

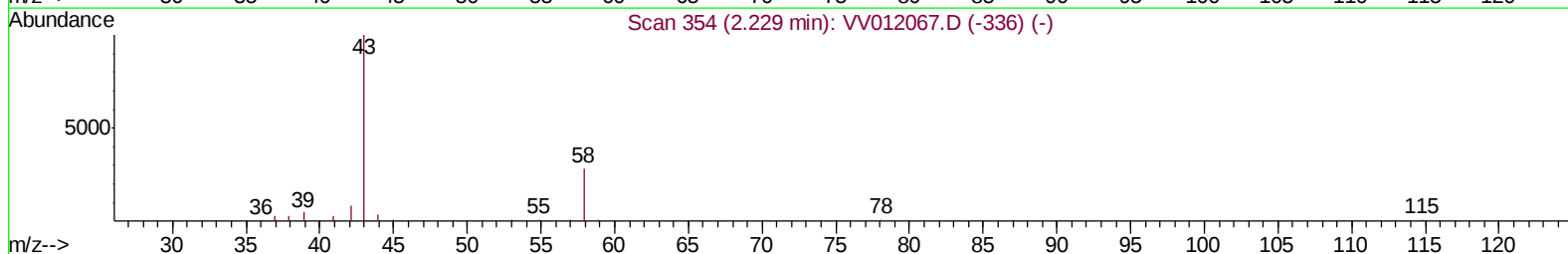
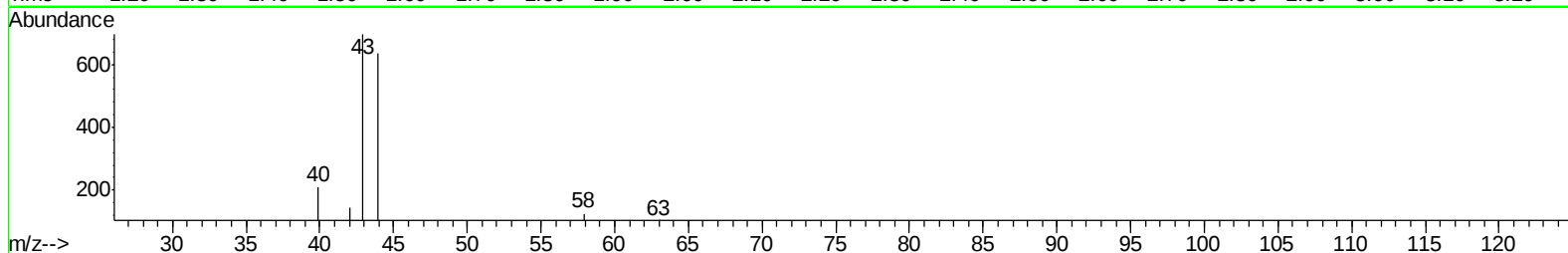
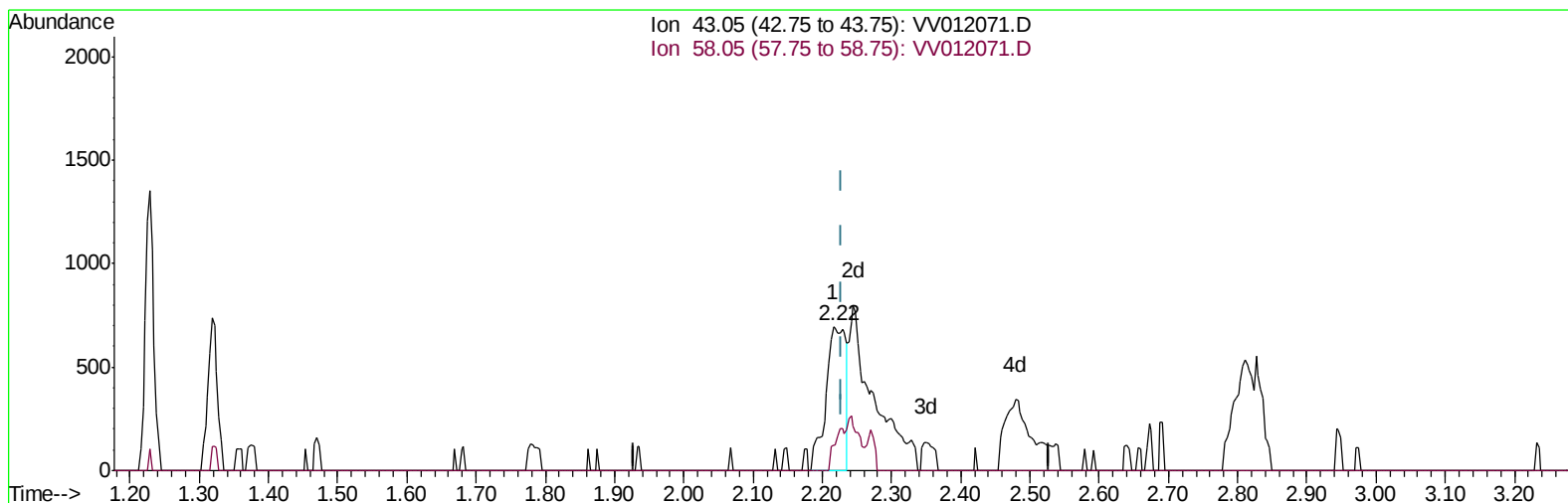
Data File : VV012071.D
Acq On : 30 Jul 2019 12:30
Operator : SY/MD
Sample : MDL05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMdadoda
8/1/2019 3:18:26 PM

Quant Time: Jul 31 09:26:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 09:22:51 2019
Response via : Initial Calibration



TIC: VV012071.D

(13) Acetone (T)

2.216min (-0.013) 1.60ug/L

response 1390

Ion	Exp%	Act%
43.05	100	100
58.05	25.80	15.47
0.00	0.00	0.00
0.00	0.00	0.00

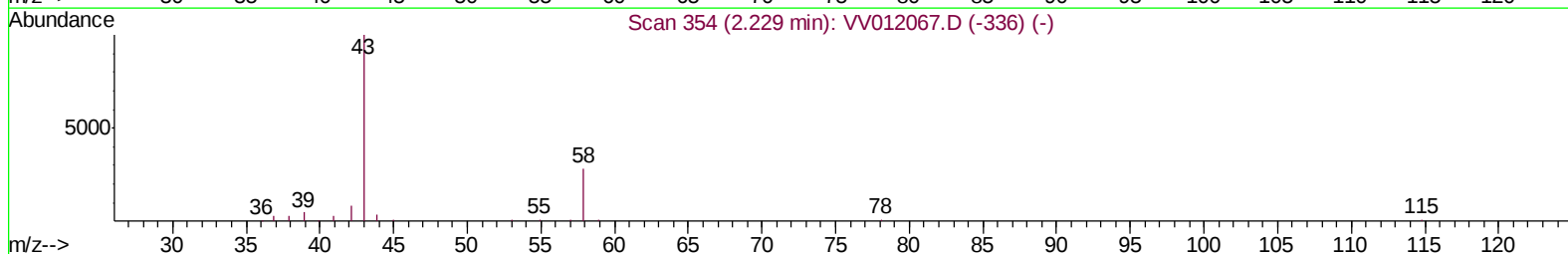
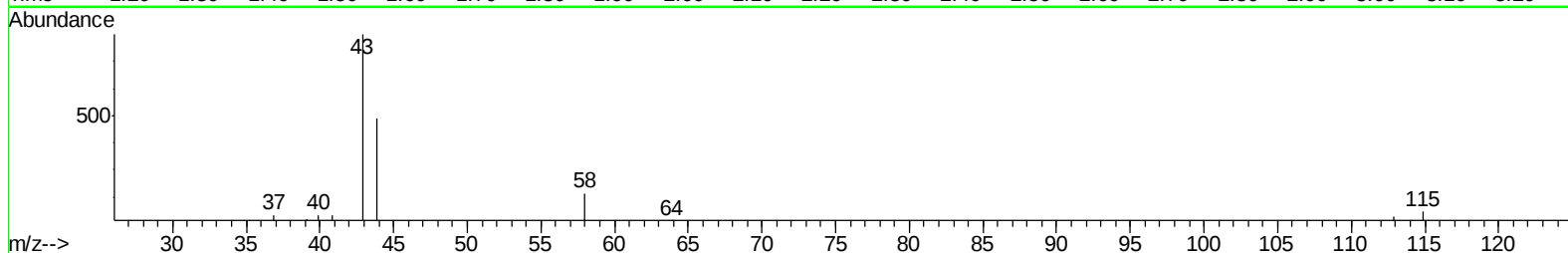
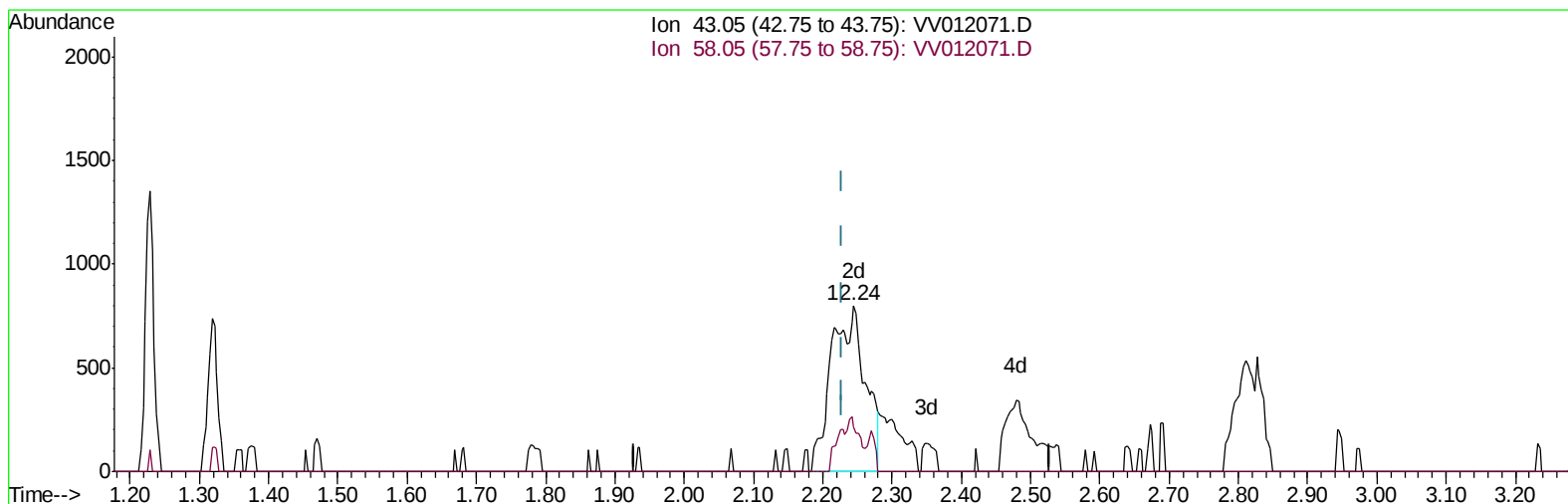
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TIC: VV012071.D

(13) Acetone (T)

2.245min (+0.016) 3.15ug/L m

response 2740

Ion	Exp%	Act%
43.05	100	100
58.05	25.80	7.85
0.00	0.00	0.00
0.00	0.00	0.00

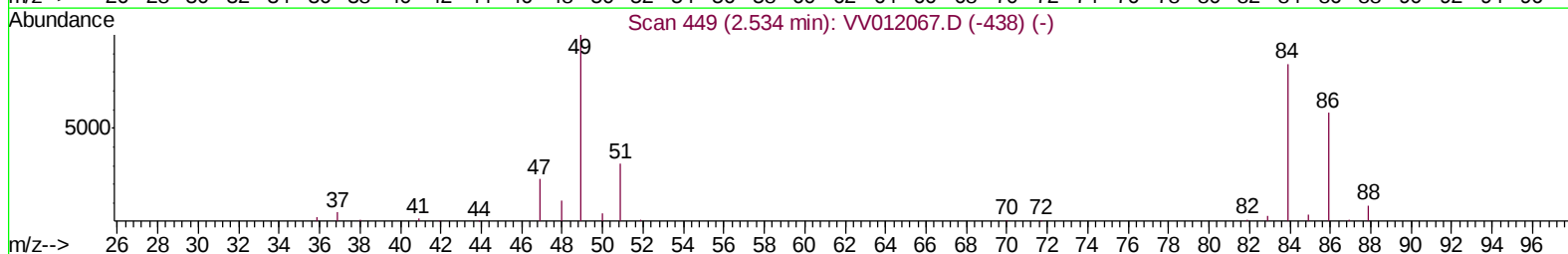
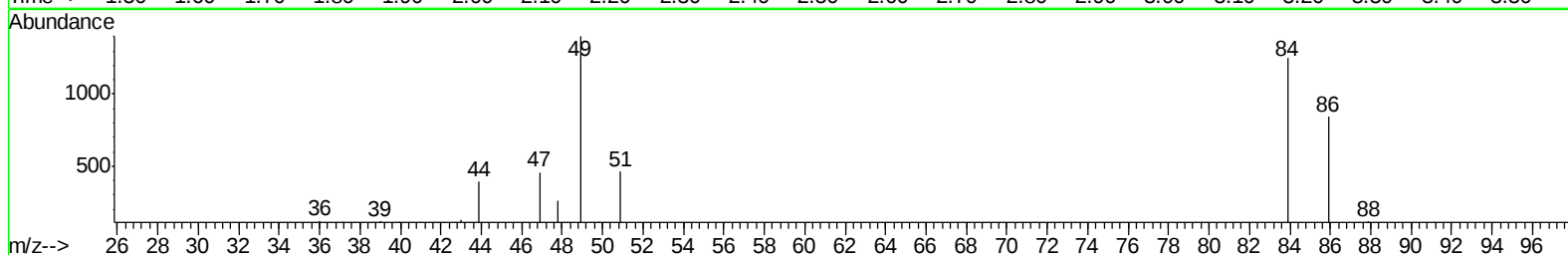
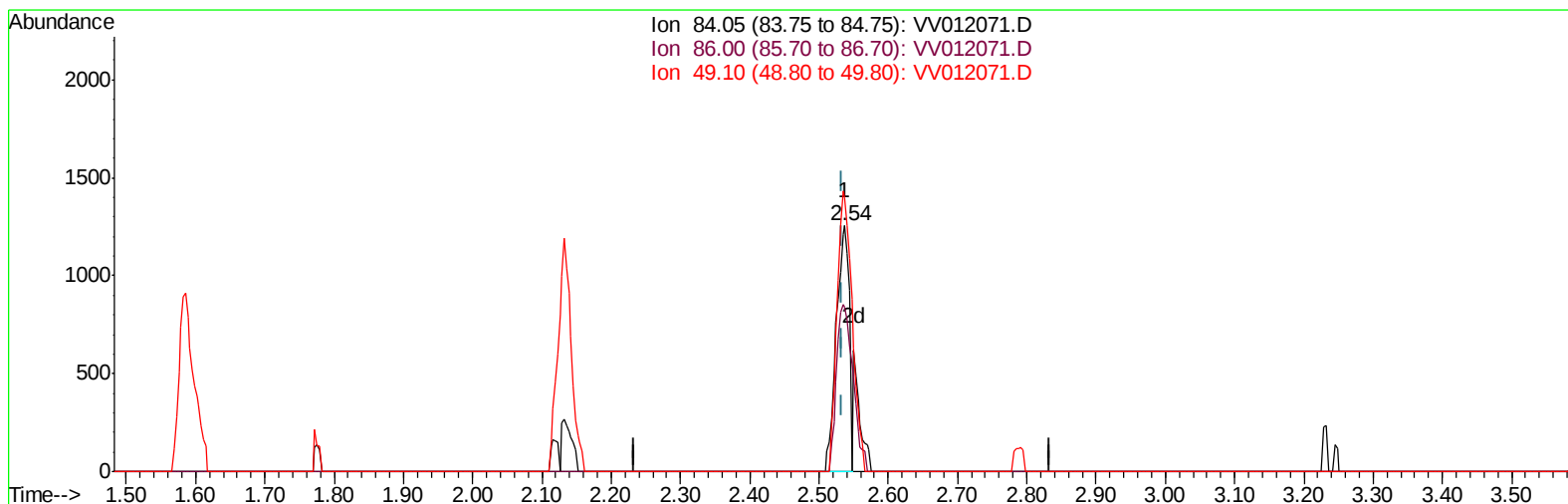
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TIC: VV012071.D

(16) Methylene chloride (T)

2.537min (+0.003) 0.27ug/L

response 1583

Ion	Exp%	Act%
84.05	100	100
86.00	64.10	67.07
49.10	112.30	120.57
0.00	0.00	0.00

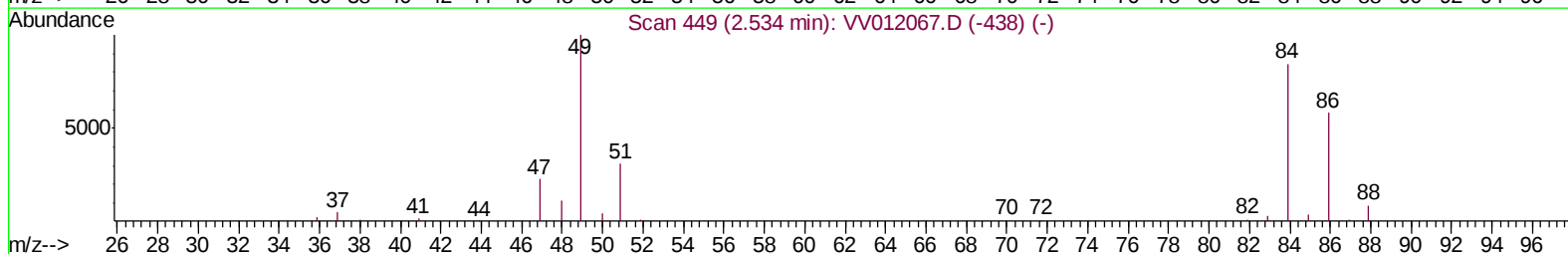
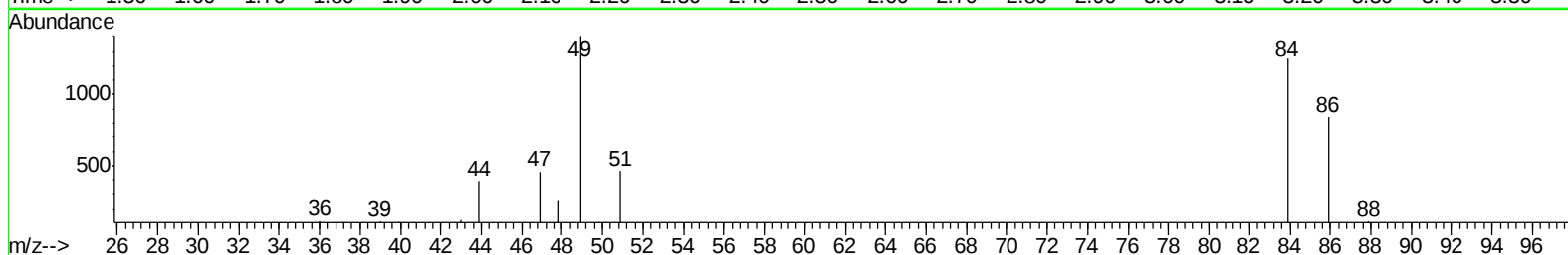
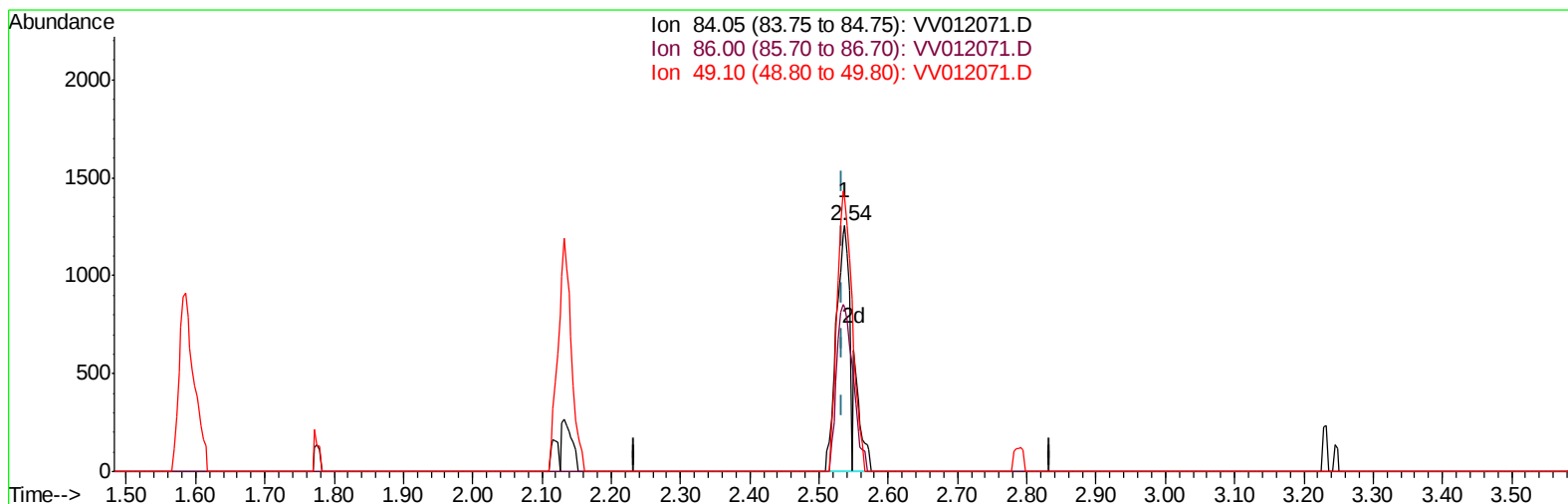
Data File : VV012071.D
Acq On : 30 Jul 2019 12:30
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Misc : 25ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
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TIC: VV012071.D

(16) Methylene chloride (T)

2.537min (+0.003) 0.35ug/L m

response 2020

Ion	Exp%	Act%
84.05	100	100
86.00	64.10	67.07
49.10	112.30	111.80
0.00	0.00	0.00

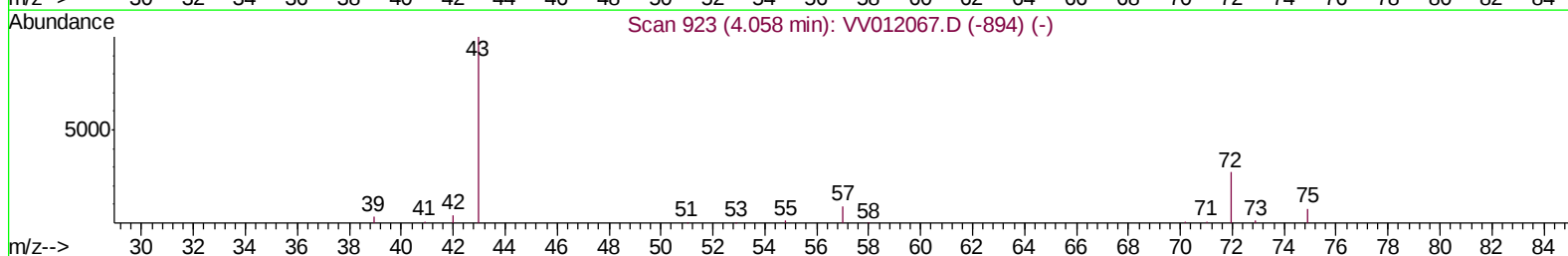
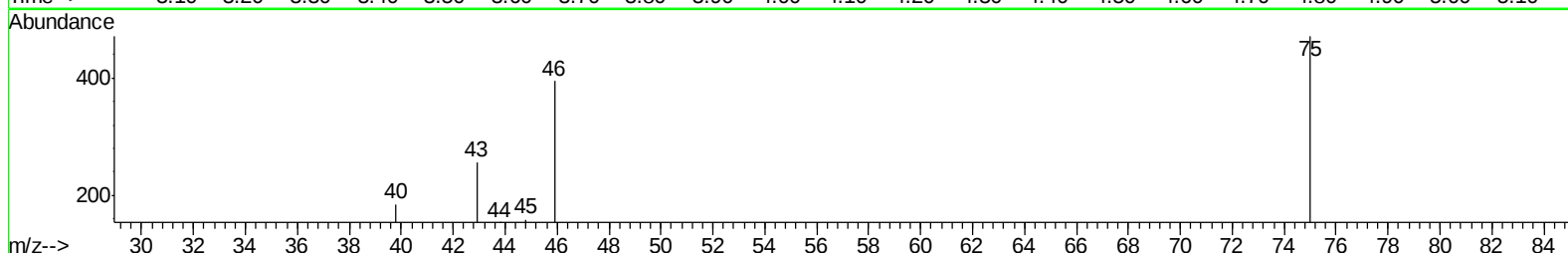
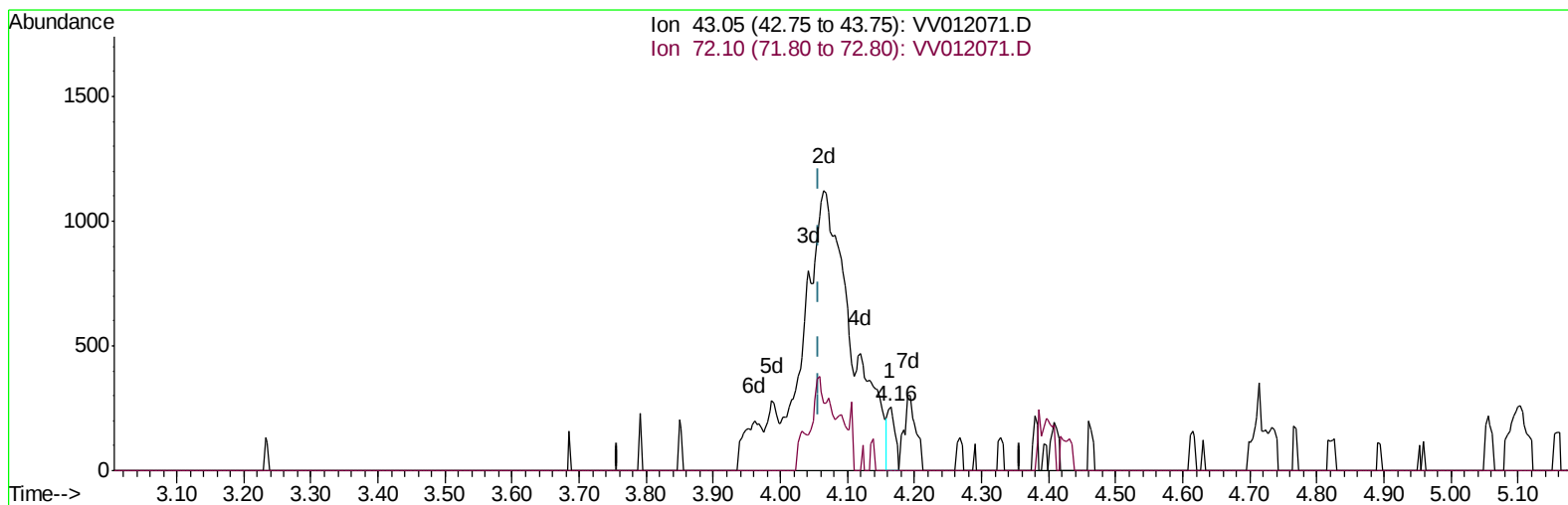
Data File : VV012071.D
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TIC: VV012071.D

(21) 2-Butanone (T)
4.164min (+0.106) 0.11ug/L

response 188

Ion	Exp%	Act%
43.05	100	100
72.10	26.80	23.94
0.00	0.00	0.00
0.00	0.00	0.00

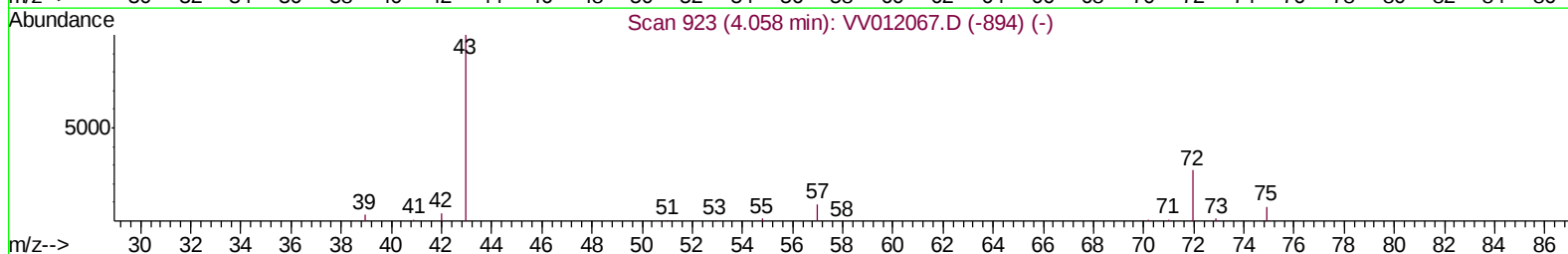
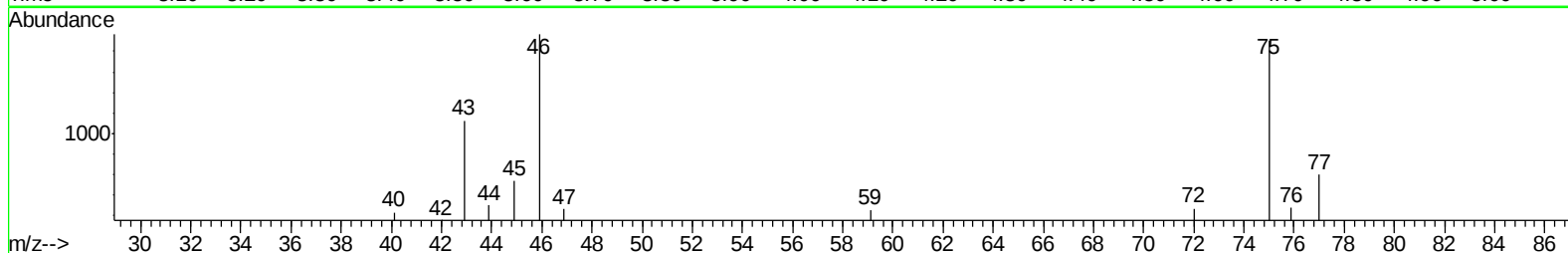
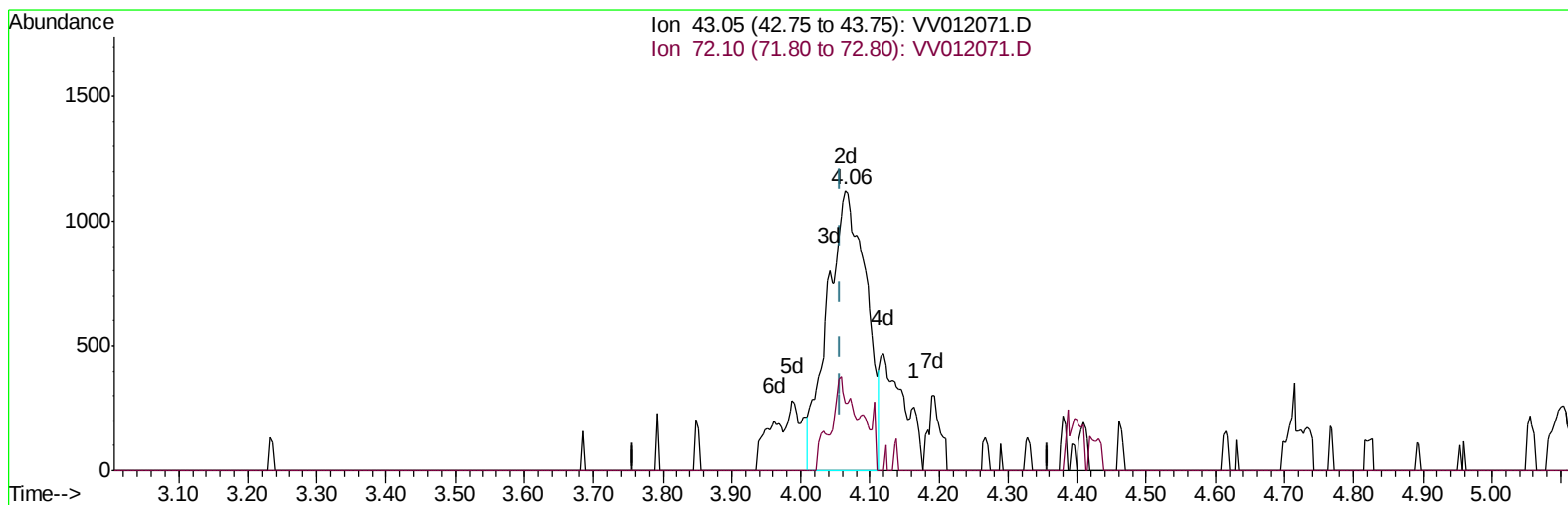
Data File : VV012071.D
Acq On : 30 Jul 2019 12:30
Operator : SY/MD
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Misc : 25ML/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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Manual Integrations
APPROVED

MMdadoda
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Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration



TIC: VV012071.D

(21) 2-Butanone (T)
4.065min (+0.006) 2.55ug/L m
response 4362

Ion	Exp%	Act%
43.05	100	100
72.10	26.80	1.03#
0.00	0.00	0.00
0.00	0.00	0.00

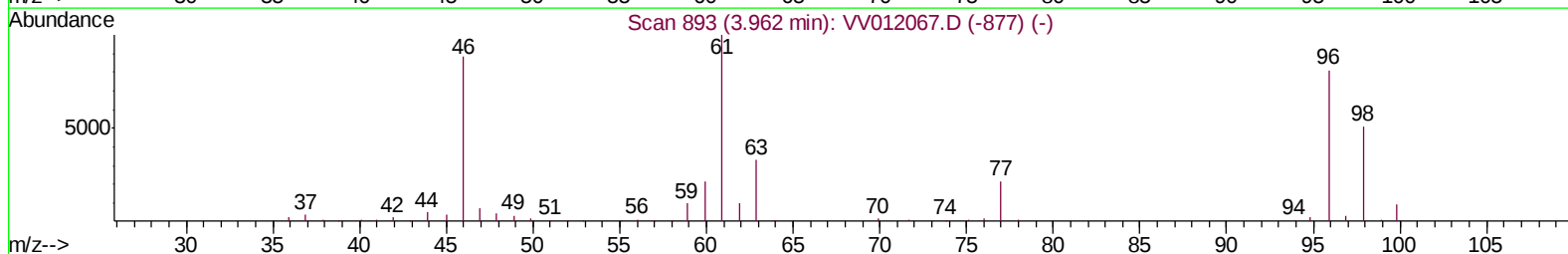
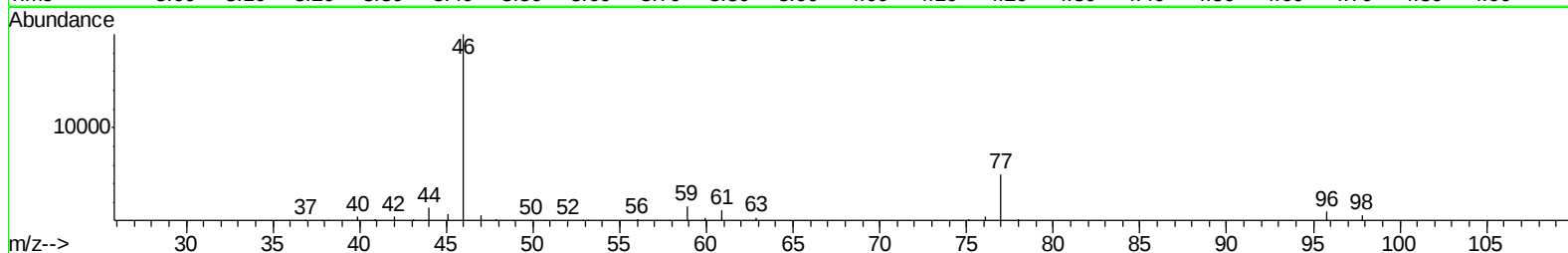
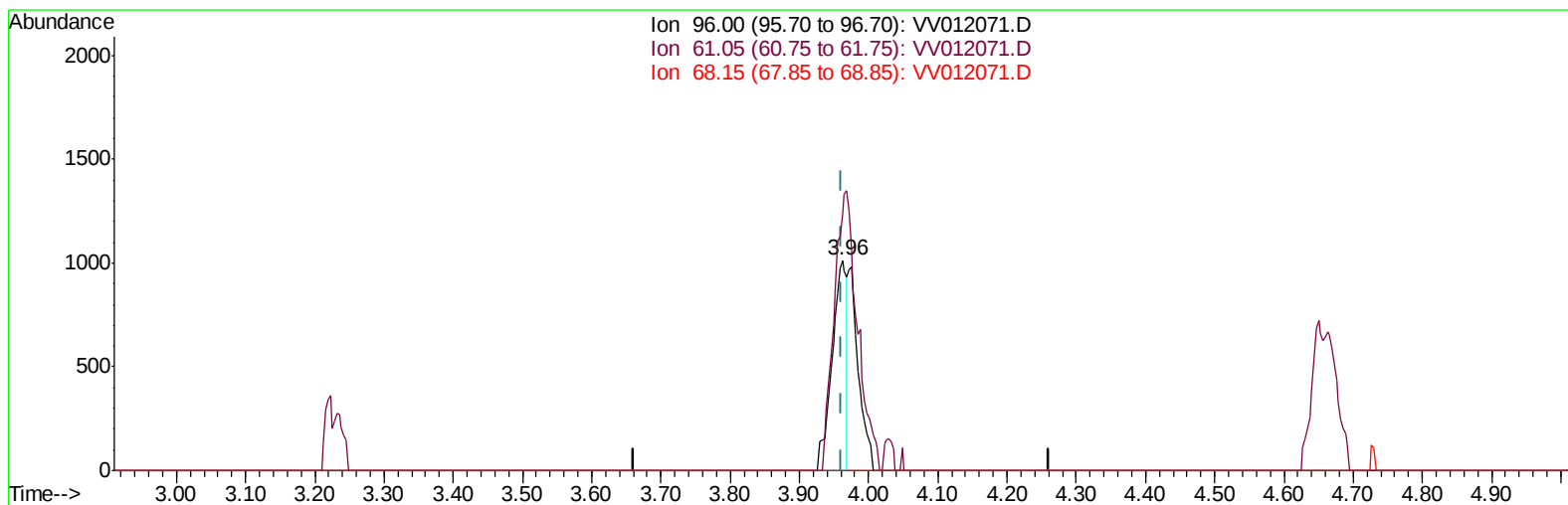
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ClientSampleId :
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Manual Integrations
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Quant Time: Jul 31 09:26:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 09:22:51 2019
Response via : Initial Calibration



TIC: VV012071.D

(22) cis-1,2-Dichloroethene (T)

3.962min (-0.000) 0.17ug/L

response 1471

Ion	Exp%	Act%
96.00	100	100
61.05	128.60	122.31
68.15	0.00	0.00
0.00	0.00	0.00

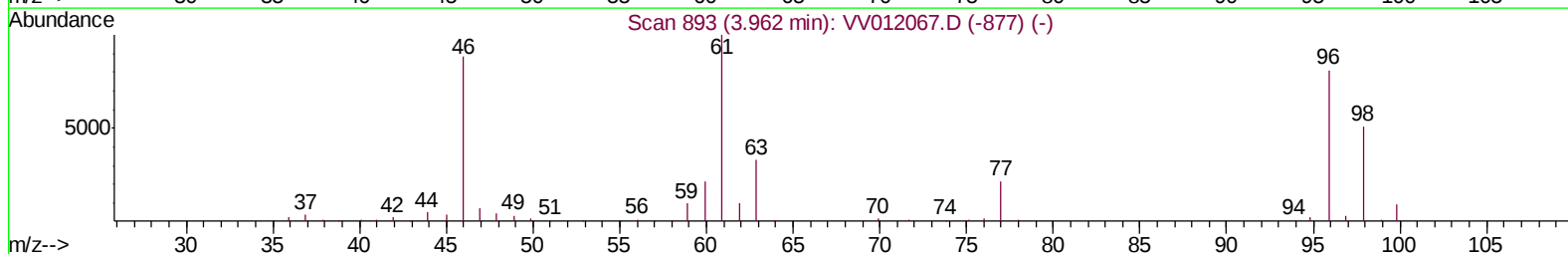
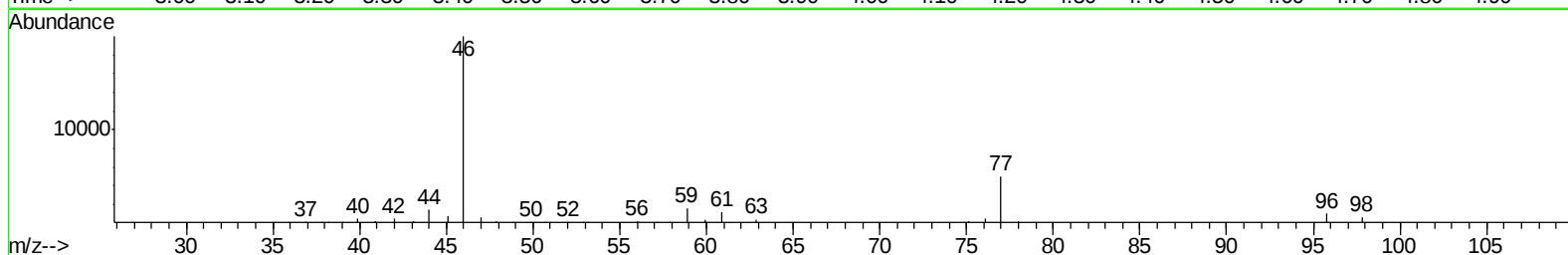
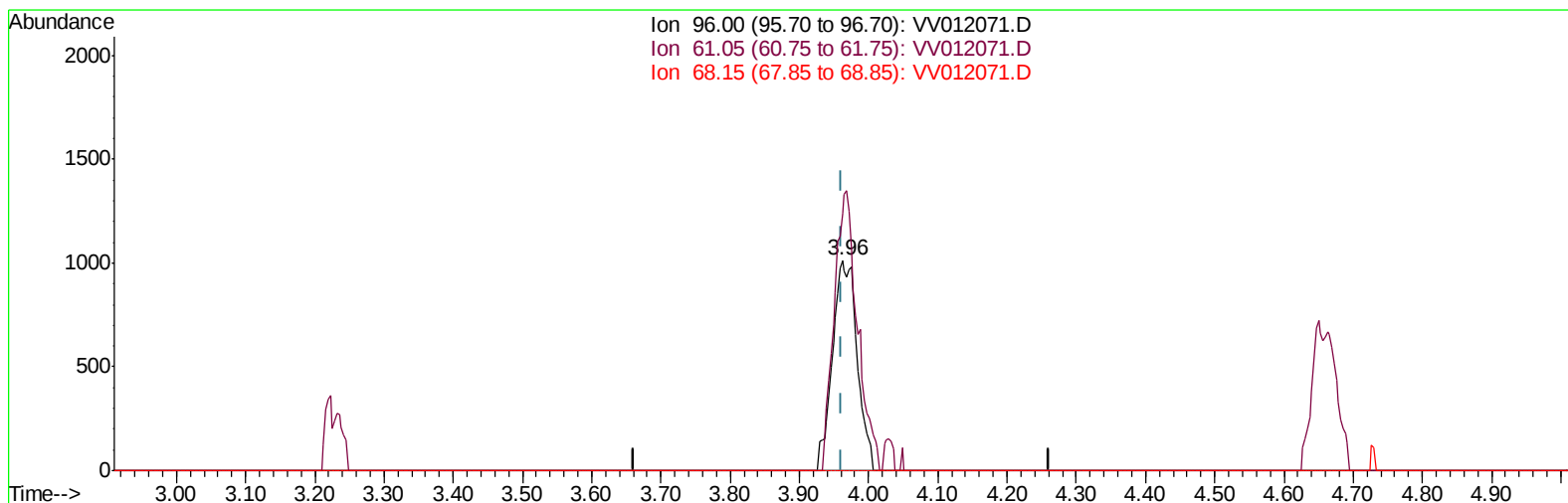
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Acq On : 30 Jul 2019 12:30
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Instrument :
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Manual Integrations
APPROVED

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Quant Time: Jul 31 09:26:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
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TIC: VV012071.D

(22) cis-1,2-Dichloroethene (T)

3.962min (-0.000) 0.29ug/L m

response 2496

Ion	Exp%	Act%
96.00	100	100
61.05	128.60	122.31
68.15	0.00	0.00
0.00	0.00	0.00

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Operator : SY/MD
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ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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Manual Integrations
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MMdadoda
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Quant Time: Jul 31 09:36:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 09:22:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	122796	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	120131	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.30	152	60395	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30672	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.59	69	23744	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.13	63	49317	3.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.40%
20) 2-Butanone-d5	3.97	46	84389	53.47	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.94%
24) Chloroform-d	4.40	84	77837	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
26) 1,2-Dichloroethane-d4	5.09	65	45354	5.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.60%
32) Benzene-d6	5.10	84	158560	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.80%
36) 1,2-Dichloropropane-d6	6.12	67	44333	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	7.36	98	147987	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.80%
43) trans-1,3-Dichloropropene-	7.67	79	19171	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.14	63	65744	50.24	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.48%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	31039	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
66) 1,2-Dichlorobenzene-d4	11.67	152	59768	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3882	0.277 ug/L	100
3) Chloromethane	1.25	50	1957	0.244 ug/L	90
5) Vinyl chloride	1.33	62	1963	0.240 ug/L #	67
6) Bromomethane	1.54	94	1343	0.274 ug/L	95
8) Chloroethane	1.60	64	1398	0.314 ug/L	97
9) Trichlorofluoromethane	1.77	101	3960	0.282 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2149	0.353 ug/L	90
12) 1,1-Dichloroethene	2.14	96	2000	0.355 ug/L #	1
13) Acetone	2.24	43	2740m	3.154 ug/L	
14) Carbon disulfide	2.32	76	4248	0.270 ug/L	98
15) Methyl Acetate	2.48	43	793	0.444 ug/L #	60
16) Methylene chloride	2.54	84	2020m	0.349 ug/L	
17) Methyl tert-butyl Ether	2.81	73	5128	0.289 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	2422	0.298 ug/L	93
19) 1,1-Dichloroethane	3.23	63	3741	0.257 ug/L	96
21) 2-Butanone	4.06	43	4362m	2.545 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2496m	0.288 ug/L	

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	1090	0.287	ug/L	95
25) Chloroform	4.43	83	12041	0.661	ug/L	92
27) 1,2-Dichloroethane	5.19	62	2871	0.285	ug/L #	76
29) 1,1,1-Trichloroethane	4.66	97	4217	0.284	ug/L #	84
30) Cyclohexane	4.72	56	3301	0.260	ug/L	97
31) Carbon tetrachloride	4.87	117	3562	0.267	ug/L	97
33) Benzene	5.14	78	9263	0.284	ug/L	100
34) Trichloroethene	5.96	95	2392	0.257	ug/L	82
35) Methylcyclohexane	6.17	83	3787	0.260	ug/L	94
37) 1,2-Dichloropropane	6.22	63	2112	0.280	ug/L #	95
38) Bromodichloromethane	6.56	83	3064	0.287	ug/L #	94
39) cis-1,3-Dichloropropene	7.07	75	3296	0.278	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	10776	2.530	ug/L #	88
42) Toluene	7.43	91	9556	0.263	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	2535	0.265	ug/L #	82
45) 1,1,2-Trichloroethane	7.88	97	1686	0.293	ug/L	93
47) Tetrachloroethene	8.02	164	2115	0.260	ug/L	90
48) 2-Hexanone	8.19	43	8996	2.989	ug/L #	94
49) Dibromochloromethane	8.29	129	1942	0.275	ug/L	97
50) 1,2-Dibromoethane	8.40	107	1606	0.298	ug/L #	91
51) Chlorobenzene	8.93	112	6752	0.278	ug/L	96
52) Ethylbenzene	9.06	91	10253	0.248	ug/L	98
53) m,p-xylene	9.18	106	4263	0.270	ug/L	87
54) o-xylene	9.59	106	3722	0.250	ug/L	86
55) Styrene	9.61	104	5885	0.234	ug/L	85
57) 1,1,2,2-Tetrachloroethane	10.28	83	1781	0.288	ug/L #	94
59) Bromoform	9.77	173	995	0.273	ug/L #	94
60) Isopropylbenzene	9.97	105	9947	0.258	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	1261	0.286	ug/L	96
62) 1,3,5-Trimethylbenzene	10.58	105	7759	0.244	ug/L	96
63) 1,2,4-Trimethylbenzene	10.96	105	7316	0.231	ug/L	91
64) 1,3-Dichlorobenzene	11.23	146	5491	0.286	ug/L	98
65) 1,4-Dichlorobenzene	11.32	146	5446	0.278	ug/L	94
67) 1,2-Dichlorobenzene	11.69	146	4983	0.285	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.47	75	226	0.249	ug/L	87
69) 1,3,5-Trichlorobenzene	12.69	180	4551	0.286	ug/L	98
70) 1,2,4-trichlorobenzene	13.31	180	3302	0.262	ug/L	95
71) Naphthalene	13.56	128	4202	0.241	ug/L #	93
72) 1,2,3-Trichlorobenzene	13.79	180	3039	0.273	ug/L	87

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

