Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\

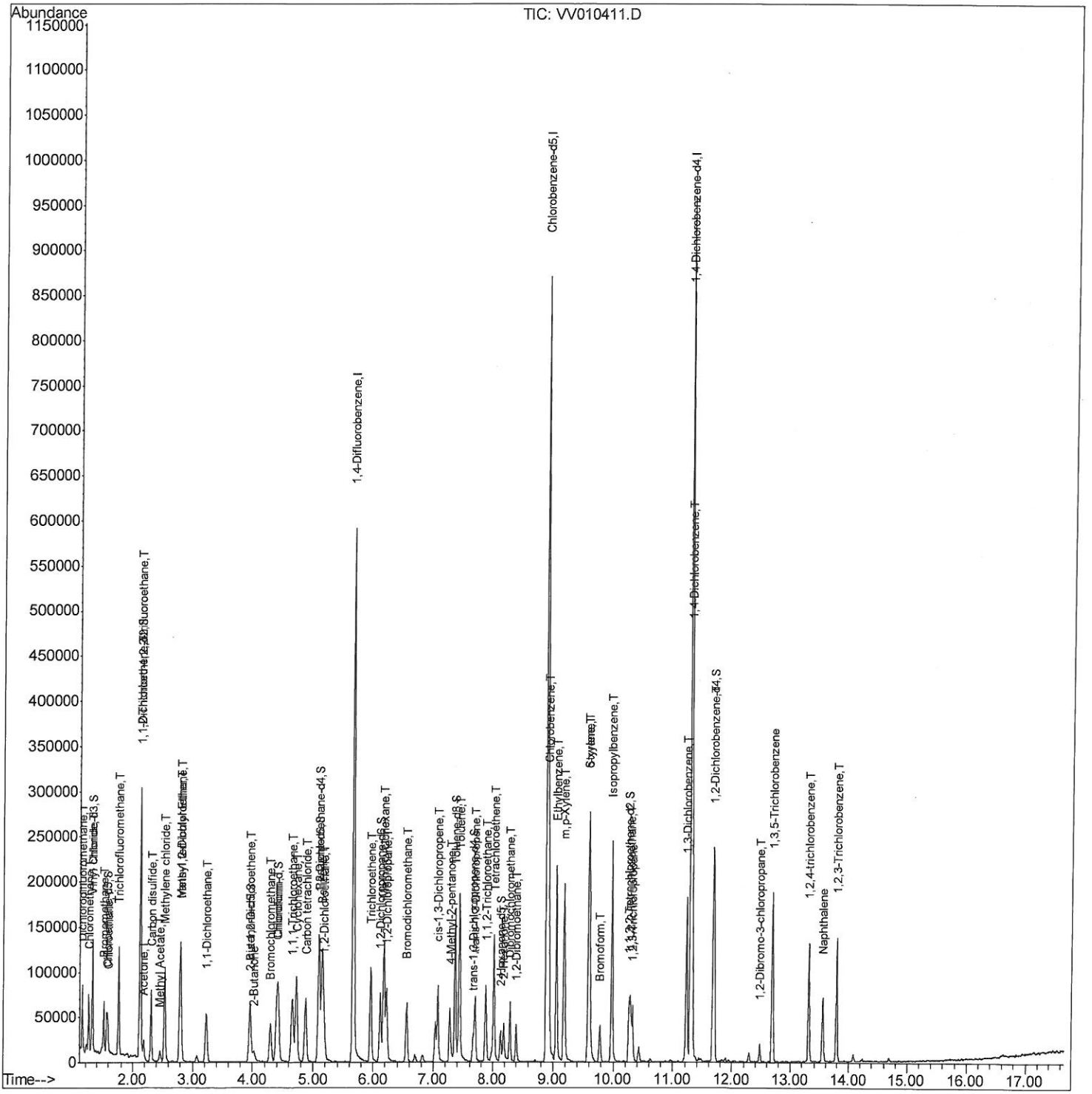
Quantitation Report (QT Reviewed)

Data File : VV010411.D
Acq On : 22 Apr 2019 13:07
Operator : SY/MD
Sample : VSTD00578
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 22 14:10:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 22 14:00:39 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD00578

Manual Integrations APPROVED
MMDadoda
4/25/2019 9:20:39 AM



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\

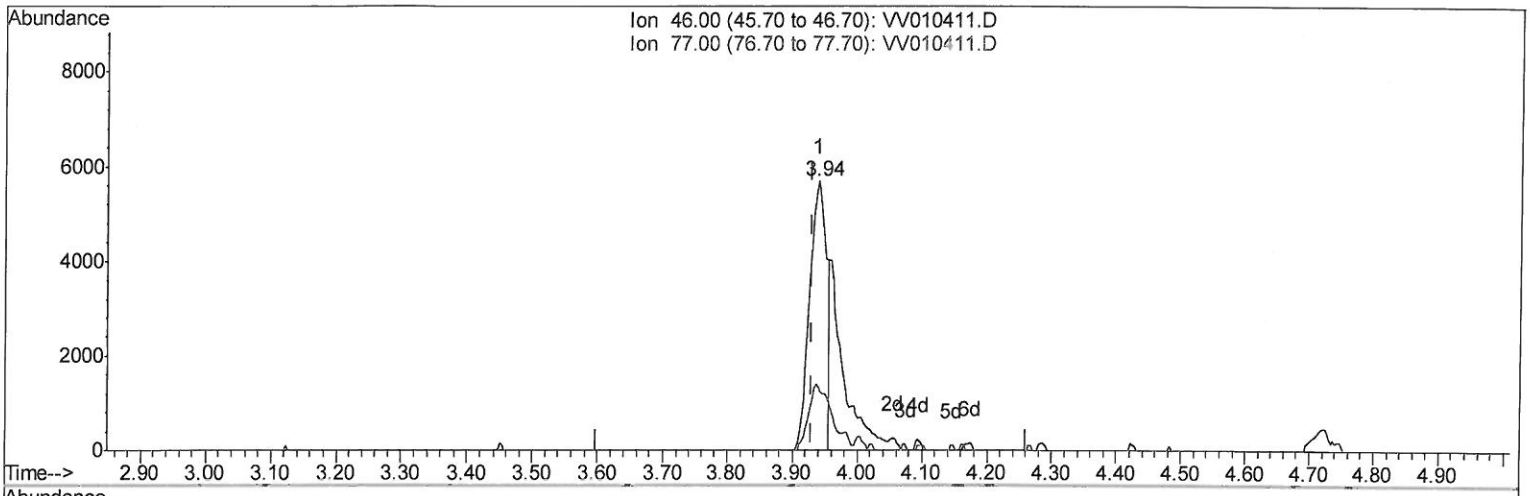
Quantitation Report (Qedit)

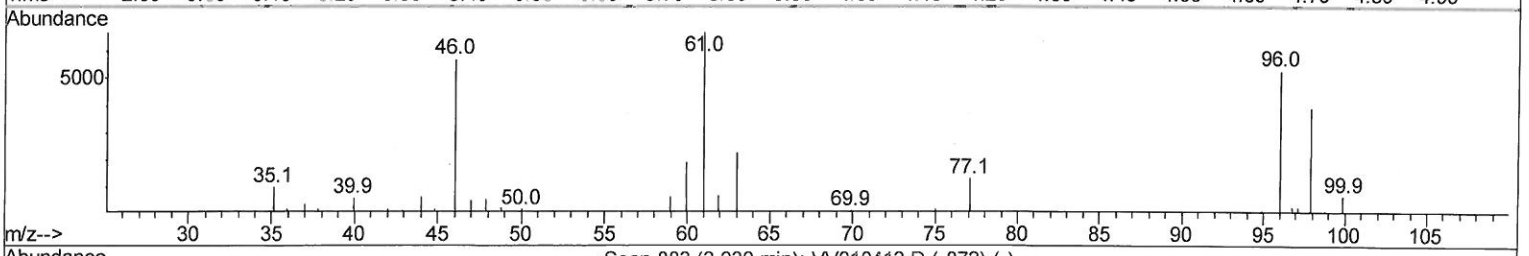
Data File : VV010411.D
Acq On : 22 Apr 2019 13:07
Operator : SY/MD
Sample : VSTD00578
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

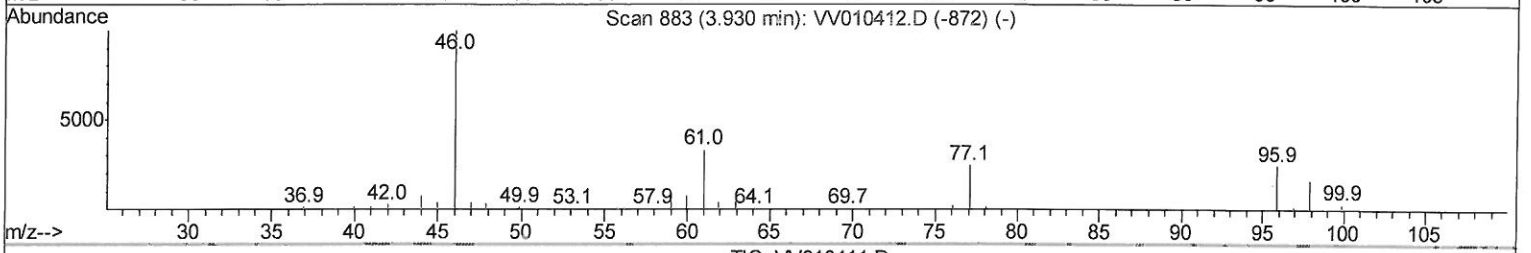
Quant Time: Apr 22 14:04:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 22 14:00:39 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD00578

Manual Integrations APPROVED
MMDadoda
4/25/2019 9:20:39 AM







TIC: VV010411.D

(20) 2-Butanone-d5 (S)

3.939min (+0.010) 5.23ug/L

response 10399

Ion	Exp%	Act%
46.00	100	100
77.00	23.90	21.00
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\

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Quant Title : VOC Analysis
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Instrument :
MSVOA_V
ClientSampleId :
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Manual Integrations APPROVED
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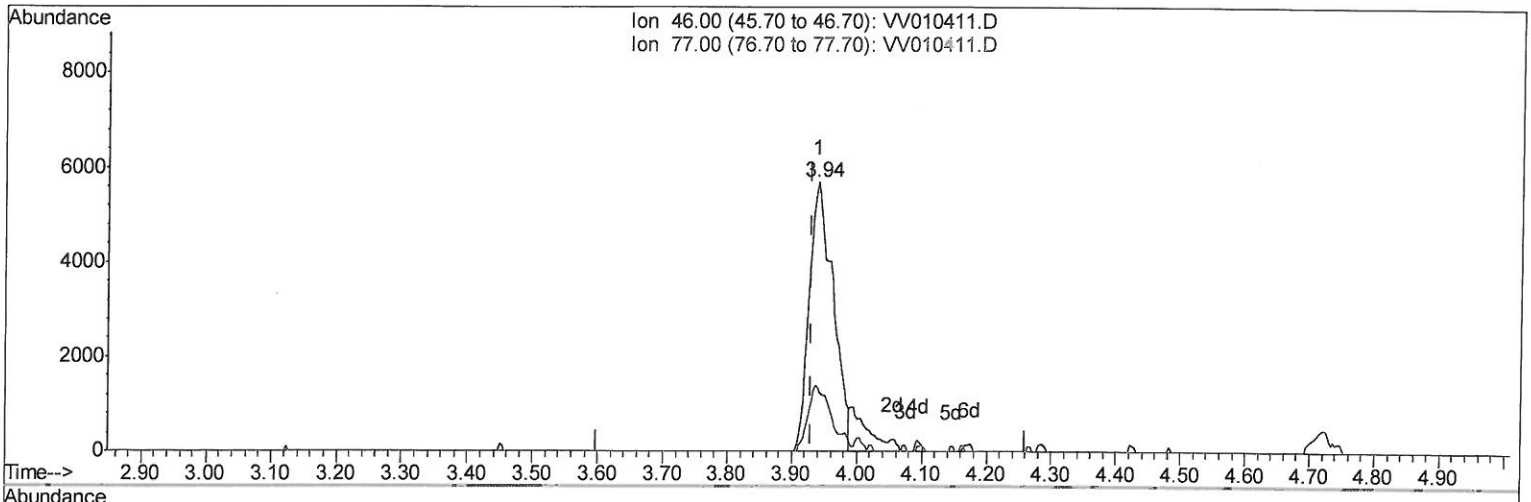
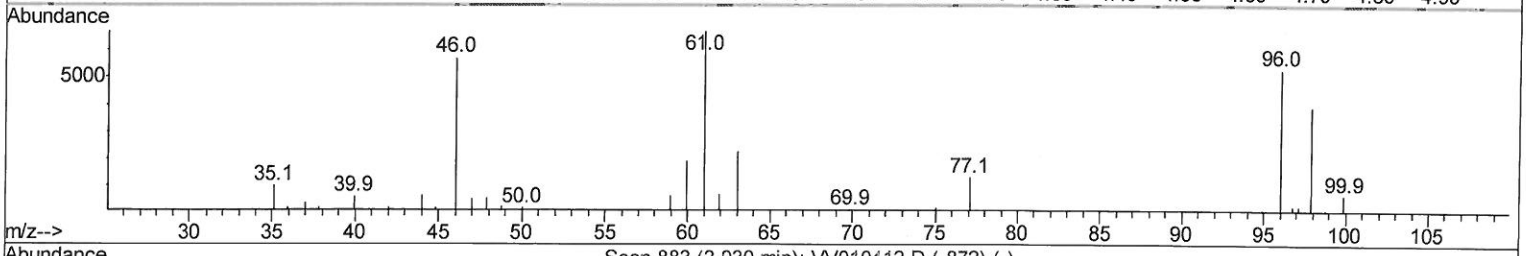
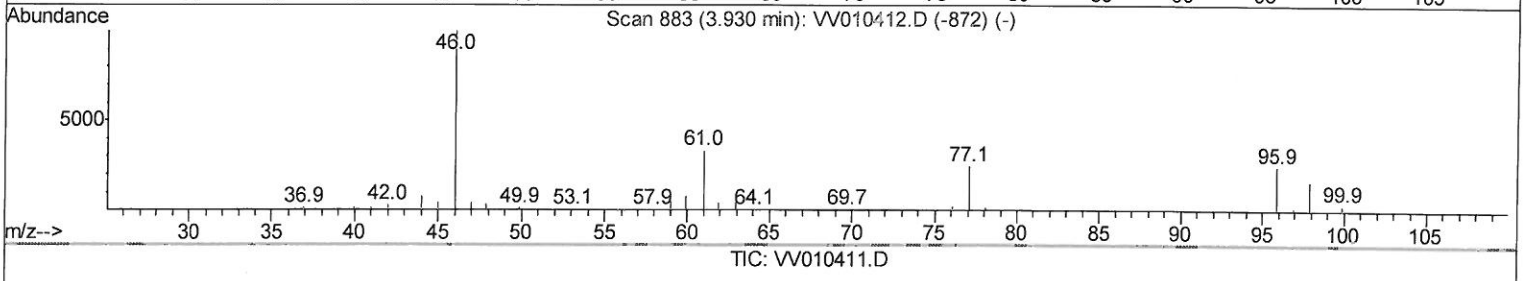






TIC: VV010411.D

(20) 2-Butanone-d5 (S)

3.939min (+0.010) 7.36ug/L m >04/28/19 SY

response 14621

Ion	Exp%	Act%
46.00	100	100
77.00	23.90	14.94#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\

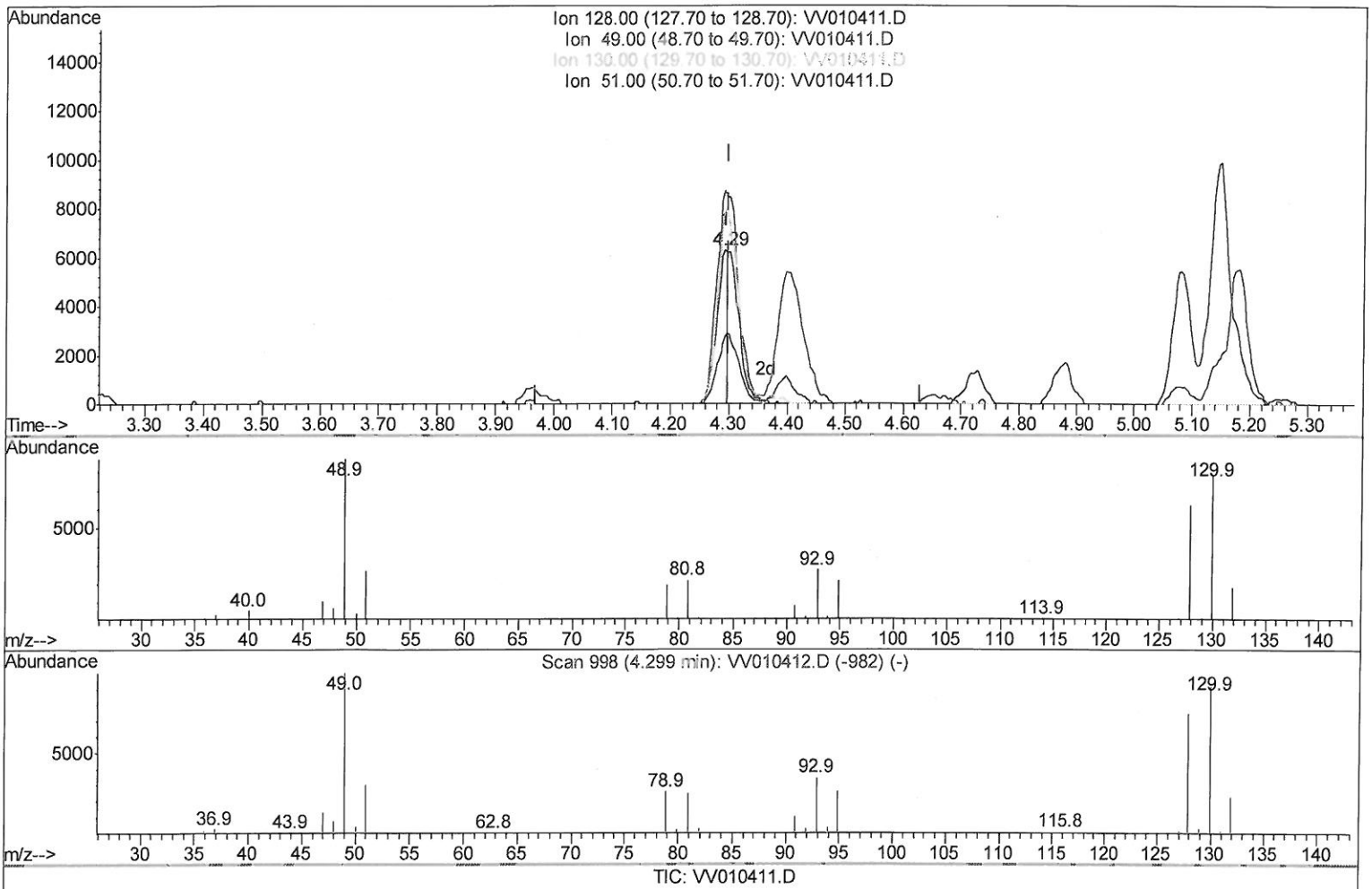
Quantitation Report (Qedit)

Data File : VV010411.D
Acq On : 22 Apr 2019 13:07
Operator : SY/MD
Sample : VSTD00578
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 22 14:04:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM042219S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 22 14:00:39 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VSTD00578

Manual Integrations APPROVED
MMDadoda
4/25/2019 9:20:39 AM



TIC: VV010411.D

(23) Bromochloromethane (T)

4.293min (-0.006) 2.21ug/L

response 7813

Ion	Exp%	Act%
128.00	100	100
49.00	133.90	138.97
130.00	122.70	125.50
51.00	40.30	43.54

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042219\

Quantitation Report (Qedit)

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Quant Title : VOC Analysis
QLast Update : Mon Apr 22 14:00:39 2019
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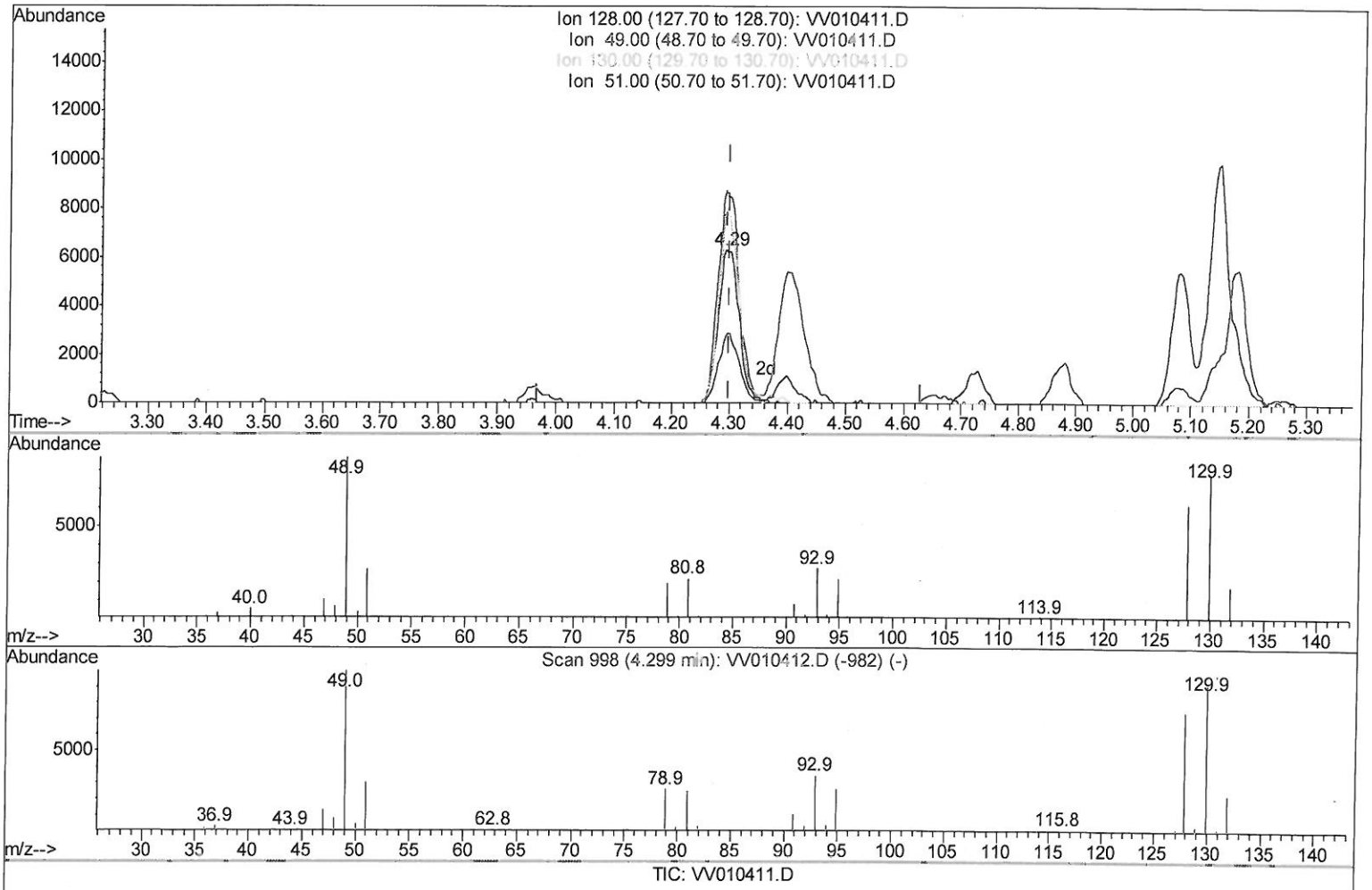
Instrument :
MSVOA_V
ClientSampleId :
VSTD00578

Manual Integrations APPROVED
MMDadoda
4/25/2019 9:20:39 AM



TIC: VV010411.D

(23) Bromochloromethane (T)

4.293min (-0.006) 4.53ug/L m

response 15980

Ion	Exp%	Act%
128.00	100	100
49.00	133.90	138.97
130.00	122.70	125.50
51.00	40.30	43.54

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Quantitation Report (QT Reviewed)

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Misc : 5.00G/10mL/MSVOA_V/SOIL
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Quant Time: Apr 22 14:10:21 2019
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Instrument : MSVOA_V
ClientSampleId : VSTD00578

Manual Integrations APPROVED
MMDadoda
4/25/2019 9:20:39 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	502323	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	483979	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	245836	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	38704	6.07	ug/L	0.00
7) Chloroethane-d5	1.57	69	29921	5.58	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.12	63	73276	4.76	ug/L	0.00
20) 2-Butanone-d5	3.94	46	14621m	7.36	ug/L	0.00
24) Chloroform-d	4.40	84	61405	4.65	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	39019	5.01	ug/L	0.00
29) Benzene-d6	5.10	84	117966	4.76	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.11	67	33966	4.68	ug/L	0.00
37) Toluene-d8	7.36	98	117441	4.93	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	14908	4.18	ug/L	0.00
39) 2-Hexanone-d5	8.13	63	11254	6.97	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	29274	4.04	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	46060	4.77	ug/L	0.00
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.14	85	42073	5.522	ug/L	99
3) Chloromethane	1.25	50	34656	5.234	ug/L	99
5) Vinyl chloride	1.32	62	41373	5.981	ug/L	98
6) Bromomethane	1.51	94	19490	4.405	ug/L	98
8) Chloroethane	1.59	64	23686	5.372	ug/L	100
9) Trichlorofluoromethane	1.76	101	68478	4.820	ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	39447	5.271	ug/L	96
12) 1,1-Dichloroethene	2.13	96	34847	5.340	ug/L	94
13) Acetone	2.19	43	20032	9.556	ug/L	97
14) Carbon disulfide	2.31	76	79635	4.947	ug/L	96
15) Methyl Acetate	2.46	43	12741	3.723	ug/L	94
16) Methylene chloride	2.53	84	41547	5.178	ug/L	95
17) Methyl tert-butyl Ether	2.80	73	77491	4.931	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	30556	4.936	ug/L	95
19) 1,1-Dichloroethane	3.23	63	52641	4.978	ug/L	98
21) 2-Butanone	4.02	43	17792	7.829	ug/L	91
22) cis-1,2-Dichloroethene	3.96	96	32485	4.607	ug/L	95
23) Bromochloromethane	4.29	128	15980m	4.528	ug/L	
25) Chloroform	4.42	83	63730	5.172	ug/L	99
27) 1,2-Dichloroethane	5.18	62	43963	4.993	ug/L	99
30) Cyclohexane	4.72	56	49632	5.595	ug/L #	89
31) 1,1,1-Trichloroethane	4.66	97	55498	5.201	ug/L	98
32) Carbon tetrachloride	4.87	117	51929	5.158	ug/L	98
34) Benzene	5.14	78	120527	5.103	ug/L	100
35) Trichloroethene	5.96	95	35476	5.077	ug/L	98
36) Methylcyclohexane	6.17	83	54269	5.334	ug/L	99
40) 1,2-Dichloropropane	6.22	63	27281	4.504	ug/L #	97
41) Bromodichloromethane	6.55	83	42818	5.037	ug/L	96
42) cis-1,3-Dichloropropene	7.07	75	43360	4.746	ug/L	95
43) 4-Methyl-2-pentanone	7.27	43	40487	8.555	ug/L	96

07/28/19 SY

04/28/19 SY

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Quant Title : VOC Analysis
QLast Update : Mon Apr 22 14:00:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
44) Toluene	7.43	91	132339	4.970 ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	38116	4.475 ug/L	97
46) 1,1,2-Trichloroethane	7.88	97	23951	4.389 ug/L	95
47) Tetrachloroethene	8.02	164	30609	4.909 ug/L	93
49) 2-Hexanone	8.18	43	25760	7.776 ug/L	93
50) Dibromochloromethane	8.29	129	30790	4.595 ug/L	96
51) 1,2-Dibromoethane	8.40	107	25827	4.772 ug/L	99
52) Chlorobenzene	8.93	112	92702	5.004 ug/L	95
53) Ethylbenzene	9.05	91	154707	5.114 ug/L	99
54) m,p-Xylene	9.18	106	57427	4.904 ug/L	95
55) o-xylene	9.59	106	59219	5.244 ug/L	96
56) Styrene	9.60	104	92431	4.793 ug/L	98
57) Isopropylbenzene	9.97	105	154582	5.137 ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	29262	4.147 ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	22611	4.425 ug/L	98
62) Bromoform	9.78	173	17350	4.565 ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	74698	4.982 ug/L	95
64) 1,4-Dichlorobenzene	11.32	146	76969	4.979 ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	70063	4.840 ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	4545	3.929 ug/L	89
67) 1,3,5-Trichlorobenzene	12.69	180	57440	4.606 ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	39505	3.964 ug/L	98
69) Naphthalene	13.55	128	56263	3.057 ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	36920	3.813 ug/L	97

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