

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081121\
 Data File : VX023641.D
 Acq On : 11 Aug 2021 09:20
 Operator : JC/MD
 Sample : VSTD01007
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 11 11:47:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML081121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 11 11:44:18 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	332827	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	301170	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	139662	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	17942	7.665	ug/L	0.00
7) Chloroethane-d5	1.666	69	14603	8.202	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.313	63	37632	8.493	ug/L	0.00
21) 2-Butanone-d5	4.465	46	33353	17.423	ug/L	0.00
24) Chloroform-d	5.068	84	38988	8.735	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.964	65	28015	9.464	ug/L	0.00
32) Benzene-d6	5.983	84	77733	8.518	ug/L	0.00
36) 1,2-Dichloropropane-d6	7.312	67	24421	8.508	ug/L	0.00
41) Toluene-d8	8.653	98	73626	8.762	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.952	79	10585	7.571	ug/L	0.00
47) 2-Hexanone-d5	9.391	63	22229	15.982	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	11.195	84	32965	8.414	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.323	152	25172	9.034	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	18852	7.916	ug/L	100
3) Chloromethane	1.294	50	18353	7.862	ug/L	98
5) Vinyl chloride	1.374	62	18347	7.282	ug/L	97
6) Bromomethane	1.605	94	12125	9.500	ug/L	95
8) Chloroethane	1.691	64	11900	7.918	ug/L	94
9) Trichlorofluoromethane	1.892	101	30999	8.561	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	17937	8.334	ug/L	98
12) 1,1-Dichloroethene	2.325	96	15241	7.504	ug/L	98
13) Acetone	2.386	43	30042	21.043	ug/L	94
14) Carbon disulfide	2.514	76	29649	5.358	ug/L	95
15) Methyl Acetate	2.715	43	22349	8.182	ug/L	95
16) Methylene chloride	2.794	84	19330	7.713	ug/L	91
17) trans-1,2-Dichloroethene	3.093	96	16543	7.484	ug/L	92
18) Methyl tert-butyl Ether	3.123	73	59962	7.874	ug/L #	96
19) 1,1-Dichloroethane	3.617	63	32897	7.876	ug/L	95
20) cis-1,2-Dichloroethene	4.495	96	19653	7.741	ug/L	92
22) 2-Butanone	4.568	43	37636	17.472	ug/L	92
23) Bromochloromethane	4.910	128	10049	8.360	ug/L	98
25) Chloroform	5.099	83	36114	8.386	ug/L	96
27) 1,2-Dichloroethane	6.092	62	29184	8.566	ug/L	97
29) Cyclohexane	5.483	56	27040	7.066	ug/L	96
30) 1,1,1-Trichloroethane	5.397	97	29570m	8.135	ug/L	
31) Carbon tetrachloride	5.684	117	23967	7.937	ug/L	99
33) Benzene	6.044	78	74297	7.903	ug/L	100
34) Trichloroethene	7.129	95	19311	8.013	ug/L	90
35) Methylcyclohexane	7.385	83	26906	6.907	ug/L	98
37) 1,2-Dichloropropane	7.440	63	19644	7.996	ug/L	100
38) Bromodichloromethane	7.830	83	23456	7.698	ug/L	95
39) cis-1,3-Dichloropropene	8.372	75	26700	7.145	ug/L	99
40) 4-Methyl-2-pentanone	8.580	43	62488	16.116	ug/L #	90
42) Toluene	8.720	91	79819	7.932	ug/L	98
44) trans-1,3-Dichloropropene	8.982	75	26160	7.087	ug/L	99

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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

45) 1,1,2-Trichloroethane	9.159	97	20148	8.482	ug/L	99
46) Tetrachloroethene	9.275	164	14799	8.907	ug/L	92
48) 2-Hexanone	9.433	43	52582	16.911	ug/L #	86
49) Dibromochloromethane	9.525	129	17641	7.719	ug/L	98
50) 1,2-Dibromoethane	9.616	107	19889	8.129	ug/L	97
51) Chlorobenzene	10.079	112	53478	8.386	ug/L	98
52) Ethylbenzene	10.195	91	85641	7.673	ug/L	94
53) m,p-Xylene	10.305	106	31637	7.392	ug/L	97
54) o-Xylene	10.646	106	32499	7.811	ug/L	94
55) Styrene	10.659	104	52277	7.454	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	30899	8.060	ug/L	93
59) Bromoform	10.805	173	12293	8.478	ug/L	98
60) Isopropylbenzene	10.963	105	85532	7.784	ug/L	100
61) 1,2,3-Trichloropropane	11.244	75	27136	8.575	ug/L	98
62) 1,3,5-Trimethylbenzene	11.457	105	67479	7.329	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	70448	7.575	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	38416	8.519	ug/L	97
65) 1,4-Dichlorobenzene	12.043	146	37802	8.367	ug/L	96
67) 1,2-Dichlorobenzene	12.341	146	37583	8.308	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.945	75	5437	6.950	ug/L	91
69) 1,3,5-Trichlorobenzene	13.116	180	25110	8.538	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	20480	7.764	ug/L	99
71) Naphthalene	13.780	128	70091	6.574	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	21727	8.188	ug/L	99

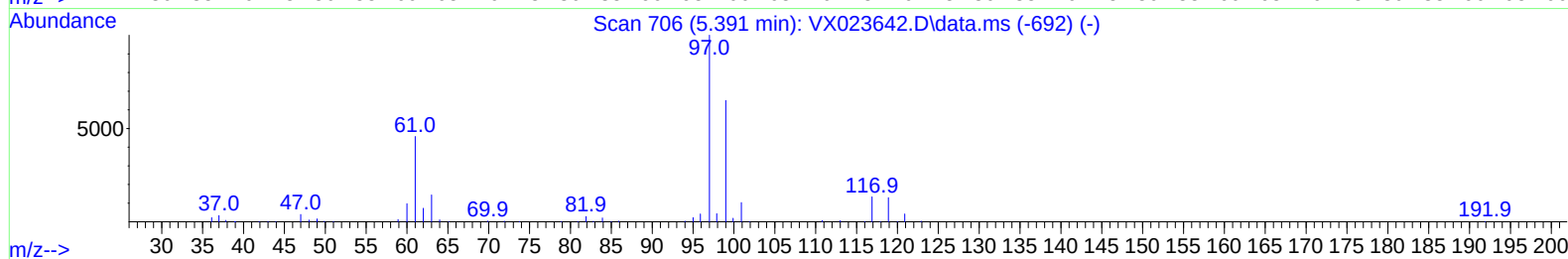
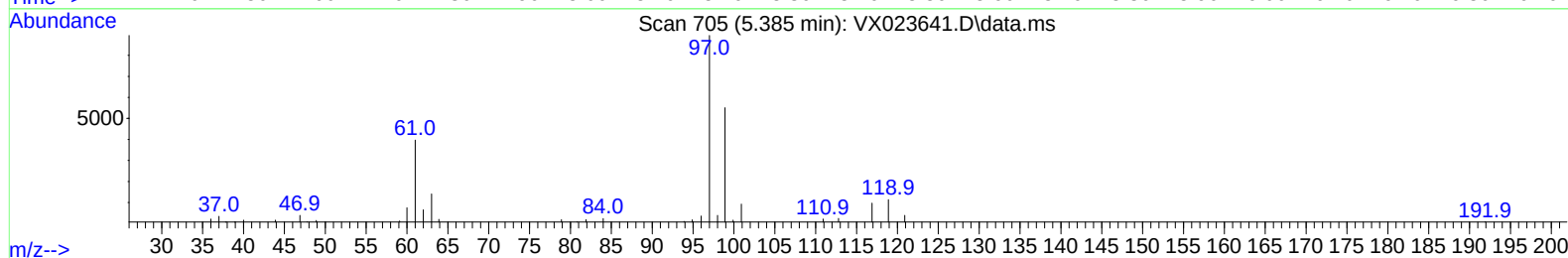
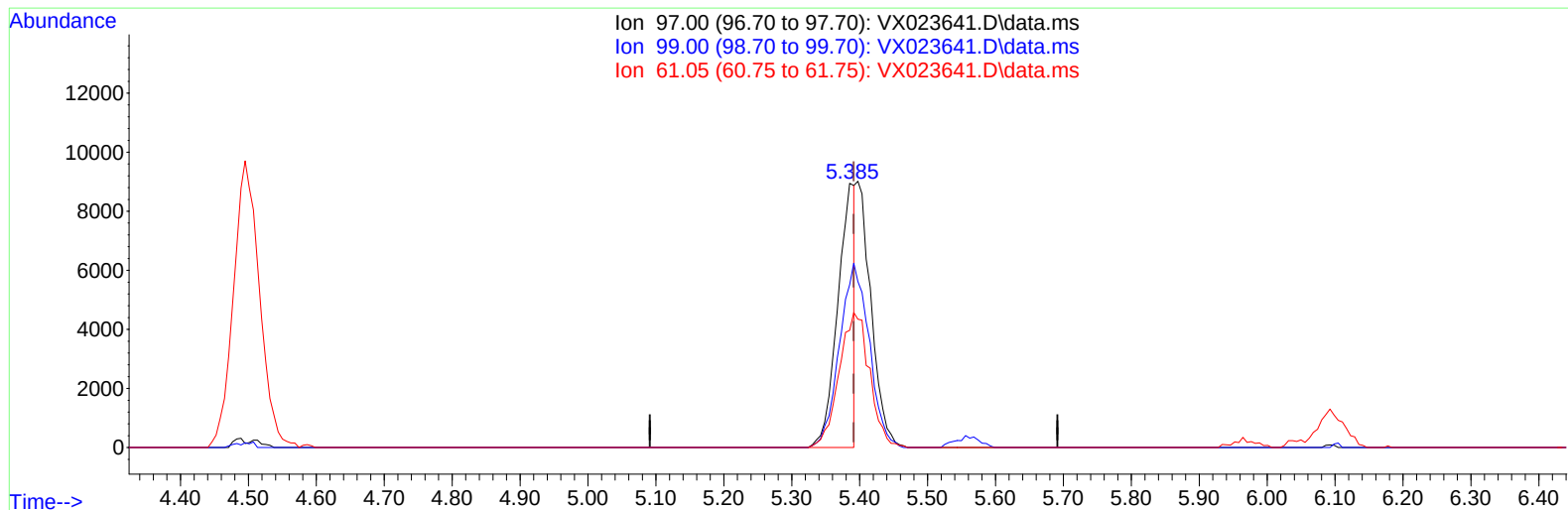
(#) = qualifier out of range (m) = manual integration (+) = signals summed

The chromatogram displays a series of peaks representing different chemical compounds. The y-axis, labeled 'Abundance', ranges from 0 to 850,000. The x-axis, labeled 'Time-->', ranges from 0 to 16.00 minutes. The following table lists the compounds identified in the chromatogram, along with their approximate retention times and relative abundances.

Compound	Approx. Retention Time (min)	Approx. Abundance
Dichlorodifluoromethane, T	1.5	15,000
Chloroethane, S	1.8	10,000
Trichlorofluoromethane, T	2.0	15,000
1,1-Dichloroethane, T	2.2	15,000
Acetone, T	2.5	10,000
Carbon disulfide, T	2.8	10,000
Methyl chloride, T	3.0	10,000
trans-1,2-Dichloroethene, T	3.2	10,000
1,1-Dichloroethane, T	3.5	10,000
2-Butanone, T	4.5	10,000
Bromochloromethane, T	5.0	10,000
Chloroform, S	5.2	10,000
1,1-Dichloroethane, T	5.5	10,000
Carbon tetrachloride, T	5.8	10,000
1,2-Dichloroethane, T	6.0	10,000
1,4-Difluorobenzene, I	6.8	340,000
Trichloroethene, T	7.2	10,000
1,2-Dichloroethane, S	7.5	10,000
Bromodichloromethane, T	8.0	10,000
cis-1,3-Dichloropropene, T	8.5	10,000
4-Methylpentane, T	8.8	10,000
trans-1,3-Dichloropropene, T	9.0	10,000
1,1-Dichloroethane, T	9.2	10,000
1,2-Dichloroethane, T	9.5	10,000
1,2-Dichloroethane, T	9.8	10,000
1,2-Dichloroethane, T	10.0	10,000
Chlorobenzene, T	10.2	10,000
Chlorobenzene-d5, I	10.5	640,000
m,p-Xylene, T	10.8	10,000
Bromoform, T	11.0	10,000
Styrene (α-Xylene, T	11.2	10,000
Isopropylbenzene	11.5	10,000
1,3,5-Trimethylbenzene	11.8	10,000
1,2,4-Trimethylbenzene	12.0	10,000
1,3-Dichlorobenzene, T	12.2	10,000
1,2-Dichlorobenzene, T	12.5	10,000
1,2-Dichlorobenzene-d4, S	12.8	10,000
1,2-Dibromo-3-chloropropane, T	13.2	10,000
1,3,5-Trichlorobenzene	13.5	10,000
1,2,4-trichlorobenzene, T	14.0	10,000
Naphthalene	14.2	10,000
1,2,3-Trichlorobenzene, T	14.5	10,000

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081121\Not Reviewed Data\
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Quant Time: Aug 12 18:01:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML081121WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Aug 11 12:02:06 2021
 Response via : Initial Calibration



TIC: VX023641.D\data.ms

(30) 1,1,1-Trichloroethane (T)

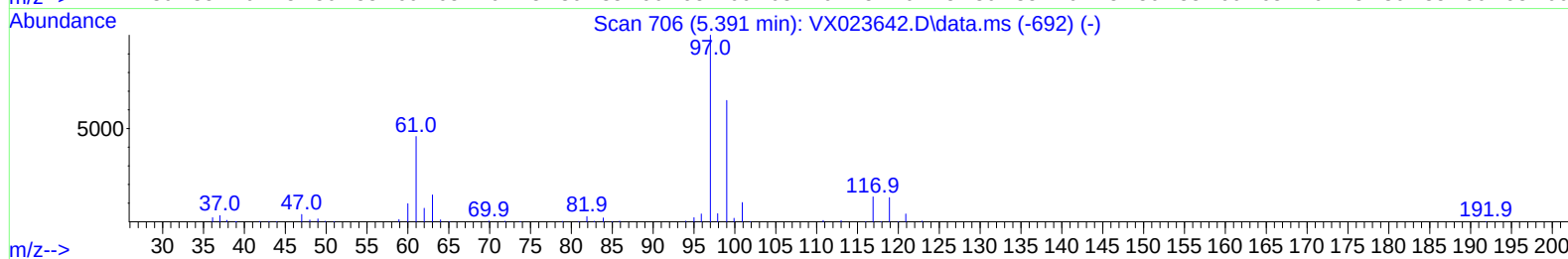
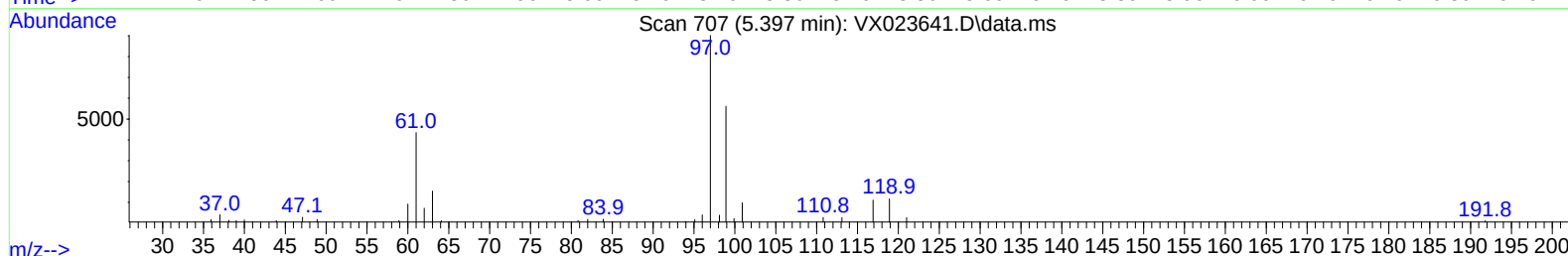
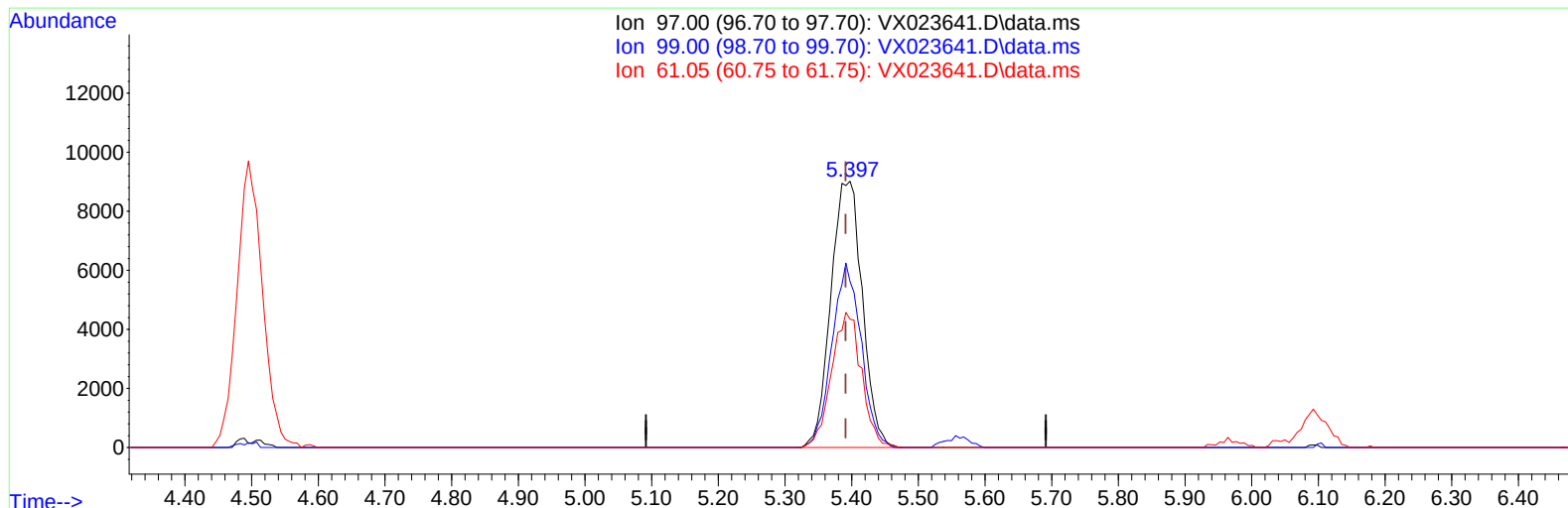
5.385min (-0.006) 4.84 ug/L

response 15758

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	65.10	120.15#
61.05	44.10	90.28#
0.00	0.00	0.00

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TIC: VX023641.D\data.ms

(30) 1,1,1-Trichloroethane (T)

5.397min (+ 0.006) 8.14 ug/L m

response 29570

Ion	Exp%	Act%
97.00	100.00	100.00
99.00	65.10	64.03
61.05	44.10	48.11
0.00	0.00	0.00