

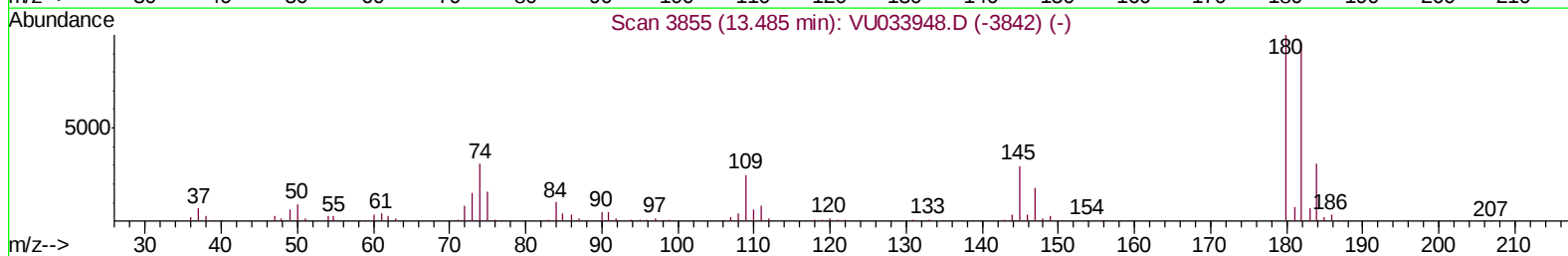
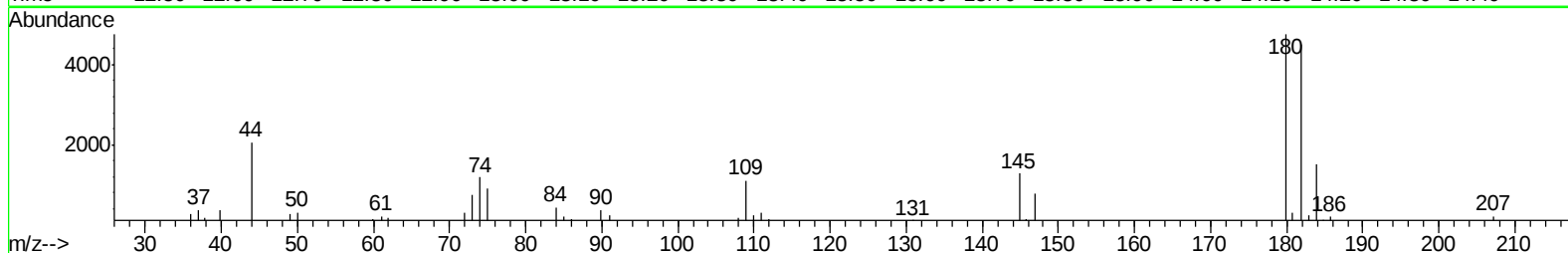
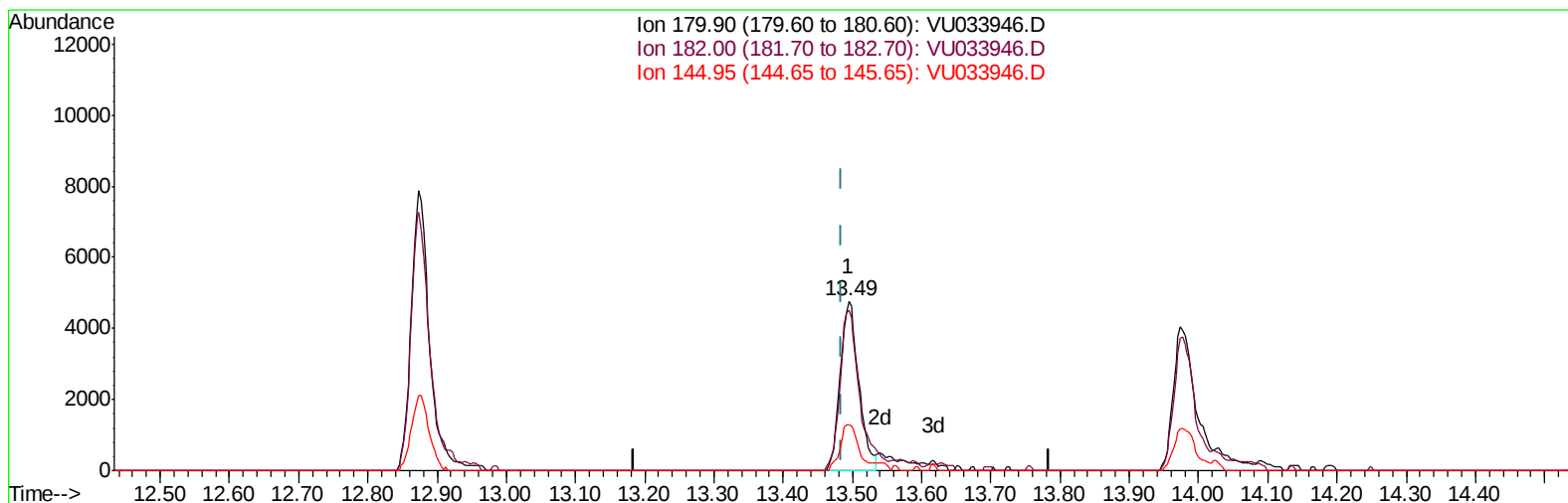
Data File : VU033946.D
Acq On : 26 Aug 2019 10:41
Operator : JC/SP
Sample : VSTD0.506
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VSTD0.506

Manual Integrations
APPROVED

MMDadoda
8/31/2019 1:03:21 PM

Quant Time: Aug 27 01:22:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR082619WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Aug 27 01:19:55 2019
Response via : Initial Calibration



TIC: VU033946.D

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

13.495min (+0.010) 0.56ug/L

response 8877

Ion	Exp%	Act%
179.90	100	100
182.00	95.50	102.86
144.95	29.30	27.33
0.00	0.00	0.00

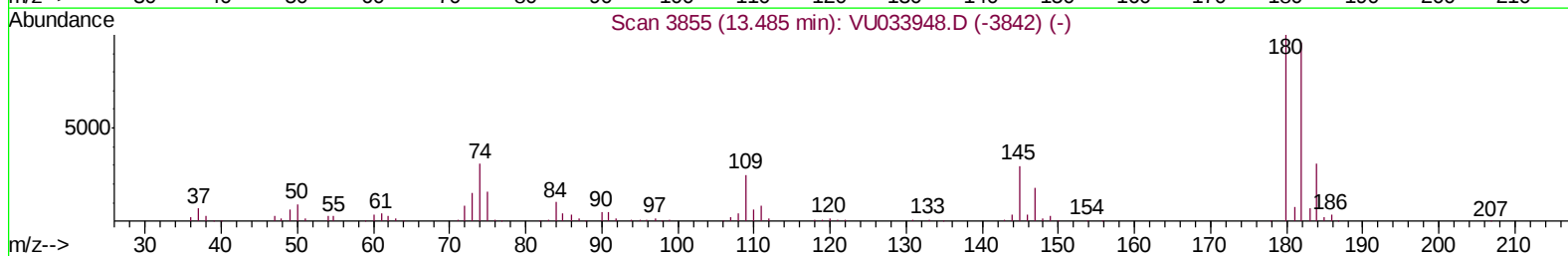
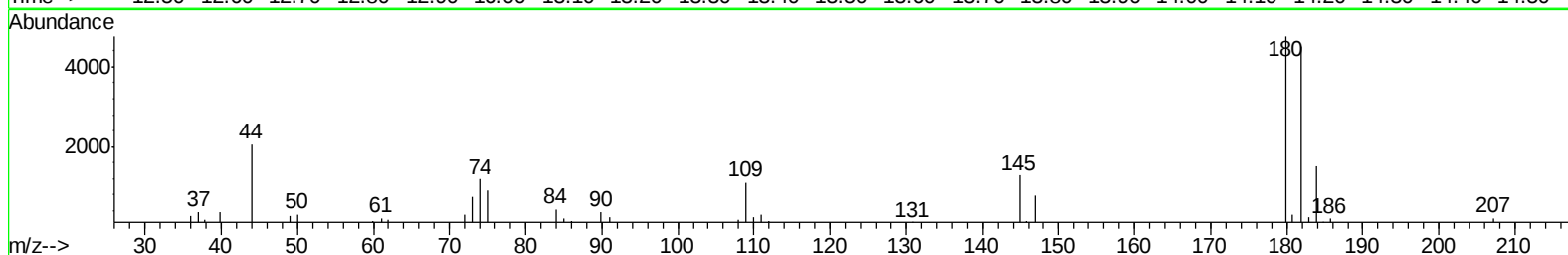
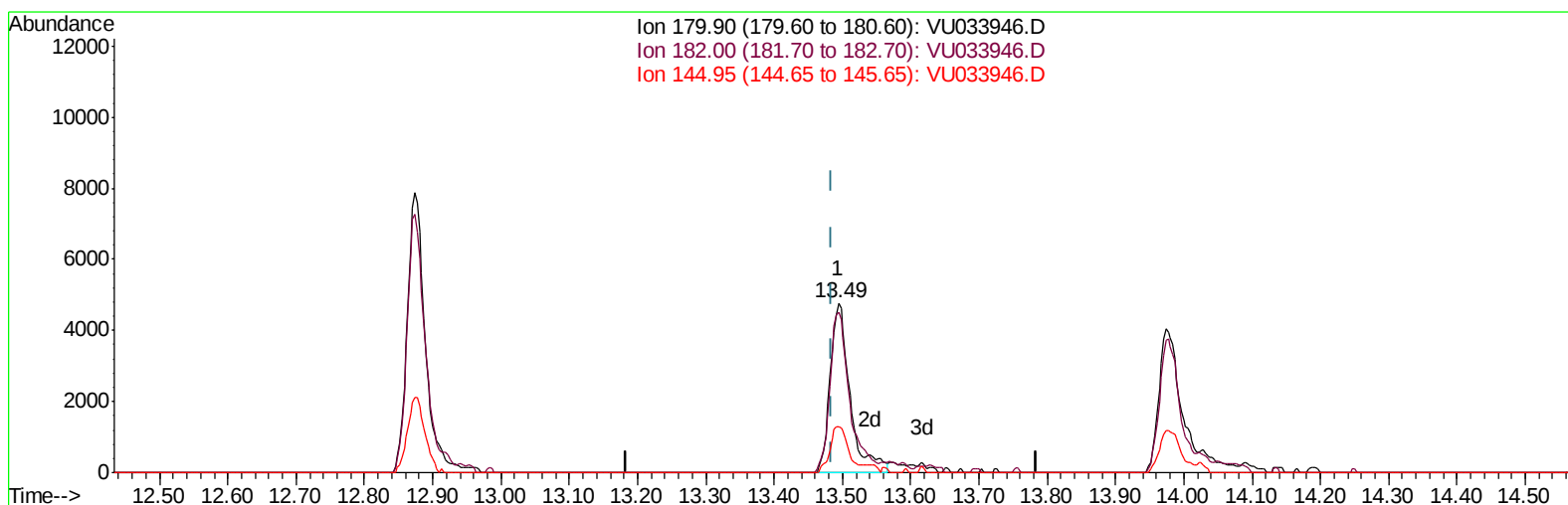
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TIC: VU033946.D

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

13.495min (+0.010) 0.61ug/L m

response 9631

Ion	Exp%	Act%
179.90	100	100
182.00	95.50	94.81
144.95	29.30	25.19
0.00	0.00	0.00

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Quant Time: Aug 27 01:29:21 2019
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Quant Title : TRACE VOA SOM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	246354	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	250000	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	117160	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	11087	0.52	ug/L	0.00
7) Chloroethane-d5	1.67	69	9292	0.50	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	63	21657	0.52	ug/L	0.00
20) 2-Butanone-d5	4.18	46	23890	5.41	ug/L	0.01
24) Chloroform-d	4.62	84	19184	0.54	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	10699	0.56	ug/L	0.00
32) Benzene-d6	5.32	84	34692	0.54	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	10975	0.52	ug/L	0.00
41) Toluene-d8	7.55	98	26880	0.46	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	3802	0.48	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	11567	3.90	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.41	84	8909	0.50	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.84	152	11413	0.56	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	15280	0.643 ug/L	100
3) Chloromethane	1.32	50	14966	0.646 ug/L	98
5) Vinyl chloride	1.39	62	15478	0.603 ug/L	94
6) Bromomethane	1.62	94	7191	0.456 ug/L	91
8) Chloroethane	1.69	64	11402	0.752 ug/L	97
9) Trichlorofluoromethane	1.87	101	17266	0.544 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	10062	0.549 ug/L	98
12) 1,1-Dichloroethene	2.27	96	9875	0.567 ug/L	92
13) Acetone	2.32	43	22184	6.529 ug/L	98
14) Carbon disulfide	2.46	76	35735	0.592 ug/L	100
15) Methyl Acetate	2.60	43	5940	0.687 ug/L	100
16) Methylene chloride	2.68	84	13593	0.665 ug/L	94
17) Methyl tert-butyl Ether	2.98	73	24701	0.556 ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	11151	0.582 ug/L	93
19) 1,1-Dichloroethane	3.42	63	20642	0.693 ug/L	96
21) 2-Butanone	4.27	43	26414	6.628 ug/L	97
22) cis-1,2-Dichloroethene	4.20	96	10233	0.642 ug/L	98
23) Bromochloromethane	4.53	128	4828	0.630 ug/L	81
25) Chloroform	4.65	83	24837	0.754 ug/L	99
27) 1,2-Dichloroethane	5.39	62	12532	0.655 ug/L	100
29) 1,1,1-Trichloroethane	4.89	97	16004	0.655 ug/L	97
30) Cyclohexane	4.97	56	14295	0.660 ug/L	98
31) Carbon tetrachloride	5.11	117	14241	0.650 ug/L	95
33) Benzene	5.37	78	38027	0.632 ug/L	100
34) Trichloroethene	6.16	95	11025	0.696 ug/L	90
35) Methylcyclohexane	6.39	83	13882	0.612 ug/L	98
37) 1,2-Dichloropropane	6.41	63	10953	0.687 ug/L #	97
38) Bromodichloromethane	6.74	83	13765	0.677 ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	12030	0.571 ug/L	100
40) 4-Methyl-2-pentanone	7.45	43	55202	6.109 ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.62	91	35799	0.587	ug/L	95
44) trans-1,3-Dichloropropene	7.87	75	9944	0.562	ug/L	96
45) 1,1,2-Trichloroethane	8.05	97	6980	0.621	ug/L	94
47) Tetrachloroethene	8.21	164	7987	0.618	ug/L	96
48) 2-Hexanone	8.35	43	34809	5.313	ug/L	98
49) Dibromochloromethane	8.46	129	8531	0.614	ug/L	97
50) 1,2-Dibromoethane	8.57	107	6872	0.637	ug/L #	99
51) Chlorobenzene	9.10	112	25444	0.633	ug/L	97
52) Ethylbenzene	9.23	91	36079	0.584	ug/L	97
53) m,p-Xylene	9.36	106	13068	0.561	ug/L	98
54) o-Xylene	9.76	106	11583	0.518	ug/L	92
55) Styrene	9.78	104	18737	0.482	ug/L	98
56) Isopropylbenzene	10.15	105	30889	0.536	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.44	83	9492	0.661	ug/L	94
59) 1,2,3-Trichloropropane	10.48	75	6667	0.637	ug/L	93
61) Bromoform	9.94	173	4859	0.696	ug/L #	95
62) 1,3-Dichlorobenzene	11.40	146	18514	0.657	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	20902	0.720	ug/L	96
65) 1,2-Dichlorobenzene	11.86	146	18019	0.663	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.64	75	1436	0.734	ug/L #	77
67) 1,3,5-Trichlorobenzene	12.87	180	14396	0.671	ug/L	98
68) 1,2,4-trichlorobenzene	13.49	180	9631m	0.610	ug/L	
69) Naphthalene	13.74	128	12194	0.520	ug/L	97
70) 1,2,3-Trichlorobenzene	13.97	180	8844	0.587	ug/L	91

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

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