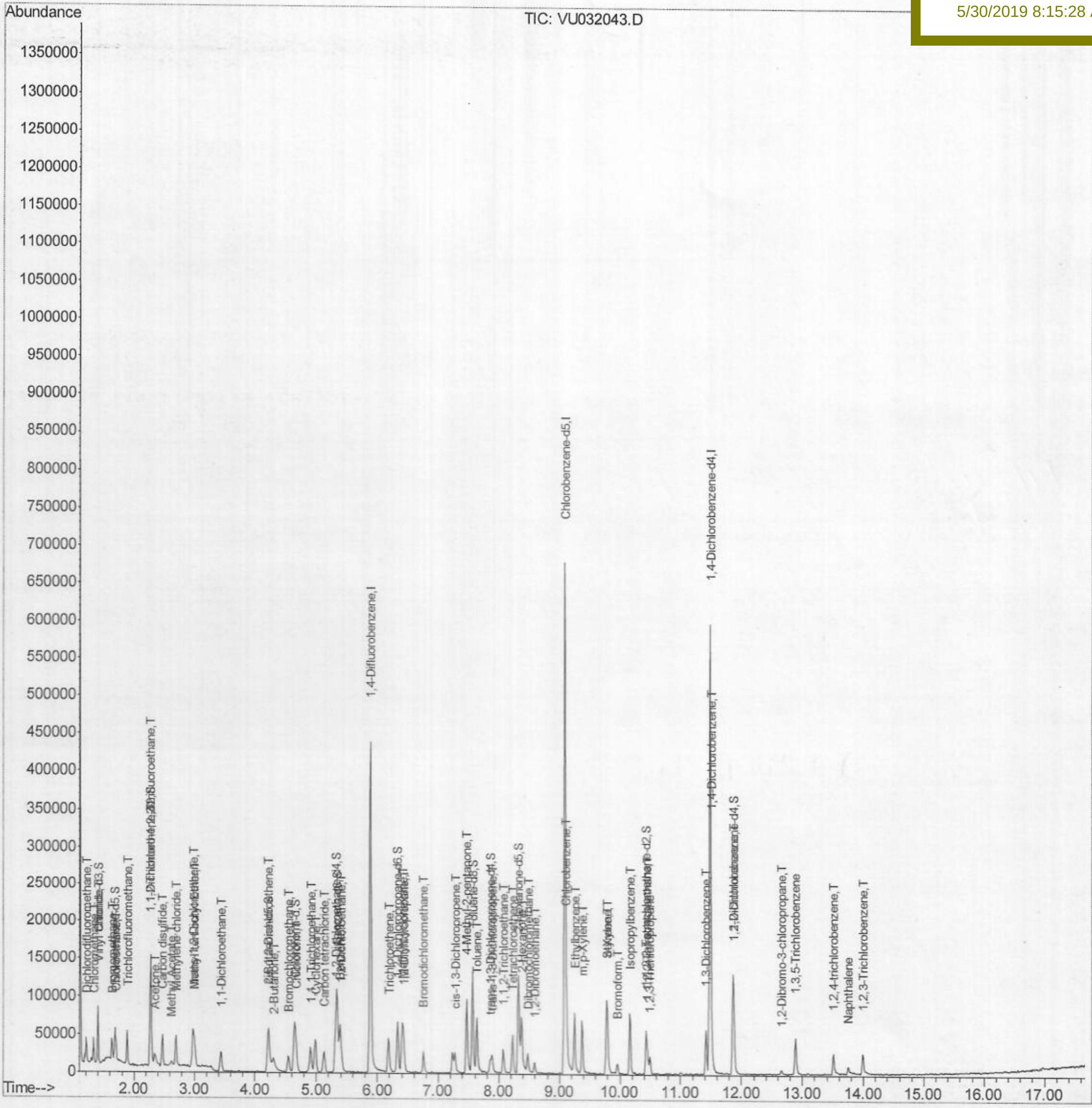
Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051619\
Data File : VU032043.D
Acq On : 16 May 2019 12:39
Operator : JC/SP
Sample : VSTD00107
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 08:54:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 02:13:58 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD00107

Manual Integrations APPROVED
mohammad
5/30/2019 8:15:28 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU051619\

Quantitation Report (Qedit)

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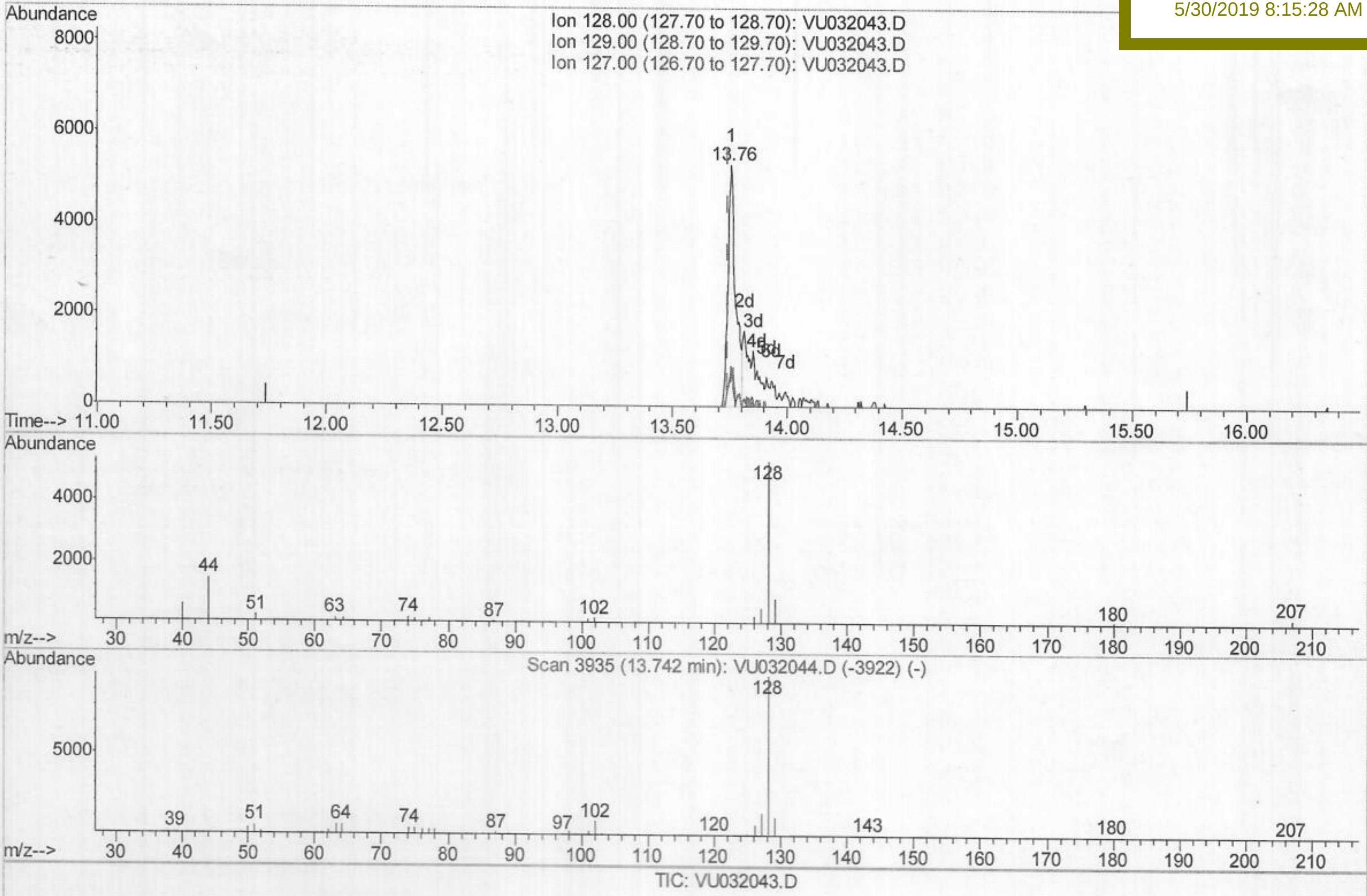

(69) Naphthalene

13.755min (+0.013) 0.51ug/L

response 12003

Ion	Exp%	Act%
128.00	100	100
129.00	10.00	9.81
127.00	12.60	10.84
0.00	0.00	0.00

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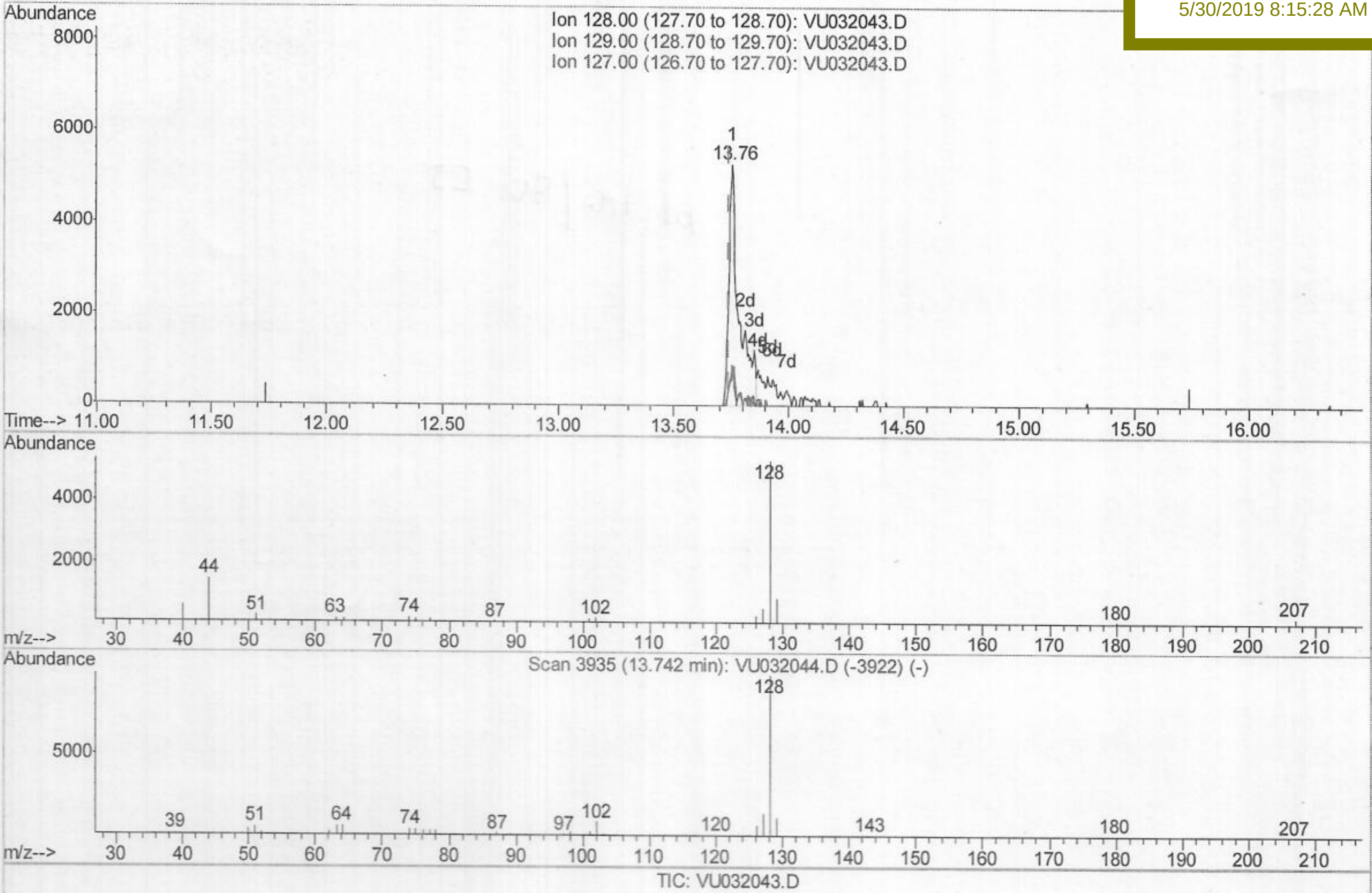
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 02:13:58 2019
Response via : Initial Calibration



(69) Naphthalene

13.755min (+0.013) 0.69ug/L m

response 16148

M.D
5/29/19

Ion	Exp%	Act%
128.00	100	100
129.00	10.00	7.29#
127.00	12.60	8.06#
0.00	0.00	0.00

Quantitation Report (Qedit)

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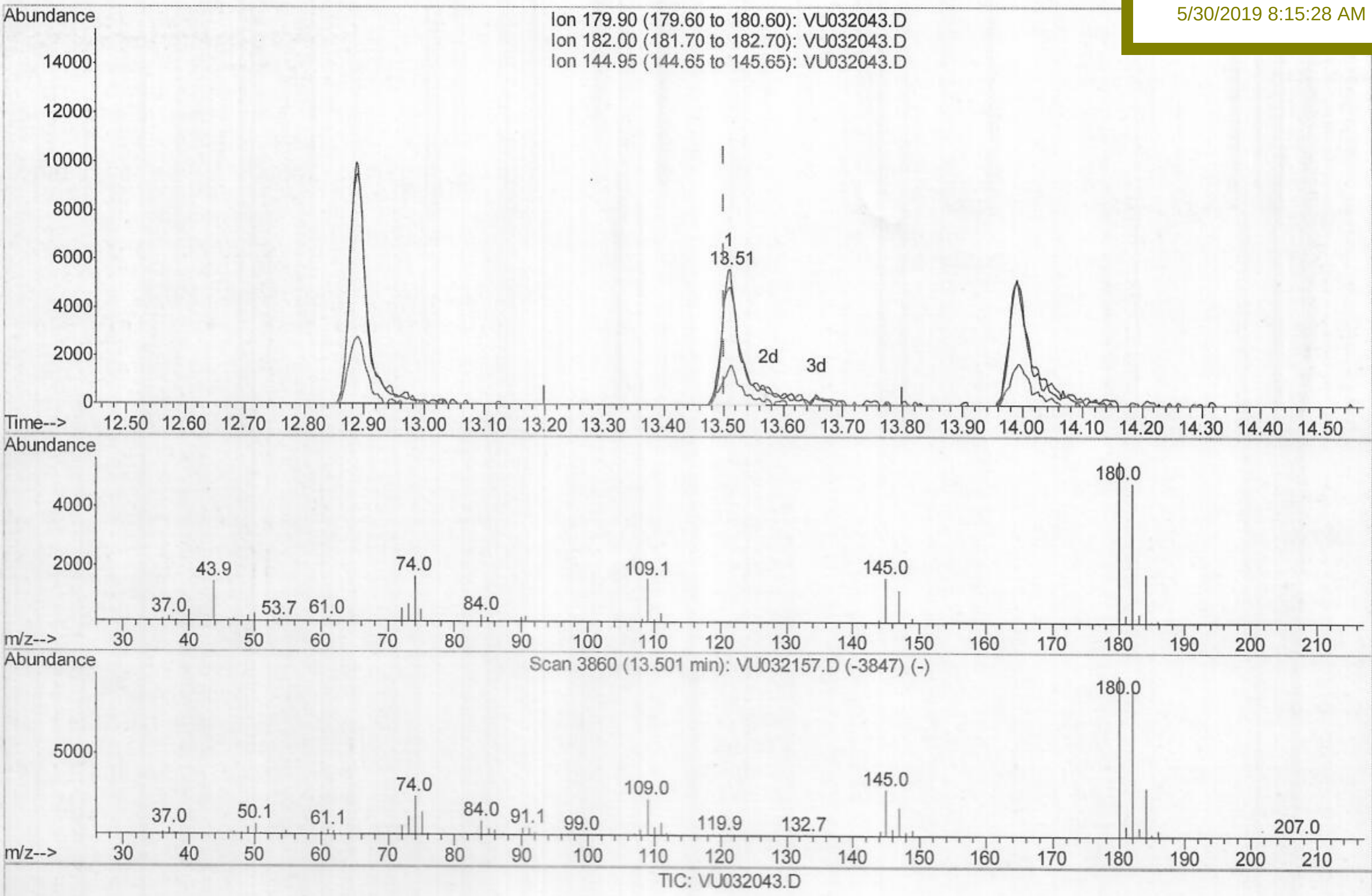
Acq On : 16 May 2019 12:39
Operator : JC/SP
Sample : VSTD00107
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 08:54:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 02:13:58 2019
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VSTD00107

Manual Integrations APPROVED
mohammad
5/30/2019 8:15:28 AM



(68) 1,2,4-trichlorobenzene (T)

13.511min (+0.010) 0.85ug/L m

response 11876

Ion	Exp%	Act%
179.90	100	100
182.00	98.00	87.60
144.95	29.40	30.33
0.00	0.00	0.00

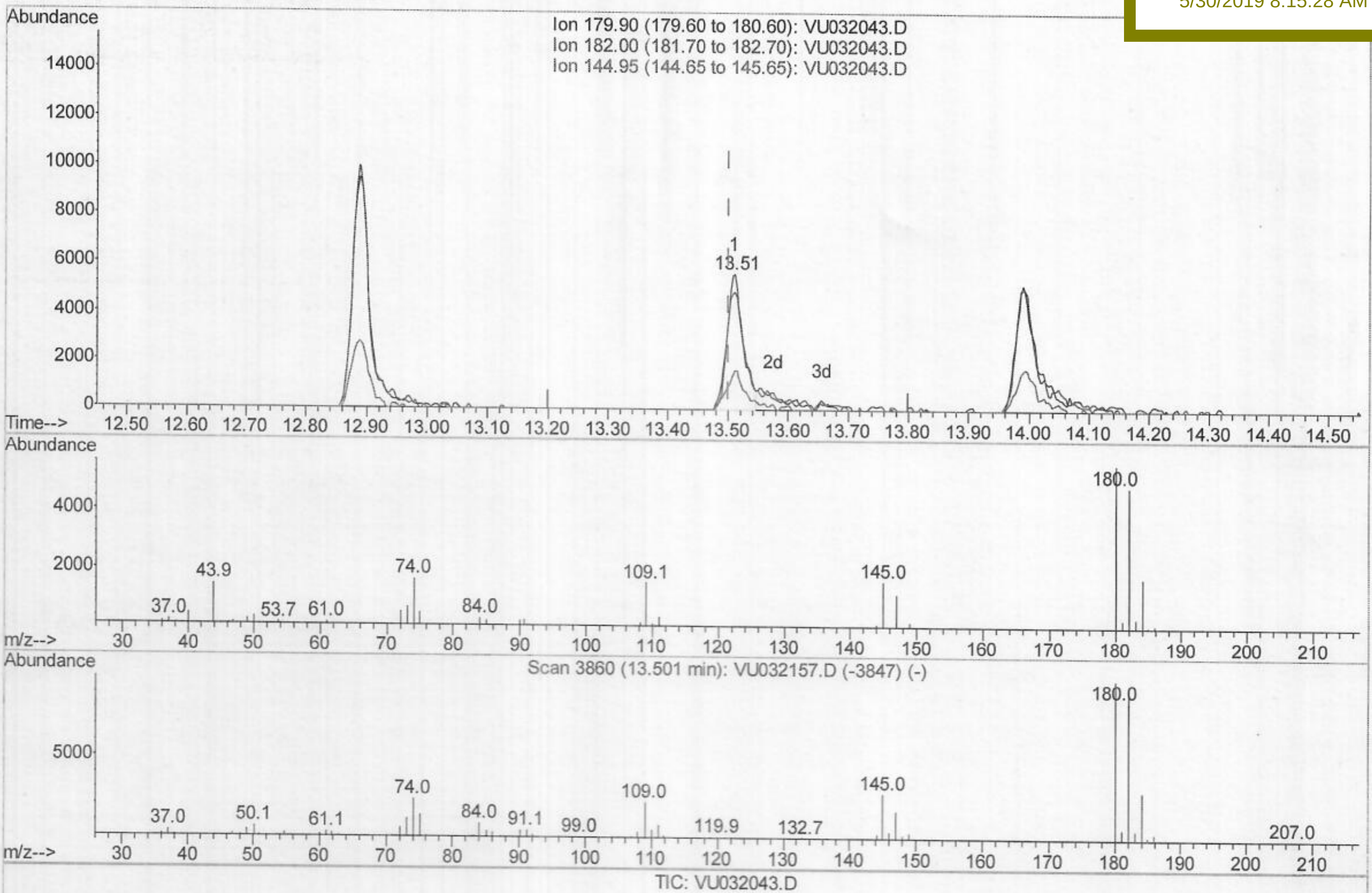
M.D
5/29/19

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051619\
Data File : VU032043.D
Acq On : 16 May 2019 12:39
Operator : JC/SP
Sample : VSTD00107
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 29 09:21:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 29 09:03:42 2019
Response via : Initial Calibration

Instrument : MSVOA_U
ClientSampleId : VSTD00107

Manual Integrations APPROVED
mohammad
5/30/2019 8:15:28 AM



(68) 1,2,4-trichlorobenzene (T)

13.511min (+0.010) 0.73ug/L

response 10710

Ion	Exp%	Act%
179.90	100	100
182.00	98.00	97.13
144.95	29.40	33.63
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA U\Data\VU051619\
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Manual Integrations APPROVED
mohammad
5/30/2019 8:15:28 AM

Quant Time: May 29 08:54:20 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 17 02:13:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	405375	5.00 ug/L	0.00
28) Chlorobenzene-d5	9.09	117	406464	5.00 ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	170541	5.00 ug/L	0.00
System Monitoring Compounds					
4) Vinyl Chloride-d3	1.40	65	33099	0.87 ug/L	0.00
7) Chloroethane-d5	1.68	69	29468	0.97 ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	54231	0.92 ug/L	0.00
20) 2-Butanone-d5	4.21	46	64021	7.86 ug/L	0.00
24) Chloroform-d	4.65	84	58256	0.95 ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	30261	0.96 ug/L	0.00
32) Benzene-d6	5.34	84	116635	0.89 ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	34864	0.87 ug/L	0.00
41) Toluene-d8	7.56	98	93654	0.83 ug/L	0.00
43) trans-1,3-Dichloropropene-	7.86	79	11172	0.82 ug/L	0.00
46) 2-Hexanone-d5	8.32	63	46619	7.12 ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	28393	0.91 ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	35260	0.94 ug/L	0.00

Target Compounds	R.T.	QIon	Response	Conc Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	19918	0.991 ug/L	97
3) Chloromethane	1.32	50	21092	0.925 ug/L	100
5) Vinyl chloride	1.40	62	20411	0.916 ug/L	99
6) Bromomethane	1.63	94	12434	1.050 ug/L	99
8) Chloroethane	1.70	64	12446	0.849 ug/L	100
9) Trichlorofluoromethane	1.88	101	25375	1.036 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	16560	1.032 ug/L	98
12) 1,1-Dichloroethene	2.28	96	16365	1.029 ug/L	85
13) Acetone	2.34	43	22021	8.607 ug/L	97
14) Carbon disulfide	2.47	76	52588	0.966 ug/L	99
15) Methyl Acetate	2.63	43	6776	0.909 ug/L	96
16) Methylene chloride	2.70	84	20775	1.110 ug/L	94
17) Methyl tert-butyl Ether	3.00	73	38189	0.982 ug/L	95
18) trans-1,2-Dichloroethene	2.98	96	17165	0.980 ug/L	90
19) 1,1-Dichloroethane	3.44	63	27067	0.913 ug/L	92
21) 2-Butanone	4.30	43	30488	7.799 ug/L	86
22) cis-1,2-Dichloroethene	4.22	96	16410	0.940 ug/L	91
23) Bromochloromethane	4.55	128	6791	0.904 ug/L	95
25) Chloroform	4.67	83	29057	0.956 ug/L	95
27) 1,2-Dichloroethane	5.40	62	16740	0.950 ug/L	98
29) 1,1,1-Trichloroethane	4.91	97	23561	1.016 ug/L	95
30) Cyclohexane	4.99	56	20877	0.826 ug/L	98
31) Carbon tetrachloride	5.13	117	19735	1.001 ug/L	98
33) Benzene	5.39	78	58167	0.872 ug/L	100
34) Trichloroethene	6.19	95	16802	0.948 ug/L	95
35) Methylcyclohexane	6.41	83	22204	0.890 ug/L	98
37) 1,2-Dichloropropane	6.43	63	14312	0.856 ug/L #	88
38) Bromodichloromethane	6.76	83	19831	0.980 ug/L	98
39) cis-1,3-Dichloropropene	7.27	75	18884	0.869 ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	63443	7.180 ug/L	97

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5/30/2019 8:15:28 AM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
42) Toluene	7.63	91	59898	0.879 ug/L	96
44) trans-1,3-Dichloropropene	7.89	75	13950	0.817 ug/L	94
45) 1,1,2-Trichloroethane	8.07	97	10634	0.907 ug/L	87
47) Tetrachloroethene	8.22	164	12733	1.017 ug/L	89
48) 2-Hexanone	8.37	43	49488	7.416 ug/L	92
49) Dibromochloromethane	8.48	129	13536	1.060 ug/L	93
50) 1,2-Dibromoethane	8.59	107	10401	0.966 ug/L #	91
51) Chlorobenzene	9.12	112	38584	0.922 ug/L	94
52) Ethylbenzene	9.25	91	57643	0.842 ug/L	96
53) m,p-Xylene	9.37	106	21918	0.867 ug/L	96
54) o-Xylene	9.78	106	20223	0.822 ug/L	100
55) Styrene	9.79	104	33263	0.832 ug/L	97
56) Isopropylbenzene	10.16	105	51940	0.831 ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.45	83	13522	0.936 ug/L	94
59) 1,2,3-Trichloropropane	10.49	75	9829	0.967 ug/L	100
61) Bromoform	9.96	173	6763	1.040 ug/L #	96
62) 1,3-Dichlorobenzene	11.42	146	25680	0.914 ug/L	92
63) 1,4-Dichlorobenzene	11.50	146	29084	1.015 ug/L	91
65) 1,2-Dichlorobenzene	11.88	146	27381	0.984 ug/L	91
66) 1,2-Dibromo-3-chloropropan	12.66	75	1853	0.956 ug/L #	68
67) 1,3,5-Trichlorobenzene	12.89	180	18782	0.924 ug/L	99
68) 1,2,4-trichlorobenzene	13.51	180	11876m	0.851 ug/L	
69) Naphthalene	13.76	128	16148m	0.688 ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	12269	0.861 ug/L	97

M.D 5/29/19

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