

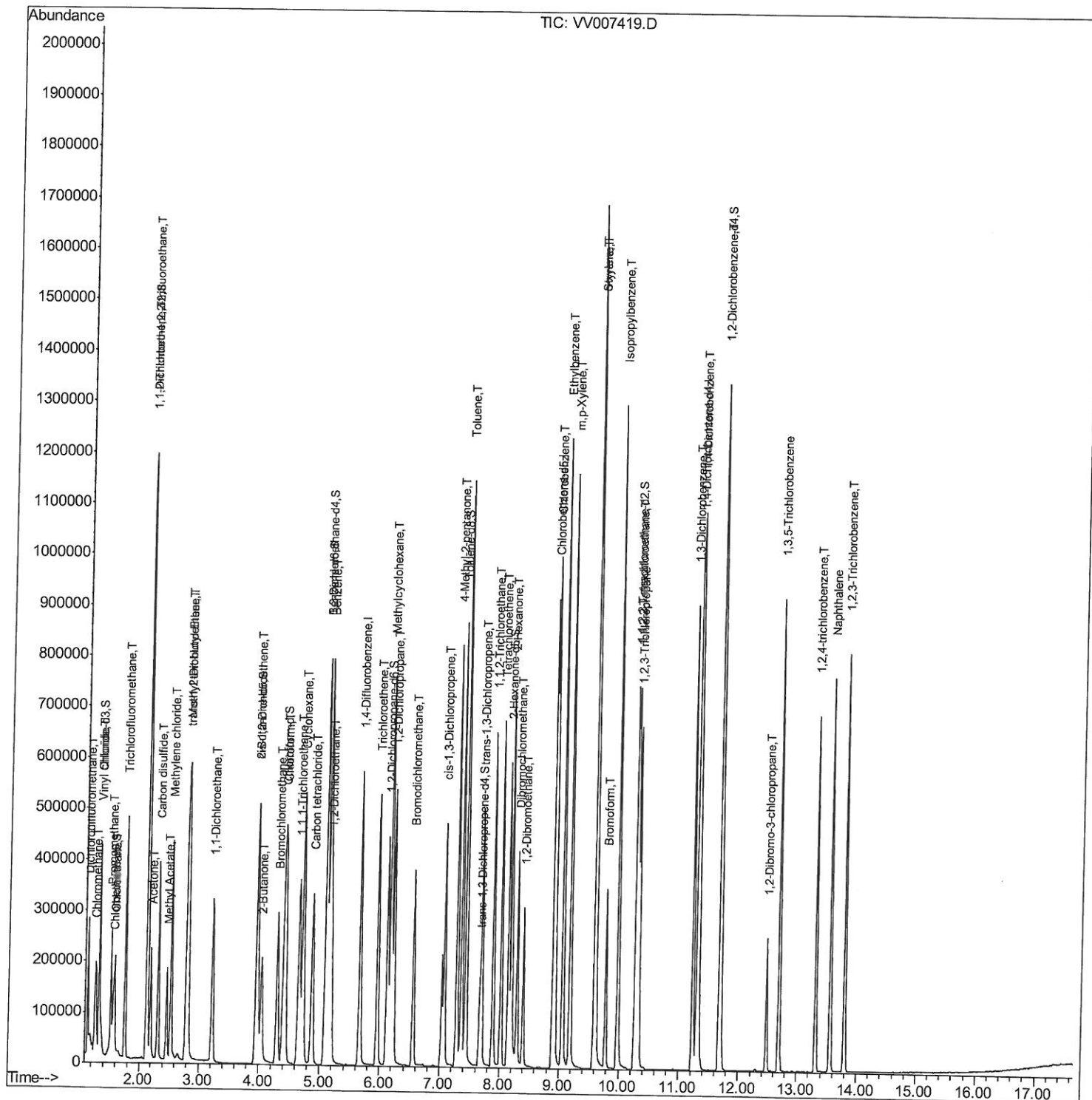
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Data Path : Z:\voasrv\HPCHEM1\MSVOA V\Data\VV090618\  
Data File : VV007419.D  
Acq On    : 06 Sep 2018   14:28  
Operator  : SY/MD  
Sample    : VSTDCCC050  
Misc      : 5.0 mL/MSVOA V/WATER  
ALS Vial  : 2      Sample Multiplier: 1
```

Instrument :
MSVOA_V
LabSampleId :
VSTD05071

Manual Integrations
APPROVED

MMDadoda
9/7/2018 1:12:29 PM

Quant Time: Sep 07 01:26:31 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090418WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Sep 06 02:12:11 2018
Response via : Initial Calibration



Quantitation Report (Qedit)

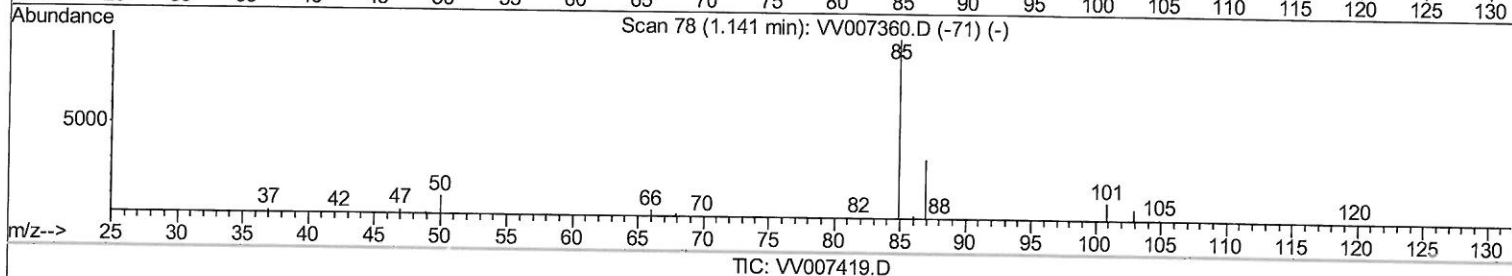
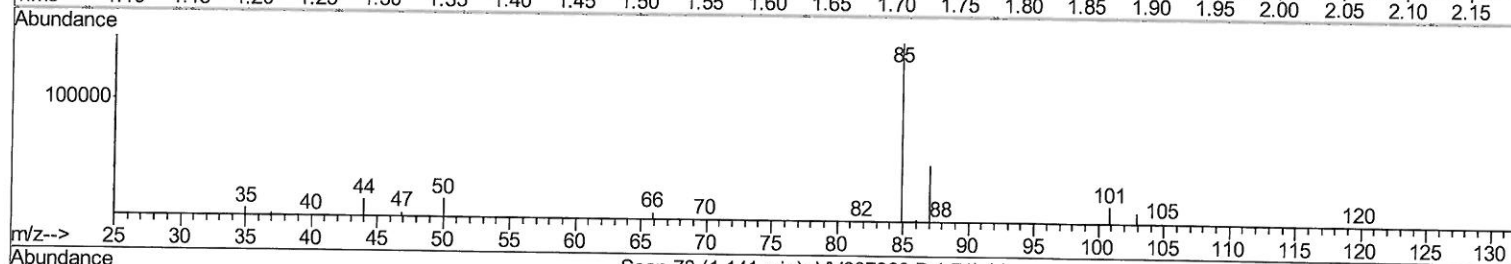
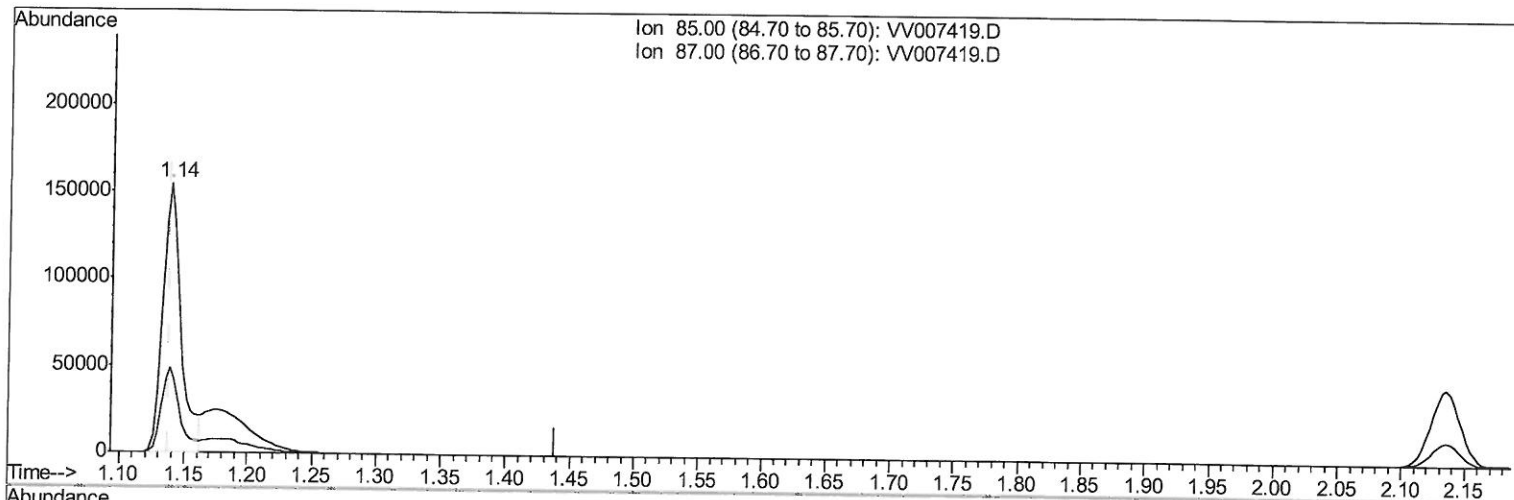
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TIC: VV007419.D

(2) Dichlorodifluoromethane (T)

1.139min (+0.001) 37.46ug/L

response 150208

Ion	Exp%	Act%
85.00	100	100
87.00	32.50	31.92
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

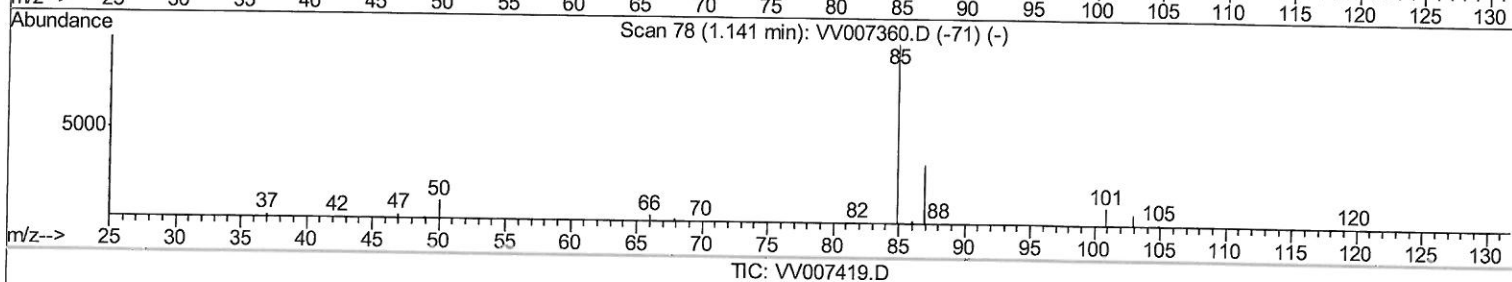
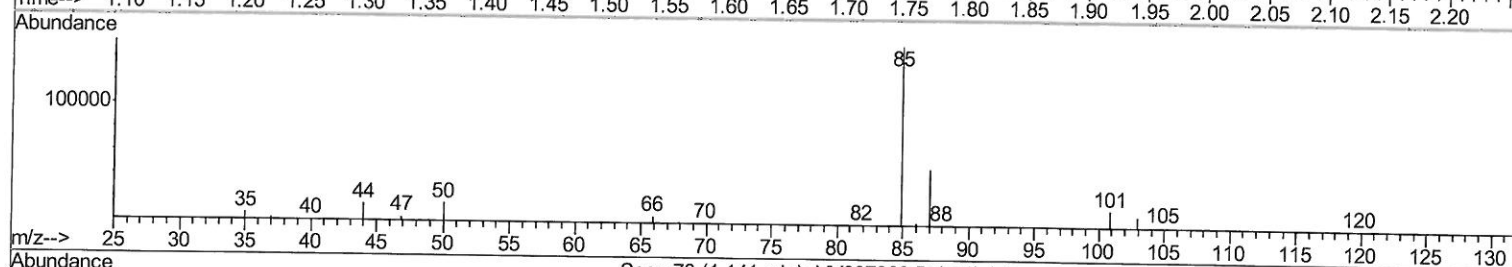
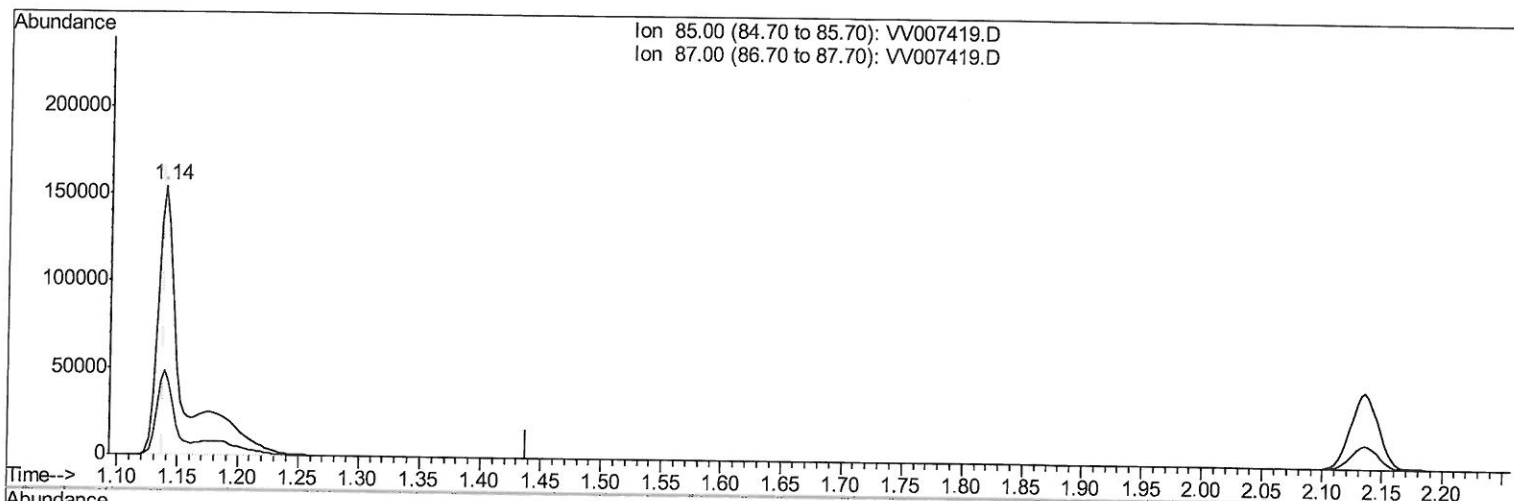
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Instrument :
 MSVOA_V
 LabSampled :
 VSTD05071

Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Sep 07 01:23:51 2018
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 QLast Update : Thu Sep 06 02:12:11 2018
 Response via : Initial Calibration



(2) Dichlorodifluoromethane (T)

1.139min (+0.001) 53.39ug/L m

response 214063

Ion	Exp%	Act%
85.00	100	100
87.00	32.50	22.40#
0.00	0.00	0.00
0.00	0.00	0.00

MD
09/07/18
MD

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 Sample : VSTDCCC050
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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	505166	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	509204	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	255498	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	138984	38.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.04%
7) Chloroethane-d5	1.56	69	108000	45.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.38%
11) 1,1-Dichloroethene-d2	2.13	63	261951	41.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.42%
21) 2-Butanone-d5	3.96	46	273502	93.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.18%
24) Chloroform-d	4.41	84	348880	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.48%
26) 1,2-Dichloroethane-d4	5.09	65	212362	47.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.32%
32) Benzene-d6	5.10	84	640981	41.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.54%
36) 1,2-Dichloropropane-d6	6.12	67	223574	43.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.94%
41) Toluene-d8	7.36	98	583716	44.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.36%
43) trans-1,3-Dichloropropene-	7.67	79	97813	44.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.30%
47) 2-Hexanone-d5	8.14	63	200466	99.43	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.43%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	365959	52.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	259478	47.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.50%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	214063m	53.390	ug/L	100
3) Chloromethane	1.26	50	248259	58.373	ug/L	100
5) Vinyl chloride	1.33	62	225638	52.328	ug/L	100
6) Bromomethane	1.51	94	90518	43.566	ug/L	100
8) Chloroethane	1.58	64	118404	53.511	ug/L	99
9) Trichlorofluoromethane	1.76	101	280534	51.396	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	177790	52.462	ug/L	99
12) 1,1-Dichloroethene	2.14	96	158756	49.691	ug/L	91
13) Acetone	2.19	43	196532	112.447	ug/L	98
14) Carbon disulfide	2.31	76	437432	48.321	ug/L	100
15) Methyl Acetate	2.46	43	186673	49.031	ug/L	99
16) Methylene chloride	2.53	84	193116	50.830	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	171864	49.312	ug/L	99
18) Methyl tert-butyl Ether	2.81	73	551712	50.545	ug/L	100
19) 1,1-Dichloroethane	3.23	63	332141	46.014	ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	198888	49.590	ug/L	100
22) 2-Butanone	4.04	43	310305	106.008	ug/L	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	105213	50.139	uq/L	99
25) Chloroform	4.43	83	360034	50.674	uq/L	99
27) 1,2-Dichloroethane	5.18	62	265717	49.948	uq/L	100
29) Cyclohexane	4.72	56	272662	48.299	uq/L	100
30) 1,1,1-Trichloroethane	4.66	97	294191	47.308	uq/L	99
31) Carbon tetrachloride	4.87	117	256161	47.589	uq/L	100
33) Benzene	5.15	78	806467	49.514	uq/L	100
34) Trichloroethene	5.96	95	185895	46.753	uq/L	98
35) Methvlcvclohexane	6.18	83	298978	50.425	uq/L	99
37) 1,2-Dichloropropane	6.23	63	218377	48.787	uq/L	100
38) Bromodichloromethane	6.56	83	265518	48.581	uq/L	98
39) cis-1,3-Dichloropropene	7.07	75	283124	47.104	uq/L	100
40) 4-Methvl-2-pentanone	7.28	43	526554	101.830	uq/L	99
42) Toluene	7.43	91	828547	52.879	uq/L	100
44) trans-1,3-Dichloropropene	7.70	75	283177	50.386	uq/L	99
45) 1,1,2-Trichloroethane	7.89	97	208767	49.416	uq/L	100
46) Tetrachloroethene	8.02	164	159267	49.814	uq/L	98
48) 2-Hexanone	8.19	43	451125	111.867	uq/L	97
49) Dibromochloromethane	8.30	129	216037	49.856	uq/L	99
50) 1,2-Dibromoethane	8.40	107	205980	49.922	uq/L	99
51) Chlorobenzene	8.93	112	536239	50.681	uq/L	99
52) Ethylbenzene	9.06	91	845492	53.210	uq/L	100
53) m,p-Xylene	9.19	106	334040	54.910	uq/L	98
54) o-xylene	9.59	106	317487	53.671	uq/L	100
55) Styrene	9.61	104	600929	58.644	uq/L	99
56) Isopropylbenzene	9.98	105	826852	55.266	uq/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	352389	52.735	uq/L	99
59) 1,2,3-Trichloropropane	10.32	75	280051	52.606	uq/L	100
61) Bromoform	9.78	173	162951	46.834	uq/L	99
62) 1,3-Dichlorobenzene	11.23	146	387839	49.968	uq/L	99
63) 1,4-Dichlorobenzene	11.32	146	431946	51.888	uq/L	98
65) 1,2-Dichlorobenzene	11.69	146	452256	52.121	uq/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	68926	46.854	uq/L	98
67) 1,3,5-Trichlorobenzene	12.70	180	305794	51.341	uq/L	100
68) 1,2,4-trichlorobenzene	13.31	180	227692	49.347	uq/L	100
69) Naphthalene	13.56	128	627067	47.087	uq/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	263853	51.749	uq/L	99

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