

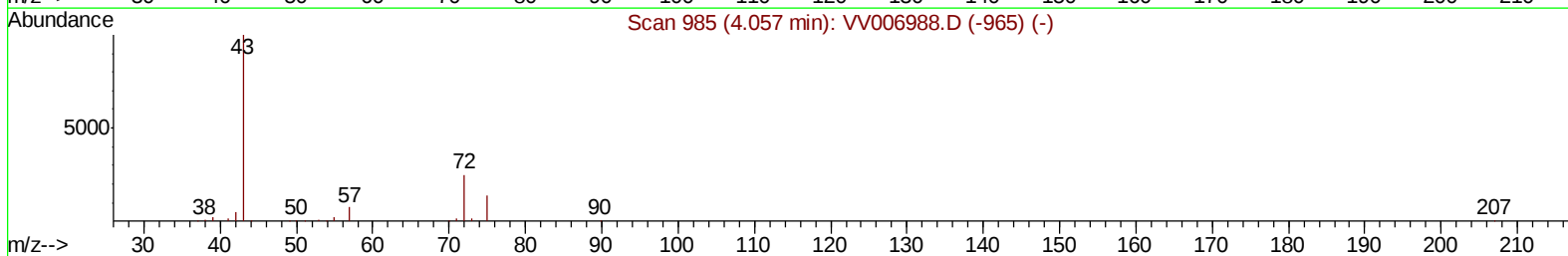
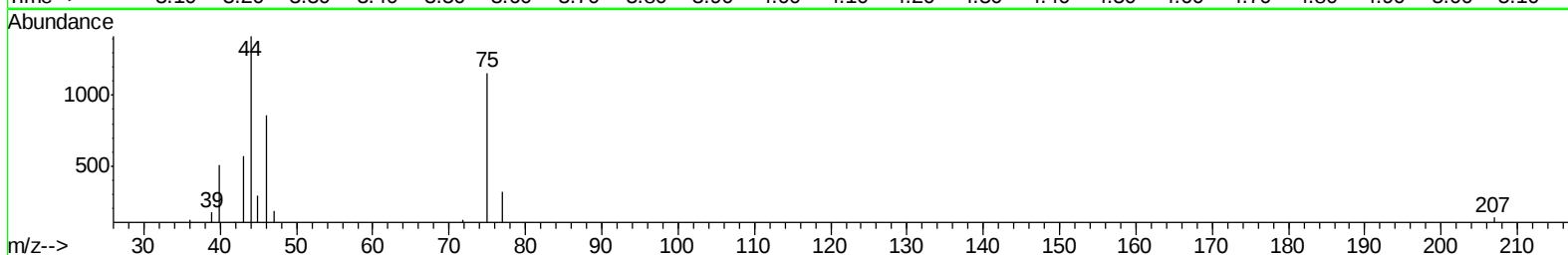
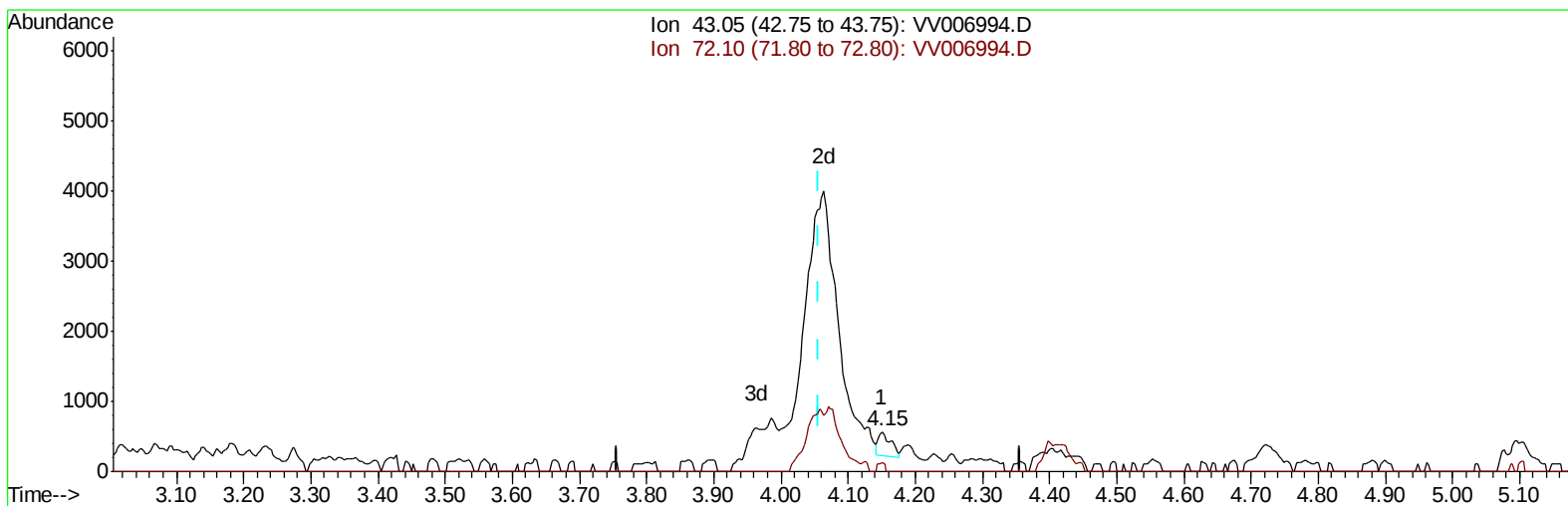
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\
Data File : VV006994.D
Acq On : 10 Aug 2018 20:02
Operator : SY/MD
Sample : MDL05
Misc : 25 mL/MSVOA V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations
APPROVED

apatel
8/13/2018 5:35:20 PM

Quant Time: Aug 11 00:21:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR080918WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Aug 11 00:19:35 2018
Response via : Initial Calibration



TIC: VV006994.D

(21) 2-Butanone (T)

4.151min (+0.093) 0.09ug/L

response 438

Ion	Exp%	Act%
43.05	100	100
72.10	24.80	19.63
0.00	0.00	0.00
0.00	0.00	0.00

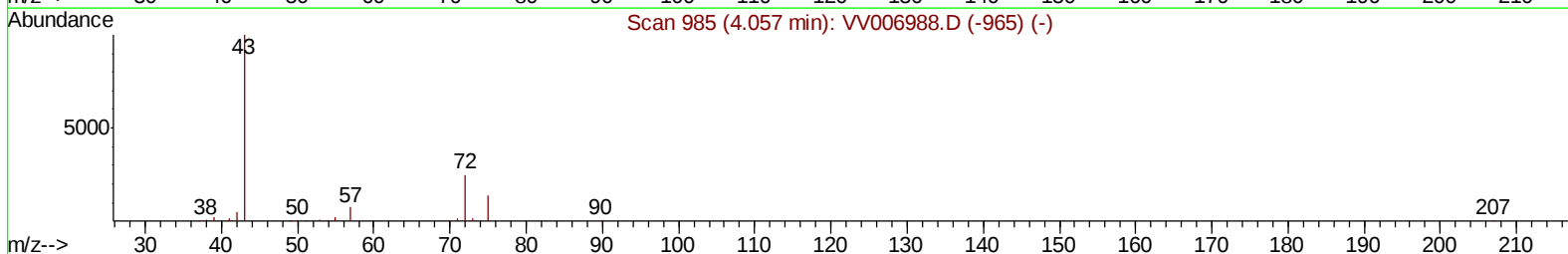
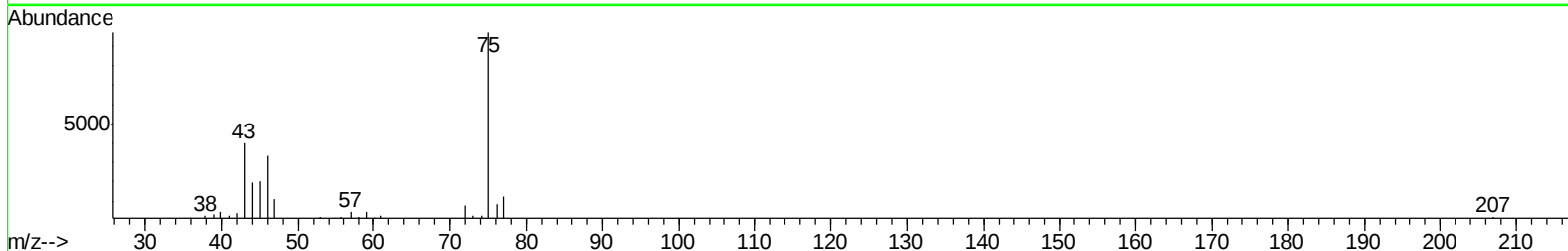
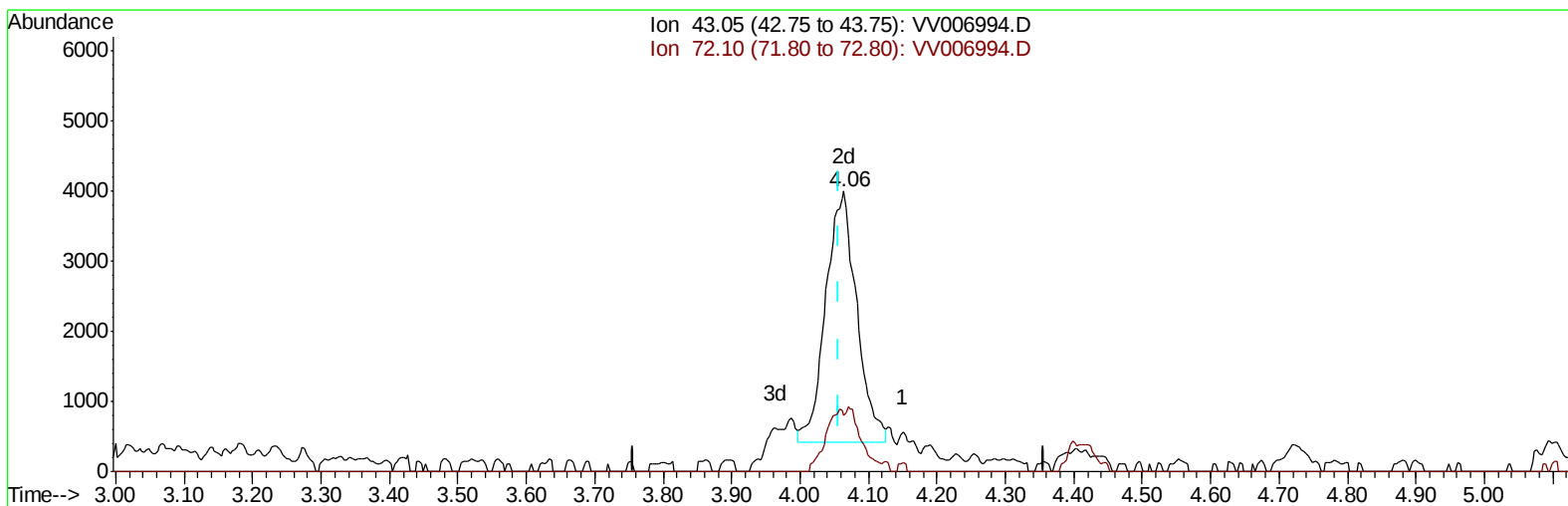
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TIC: VV006994.D

(21) 2-Butanone (T)

4.064min (+0.006) 2.25ug/L m

response 11164

Ion	Exp%	Act%
43.05	100	100
72.10	24.80	0.77#
0.00	0.00	0.00
0.00	0.00	0.00

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	239204	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	231278	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	93643	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	66701	4.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.40%
7) Chloroethane-d5	1.58	69	59946	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.60%
11) 1,1-Dichloroethene-d2	2.13	63	91249	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	3.97	46	259056	58.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.68%
24) Chloroform-d	4.41	84	156546	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
26) 1,2-Dichloroethane-d4	5.09	65	83362	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.10	84	283507	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.12	67	103261	5.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.60%
41) Toluene-d8	7.37	98	212396	4.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.00%
43) trans-1,3-Dichloropropene-	7.67	79	30701	4.34	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.80%
46) 2-Hexanone-d5	8.15	63	133566	46.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.44%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	80984	5.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	82250	5.05	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	4147	0.178	ug/L #	80
3) Chloromethane	1.25	50	4918	0.219	ug/L	100
5) Vinyl chloride	1.32	62	4374	0.189	ug/L #	61
6) Bromomethane	1.53	94	1096	0.218	ug/L	99
8) Chloroethane	1.60	64	3073	0.219	ug/L	93
9) Trichlorofluoromethane	1.77	101	5914	0.201	ug/L	89
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4136	0.234	ug/L	92
12) 1,1-Dichloroethene	2.14	96	4316	0.251	ug/L #	1
13) Acetone	2.21	43	6052	2.647	ug/L	92
14) Carbon disulfide	2.32	76	11945	0.211	ug/L	99
15) Methyl Acetate	2.47	43	1603	0.249	ug/L #	81
16) Methylene chloride	2.54	84	6862	0.331	ug/L	85
17) Methyl tert-butyl Ether	2.82	73	8903	0.216	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	4169	0.227	ug/L	95
19) 1,1-Dichloroethane	3.23	63	6700	0.202	ug/L	97
21) 2-Butanone	4.06	43	11164m	2.249	ug/L	
22) cis-1,2-Dichloroethene	3.96	96	4661	0.223	ug/L	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.30	128	2030	0.239	ug/L #	70
25) Chloroform	4.43	83	8402	0.231	ug/L	91
27) 1,2-Dichloroethane	5.19	62	4864	0.215	ug/L	100
29) 1,1,1-Trichloroethane	4.66	97	6209	0.201	ug/L	99
30) Cyclohexane	4.73	56	5429	0.169	ug/L	96
31) Carbon tetrachloride	4.87	117	4805	0.186	ug/L #	65
33) Benzene	5.15	78	15109	0.189	ug/L	100
34) Trichloroethene	5.97	95	4177	0.217	ug/L	96
35) Methylcyclohexane	6.18	83	5464	0.177	ug/L	98
37) 1,2-Dichloropropane	6.23	63	4562	0.208	ug/L	98
38) Bromodichloromethane	6.56	83	5076	0.204	ug/L	89
39) cis-1,3-Dichloropropene	7.08	75	4587	0.173	ug/L	87
40) 4-Methyl-2-pentanone	7.29	43	19341	1.633	ug/L #	88
42) Toluene	7.44	91	15420	0.200	ug/L	91
44) trans-1,3-Dichloropropene	7.70	75	4238	0.195	ug/L	92
45) 1,1,2-Trichloroethane	7.89	97	2819	0.198	ug/L	93
47) Tetrachloroethene	8.02	164	3252	0.209	ug/L	98
48) 2-Hexanone	8.20	43	37302	4.464	ug/L	94
49) Dibromochloromethane	8.30	129	3261	0.218	ug/L	91
50) 1,2-Dibromoethane	8.41	107	2591	0.215	ug/L #	95
51) Chlorobenzene	8.93	112	9970	0.203	ug/L	97
52) Ethylbenzene	9.06	91	13949	0.181	ug/L	93
53) m,p-xylene	9.19	106	4900	0.171	ug/L	82
54) o-xylene	9.59	106	4807	0.177	ug/L	75
55) Styrene	9.61	104	6644	0.145	ug/L	94
56) Isopropylbenzene	9.98	105	10927	0.153	ug/L #	94
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	3718	0.214	ug/L #	94
59) 1,2,3-Trichloropropane	10.32	75	2351	0.192	ug/L #	72
61) Bromoform	9.78	173	1505	0.212	ug/L #	96
62) 1,3-Dichlorobenzene	11.24	146	5851	0.193	ug/L	94
63) 1,4-Dichlorobenzene	11.33	146	6401	0.206	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	6054	0.203	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.49	75	460	0.217	ug/L #	46
67) 1,3,5-Trichlorobenzene	12.70	180	4394	0.192	ug/L	93
68) 1,2,4-trichlorobenzene	13.31	180	2402	0.143	ug/L	94
69) Naphthalene	13.57	128	3283	0.136	ug/L #	90
70) 1,2,3-Trichlorobenzene	13.80	180	2721	0.168	ug/L	90

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

