

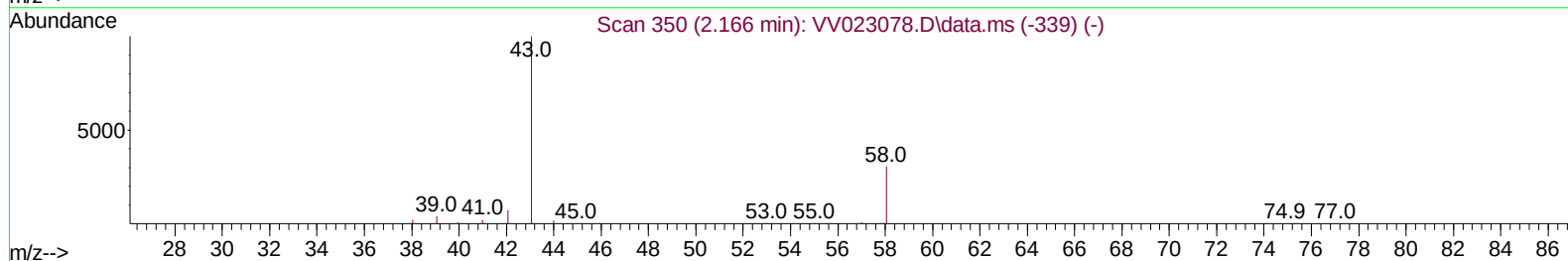
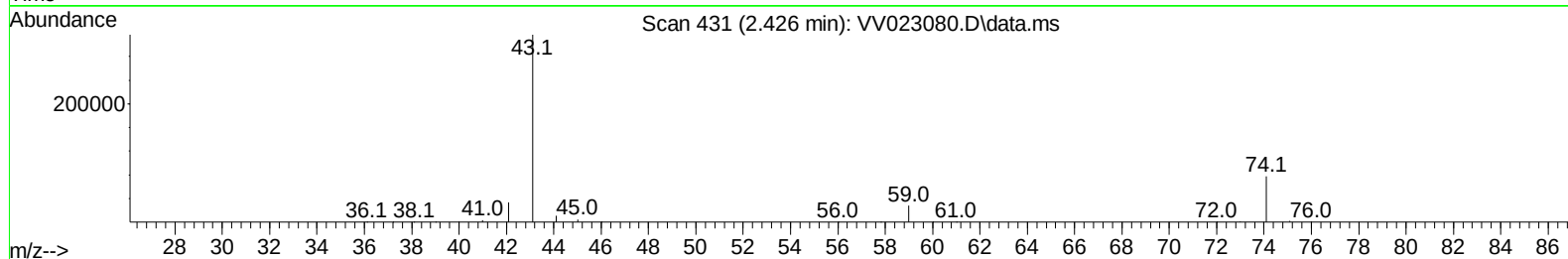
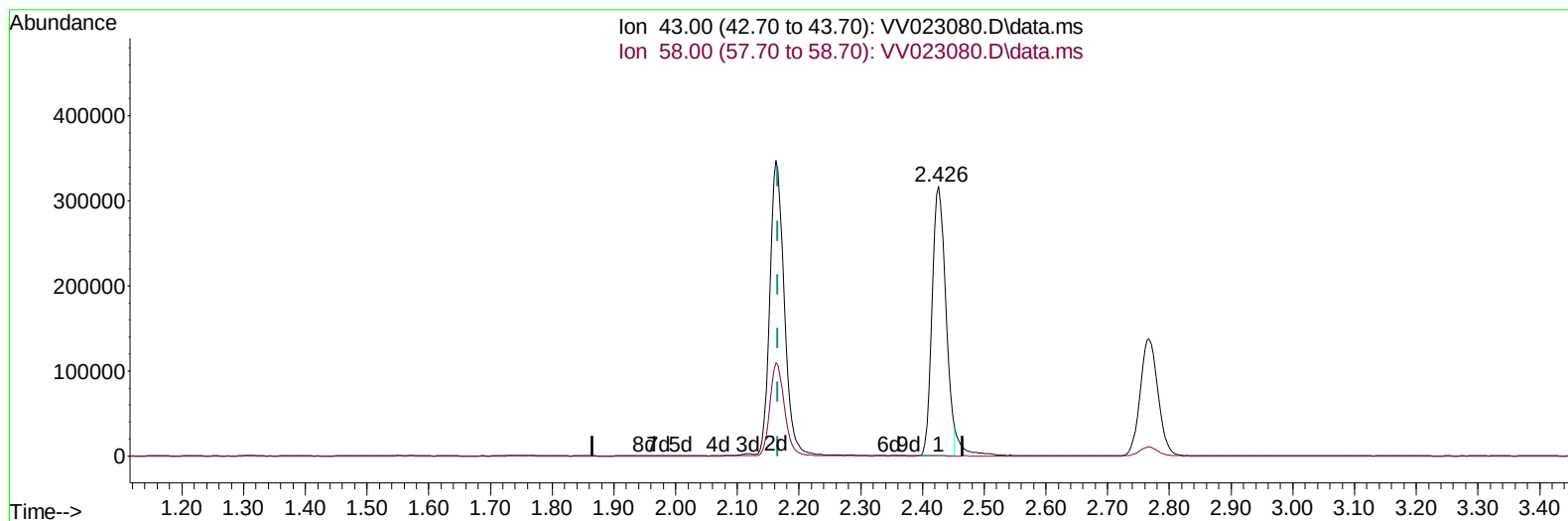
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102821\
 Data File : VV023080.D
 Acq On : 28 Oct 2021 17:14
 Operator : SY/MD
 Sample : VSTD20067
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200267

Manual Integrations
 APPROVED

SAM
 11/1/2021 6:35:38 PM

Quant Time: Oct 29 01:32:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 29 01:30:28 2021
 Response via : Initial Calibration



TIC: VV023080.D\data.ms

(13) Acetone (T)

2.426min (+ 0.260) 339.72 ug/L

response 489935

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	0.20	0.05
0.00	0.00	0.00
0.00	0.00	0.00

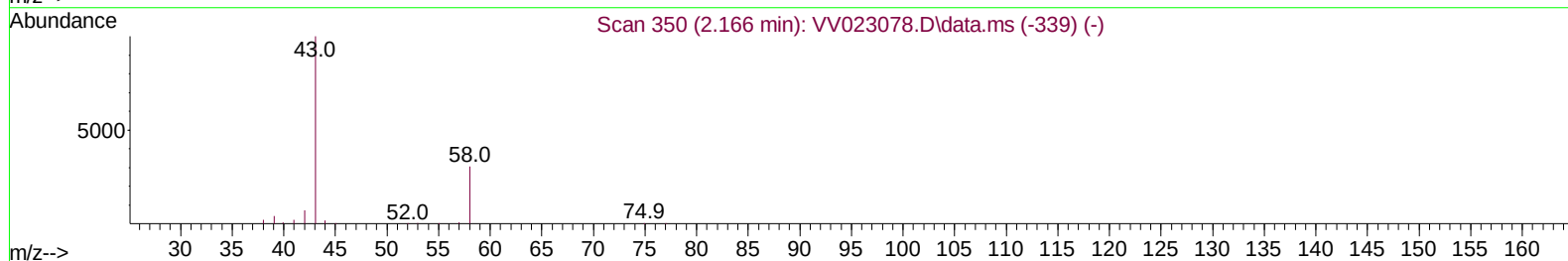
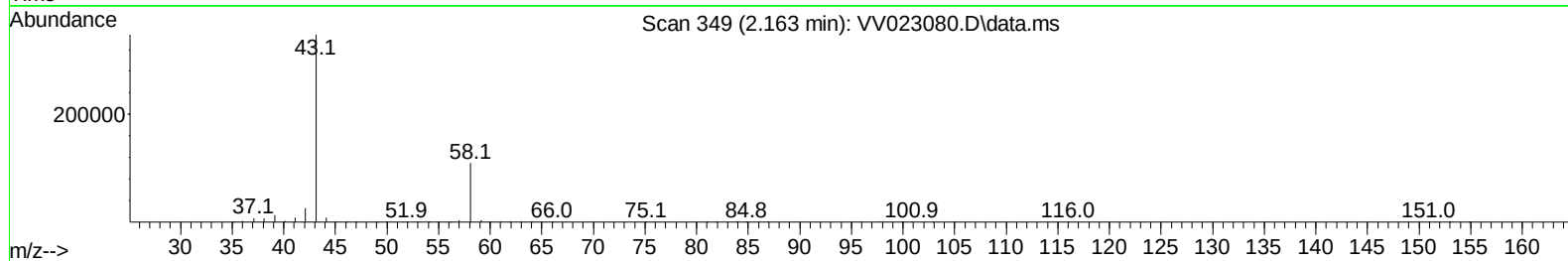
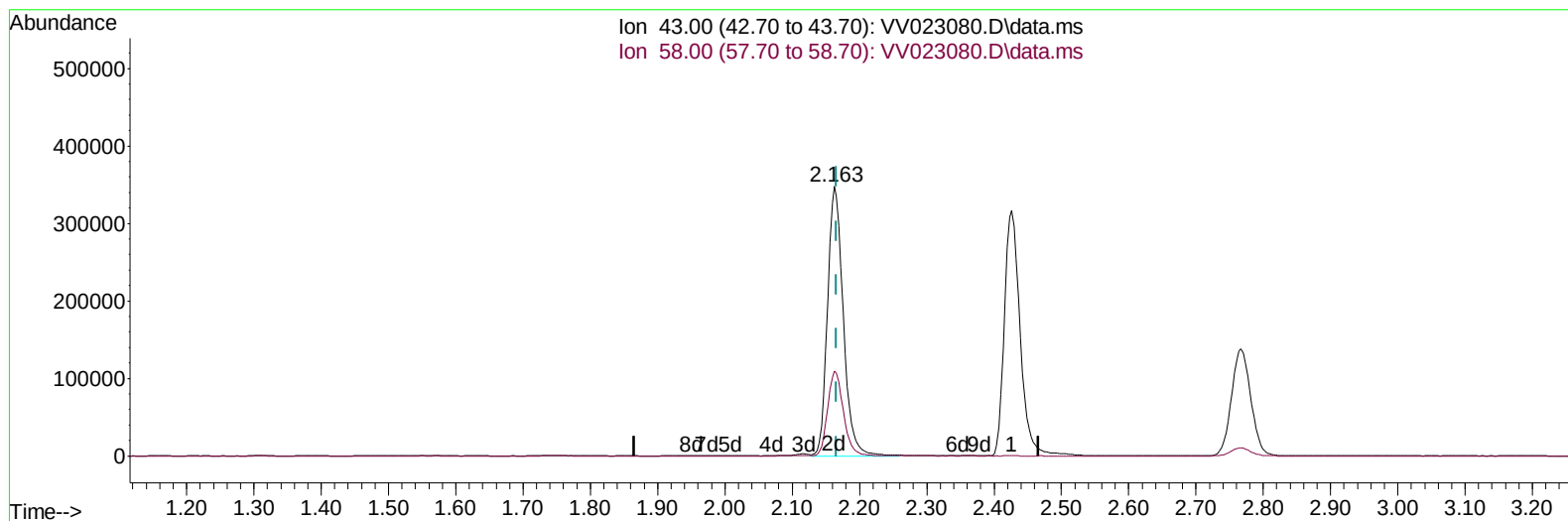
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102821\
 Data File : VV023080.D
 Acq On : 28 Oct 2021 17:14
 Operator : SY/MD
 Sample : VSTD20067
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200267

Manual Integrations
 APPROVED

SAM
 11/1/2021 6:35:38 PM

Quant Time: Oct 29 01:32:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 29 01:30:28 2021
 Response via : Initial Calibration



TIC: VV023080.D\data.ms

(13) Acetone (T)

2.163min (-0.003) 393.21 ug/L m

response 567070

Ion	Exp%	Act%
43.00	100.00	100.00
58.00	0.20	0.04
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102821\
 Data File : VV023080.D
 Acq On : 28 Oct 2021 17:14
 Operator : SY/MD
 Sample : VSTD20067
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200267

Manual Integrations
 APPROVED

SAM
 11/1/2021 6:35:38 PM

Quant Time: Oct 29 01:32:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 29 01:30:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	308457	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	305248	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	170265	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	419297	214.602	ug/L	0.00
7) Chloroethane-d5	1.561	69	288216	189.015	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.108	63	784882	205.548	ug/L	0.00
21) 2-Butanone-d5	3.870	46	694188	593.410	ug/L	0.00
24) Chloroform-d	4.349	84	883647	239.322	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.031	65	540188	251.558	ug/L	0.00
32) Benzene-d6	5.050	84	1703791	231.620	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.069	67	533625	235.419	ug/L	0.00
41) Toluene-d8	7.317	98	1584316	235.025	ug/L	0.00
43) trans-1,3-Dichloroprop...	7.619	79	278718	258.314	ug/L	0.00
47) 2-Hexanone-d5	8.085	63	534509	556.283	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.217	84	754382	237.544	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.625	152	660674	230.428	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	555064	180.182	ug/L	100
3) Chloromethane	1.240	50	515113	170.198	ug/L	98
5) Vinyl chloride	1.311	62	534807	184.666	ug/L	99
6) Bromomethane	1.516	94	274011	141.082	ug/L	98
8) Chloroethane	1.577	64	301037	170.988	ug/L	96
9) Trichlorofluoromethane	1.751	101	790791	195.477	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	415733	183.359	ug/L	98
12) 1,1-Dichloroethene	2.118	96	394613	184.163	ug/L	94
13) Acetone	2.163	43	567070m	393.210	ug/L	
14) Carbon disulfide	2.294	76	1222794	188.158	ug/L	100
15) Methyl Acetate	2.426	43	514595	207.295	ug/L	100
16) Methylene chloride	2.507	84	496190	182.067	ug/L	100
17) trans-1,2-Dichloroethene	2.761	96	464664	194.395	ug/L	99
18) Methyl tert-butyl Ether	2.767	73	1491953	204.075	ug/L	99
19) 1,1-Dichloroethane	3.188	63	847663	198.455	ug/L	100
20) cis-1,2-Dichloroethene	3.912	96	524199	205.445	ug/L	96
22) 2-Butanone	3.954	43	766773	421.124	ug/L	98
23) Bromochloromethane	4.246	128	278033	198.626	ug/L	98
25) Chloroform	4.375	83	877719	203.281	ug/L	97
27) 1,2-Dichloroethane	5.130	62	666008	211.319	ug/L	99
29) Cyclohexane	4.680	56	762698	211.494	ug/L	100
30) 1,1,1-Trichloroethane	4.609	97	793398	204.501	ug/L	100
31) Carbon tetrachloride	4.828	117	712257	207.997	ug/L	100
33) Benzene	5.101	78	1903893	199.019	ug/L	100
34) Trichloroethene	5.912	95	498632	201.525	ug/L	98
35) Methylcyclohexane	6.133	83	816277	214.700	ug/L	98
37) 1,2-Dichloropropane	6.172	63	491078	200.290	ug/L	100
38) Bromodichloromethane	6.510	83	673325	211.143	ug/L	99
39) cis-1,3-Dichloropropene	7.027	75	824228	224.396	ug/L	100
40) 4-Methyl-2-pentanone	7.227	43	1354988	398.020	ug/L	99
42) Toluene	7.387	91	2067563	205.192	ug/L	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102821\
 Data File : VV023080.D
 Acq On : 28 Oct 2021 17:14
 Operator : SY/MD
 Sample : VSTD20067
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200267

Manual Integrations
 APPROVED

SAM
 11/1/2021 6:35:38 PM

Quant Time: Oct 29 01:32:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM102821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Oct 29 01:30:28 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.651	75	801248	225.617	ug/L	98
45) 1,1,2-Trichloroethane	7.838	97	488650	194.294	ug/L	98
46) Tetrachloroethene	7.976	164	417581	200.101	ug/L	99
48) 2-Hexanone	8.140	43	1072410	402.747	ug/L	100
49) Dibromochloromethane	8.249	129	581908	212.582	ug/L	100
50) 1,2-Dibromoethane	8.352	107	535803	198.822	ug/L	97
51) Chlorobenzene	8.883	112	1352828	201.691	ug/L	100
52) Ethylbenzene	9.011	91	2267067	215.477	ug/L	99
53) m,p-Xylene	9.140	106	885624	212.574	ug/L	98
54) o-Xylene	9.545	106	856809	211.757	ug/L	96
55) Styrene	9.561	104	1497560	214.766	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.243	83	775340	198.308	ug/L	98
59) Bromoform	9.731	173	439648	208.584	ug/L	99
60) Isopropylbenzene	9.931	105	2288196	208.531	ug/L	99
61) 1,2,3-Trichloropropane	10.275	75	609851	187.552	ug/L	99
62) 1,3,5-Trimethylbenzene	10.538	105	1980862	215.418	ug/L	100
63) 1,2,4-Trimethylbenzene	10.915	105	1998056	217.775	ug/L	99
64) 1,3-Dichlorobenzene	11.182	146	1110417	199.966	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	1117770	193.940	ug/L	100
67) 1,2-Dichlorobenzene	11.645	146	1100111	194.871	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	186617	210.156	ug/L	99
69) 1,3,5-Trichlorobenzene	12.648	180	878682	213.308	ug/L	99
70) 1,2,4-trichlorobenzene	13.262	180	814529	220.811	ug/L	99
71) Naphthalene	13.503	128	2670451	221.072	ug/L	100
72) 1,2,3-Trichlorobenzene	13.744	180	816137	213.119	ug/L	99

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

Instrument :
MSVOA_V
ClientSampleId :
VSTD200267

SAM
11/1/2021 6:35:38 PM

Abundance

TIC: VV023080.D\data.ms

Time-->

Chemical compounds identified in the chromatogram (from left to right):

- 1,1,1-Trichloroethane, T
- 1,1,2-Trichloroethane, T
- 1,1,2,2-Tetrachloroethane, T
- 1,1,2,2,3-Pentachloroethane, T
- 1,1,2,2,3,3-Hexachloroethane, T
- 1,1,2,2,3,3,4-Heptachloroethane, T
- 1,1,2,2,3,3,4,4-Octachloroethane, T
- 1,1,2,2,3,3,4,4,5-Nonachloroethane, T
- 1,1,2,2,3,3,4,4,5,5-Decachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6-Undecachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6-Dodecachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7-Trichloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7-Tetrachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8-Pentachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Hexachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9-Heptachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-Octachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10-Nonachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10-Decachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11-Undecachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-Dodecachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12-Trichloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12-Tetrachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13-Pentachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13-Hexachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14-Heptachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14-Octachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15-Nonachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15-Decachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16-Trichloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16-Tetrachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17-Pentachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17-Hexachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18-Heptachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18-Octachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19-Nonachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19-Decachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20-Trichloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20-Tetrachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21-Pentachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21-Hexachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22-Heptachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22-Octachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23-Nonachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23-Decachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23,24-Trichloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23,24,24-Tetrachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23,24,24,25-Pentachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23,24,24,25,25-Hexachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,19,20,20,21,21,22,22,23,23,24,24,25,25,26-Heptachloroethane, T
- 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,19,1