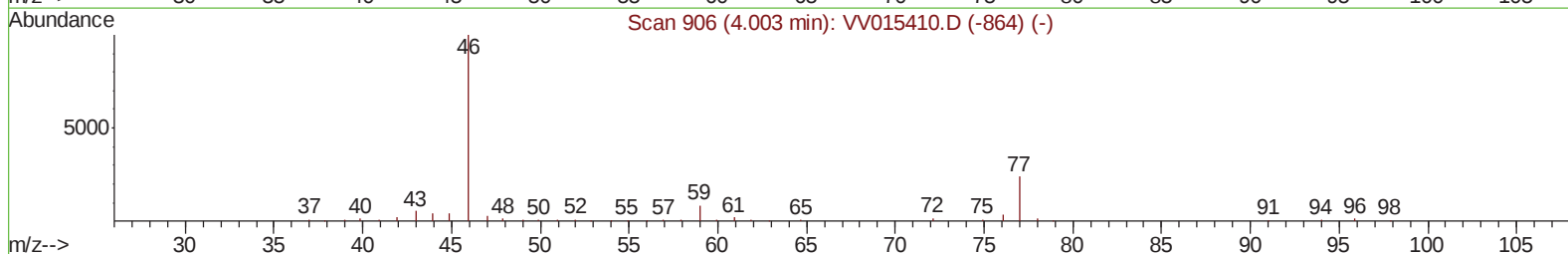
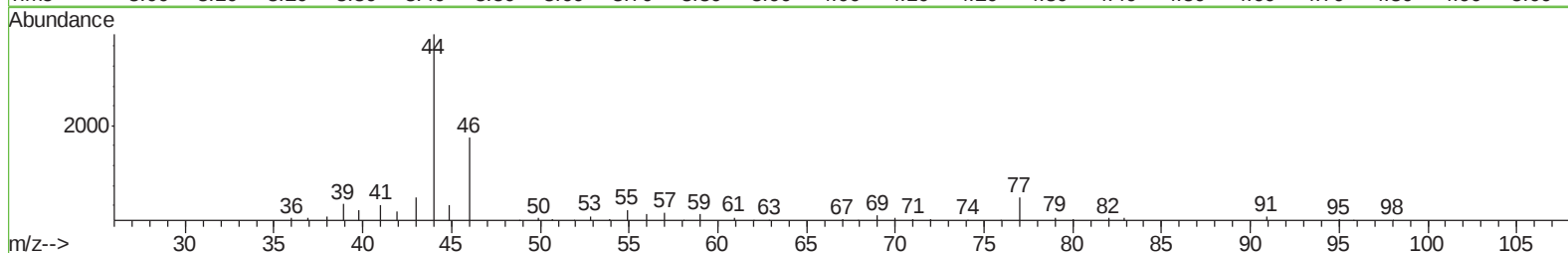
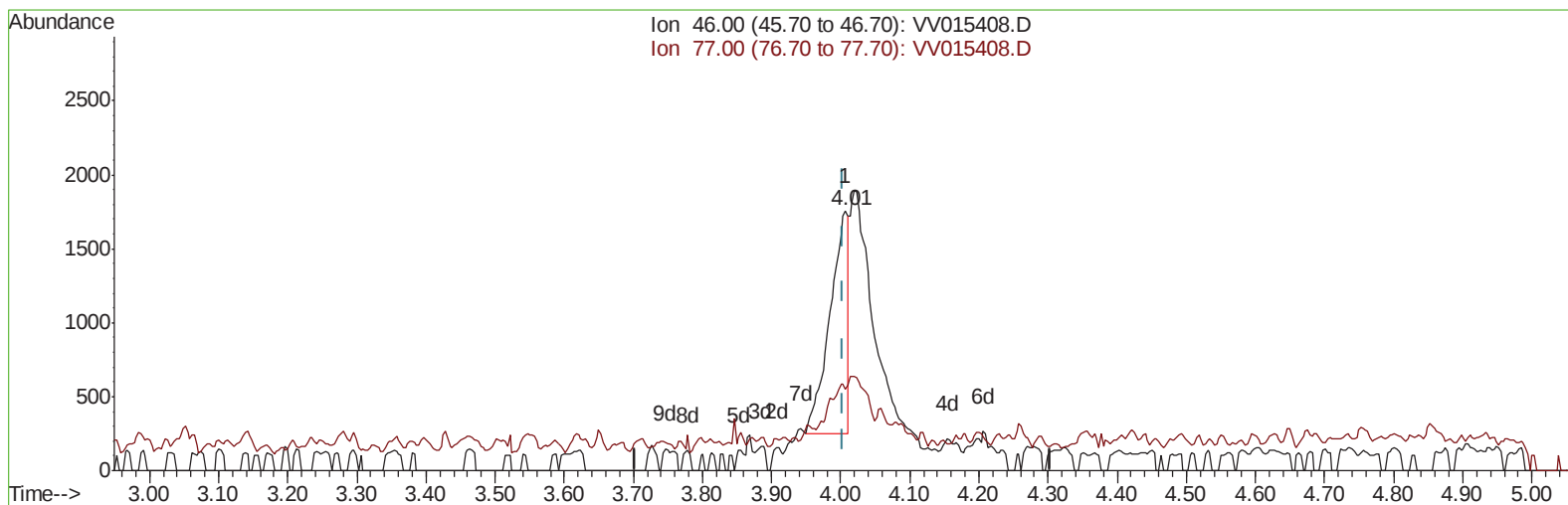


Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040620\
 Data File : VV015406.D
 Acq On : 06 Apr 2020 13:08
 Operator : SY/MD
 Sample : VSTD0.533
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 02:07:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 07 02:01:21 2020
 Response via : Initial Calibration



TIC: VV015408.D

(20) 2-Butanone-d5 (S)

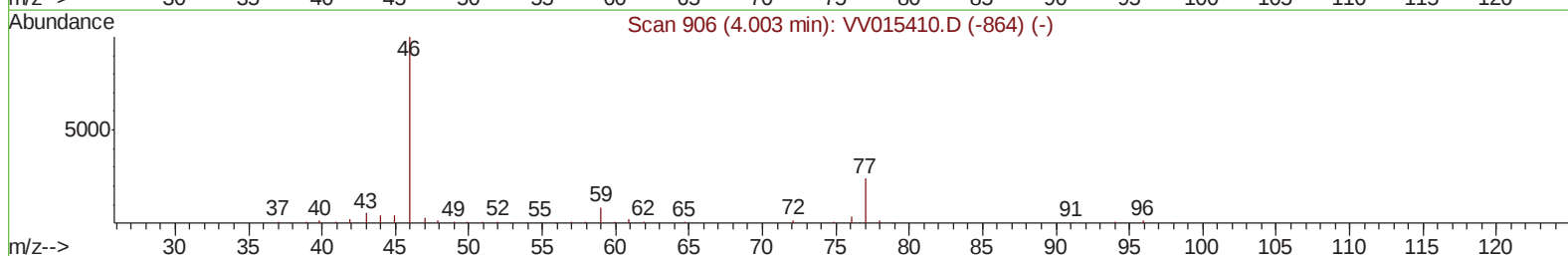
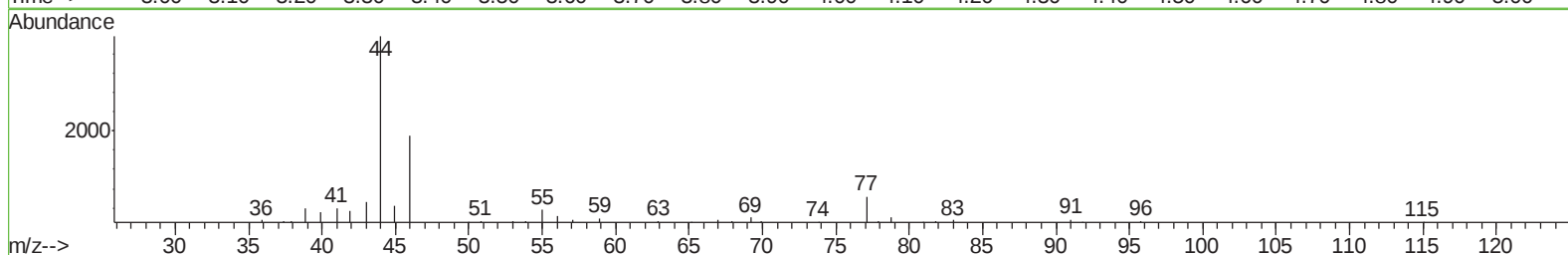
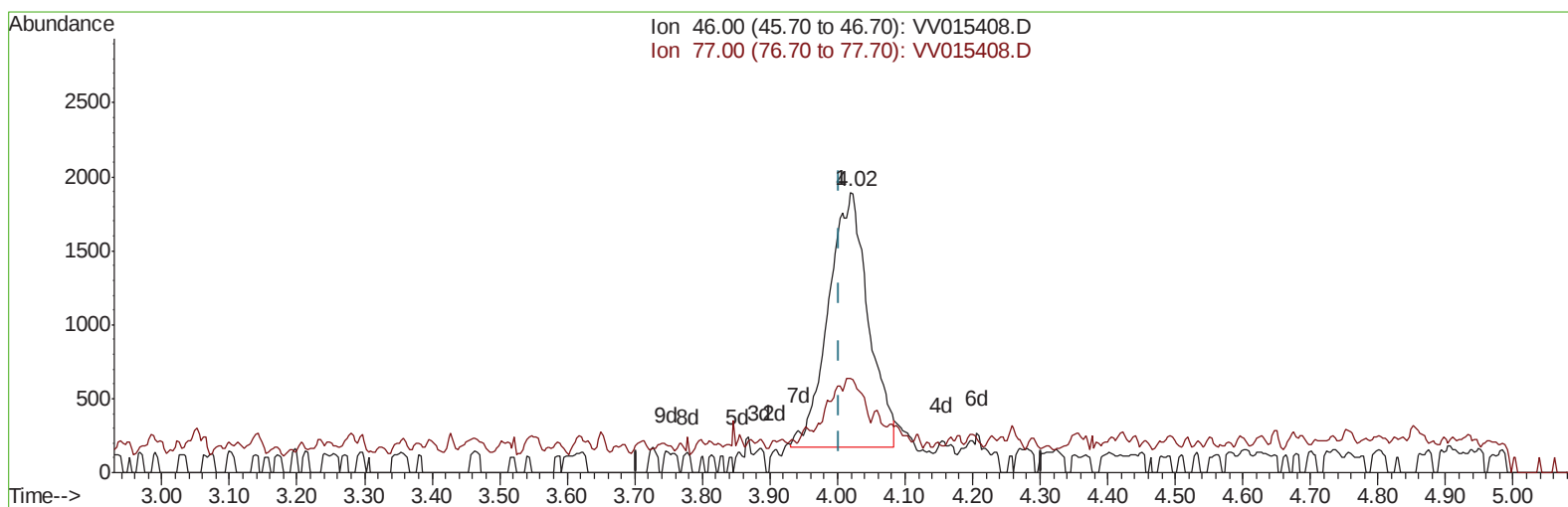
4.007min (+0.003) 1.75ug/L

response 2722

Ion	Exp%	Act%
46.00	100	100
77.00	22.70	20.46
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040620\
 Data File : VV015406.D
 Acq On : 06 Apr 2020 13:08
 Operator : SY/MD
 Sample : VSTD0.533
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 02:07:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 07 02:01:21 2020
 Response via : Initial Calibration



TIC: VV015408.D

(20) 2-Butanone-d5 (S)

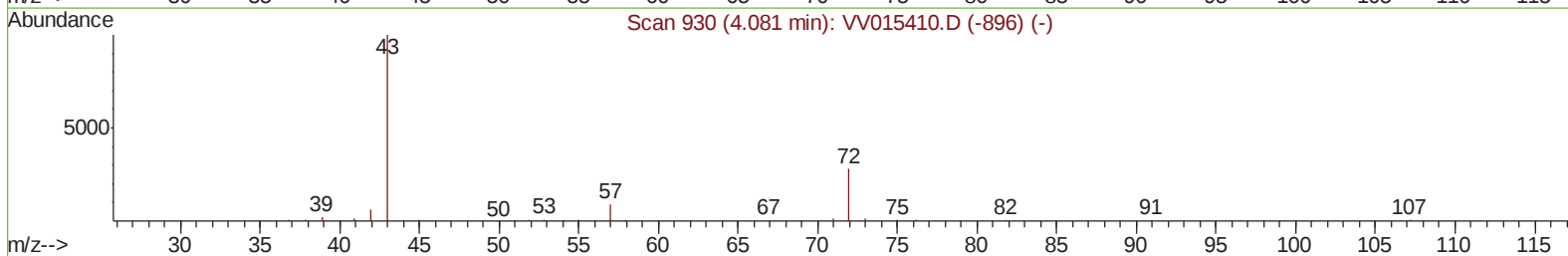
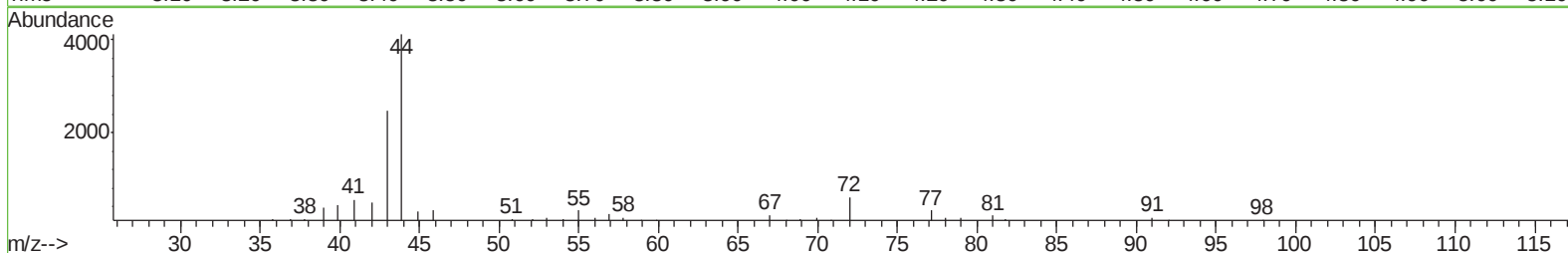
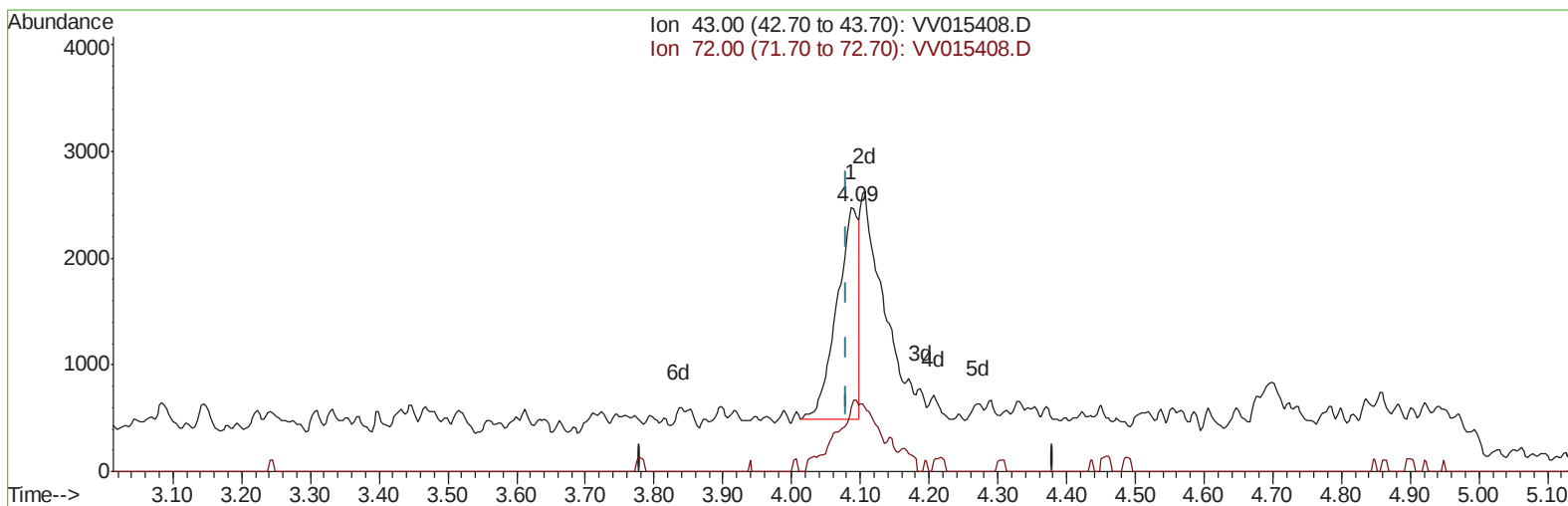
4.020min (+0.016) 4.56ug/L m

response 7095

Ion	Exp%	Act%
46.00	100	100
77.00	22.70	7.85#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040620\
Data File : VV015406.D
Acq On : 06 Apr 2020 13:08
Operator : SY/MD
Sample : VSTD0.533
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 02:07:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 07 02:01:21 2020
Response via : Initial Calibration



TIC: VV015408.D

(21) 2-Butanone (T)

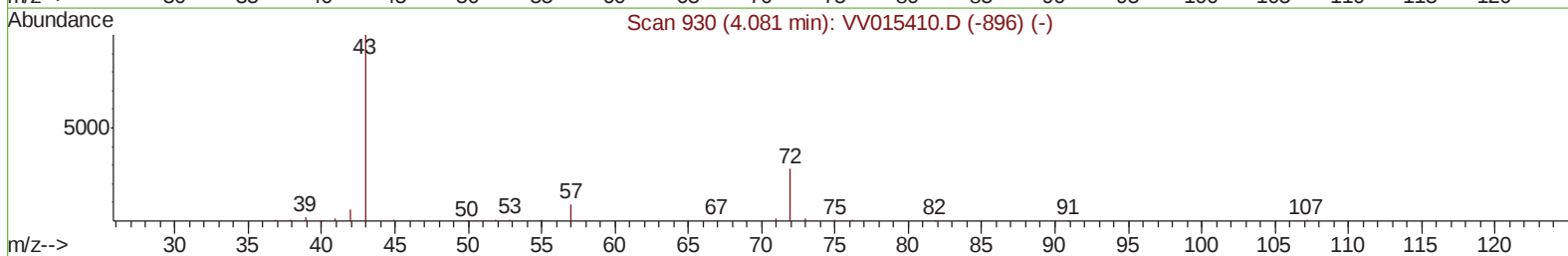
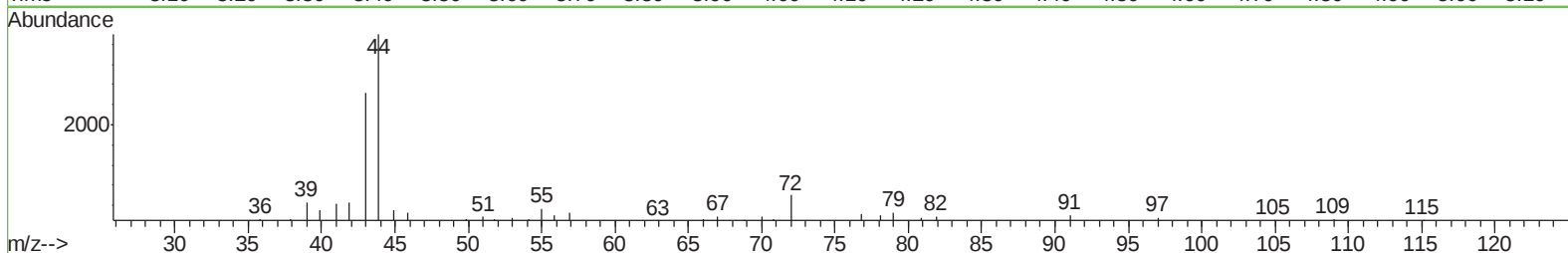
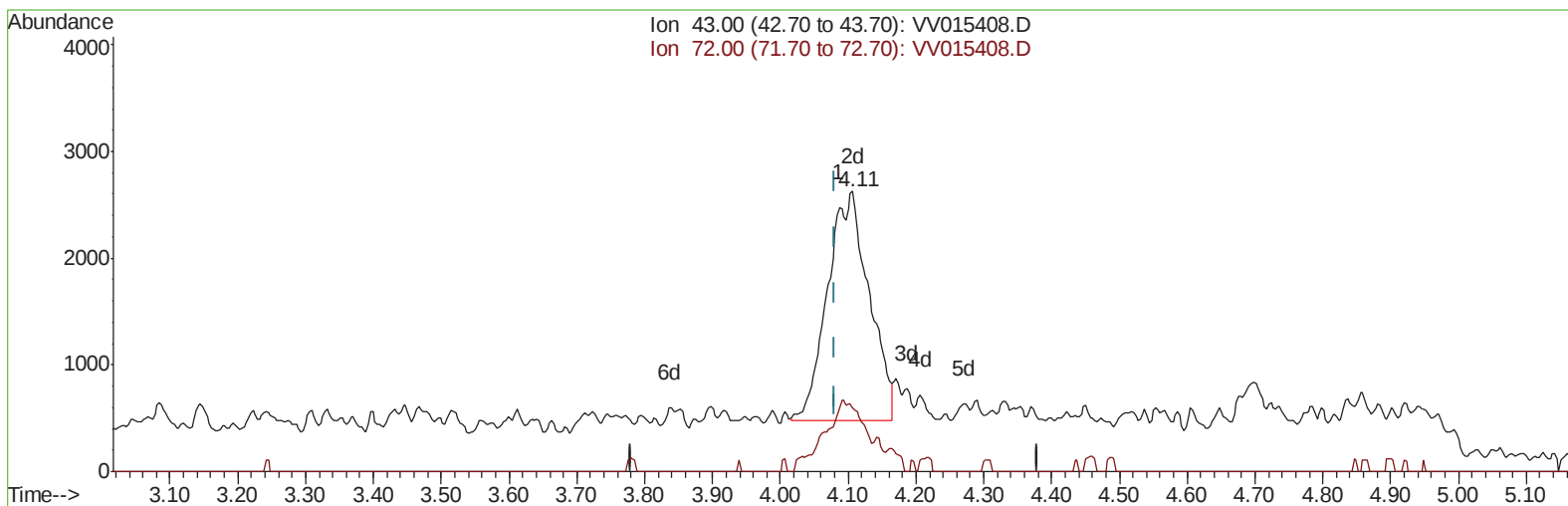
4.087min (+0.006) 2.41ug/L

response 4271

Ion	Exp%	Act%
43.00	100	100
72.00	26.80	61.74#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040620\
Data File : VV015406.D
Acq On : 06 Apr 2020 13:08
Operator : SY/MD
Sample : VSTD0.533
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 02:07:42 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 07 02:01:21 2020
Response via : Initial Calibration



TIC: VV015408.D

(21) 2-Butanone (T)

4.106min (+0.026) 5.16ug/L m

response 9138

Ion	Exp%	Act%
43.00	100	100
72.00	26.80	28.86
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV040620\
 Data File : VV015406.D
 Acq On : 06 Apr 2020 13:08
 Operator : SY/MD
 Sample : VSTD0.533
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 07 02:17:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 07 02:01:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	97744	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.88	117	95904	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	44559	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.33	65	3367	0.45	ug/L	0.00
7) Chloroethane-d5	1.61	69	3361	0.57	ug/L	0.02
11) 1,1-Dichloroethene-d2	2.15	63	7829	0.59	ug/L	0.02
20) 2-Butanone-d5	4.02	46	7095m	4.56	ug/L	0.02
24) Chloroform-d	4.40	84	7071	0.53	ug/L	0.02
26) 1,2-Dichloroethane-d4	5.07	65	2831	0.40	ug/L	0.00
32) Benzene-d6	5.08	84	10223	0.37	ug/L	0.01
36) 1,2-Dichloropropane-d6	6.12	67	3256	0.40	ug/L	0.02
41) Toluene-d8	7.36	98	10092	0.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	1318	0.41	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	5305	4.06	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	2457	0.42	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	4003	0.50	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.15	85	4276	0.411 ug/L	100
3) Chloromethane	1.26	50	4775	0.489 ug/L	92
5) Vinyl chloride	1.34	62	4852	0.525 ug/L	86
6) Bromomethane	1.56	94	3297	0.618 ug/L	95
8) Chloroethane	1.63	64	2854	0.541 ug/L	89
9) Trichlorofluoromethane	1.79	101	7153	0.559 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	4573	0.656 ug/L	95
12) 1,1-Dichloroethene	2.16	96	4619	0.700 ug/L	99
13) Acetone	2.28	43	6064	5.779 ug/L	95
14) Carbon disulfide	2.33	76	14418	0.652 ug/L	95
15) Methyl Acetate	2.50	43	1538	0.549 ug/L #	77
16) Methylene chloride	2.55	84	7049	0.882 ug/L	95
17) Methyl tert-butyl Ether	2.83	73	10238	0.599 ug/L #	95
18) trans-1,2-Dichloroethene	2.80	96	5032	0.655 ug/L	93
19) 1,1-Dichloroethane	3.24	63	8216	0.559 ug/L	97
21) 2-Butanone	4.11	43	9138m	5.157 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	5086	0.621 ug/L #	91
23) Bromochloromethane	4.29	128	1974	0.595 ug/L #	92
25) Chloroform	4.42	83	9788	0.649 ug/L	98
27) 1,2-Dichloroethane	5.18	62	3681	0.436 ug/L	96
29) 1,1,1-Trichloroethane	4.64	97	8055	0.619 ug/L	100
30) Cyclohexane	4.70	56	7316	0.516 ug/L #	88
31) Carbon tetrachloride	4.86	117	7870	0.701 ug/L	91
33) Benzene	5.14	78	12281	0.399 ug/L	100
34) Trichloroethene	5.95	95	3812	0.475 ug/L	93
35) Methylcyclohexane	6.16	83	6502	0.470 ug/L	90
37) 1,2-Dichloropropane	6.23	63	2999	0.396 ug/L #	87
38) Bromodichloromethane	6.57	83	4022	0.425 ug/L #	87
39) cis-1,3-Dichloropropene	7.08	75	4335	0.386 ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	15688	3.517 ug/L	97

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 Response via : Initial Calibration

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

42) Toluene	7.43	91	14923	0.462	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	3788	0.433	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	2282	0.459	ug/L	97
47) Tetrachloroethene	8.01	164	2651	0.421	ug/L	90
48) 2-Hexanone	8.19	43	10774	3.392	ug/L #	97
49) Dibromochloromethane	8.29	129	2526	0.448	ug/L	89
50) 1,2-Dibromoethane	8.39	107	2092	0.440	ug/L #	98
51) Chlorobenzene	8.92	112	9855	0.477	ug/L	97
52) Ethylbenzene	9.05	91	16772	0.454	ug/L	98
53) m,p-xylene	9.17	106	6355	0.465	ug/L	97
54) o-xylene	9.57	106	6342	0.478	ug/L	99
55) Styrene	9.59	104	10009	0.451	ug/L	98
56) Isopropylbenzene	9.96	105	16769	0.468	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.27	83	2570	0.419	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	1923	0.428	ug/L	89
61) Bromoform	9.76	173	1091	0.432	ug/L #	92
62) 1,3-Dichlorobenzene	11.21	146	7756	0.520	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	7874	0.515	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	6525	0.476	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.45	75	512	0.549	ug/L #	77
67) 1,3,5-Trichlorobenzene	12.67	180	5366	0.458	ug/L	97
68) 1,2,4-trichlorobenzene	13.29	180	4808	0.476	ug/L	99
69) Naphthalene	13.53	128	14924	0.875	ug/L	96
70) 1,2,3-Trichlorobenzene	13.77	180	3874	0.431	ug/L	94

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

