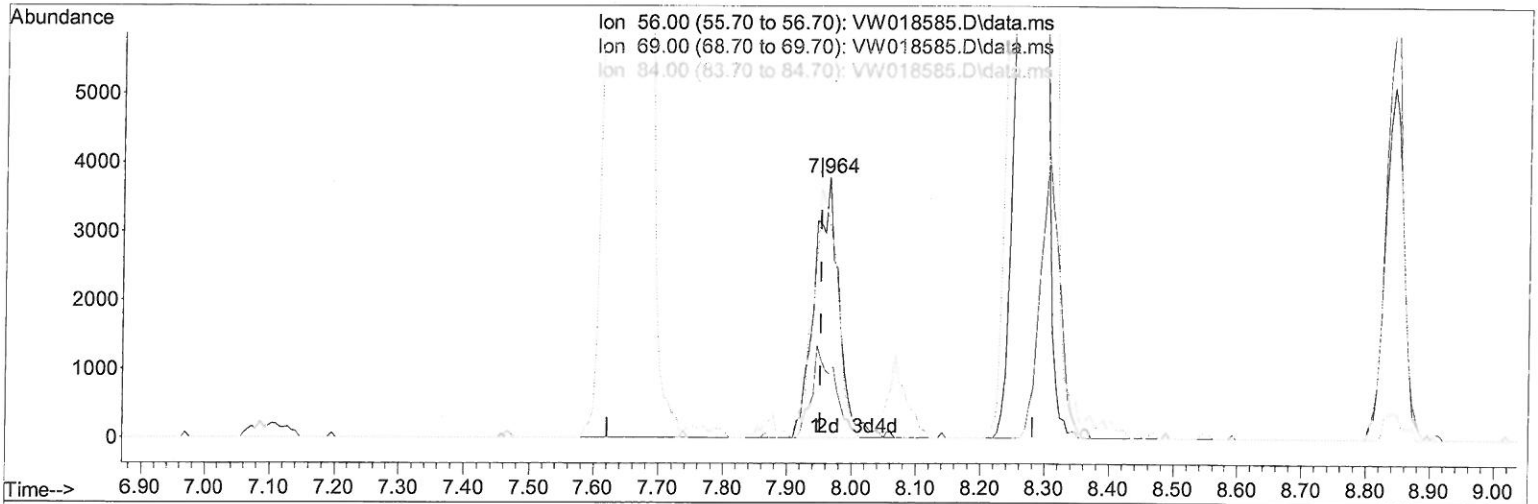
response 5061

Ion	Exp%	Act%
56.00	100.00	100.00
69.00	33.80	42.66#
84.00	99.90	189.94#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
 Data File : VW018585.D
 Acq On : 07 Apr 2021 16:54
 Operator : SY/VA
 Sample : M1881-23RE
 Misc : 5.40G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 05:34:15 2021
 Response via : Initial Calibration



TIC: VW018585.D\data.ms

(30) Cyclohexane (T)

7.964min (+ 0.012) 1.31 ug/L m

response 9848

Ion	Exp%	Act%
56.00	100.00	100.00
69.00	33.80	21.92#
84.00	99.90	97.61
0.00	0.00	0.00

> md
4/12/21

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
 Data File : VW018585.D
 Acq On : 07 Apr 2021 16:54
 Operator : SY/VA
 Sample : M1881-23RE
 Misc : 5.40G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 05:34:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	411280	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	317535	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	97341	25.00	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	2.361	65	124617	21.77	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	=	87.08%	
7) Chloroethane-d5	2.891	69	100584	20.08	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	=	80.32%	
10) 1,1-Dichloroethene-d2	4.019	63	147881	14.96	ug/L	0.00
Spiked Amount	25.000	Range 45 - 110	Recovery	=	59.84%	
20) 2-Butanone-d5	7.086	46	53916	42.31	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	=	84.62%	
24) Chloroform-d	7.653	84	218523	20.86	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery	=	83.44%	
26) 1,2-Dichloroethane-d4	8.305	65	141168	23.09	ug/L	0.00
Spiked Amount	25.000	Range 70 - 130	Recovery	=	92.36%	
29) Benzene-d6	8.274	84	406795	24.10	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery	=	96.40%	
33) 1,2-Dichloropropane-d6	9.274	67	122787	25.22	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery	=	100.88%	
37) Toluene-d8	10.323	98	352651	21.70	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery	=	86.80%	
38) trans-1,3-Dichloroprop...	10.579	79	49119	19.56	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery	=	78.24%	
39) 2-Hexanone-d5	10.926	63	43607	45.76	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	=	91.52%	
48) 1,1,2,2-Tetrachloroeth...	12.694	84	109184	25.07	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery	=	100.28%	
61) 1,2-Dichlorobenzene-d4	13.853	152	63421	18.33	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery	=	73.32%#	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.007	85	6602	1.40	ug/L 94
3) Chloromethane	2.215	50	9770	1.64	ug/L 94
5) Vinyl chloride	2.367	62	14999	1.92	ug/L # 81
6) Bromomethane	2.788	94	9577	1.70	ug/L 100
8) Chloroethane	2.928	64	9164	1.88	ug/L 98
9) Trichlorofluoromethane	3.269	101	5507	1.40	ug/L 96
11) 1,1,2-Trichloro-1,2,2-...	4.074	101	9569m	1.89	ug/L
12) 1,1-Dichloroethene	4.050	96	10403	2.02	ug/L # 1
13) Acetone	4.135	43	6103m	6.67	ug/L
14) Carbon disulfide	4.397	76	22206m	1.43	ug/L
15) Methyl Acetate	4.684	43	4647m	2.22	ug/L
16) Methylene chloride	4.915	84	17798	2.64	ug/L 93
17) Methyl tert-butyl Ether	5.421	73	15883	2.11	ug/L # 92
18) trans-1,2-Dichloroethene	5.434	96	10369m	1.82	ug/L
19) 1,1-Dichloroethane	6.214	63	17740	1.82	ug/L 96
21) 2-Butanone	7.165	43	16578m	11.40	ug/L
22) cis-1,2-Dichloroethene	7.165	96	10987	1.83	ug/L 87
23) Bromochloromethane	7.519	128	5435	2.05	ug/L 95

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4/12/21

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW040721\
 Data File : VW018585.D
 Acq On : 07 Apr 2021 16:54
 Operator : SY/VA
 Sample : M1881-23RE
 Misc : 5.40G/10ML/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Apr 08 05:37:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Apr 08 05:34:15 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	7.671	83	20142	1.95	ug/L	78
27) 1,2-Dichloroethane	8.403	62	14368	1.96	ug/L	99
30) Cyclohexane	7.964	56	9848m	1.31	ug/L	
31) 1,1,1-Trichloroethane	7.872	97	14319	2.02	ug/L	96
32) Carbon tetrachloride	8.073	117	11897	1.80	ug/L	98
34) Benzene	8.323	78	40219	2.19	ug/L	100
35) Trichloroethene	9.091	95	10356	2.04	ug/L	97
36) Methylcyclohexane	9.335	83	7404	0.83	ug/L	92
40) 1,2-Dichloropropane	9.366	63	10016	2.23	ug/L	98
41) Bromodichloromethane	9.646	83	12875	2.02	ug/L	98
42) cis-1,3-Dichloropropene	10.073	75	14133	1.86	ug/L	98
43) 4-Methyl-2-pentanone	10.213	43	13488	4.99	ug/L	93
44) Toluene	10.390	91	45828	2.19	ug/L	94
45) trans-1,3-Dichloropropene	10.603	75	14747	2.16	ug/L	96
46) 1,1,2-Trichloroethane	10.786	97	9247	2.58	ug/L	91
47) Tetrachloroethene	10.859	164	5818	1.51	ug/L	95
49) 2-Hexanone	10.963	43	15410	8.05	ug/L #	76
50) Dibromochloromethane	11.128	129	8520	2.01	ug/L	96
51) 1,2-Dibromoethane	11.237	107	8040	2.26	ug/L	99
52) Chlorobenzene	11.658	112	23496	1.77	ug/L	94
53) Ethylbenzene	11.731	91	37746	1.60	ug/L	100
54) m,p-Xylene	11.835	106	12840	1.43	ug/L	99
55) o-xylene	12.164	106	13055	1.52	ug/L	86
56) Styrene	12.182	104	18403	1.26	ug/L	95
57) Isopropylbenzene	12.463	105	28286	1.21	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.713	83	10984	2.53	ug/L	95
59) 1,2,3-Trichloropropane	12.768	75	8300	2.53	ug/L	97
62) Bromoform	12.347	173	4109	2.75	ug/L #	86
63) 1,3-Dichlorobenzene	13.499	146	9469	1.52	ug/L	96
64) 1,4-Dichlorobenzene	13.572	146	10300	1.64	ug/L	92
65) 1,2-Dichlorobenzene	13.871	146	9484	1.70	ug/L	99
66) 1,2-Dibromo-3-chloropr...	14.481	75	1455	2.89	ug/L #	68
67) 1,3,5-Trichlorobenzene	14.627	180	4698	1.05	ug/L	99
68) 1,2,4-trichlorobenzene	15.133	180	3552	0.93	ug/L #	94
69) Naphthalene	15.365	128	9528	1.20	ug/L	98
70) 1,2,3-Trichlorobenzene	15.548	180	2518	0.75	ug/L	94

7 MD
4/12/21

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