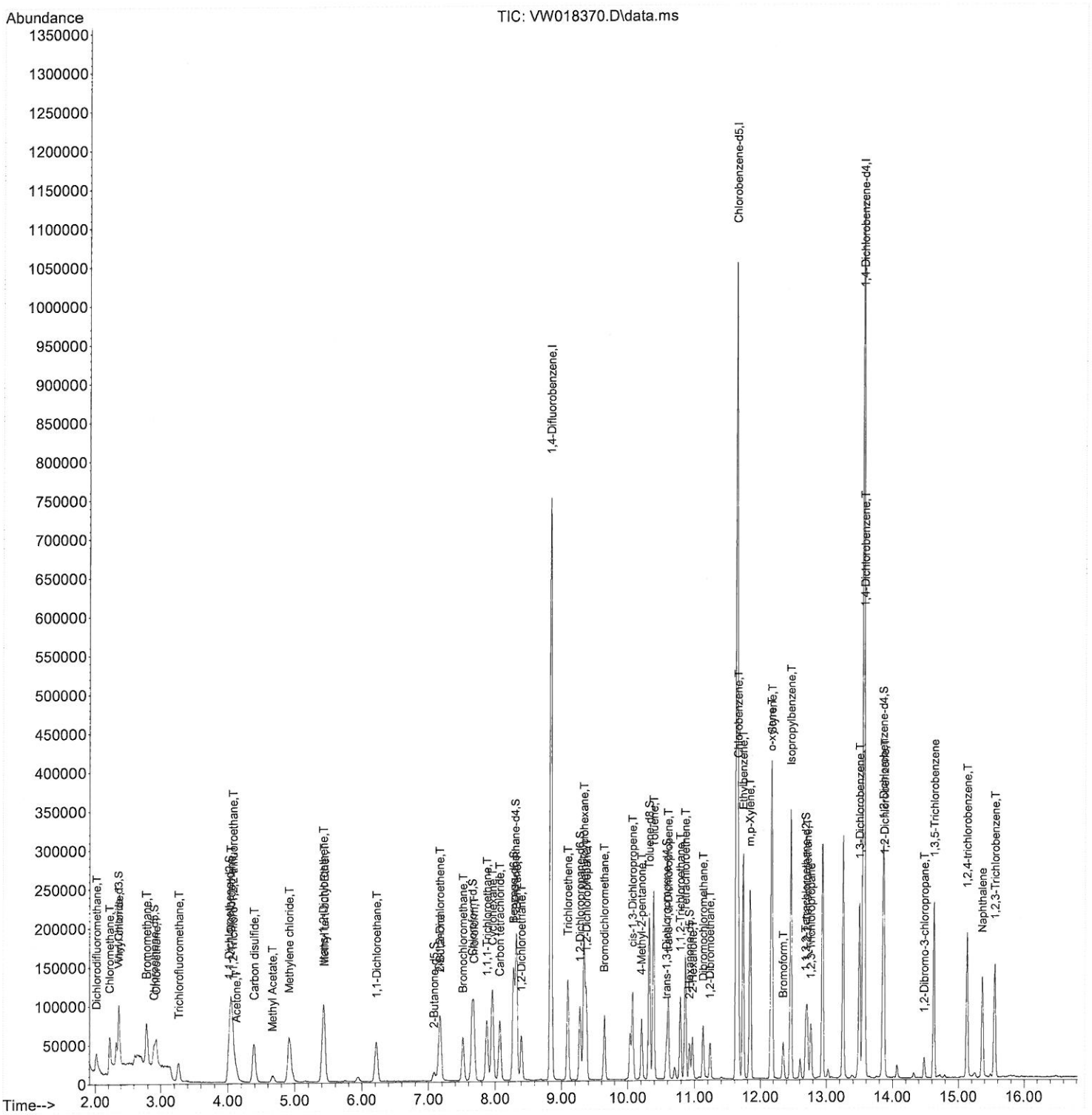
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
Data File : VW018370.D
Acq On : 18 Mar 2021 16:01
Operator : SY/VA
Sample : VSTD00502
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 18 16:59:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 18 16:58:04 2021
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

Manual Integrations APPROVED
MMDadoda
3/19/2021 3:33:00 PM



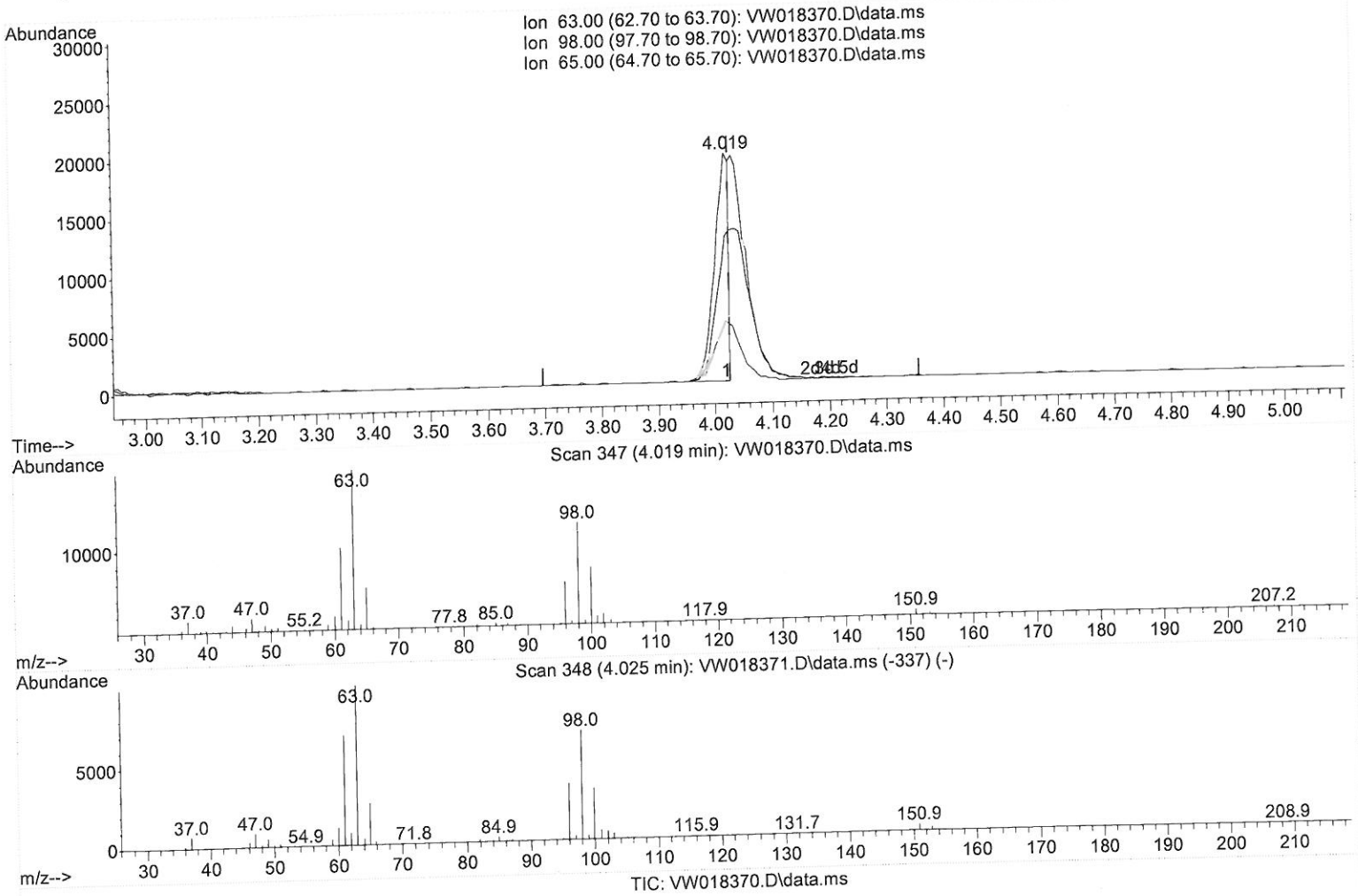
Quantitation Report (Qedit)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
Data File : VW018370.D
Acq On : 18 Mar 2021 16:01
Operator : SY/VA
Sample : VSTD00502
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 18 16:59:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 18 16:58:04 2021
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

Manual Integrations APPROVED
MMDadoda
3/19/2021 3:33:00 PM



(10) 1,1-Dichloroethene-d2 (S)

4.019min (-0.006) 2.18 ug/L

response 34259

Ion	Exp%	Act%
63.00	100.00	100.00
98.00	75.50	151.22#
65.00	23.50	47.02#
0.00	0.00	0.00

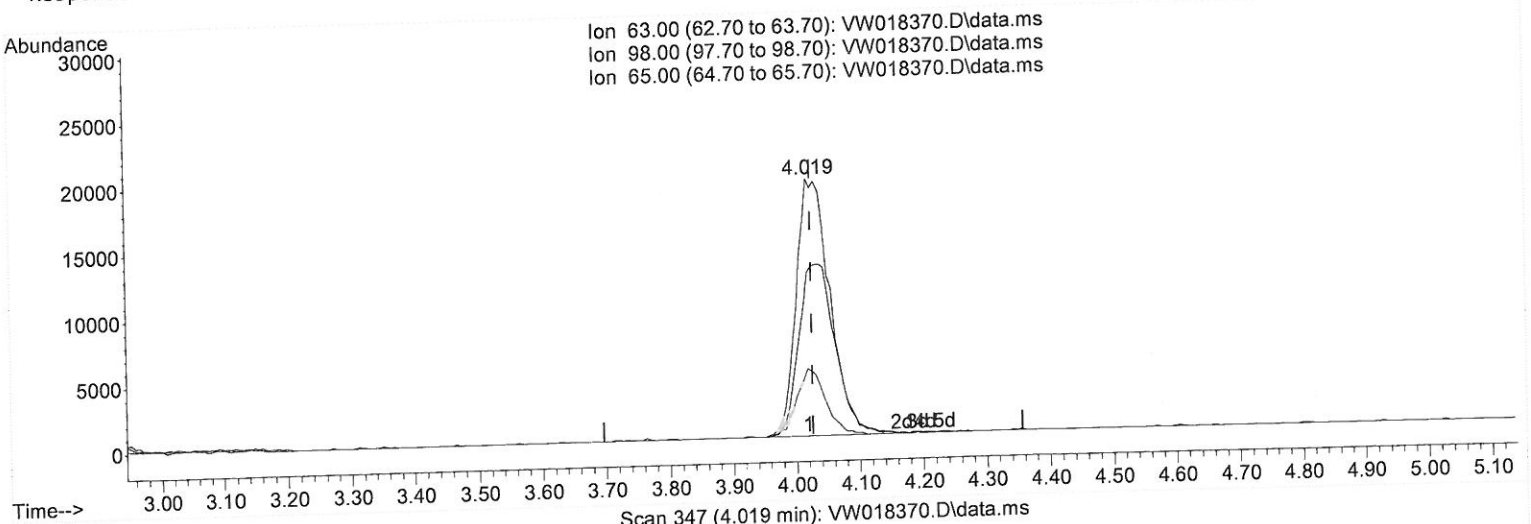
Quantitation Report (Qedit)

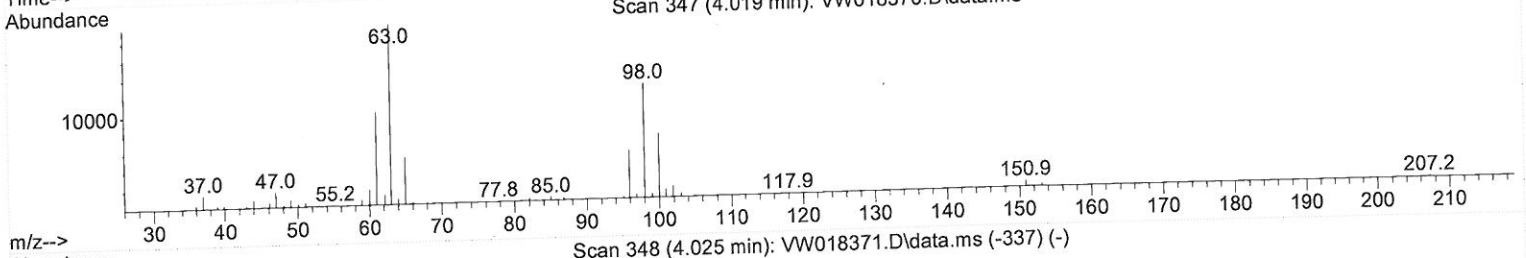
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
Data File : VW018370.D
Acq On : 18 Mar 2021 16:01
Operator : SY/VA
Sample : VSTD00502
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

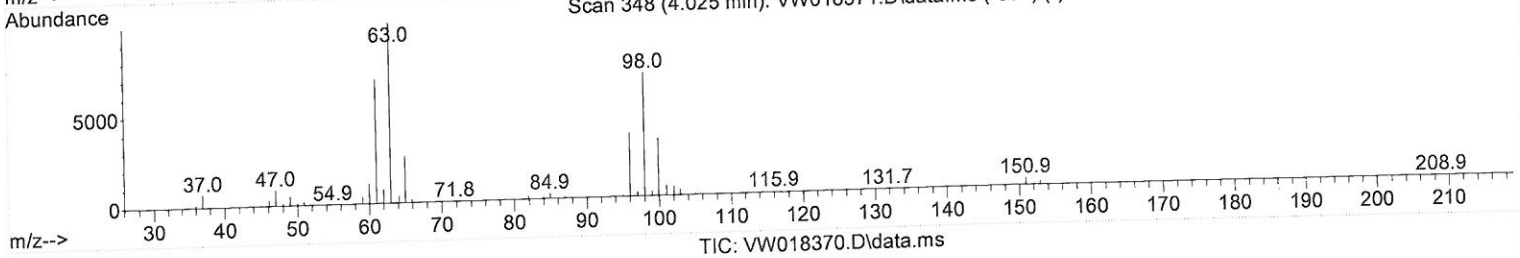
Quant Time: Mar 18 16:59:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 18 16:58:04 2021
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

Manual Integrations APPROVED
MMDadoda
3/19/2021 3:33:00 PM







TIC: VW018370.D\data.ms

(10) 1,1-Dichloroethene-d2 (S)

4.019min (-0.006) 4.58 ug/L m

response 71771

Ion	Exp%	Act%
63.00	100.00	100.00
98.00	75.50	72.18
65.00	23.50	22.45
0.00	0.00	0.00

JMD 3/30/21

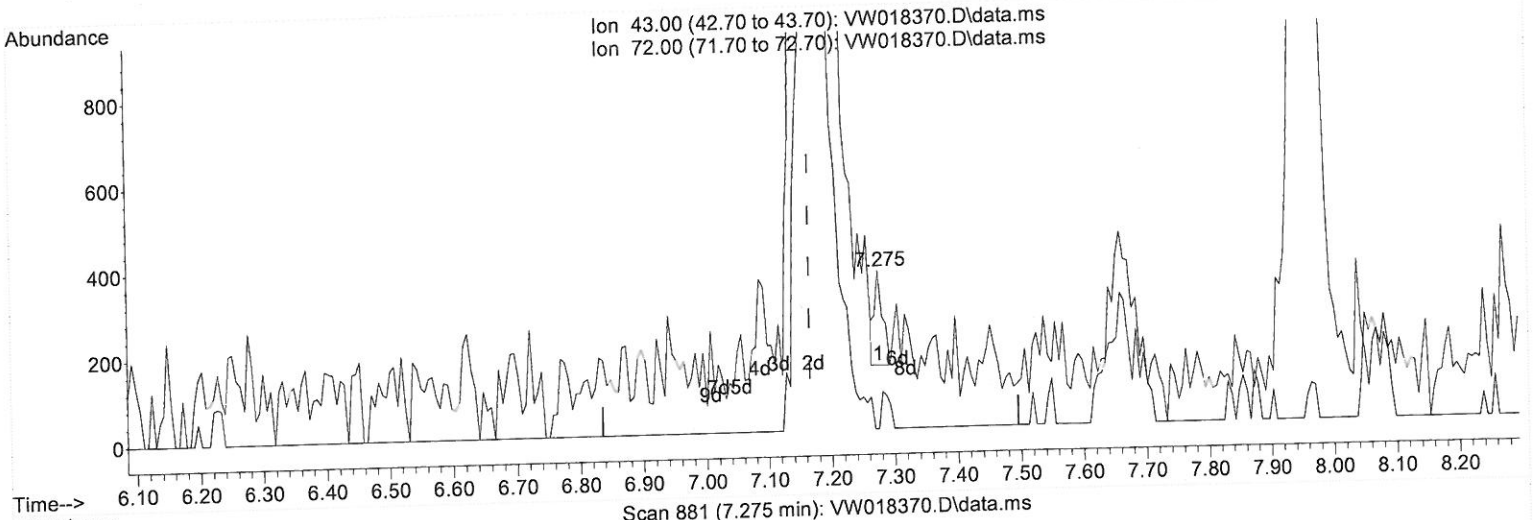
Quantitation Report (Qedit)

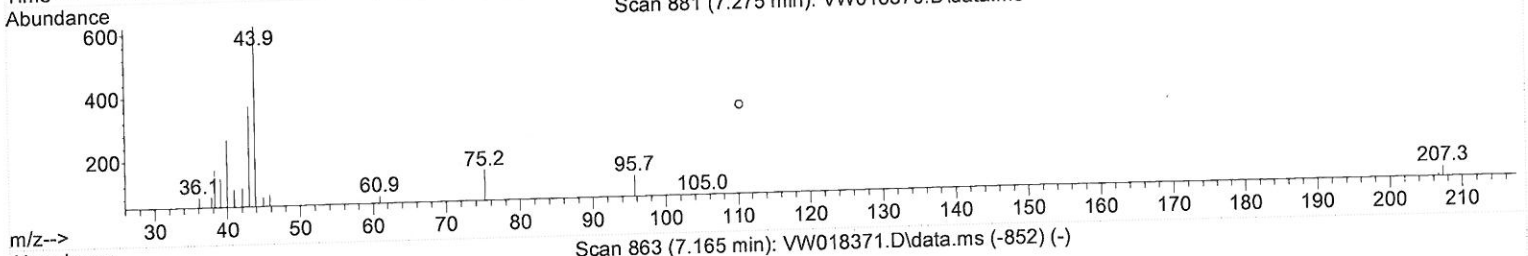
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
Data File : VW018370.D
Acq On : 18 Mar 2021 16:01
Operator : SY/VA
Sample : VSTD00502
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 18 16:59:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 18 16:58:04 2021
Response via : Initial Calibration

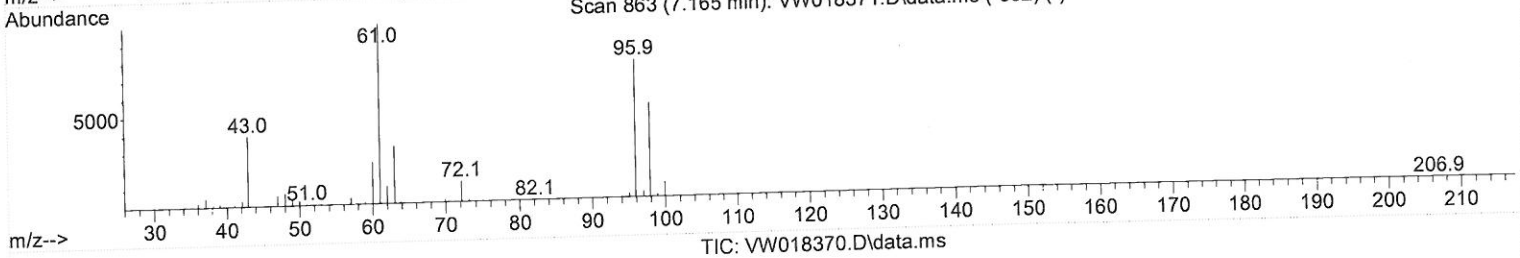
Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

Manual Integrations APPROVED
MMDadoda
3/19/2021 3:33:00 PM





Scan 881 (7.275 min): VW018370.D\data.ms



Scan 863 (7.165 min): VW018371.D\data.ms (-852) (-)

TIC: VW018370.D\data.ms

(21) 2-Butanone

7.275min (+ 0.110) 0.11 ug/L

response 199

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	33.00	40.20
0.00	0.00	0.00
0.00	0.00	0.00

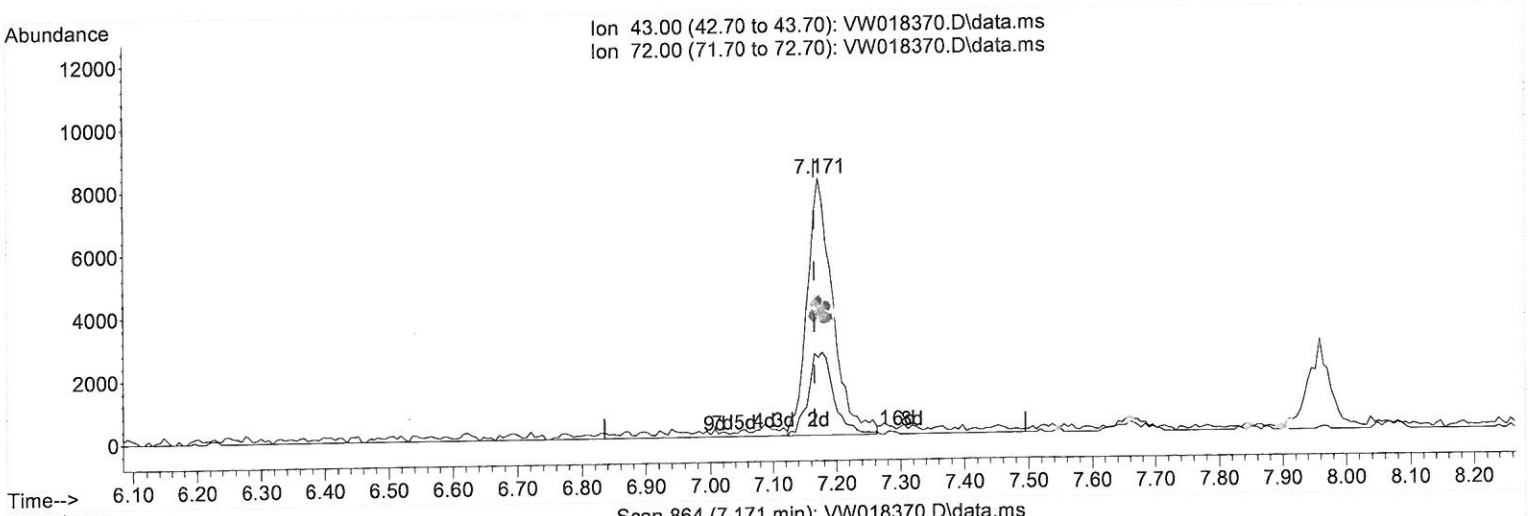
Quantitation Report (Qedit)

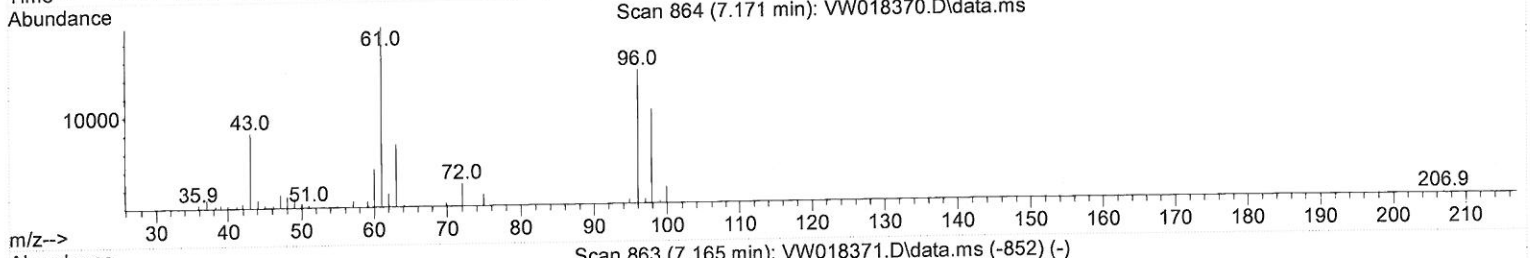
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
Data File : VW018370.D
Acq On : 18 Mar 2021 16:01
Operator : SY/VA
Sample : VSTD00502
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

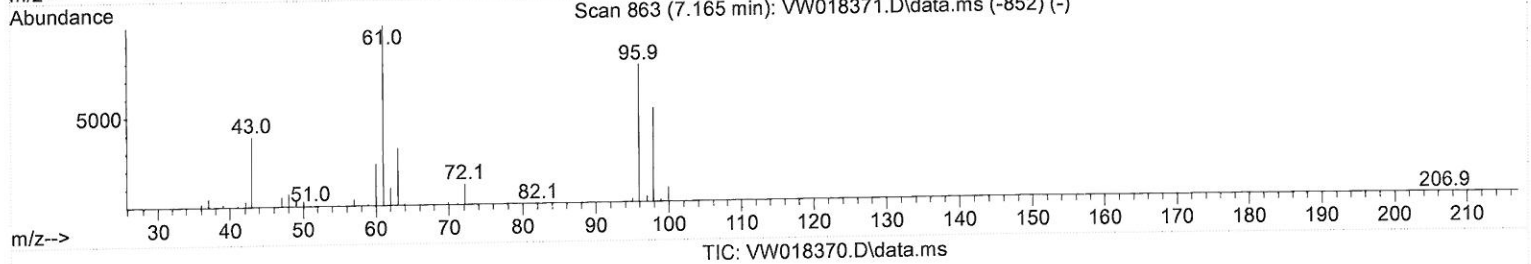
Quant Time: Mar 18 16:59:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 18 16:58:04 2021
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampleId :
VSTD00502

Manual Integrations APPROVED
MMDadoda
3/19/2021 3:33:00 PM







TIC: VW018370.D\data.ms

(21) 2-Butanone

7.171min (+ 0.006) 12.26 ug/L m

response 22750

Ion	Exp%	Act%
43.00	100.00	100.00
72.00	33.00	0.35#
0.00	0.00	0.00
0.00	0.00	0.00

JMD 3/30/21

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
Data File : VW018370.D
Acq On : 18 Mar 2021 16:01
Operator : SY/VA
Sample : VSTD00502
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_W
ClientSampleId : VSTD00502

Manual Integrations APPROVED
MMDadoda
3/19/2021 3:33:00 PM

Quant Time: Mar 18 16:59:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 18 16:58:04 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Difluorobenzene	8.842	114	621601	25.00	ug/L		0.00
28) Chlorobenzene-d5	11.634	117	560866	25.00	ug/L		0.00
60) 1,4-Dichlorobenzene-d4	13.560	152	267489	25.00	ug/L		0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3	2.355	65	42504	5.88	ug/L		0.00
7) Chloroethane-d5	2.892	69	37605	6.34	ug/L		0.00
10) 1,1-Dichloroethene-d2	4.019	63	71771m	4.58	ug/L		0.00
20) 2-Butanone-d5	7.080	46	18347	10.76	ug/L		0.00
24) Chloroform-d	7.653	84	76054	4.52	ug/L		0.00
26) 1,2-Dichloroethane-d4	8.305	65	44355	4.69	ug/L		0.00
29) Benzene-d6	8.275	84	148532	4.92	ug/L		0.00
33) 1,2-Dichloropropane-d6	9.275	67	42506	5.03	ug/L		0.00
37) Toluene-d8	10.323	98	140650	4.83	ug/L		0.00
38) trans-1,3-Dichloroprop...	10.579	79	21464	5.03	ug/L		0.00
39) 2-Hexanone-d5	10.921	63	15970	10.84	ug/L		0.00
48) 1,1,2,2-Tetrachloroeth...	12.689	84	37870	5.15	ug/L		0.00
61) 1,2-Dichlorobenzene-d4	13.853	152	46266	4.66	ug/L		0.00
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.014	85	32971	3.99	ug/L		98
3) Chloromethane	2.215	50	41589	6.49	ug/L		95
5) Vinyl chloride	2.367	62	56765	6.02	ug/L		95
6) Bromomethane	2.782	94	41232	5.89	ug/L		100
8) Chloroethane	2.928	64	35503	6.42	ug/L		98
9) Trichlorofluoromethane	3.263	101	26068	3.69	ug/L		99
11) 1,1,2-Trichloro-1,2,2-...	4.074	101	35317	4.05	ug/L	#	82
12) 1,1-Dichloroethene	4.044	96	36955	4.52	ug/L		88
13) Acetone	4.123	43	15050	11.50	ug/L		99
14) Carbon disulfide	4.391	76	110873	4.64	ug/L		100
15) Methyl Acetate	4.666	43	15310	5.31	ug/L		100
16) Methylene chloride	4.916	84	52545	5.45	ug/L		90
17) Methyl tert-butyl Ether	5.434	73	54783	5.52	ug/L	#	88
18) trans-1,2-Dichloroethene	5.422	96	41897	4.81	ug/L		95
19) 1,1-Dichloroethane	6.220	63	71436	4.96	ug/L		97
21) 2-Butanone	7.171	43	22750m	12.26	ug/L		
22) cis-1,2-Dichloroethene	7.165	96	42691	4.67	ug/L		98
23) Bromochloromethane	7.513	128	19830	4.85	ug/L		94
25) Chloroform	7.677	83	75344	4.64	ug/L		99
27) 1,2-Dichloroethane	8.397	62	54389	4.93	ug/L		99
30) Cyclohexane	7.958	56	65652	5.32	ug/L		96
31) 1,1,1-Trichloroethane	7.872	97	60763	4.47	ug/L		96
32) Carbon tetrachloride	8.067	117	55682	4.26	ug/L		99
34) Benzene	8.330	78	160821	4.93	ug/L		100
35) Trichloroethene	9.092	95	43198	4.59	ug/L		98
36) Methylcyclohexane	9.335	83	78033	5.07	ug/L		97
40) 1,2-Dichloropropane	9.372	63	39963	5.23	ug/L		97
41) Bromodichloromethane	9.640	83	54114	4.62	ug/L		99
42) cis-1,3-Dichloropropene	10.073	75	65703	5.11	ug/L		95
43) 4-Methyl-2-pentanone	10.207	43	47411	11.50	ug/L		97
44) Toluene	10.390	91	178311	4.89	ug/L		99
45) trans-1,3-Dichloropropene	10.604	75	57797	4.98	ug/L		99

MD 3/30/21

MD 3/30/21

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW031921\
Data File : VW018370.D
Acq On : 18 Mar 2021 16:01
Operator : SY/VA
Sample : VSTD00502
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 18 16:59:18 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SOM2WLM031921S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 18 16:58:04 2021
Response via : Initial Calibration

Instrument : MSVOA_W
ClientSampleId : VSTD00502

Manual Integrations APPROVED
MMDadoda
3/19/2021 3:33:00 PM

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1,2-Trichloroethane	10.786	97	30590	4.86	ug/L		92
47) Tetrachloroethene	10.860	164	32945	4.66	ug/L		93
49) 2-Hexanone	10.969	43	33035	11.54	ug/L		97
50) Dibromochloromethane	11.128	129	35169	4.62	ug/L		93
51) 1,2-Dibromoethane	11.232	107	30486	4.91	ug/L	#	94
52) Chlorobenzene	11.652	112	111916	4.74	ug/L		98
53) Ethylbenzene	11.731	91	200287	4.80	ug/L		99
54) m,p-Xylene	11.835	106	75499	4.75	ug/L		99
55) o-xylene	12.164	106	72312	4.84	ug/L		98
56) Styrene	12.176	104	118901	4.65	ug/L		99
57) Isopropylbenzene	12.463	105	195535	4.67	ug/L		97
58) 1,1,2,2-Tetrachloroethane	12.713	83	37417	5.08	ug/L		91
59) 1,2,3-Trichloropropane	12.768	75	28212	5.06	ug/L		90
62) Bromoform	12.347	173	19449	4.86	ug/L		97
63) 1,3-Dichlorobenzene	13.499	146	85503	4.84	ug/L		98
64) 1,4-Dichlorobenzene	13.573	146	86464	4.91	ug/L		92
65) 1,2-Dichlorobenzene	13.871	146	76117	4.74	ug/L		96
66) 1,2-Dibromo-3-chloropr...	14.481	75	6977	5.37	ug/L		86
67) 1,3,5-Trichlorobenzene	14.627	180	63034	4.90	ug/L		96
68) 1,2,4-trichlorobenzene	15.127	180	54118	5.08	ug/L		94
69) Naphthalene	15.359	128	109716	5.12	ug/L		99
70) 1,2,3-Trichlorobenzene	15.554	180	45562	4.86	ug/L		99

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