

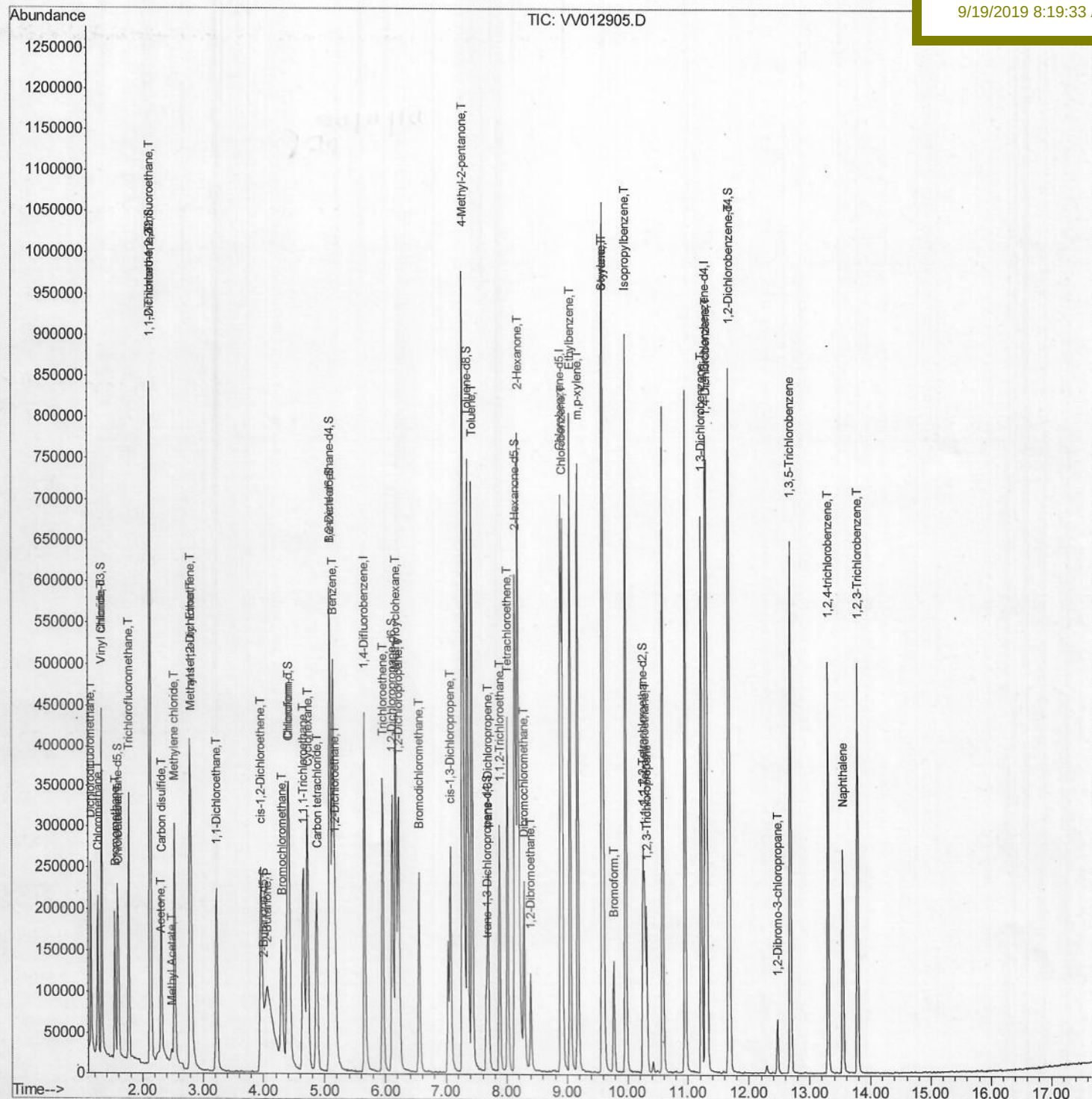
Data File : VV012905.D
Acq On : 18 Sep 2019 19:51
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 19 01:11:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 19 01:01:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
LabSampleId :
VSTD00540

Manual Integrations
APPROVED

MMDadoda
9/19/2019 8:19:33 AM



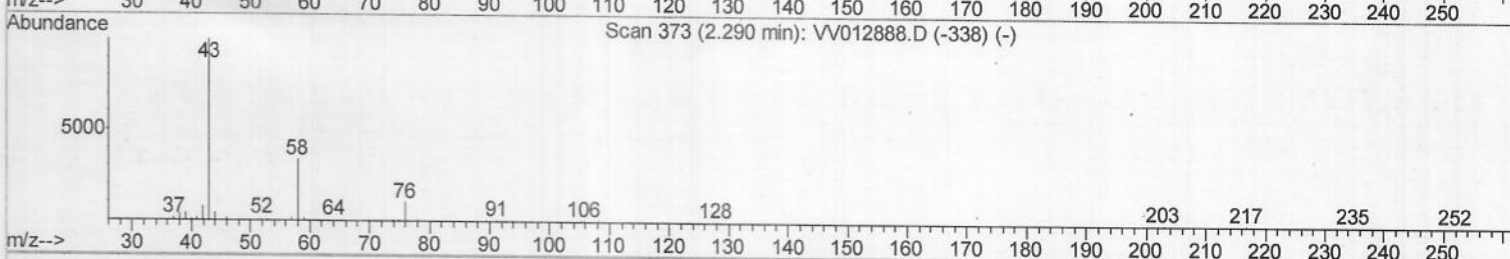
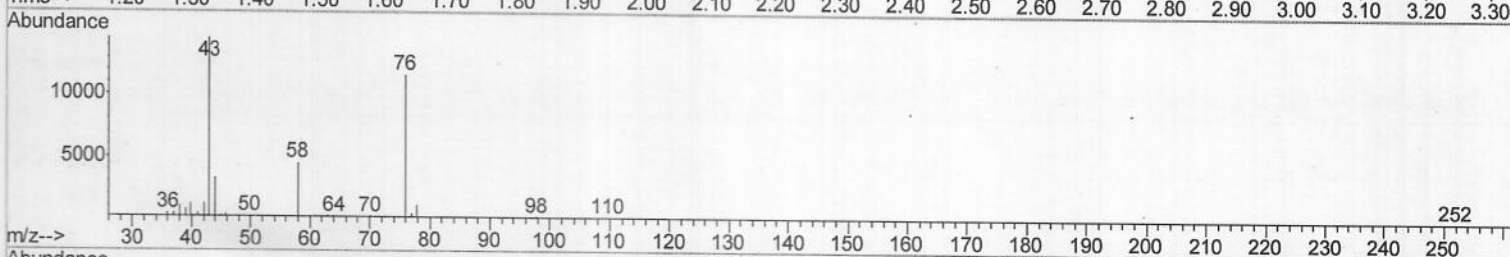
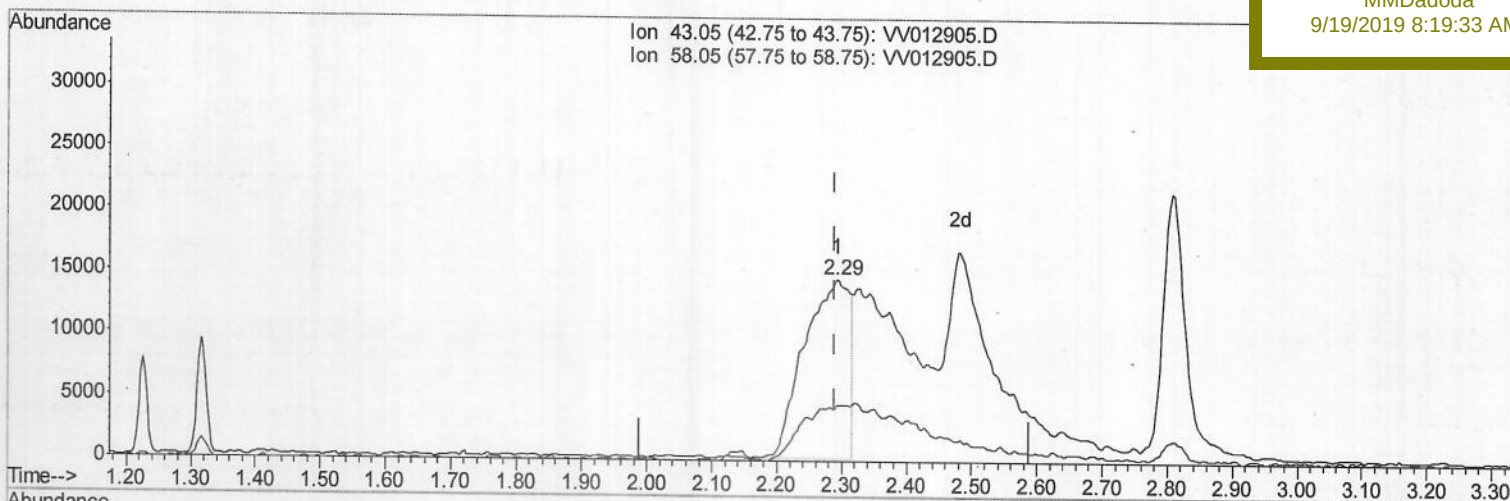
Data File : VV012905.D
Acq On : 18 Sep 2019 19:51
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 19 01:04:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 19 01:01:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
LabSampleId :
VSTD00540

Manual Integrations
APPROVED

MMDadoda
9/19/2019 8:19:33 AM



TIC: VV012905.D

(13) Acetone (T)

2.293min (+0.003) 16.59ug/L

response 69336

Ion	Exp%	Act%
43.05	100	100
58.05	12.20	2.87
0.00	0.00	0.00
0.00	0.00	0.00

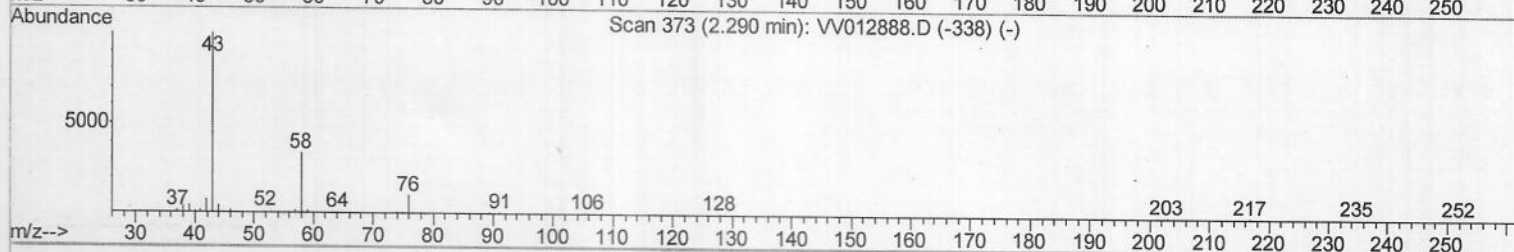
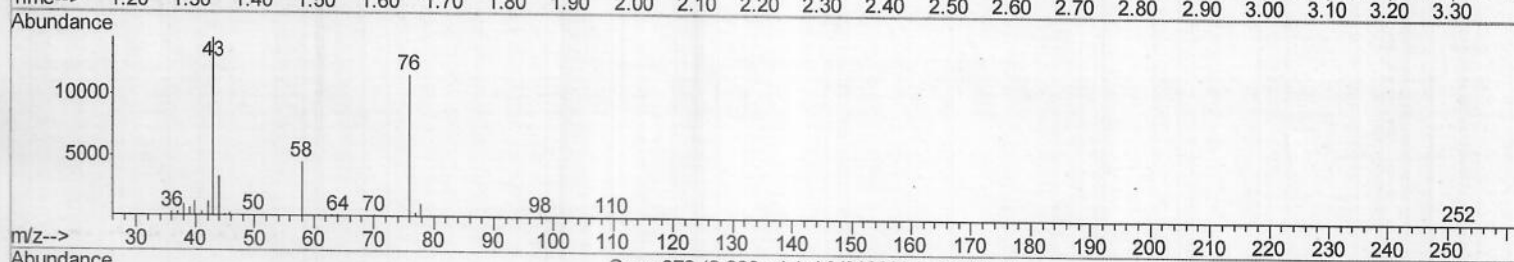
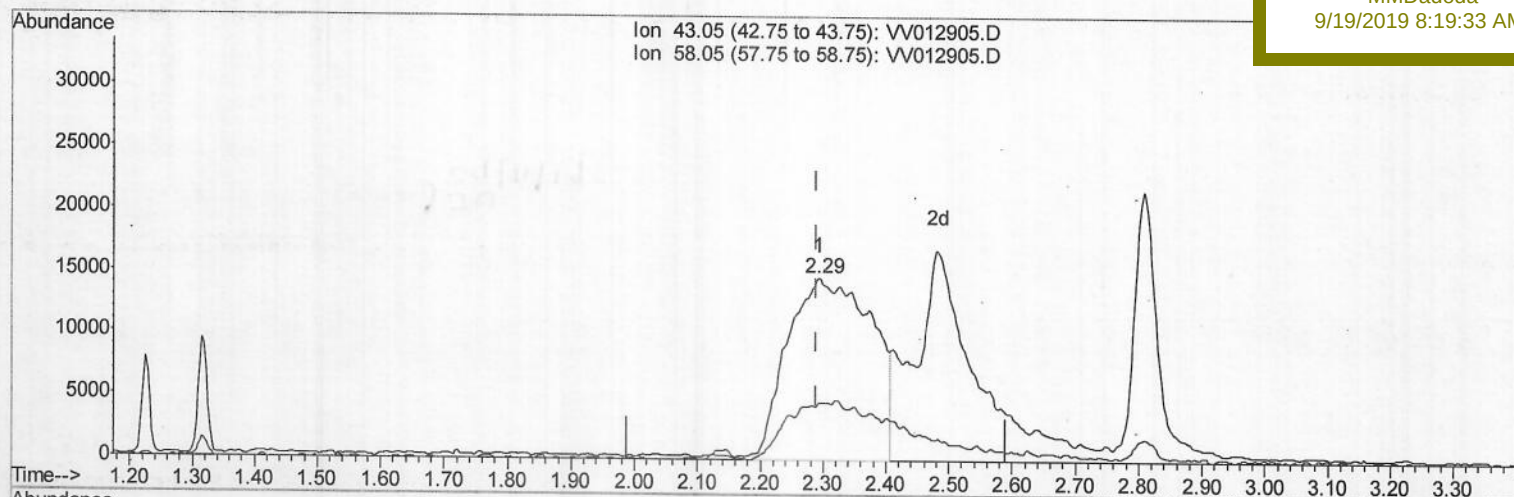
Data File : VV012905.D
Acq On : 18 Sep 2019 19:51
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 19 01:04:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 19 01:01:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
LabSampleId :
VSTD00540

Manual Integrations
APPROVED

MMDadoda
9/19/2019 8:19:33 AM



TIC: VV012905.D

(13) Acetone (T)

2.293min (+0.003) 32.36ug/L m

response 135203

Ion	Exp%	Act%
43.05	100	100
58.05	12.20	1.47
0.00	0.00	0.00
0.00	0.00	0.00

> M.D 09/19/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091819\
Quantitation Report (Qedit)

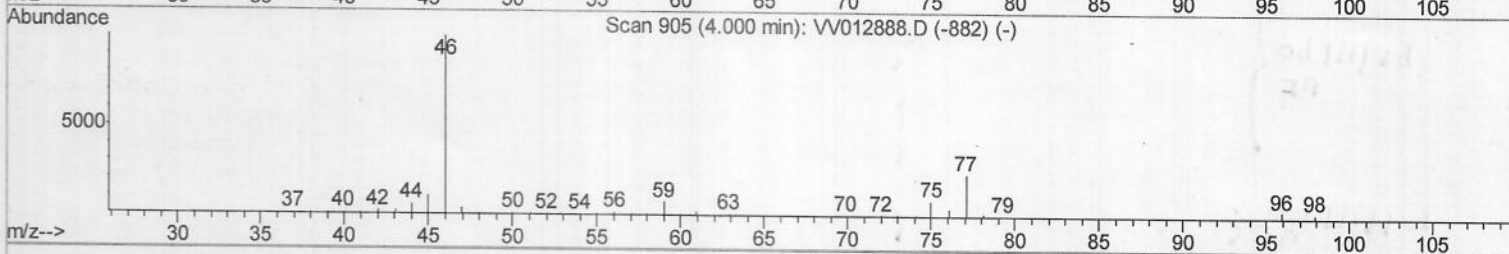
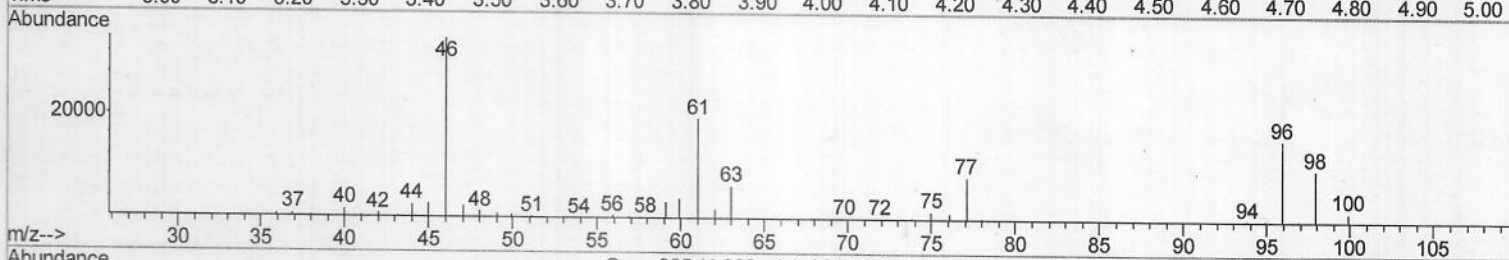
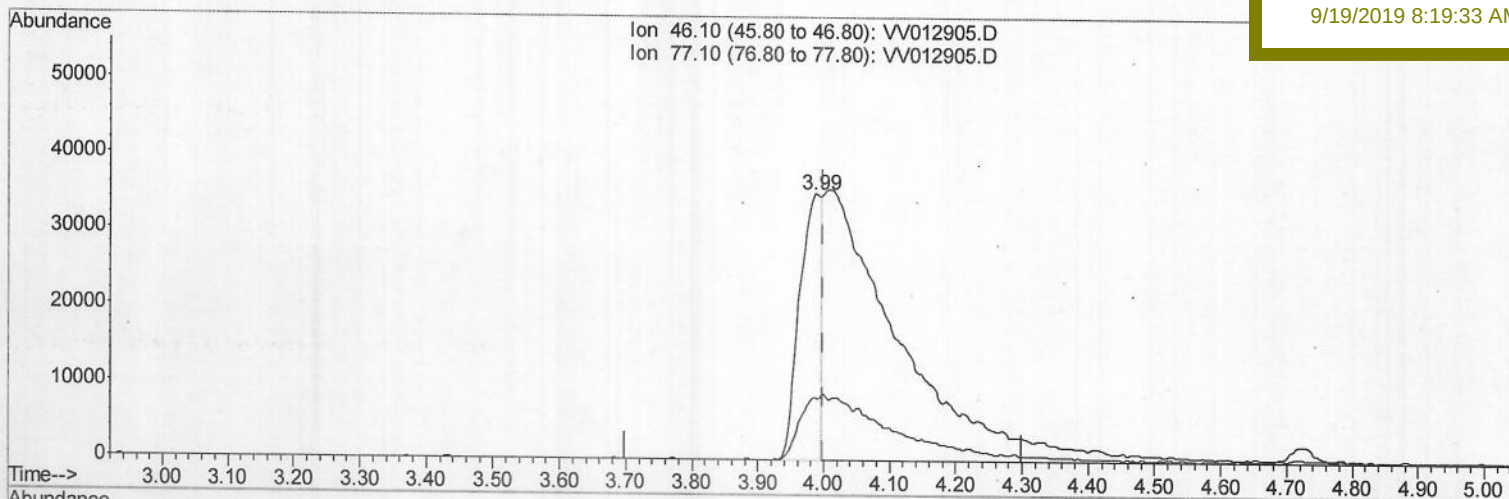
Data File : VV012905.D
Acq On : 18 Sep 2019 19:51
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 19 01:04:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 19 01:01:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
LabSampleId :
VSTD00540

Manual Integrations
APPROVED

MMDadoda
9/19/2019 8:19:33 AM



TIC: VV012905.D

(20) 2-Butanone-d5 (S)

3.987min (-0.013) 10.31ug/L

response 81437

Ion	Exp%	Act%
46.10	100	100
77.10	22.00	29.70#
0.00	0.00	0.00
0.00	0.00	0.00

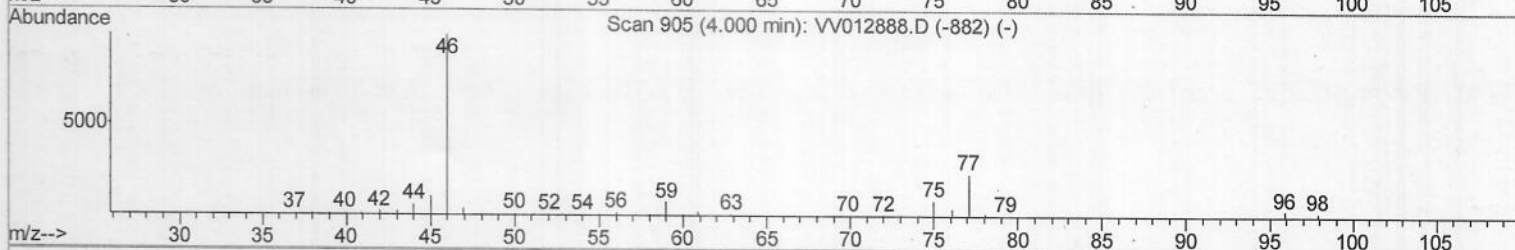
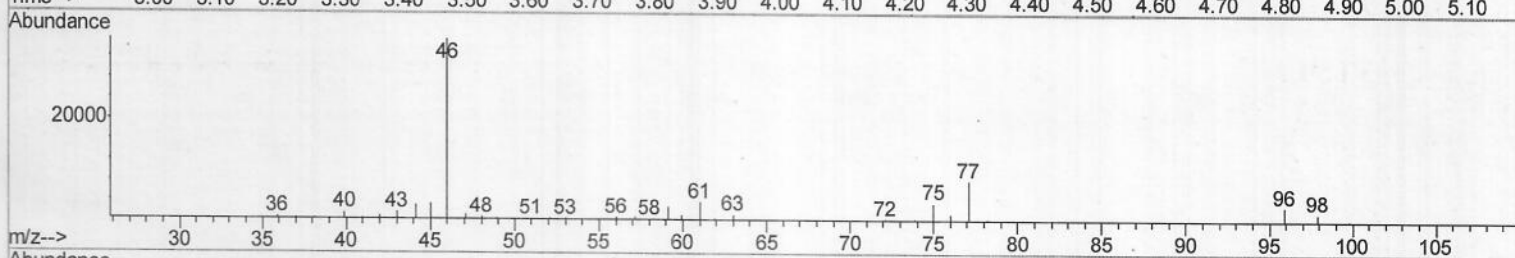
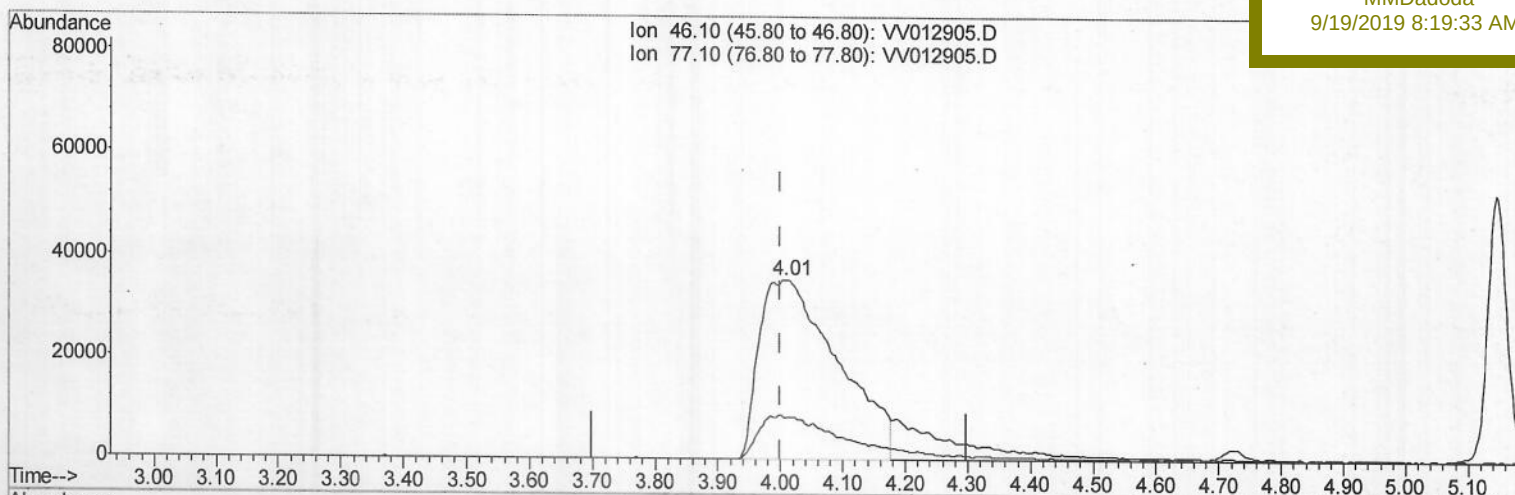
Data File : VV012905.D
Acq On : 18 Sep 2019 19:51
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 19 01:04:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 19 01:01:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
LabSampleId :
VSTD00540

Manual Integrations
APPROVED

MMDadoda
9/19/2019 8:19:33 AM



TIC: VV012905.D

(20) 2-Butanone-d5 (S)

4.010min (+0.010) 39.33ug/L m

response 310801

Ion	Exp%	Act%
46.10	100	100
77.10	22.00	7.78#
0.00	0.00	0.00
0.00	0.00	0.00

> M.D 09/19/19

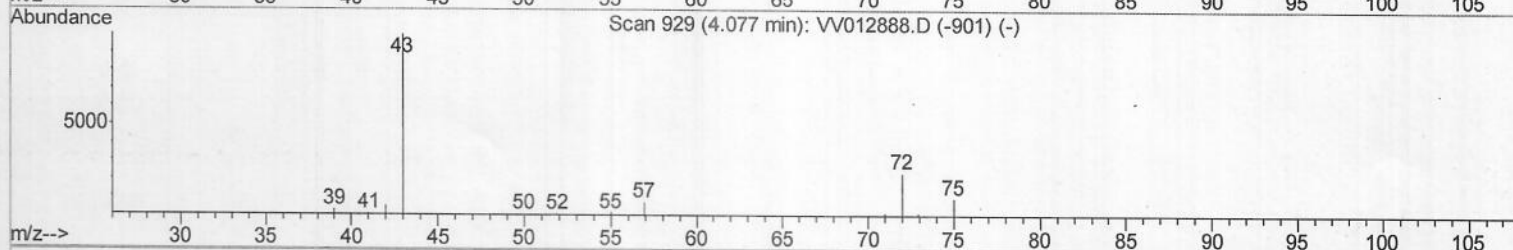
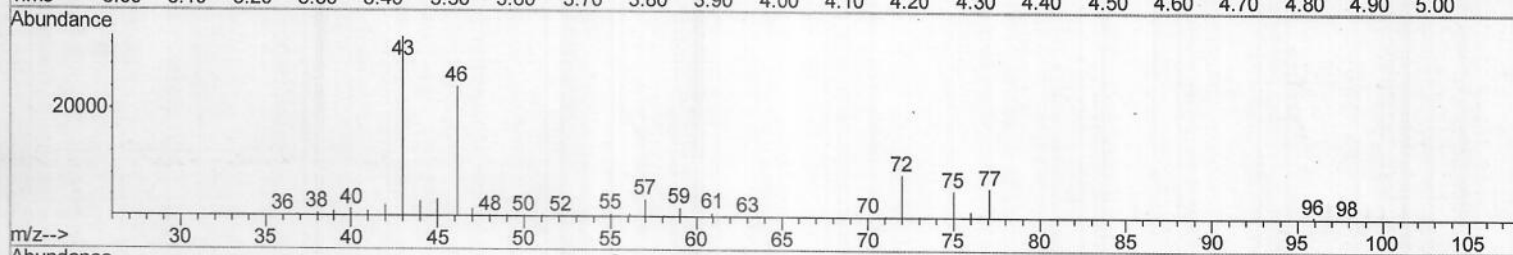
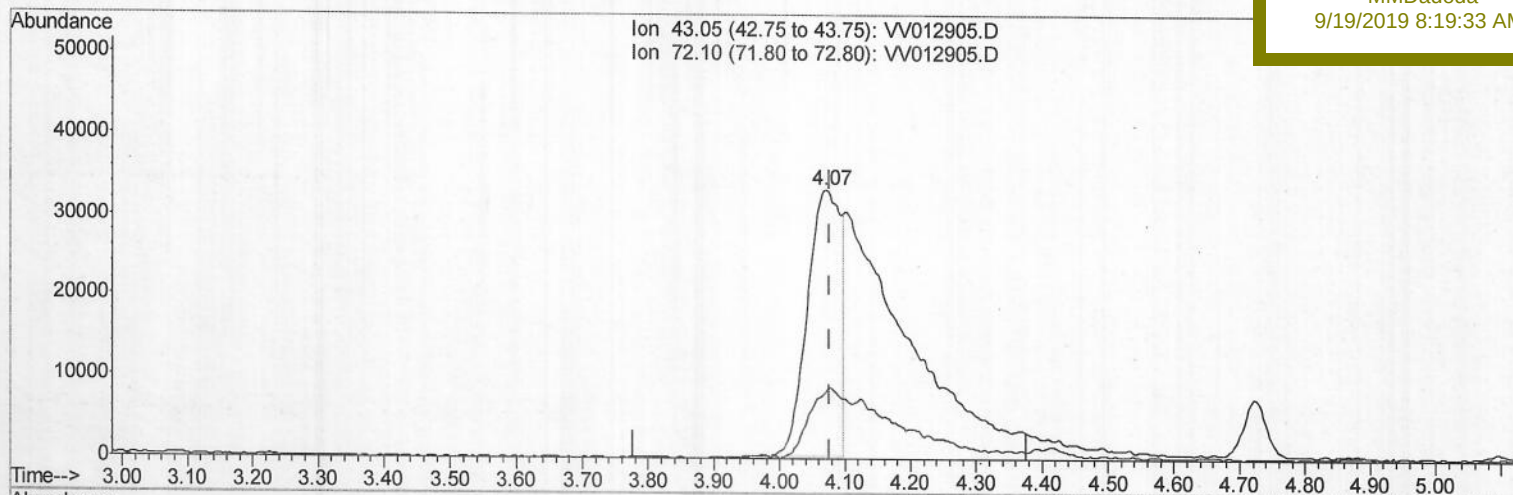
Data File : VV012905.D
Acq On : 18 Sep 2019 19:51
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 19 01:04:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 19 01:01:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
LabSampleId :
VSTD00540

Manual Integrations
APPROVED

MMDadoda
9/19/2019 8:19:33 AM



(21) 2-Butanone (T)

4.071min (-0.006) 16.71ug/L

response 114734

Ion	Exp%	Act%
43.05	100	100
72.10	20.80	29.54
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091819\
Quantitation Report (Qedit)

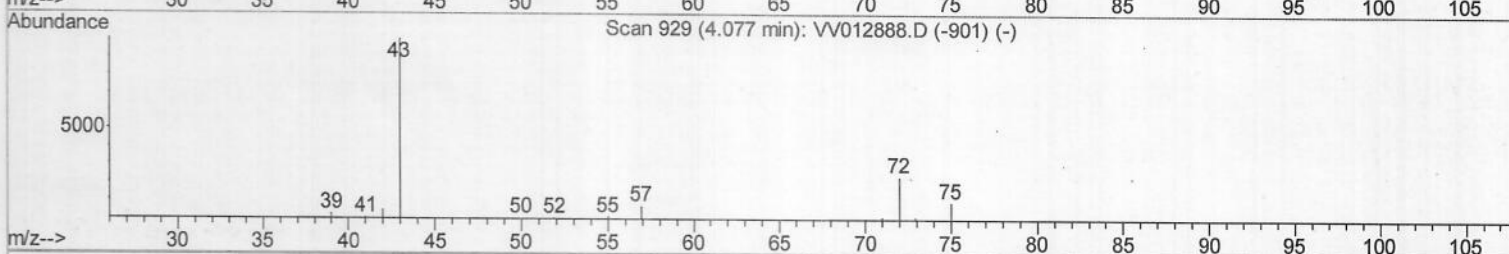
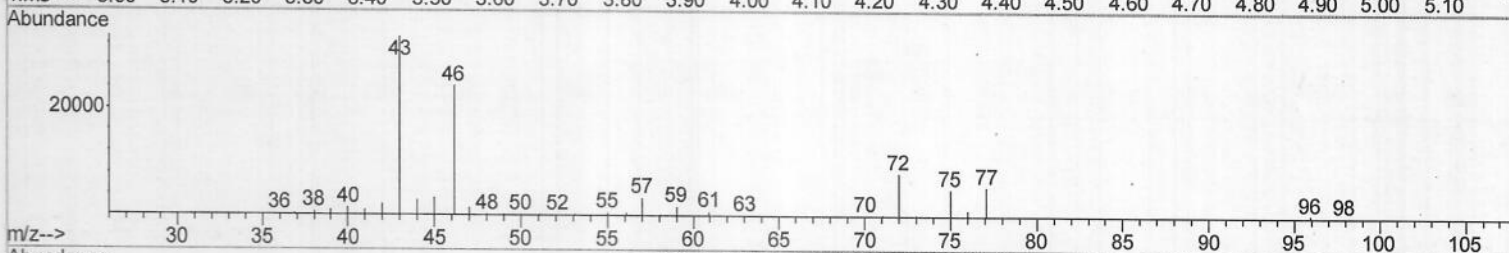
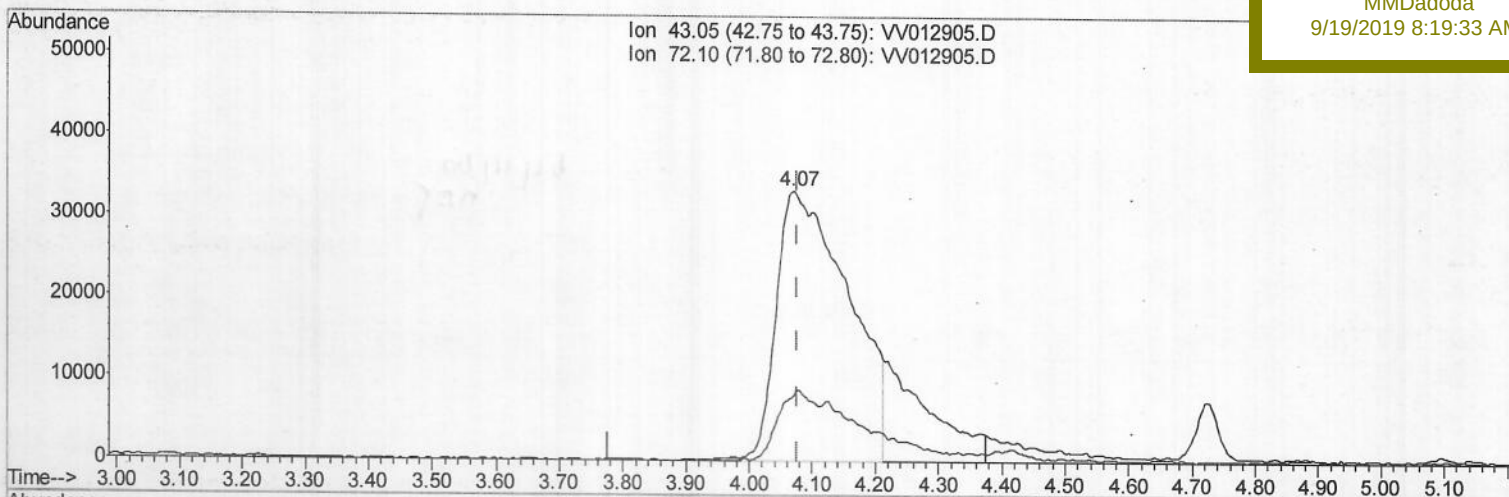
Data File : VV012905.D
Acq On : 18 Sep 2019 19:51
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 19 01:04:39 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 19 01:01:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
LabSampleId :
VSTD00540

Manual Integrations
APPROVED

MMDadoda
9/19/2019 8:19:33 AM



TIC: VV012905.D

(21) 2-Butanone (T)

4.071min (-0.006) 38.36ug/L m

response 263335

Ion	Exp%	Act%
43.05	100	100
72.10	20.80	12.87
0.00	0.00	0.00
0.00	0.00	0.00

> M.D 09/19/19

Data File : VV012905.D

Acq On : 18 Sep 2019 19:51

Operator : SY/MD

Sample : VSTDCCC005EC

Misc : 25.0mL/MSVOA_V/WATER

ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 19 01:11:43 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Sep 19 01:01:31 2019

Response via : Initial Calibration

Instrument :

MSVOA_V

LabSampleId :

VSTD00540

Manual Integrations

APPROVED

MMDadoda

9/19/2019 8:19:33 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	381259	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	372717	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	185137	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	136034	3.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.20%
7) Chloroethane-d5	1.58	69	126240	4.24	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.80%
11) 1,1-Dichloroethene-d2	2.13	63	219721	3.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.00%
20) 2-Butanone-d5	4.01	46	310801m	39.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	78.66%
24) Chloroform-d	4.40	84	270198	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
26) 1,2-Dichloroethane-d4	5.08	65	134208	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
32) Benzene-d6	5.10	84	527261	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	6.12	67	163324	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.36	98	472035	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.66	79	57839	4.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.60%
46) 2-Hexanone-d5	8.14	63	242265	42.63	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.26%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	126131	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	167352	4.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	138772	5.773	ug/L 98
3) Chloromethane	1.25	50	134549	5.074	ug/L 100
5) Vinyl chloride	1.32	62	148265	4.819	ug/L 98
6) Bromomethane	1.54	94	76577	5.178	ug/L 100
8) Chloroethane	1.60	64	82014	5.074	ug/L 97
9) Trichlorofluoromethane	1.77	101	185939	4.967	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	110314	4.911	ug/L 100
12) 1,1-Dichloroethene	2.14	96	98175	4.806	ug/L 84
13) Acetone	2.29	43	135203m	32.356	ug/L
14) Carbon disulfide	2.32	76	213721	5.107	ug/L 99
15) Methyl Acetate	2.48	43	60317	5.518	ug/L # 89
16) Methylene chloride	2.53	84	124354	4.951	ug/L 97
17) Methyl tert-butyl Ether	2.81	73	260387	4.507	ug/L 100
18) trans-1,2-Dichloroethene	2.79	96	105711	4.656	ug/L 99
19) 1,1-Dichloroethane	3.23	63	231949	4.951	ug/L 100
21) 2-Butanone	4.07	43	263335m	38.360	ug/L
22) cis-1,2-Dichloroethene	3.96	96	123843	4.854	ug/L 99

Data File : VV012905.D
Acq On : 18 Sep 2019 19:51
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 19 01:11:43 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 19 01:01:31 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
LabSampleId :
VSTD00540

Manual Integrations
APPROVED

MMDadoda
9/19/2019 8:19:33 AM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
23) Bromochloromethane	4.30	128	55922	4.950	ug/L	98
25) Chloroform	4.42	83	249592	4.729	ug/L	100
27) 1,2-Dichloroethane	5.18	62	138597	4.938	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	192787	4.978	ug/L	99
30) Cyclohexane	4.72	56	160142	4.958	ug/L	97
31) Carbon tetrachloride	4.87	117	162810	4.963	ug/L	99
33) Benzene	5.15	78	492089	5.088	ug/L	100
34) Trichloroethene	5.96	95	123055	4.940	ug/L	99
35) Methylcyclohexane	6.18	83	164428	4.919	ug/L	100
37) 1,2-Dichloropropane	6.22	63	134613	5.108	ug/L	99
38) Bromodichloromethane	6.55	83	166570	4.857	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	165305	4.735	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	828351	48.812	ug/L	99
42) Toluene	7.43	91	525194	5.216	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	134477	4.823	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	94317	4.775	ug/L	99
47) Tetrachloroethene	8.02	164	98819	4.937	ug/L	99
48) 2-Hexanone	8.19	43	612269	49.934	ug/L	99
49) Dibromochloromethane	8.29	129	111343	4.951	ug/L	99
50) 1,2-Dibromoethane	8.40	107	80850	4.919	ug/L	93
51) Chlorobenzene	8.92	112	344656	4.988	ug/L	100
52) Ethylbenzene	9.05	91	556116	5.150	ug/L	99
53) m,p-xylene	9.18	106	208110	5.225	ug/L	99
54) o-xylene	9.59	106	206097	5.263	ug/L	99
55) Styrene	9.60	104	362283	5.393	ug/L	100
56) Isopropylbenzene	9.97	105	557112	5.302	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	113051	4.571	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	81913	4.765	ug/L	100
61) Bromoform	9.78	173	60053	4.731	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	274024	4.953	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	271503	4.782	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	266158	4.877	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	15198	4.052	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	204132	4.719	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	156526	4.506	ug/L	100
69) Naphthalene	13.55	128	213810	4.073	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	154280	4.502	ug/L	98

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