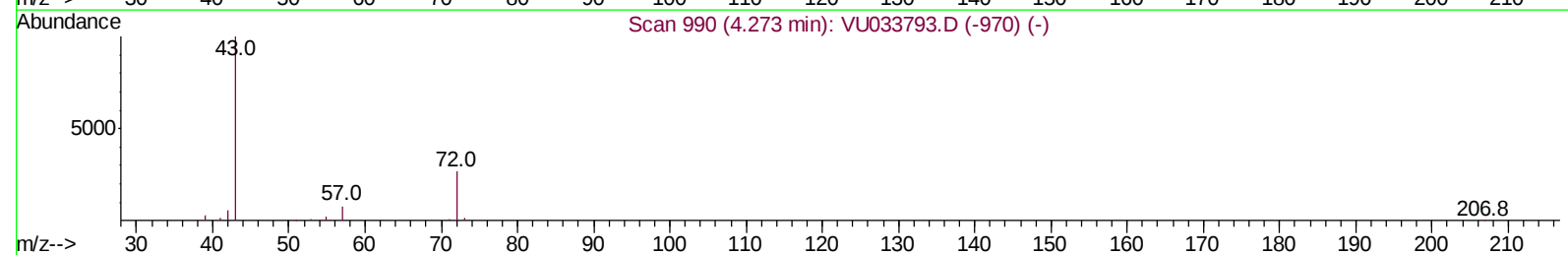
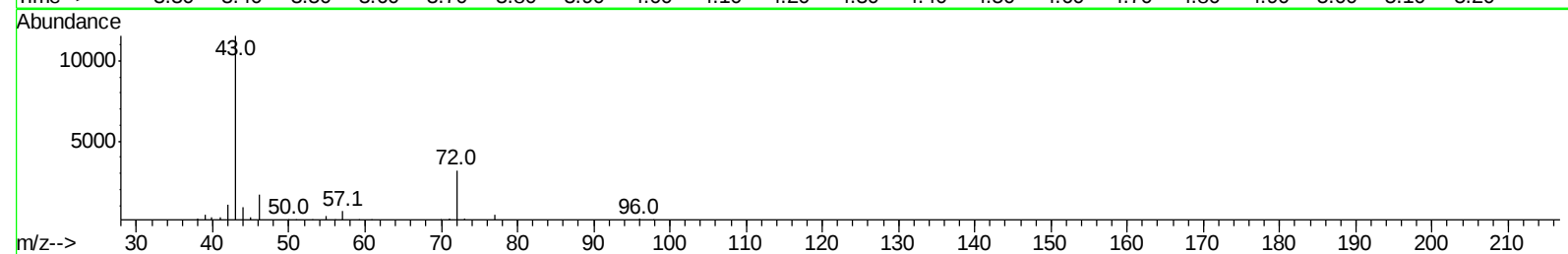
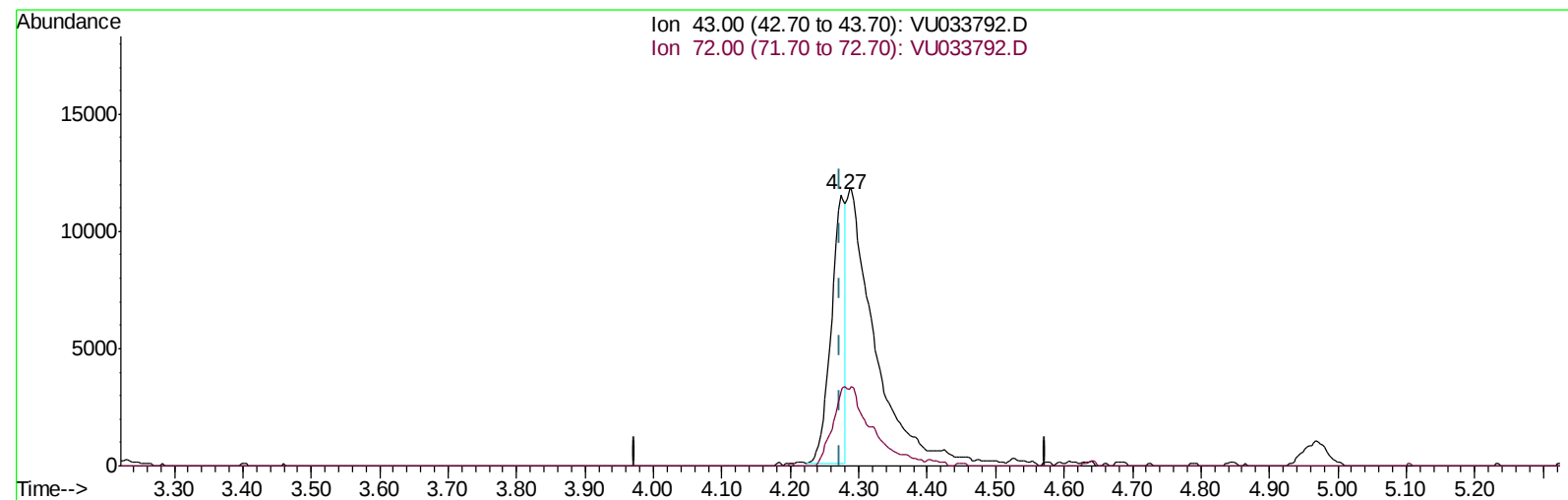


Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081419\
Data File : VU033792.D
Acq On : 14 Aug 2019 10:26
Operator : JC/SP
Sample : VSTD00105
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 14:22:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Aug 15 14:18:33 2019
Response via : Initial Calibration



TIC: VU033792.D

(21) 2-Butanone (T)

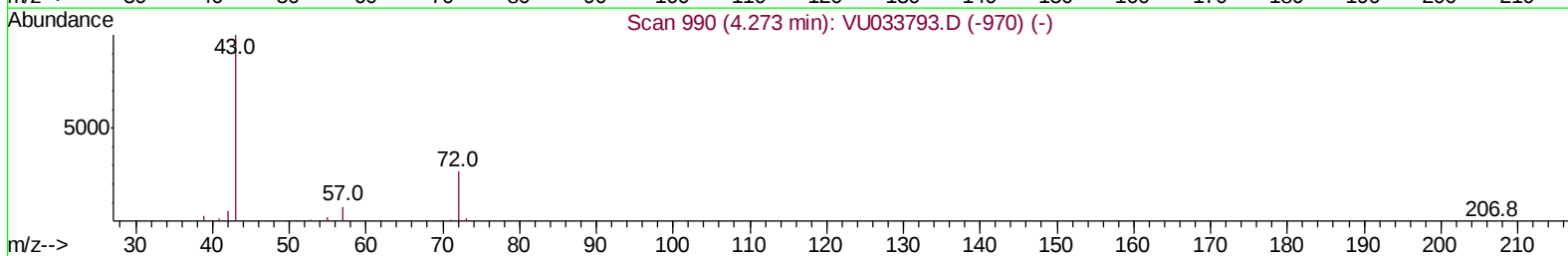
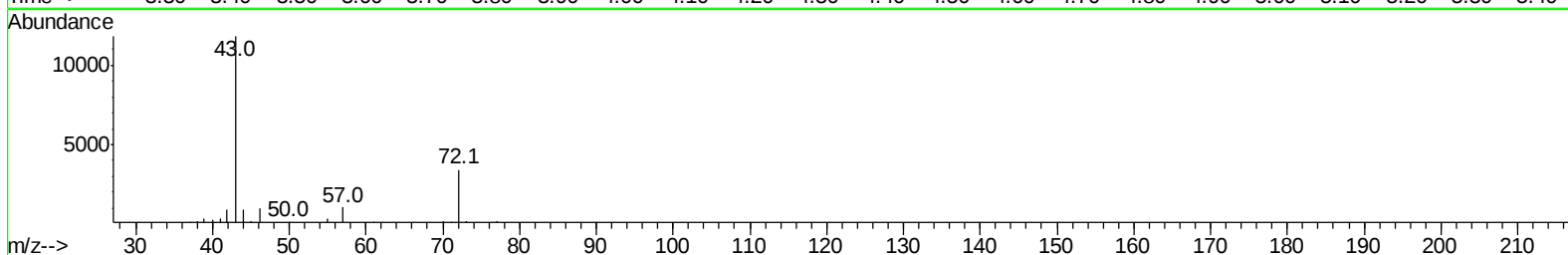
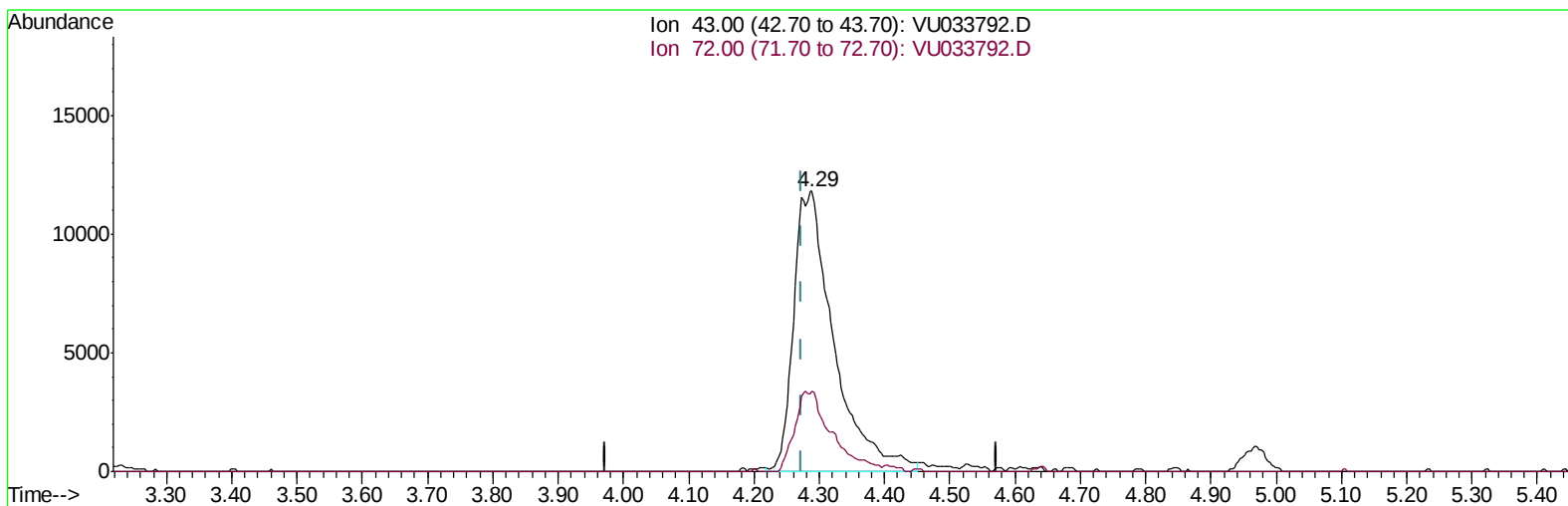
4.273min (+0.000) 3.56ug/L

response 16184

Ion	Exp%	Act%
43.00	100	100
72.00	26.10	35.03
0.00	0.00	0.00
0.00	0.00	0.00

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Response via : Initial Calibration



TIC: VU033792.D

(21) 2-Butanone (T)

4.289min (+0.016) 11.16ug/L m

response 50757

Ion	Exp%	Act%
43.00	100	100
72.00	26.10	11.17#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU081419\
 Data File : VU033792.D
 Acq On : 14 Aug 2019 10:26
 Operator : JC/SP
 Sample : VSTD00105
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 14:29:16 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMUTR081419WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Aug 15 14:18:33 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	158666	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	165968	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.47	152	83278	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	18844	1.05	ug/L	0.00
7) Chloroethane-d5	1.67	69	15321	1.09	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.26	65	8940	1.08	ug/L	0.00
20) 2-Butanone-d5	4.20	46	35469	10.22	ug/L	0.00
24) Chloroform-d	4.62	84	29109	1.09	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.29	65	15367	1.10	ug/L	0.00
32) Benzene-d6	5.32	84	51053	1.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.31	67	17253	1.07	ug/L	0.00
41) Toluene-d8	7.55	98	45772	0.98	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.84	79	6228	0.97	ug/L	0.00
46) 2-Hexanone-d5	8.31	63	21116	8.28	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.42	84	14393	1.03	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.85	152	17447	1.03	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.20	85	26425	1.149 ug/L	98
3) Chloromethane	1.32	50	27258	1.142 ug/L	100
5) Vinyl chloride	1.39	62	30231	1.162 ug/L	98
6) Bromomethane	1.62	94	17283	1.141 ug/L	98
8) Chloroethane	1.69	64	17630	1.147 ug/L	98
9) Trichlorofluoromethane	1.88	101	40531	1.137 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	22773	1.204 ug/L	97
12) 1,1-Dichloroethene	2.27	96	20187	1.104 ug/L	90
13) Acetone	2.35	43	43111	11.696 ug/L	98
14) Carbon disulfide	2.46	76	72190	1.163 ug/L	100
15) Methyl Acetate	2.62	43	10193	1.060 ug/L	94
16) Methylene chloride	2.68	84	25576	1.198 ug/L	93
17) Methyl tert-butyl Ether	2.99	73	54508	1.151 ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	21780	1.109 ug/L	94
19) 1,1-Dichloroethane	3.42	63	36184	1.179 ug/L	99
21) 2-Butanone	4.29	43	50757m	11.160 ug/L	
22) cis-1,2-Dichloroethene	4.20	96	18842	1.125 ug/L	94
23) Bromochloromethane	4.53	128	8993	1.120 ug/L	93
25) Chloroform	4.65	83	38824	1.175 ug/L	96
27) 1,2-Dichloroethane	5.39	62	23414	1.150 ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	30792	1.140 ug/L	98
30) Cyclohexane	4.97	56	24555	1.004 ug/L	99
31) Carbon tetrachloride	5.11	117	26780	1.114 ug/L	99
33) Benzene	5.37	78	70959	1.069 ug/L	100
34) Trichloroethene	6.16	95	19702	1.132 ug/L	96
35) Methylcyclohexane	6.39	83	25288	0.969 ug/L	97
37) 1,2-Dichloropropane	6.41	63	19493	1.087 ug/L	98
38) Bromodichloromethane	6.74	83	25300	1.118 ug/L	98
39) cis-1,3-Dichloropropene	7.25	75	24561	1.015 ug/L	97
40) 4-Methyl-2-pentanone	7.45	43	105468	10.175 ug/L	97

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Quant Title : TRACE VOA SOM01.0

QLast Update : Thu Aug 15 14:18:33 2019

Response via : Initial Calibration

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

42) Toluene	7.62	91	72602	1.041	ug/L	96
44) trans-1,3-Dichloropropene	7.87	75	20977	1.037	ug/L	99
45) 1,1,2-Trichloroethane	8.05	97	14598	1.139	ug/L	98
47) Tetrachloroethene	8.21	164	16070	1.107	ug/L	91
48) 2-Hexanone	8.35	43	73606	9.819	ug/L	96
49) Dibromochloromethane	8.46	129	16490	1.061	ug/L	94
50) 1,2-Dibromoethane	8.57	107	13598	1.097	ug/L	88
51) Chlorobenzene	9.10	112	48729	1.085	ug/L	99
52) Ethylbenzene	9.23	91	70260	0.973	ug/L	100
53) m,p-Xylene	9.36	106	25499	0.937	ug/L	95
54) o-Xylene	9.76	106	24363	0.943	ug/L	98
55) Styrene	9.78	104	40502	0.903	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.44	83	19103	1.135	ug/L	98
59) Isopropylbenzene	10.15	105	63555	1.001	ug/L	100
60) Bromoform	9.94	173	9584	1.127	ug/L	97
61) 1,2,3-Trichloropropane	10.48	75	12874	0.357	ug/L	97
62) 1,3,5-Trimethylbenzene	10.76	105	48393	0.939	ug/L	99
63) 1,2,4-Trimethylbenzene	11.13	105	47509	0.924	ug/L	98
64) 1,3-Dichlorobenzene	11.40	146	38185	1.125	ug/L	98
65) 1,4-Dichlorobenzene	11.49	146	38340	1.097	ug/L	99
67) 1,2-Dichlorobenzene	11.86	146	36001	1.098	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.65	75	2594	1.075	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.87	180	27650	1.035	ug/L	96
70) 1,2,4-trichlorobenzene	13.49	180	20920	1.007	ug/L	98
71) Naphthalene	13.73	128	27339	0.854	ug/L	97
72) 1,2,3-Trichlorobenzene	13.98	180	18926	0.966	ug/L	96

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

