

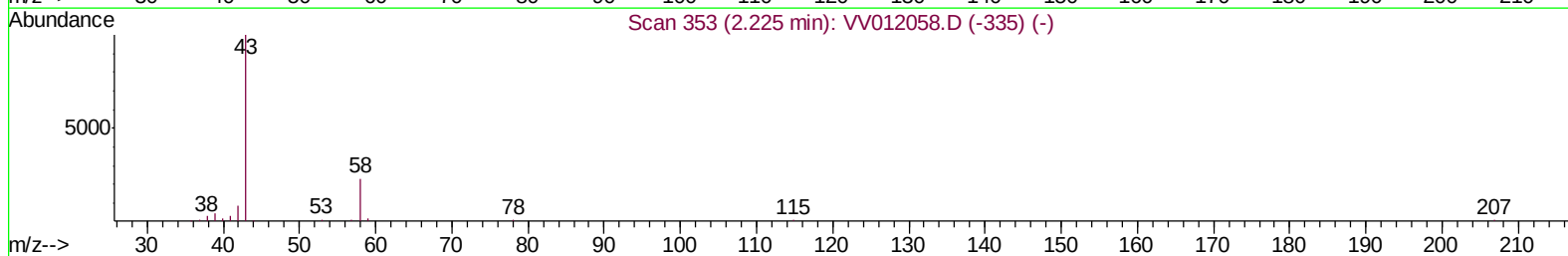
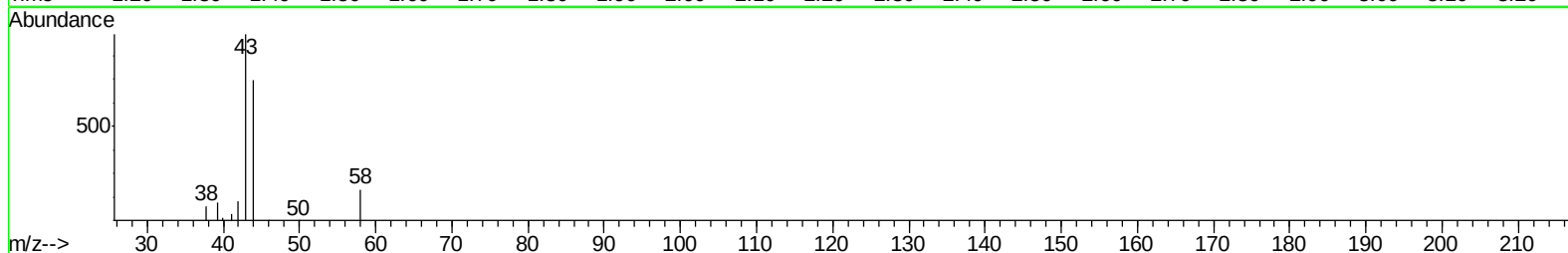
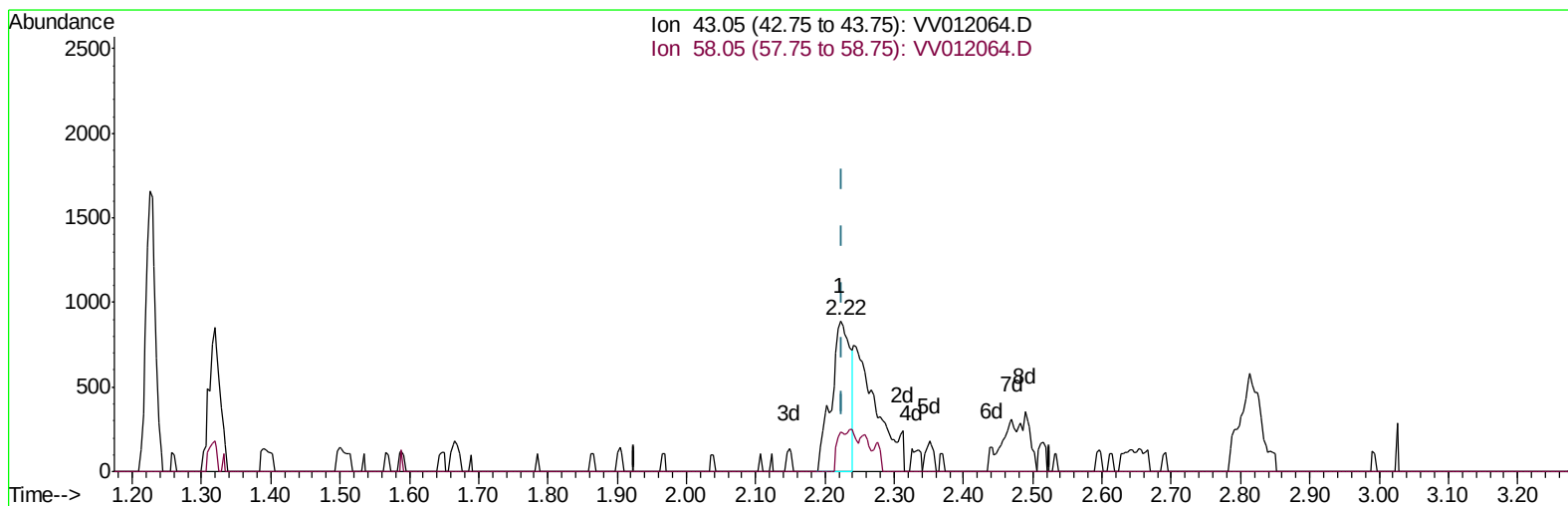
Data File : VV012064.D
Acq On : 29 Jul 2019 15:59
Operator : SY/MD
Sample : MDL02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
7/30/2019 10:58:20 AM

Quant Time: Jul 30 08:50:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 30 08:46:06 2019
Response via : Initial Calibration



TIC: VV012064.D

(13) Acetone (T)

2.222min (-0.003) 1.68ug/L

response 1674

Ion	Exp%	Act%
43.05	100	100
58.05	25.80	11.89
0.00	0.00	0.00
0.00	0.00	0.00

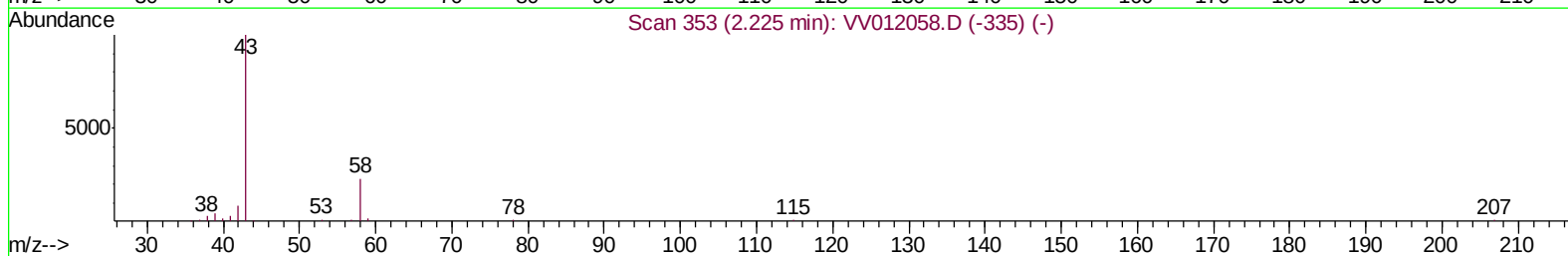
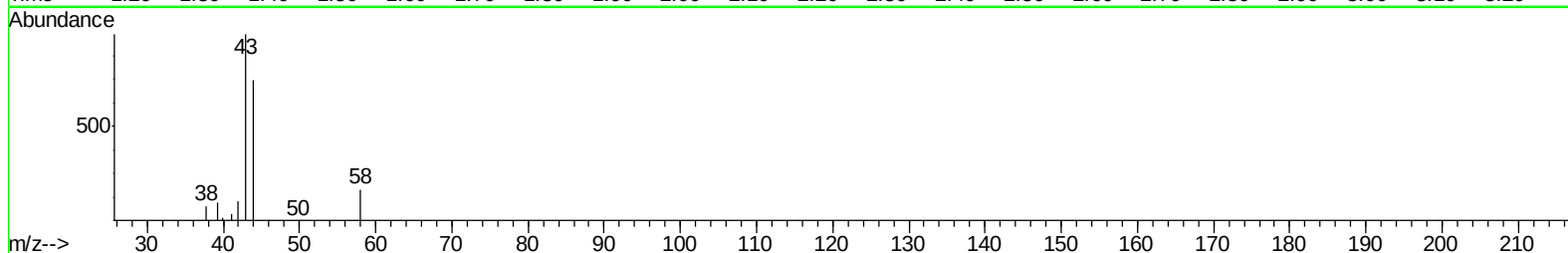
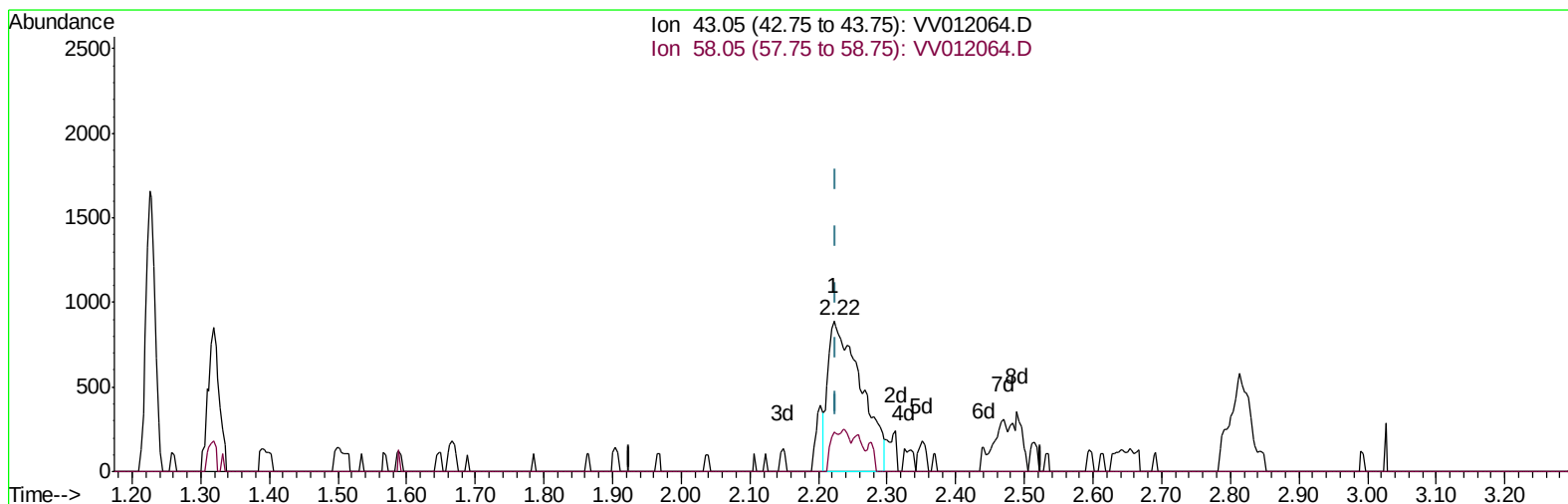
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TIC: VV012064.D

(13) Acetone (T)

2.222min (-0.003) 2.99ug/L m

response 2977

Ion	Exp%	Act%
43.05	100	100
58.05	25.80	6.68
0.00	0.00	0.00
0.00	0.00	0.00

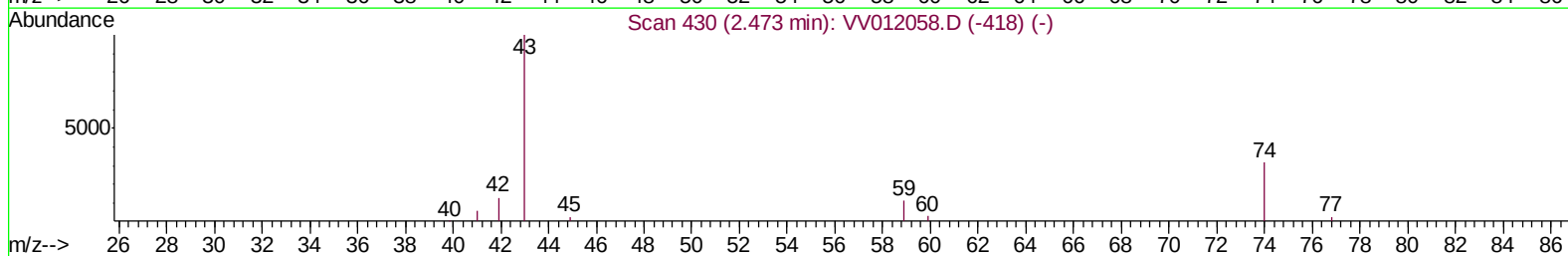
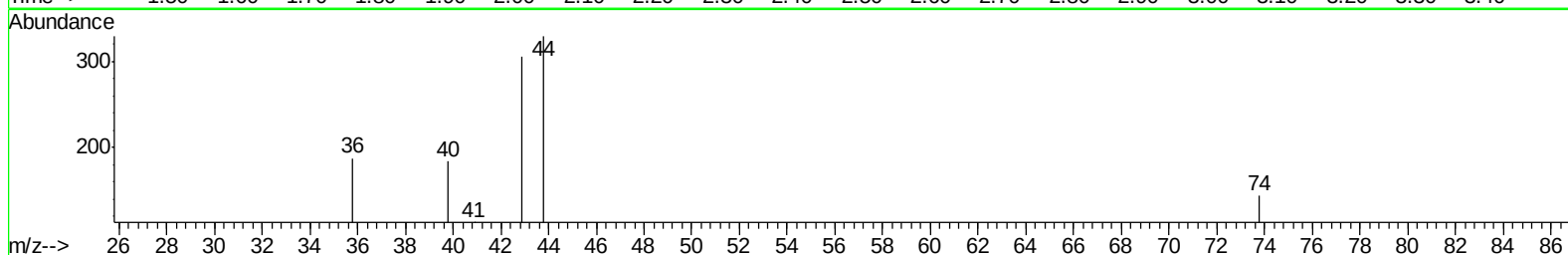
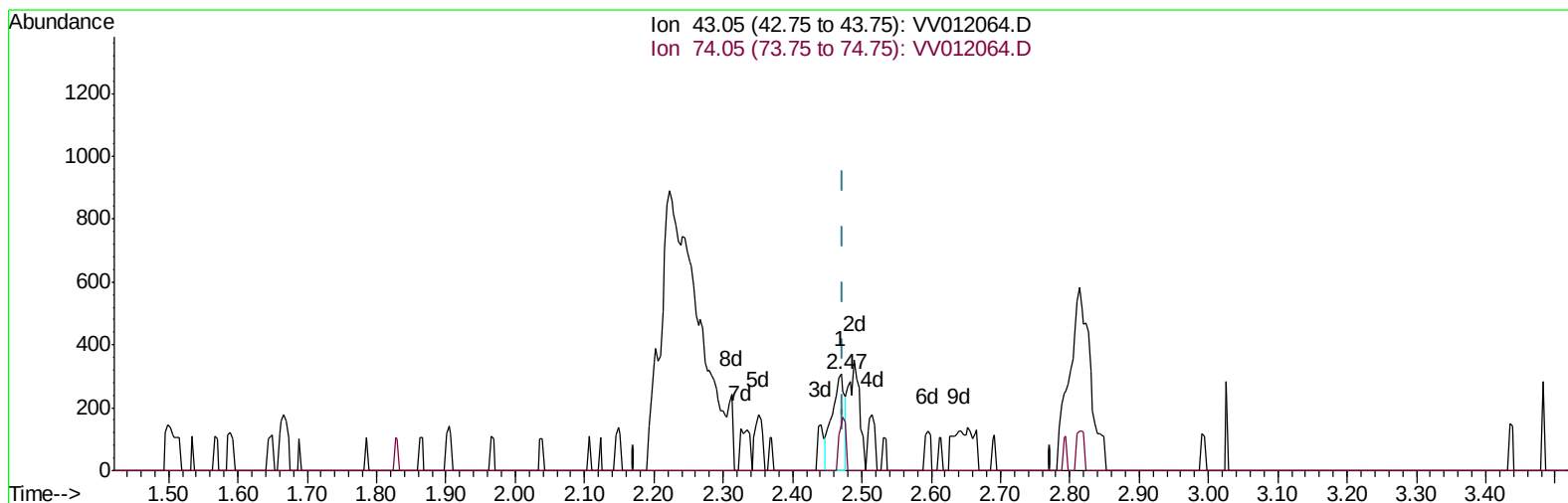
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Operator : SY/MD
Sample : MDL02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 30 08:46:06 2019
Response via : Initial Calibration



TIC: VV012064.D

(15) Methyl Acetate (T)

2.470min (-0.003) 0.19ug/L

response 387

Ion	Exp%	Act%
43.05	100	100
74.05	30.50	28.94
0.00	0.00	0.00
0.00	0.00	0.00

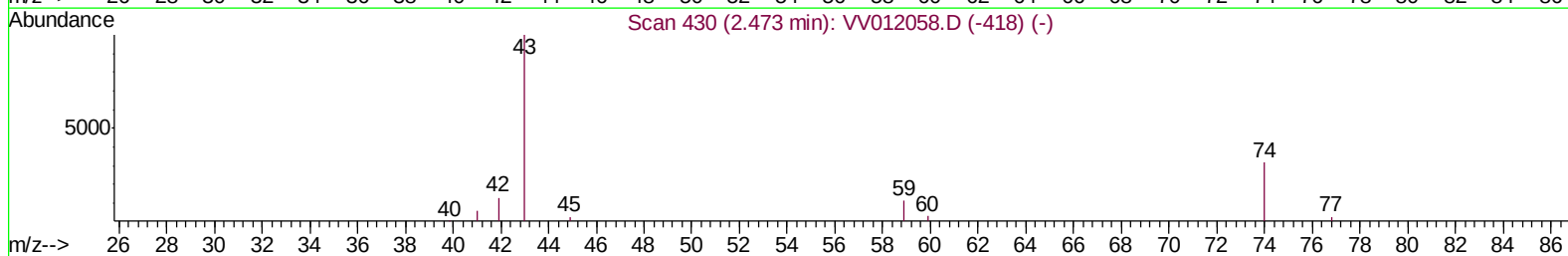
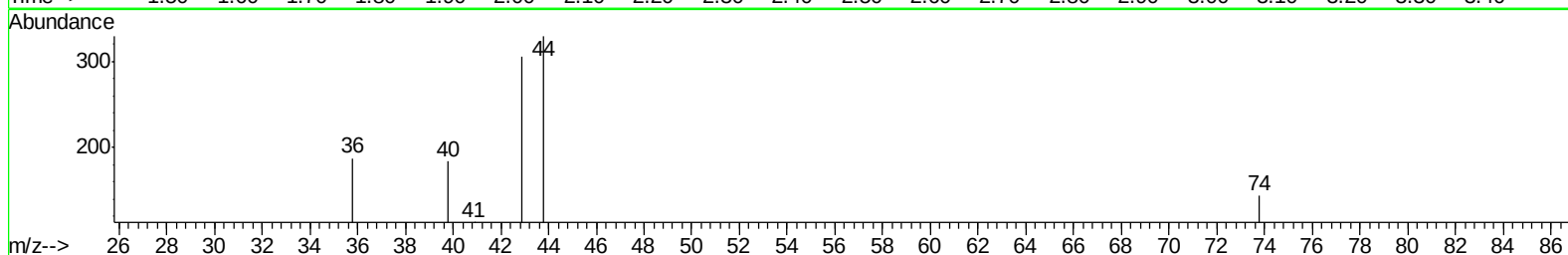
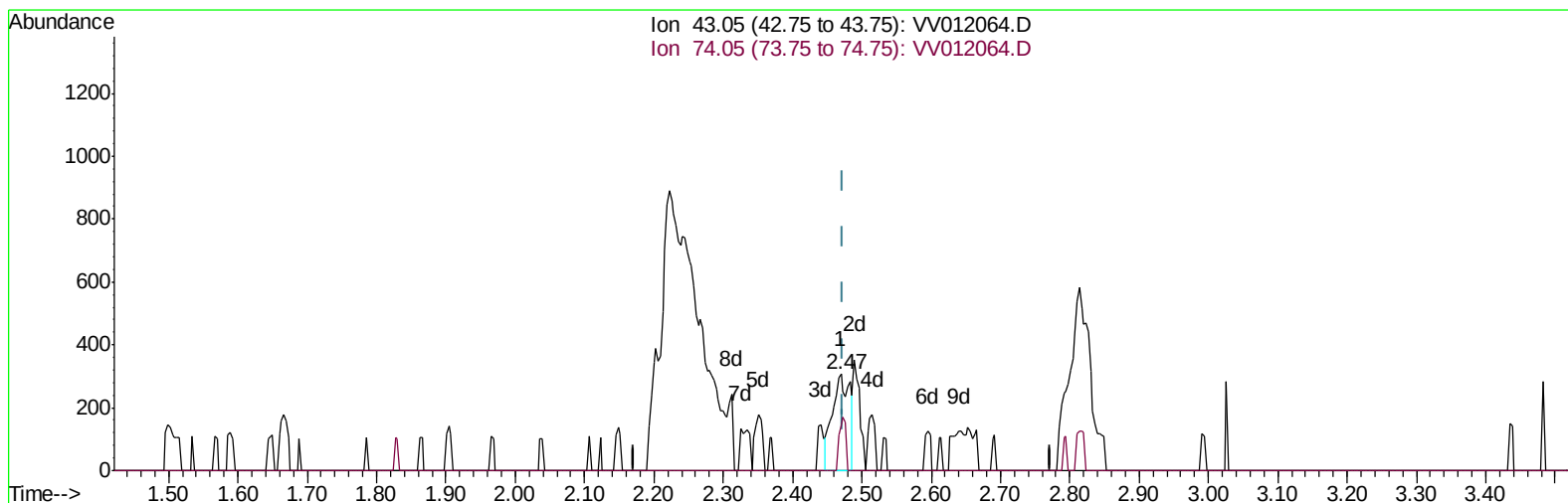
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Acq On : 29 Jul 2019 15:59
Operator : SY/MD
Sample : MDL02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Manual Integrations
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Quant Title : TRACE VOA SOM01.0
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TIC: VV012064.D

(15) Methyl Acetate (T)

2.470min (-0.003) 0.26ug/L m

response 540

Ion	Exp%	Act%
43.05	100	100
74.05	30.50	20.74#
0.00	0.00	0.00
0.00	0.00	0.00

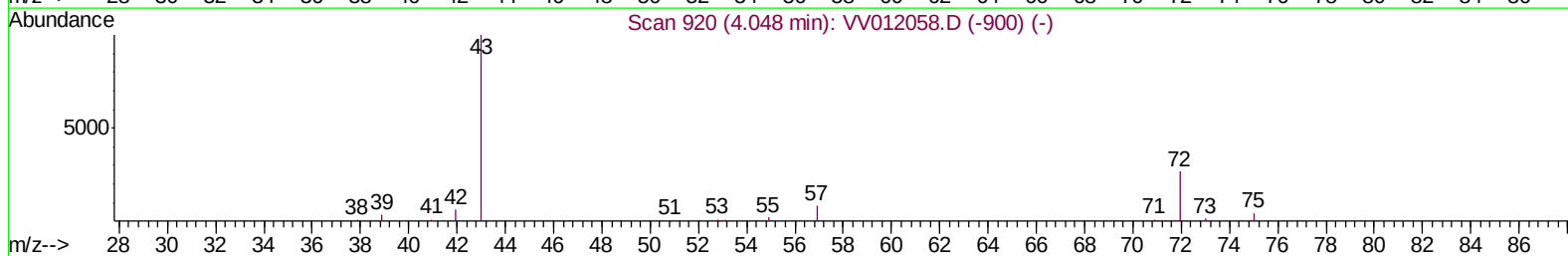
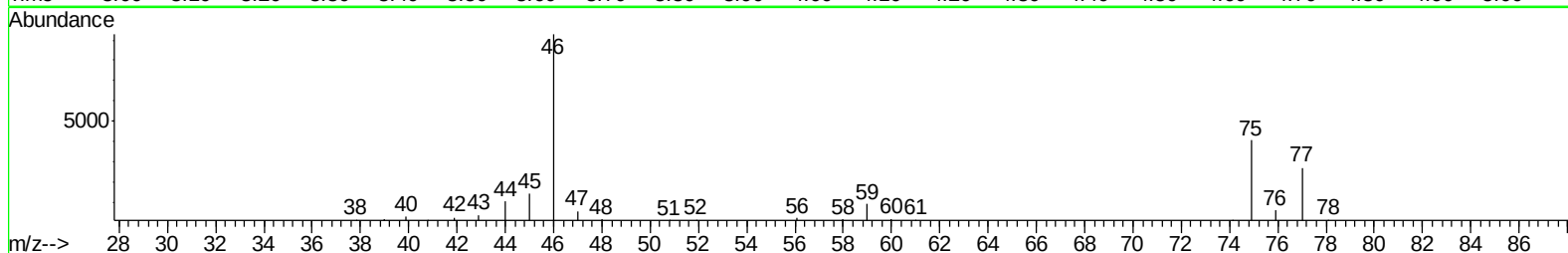
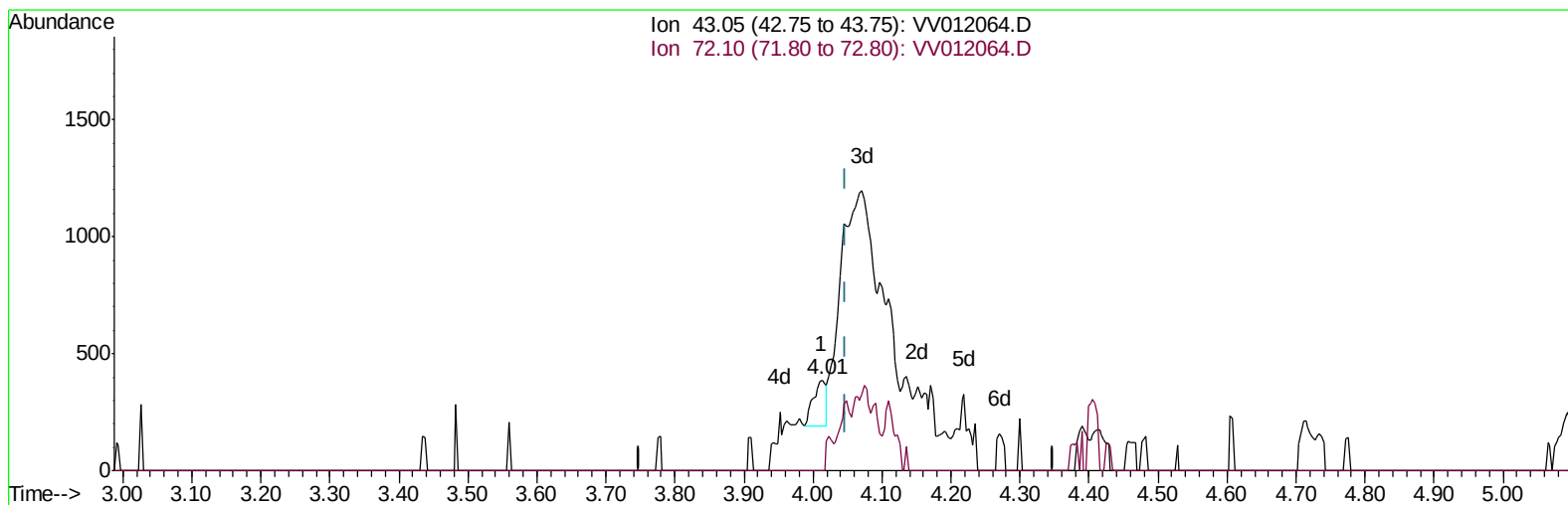
Data File : VV012064.D
Acq On : 29 Jul 2019 15:59
Operator : SY/MD
Sample : MDL02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
MDL02

Manual Integrations
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Quant Time: Jul 30 08:50:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 30 08:46:06 2019
Response via : Initial Calibration



TIC: VV012064.D

(21) 2-Butanone (T)
4.013min (-0.035) 0.13ug/L

response 257

Ion	Exp%	Act%
43.05	100	100
72.10	26.80	39.30
0.00	0.00	0.00
0.00	0.00	0.00

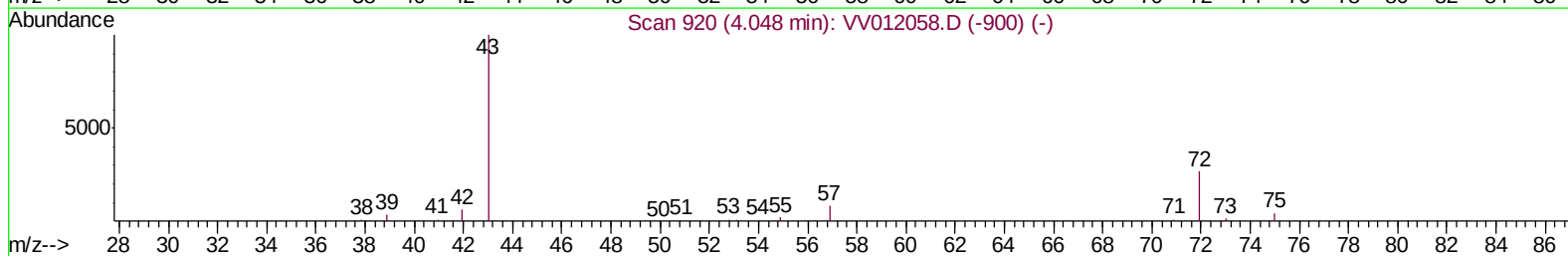
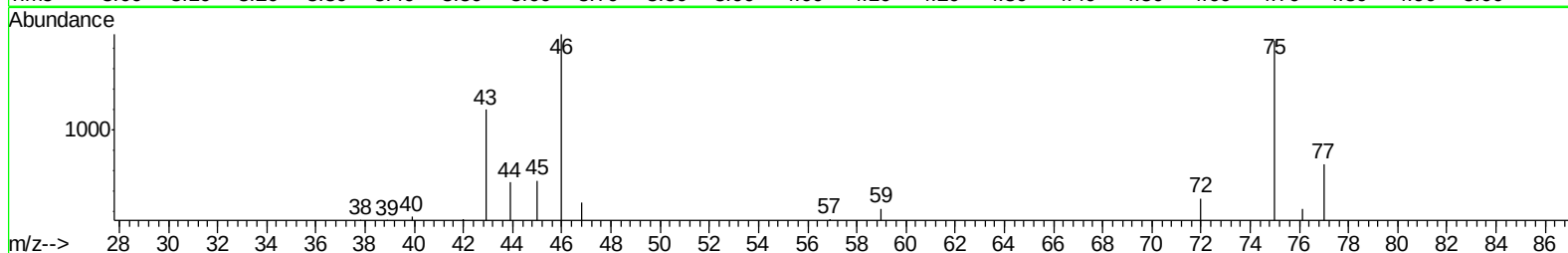
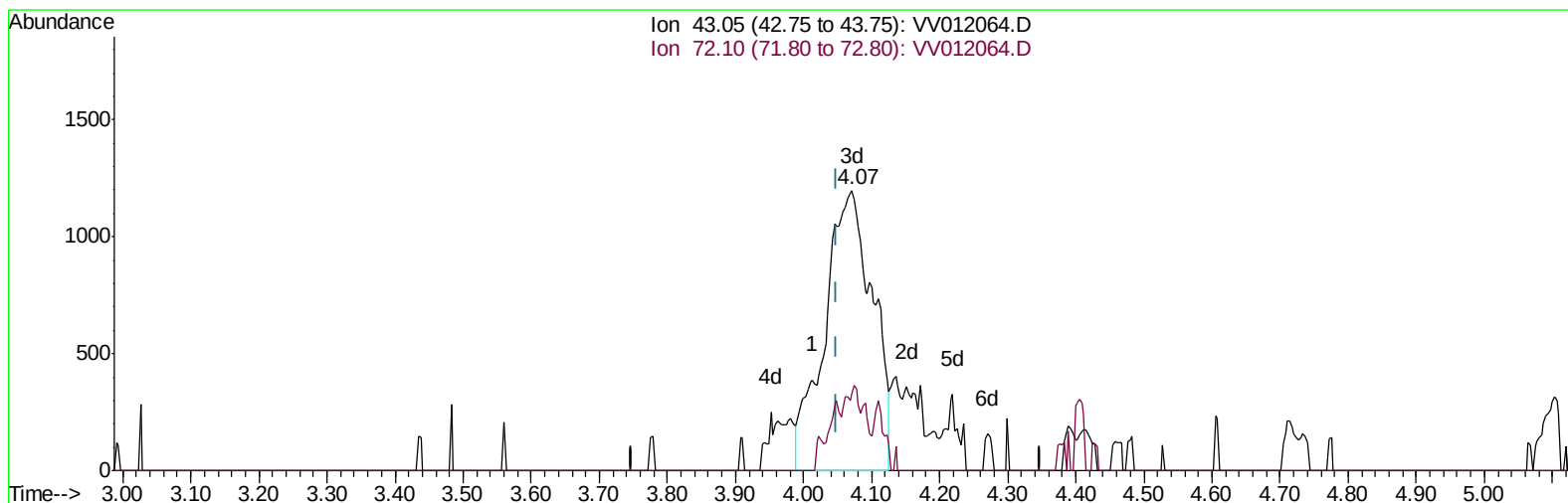
Data File : VV012064.D
Acq On : 29 Jul 2019 15:59
Operator : SY/MD
Sample : MDL02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
7/30/2019 10:58:20 AM

Quant Time: Jul 30 08:50:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 30 08:46:06 2019
Response via : Initial Calibration



TIC: VV012064.D

(21) 2-Butanone (T)
4.071min (+0.023) 2.99ug/L m
response 5882

Ion	Exp%	Act%
43.05	100	100
72.10	26.80	1.72#
0.00	0.00	0.00
0.00	0.00	0.00

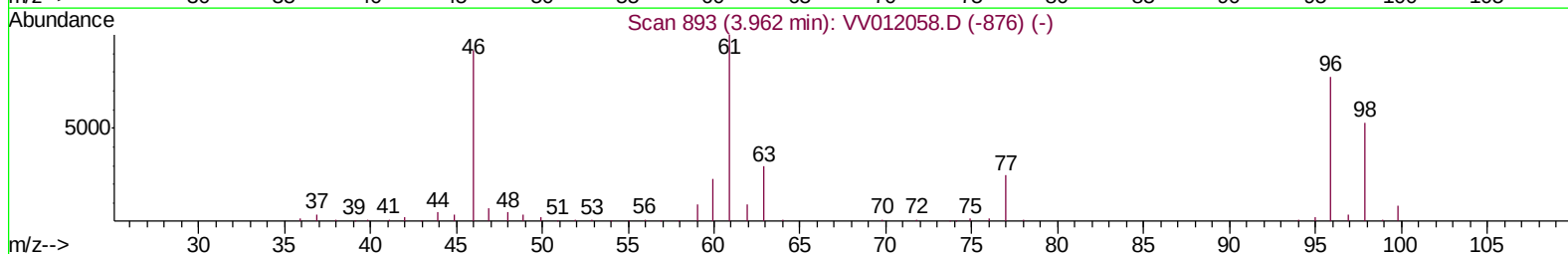
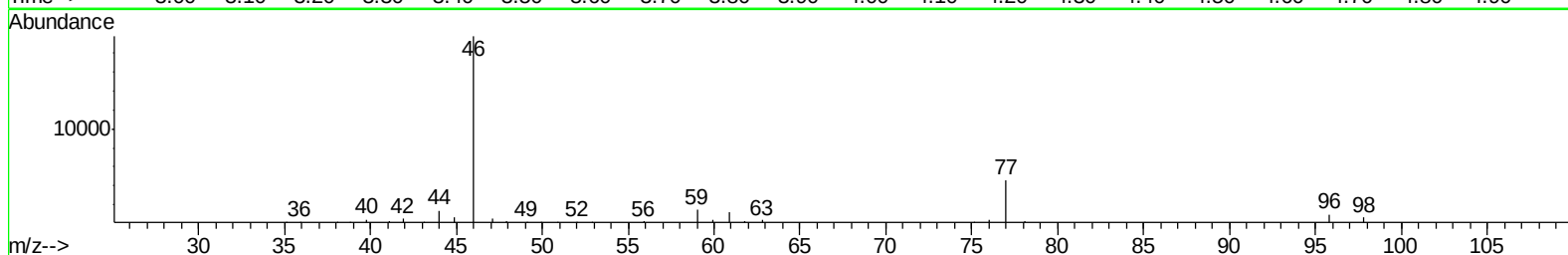
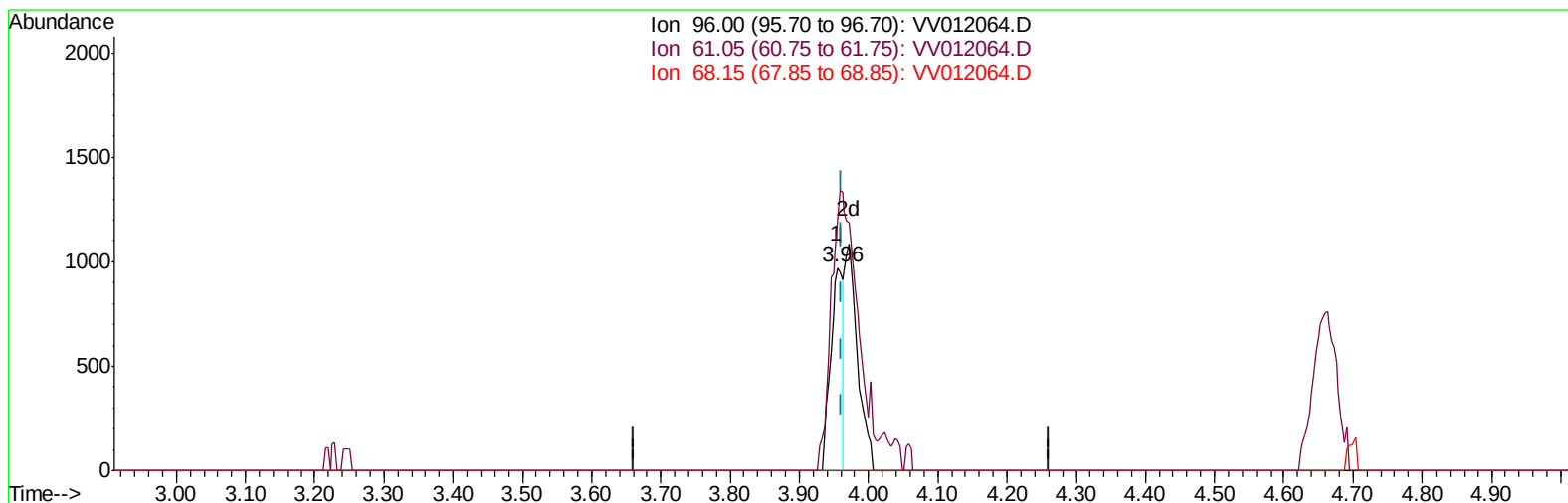
Data File : VV012064.D
Acq On : 29 Jul 2019 15:59
Operator : SY/MD
Sample : MDL02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Manual Integrations
APPROVED

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Quant Time: Jul 30 08:50:11 2019
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Quant Title : TRACE VOA SOM01.0
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TIC: VV012064.D

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

3.955min (-0.006) 0.12ug/L

response 1152

Ion	Exp%	Act%
96.00	100	100
61.05	128.60	123.94
68.15	0.00	0.00
0.00	0.00	0.00

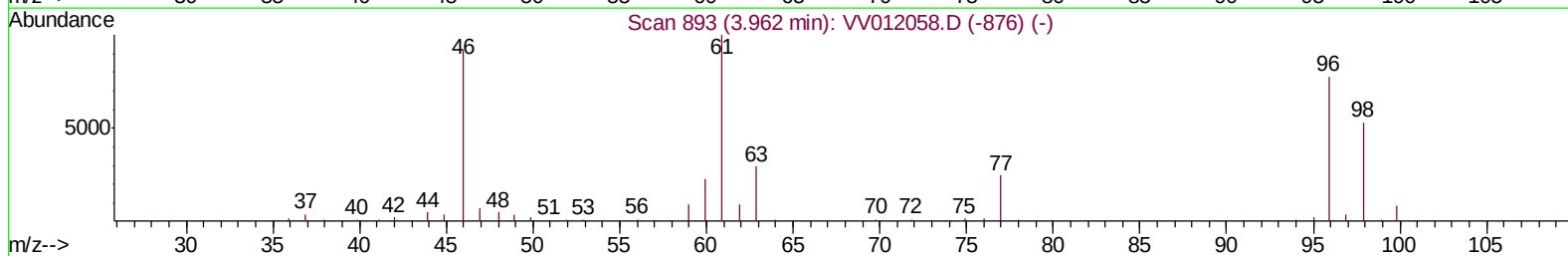
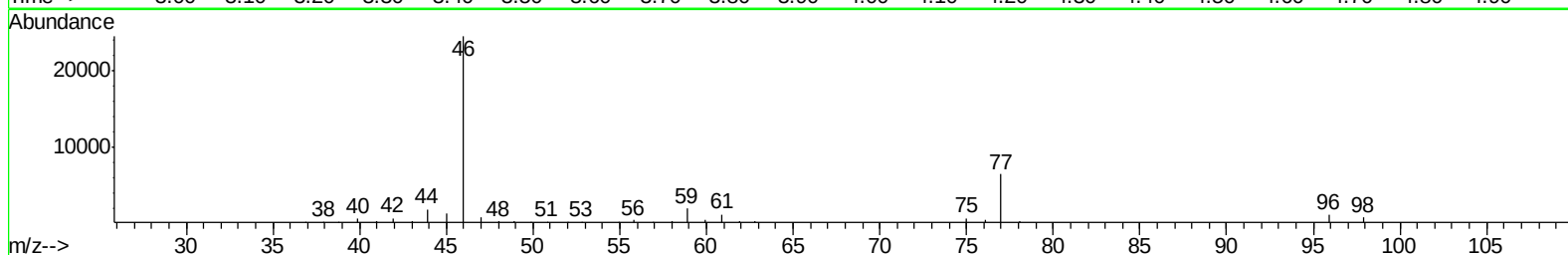
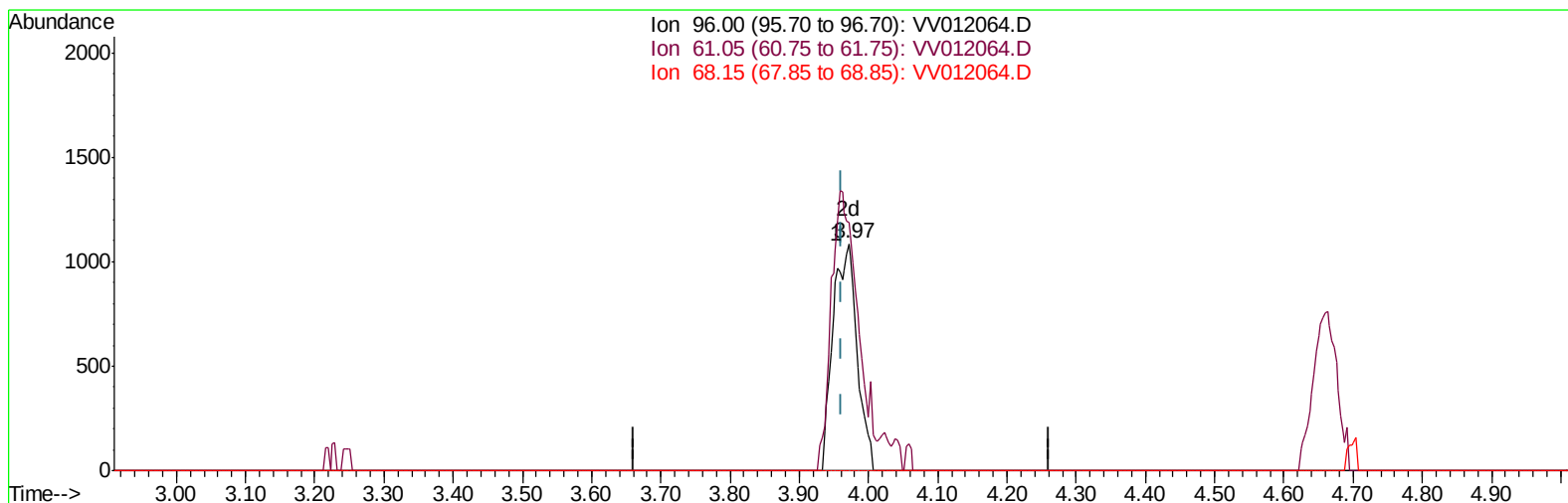
Data File : VV012064.D
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Operator : SY/MD
Sample : MDL02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
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TIC: VV012064.D

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

3.971min (+0.010) 0.26ug/L m

response 2629

Ion	Exp%	Act%
96.00	100	100
61.05	128.60	109.58
68.15	0.00	0.00
0.00	0.00	0.00

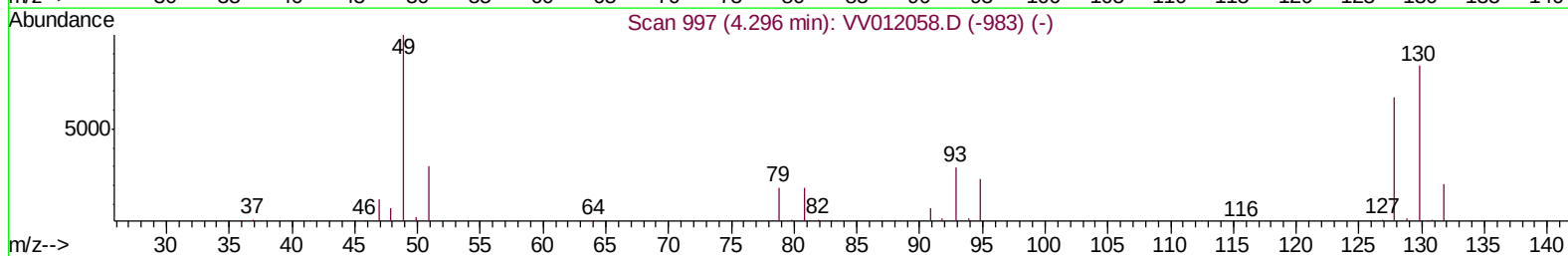
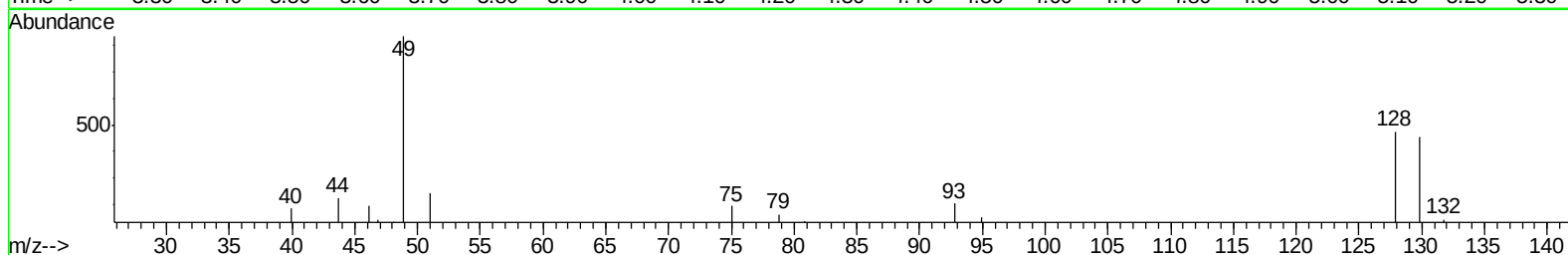
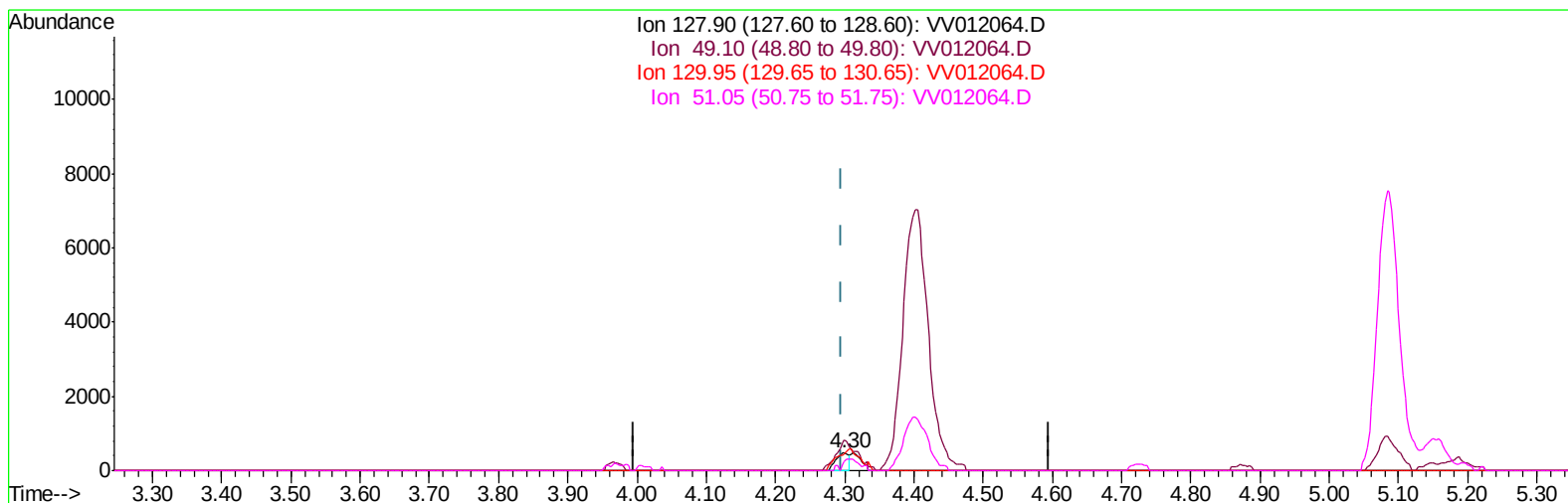
Data File : VV012064.D
Acq On : 29 Jul 2019 15:59
Operator : SY/MD
Sample : MDL02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampled :
MDL02

Manual Integrations
APPROVED

MMDadoda
7/30/2019 10:58:20 AM

Quant Time: Jul 30 08:50:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 30 08:46:06 2019
Response via : Initial Calibration



TIC: VV012064.D

(23) Bromochloromethane (T)

4.299min (+0.003) 0.14ug/L

response 621

Ion	Exp%	Act%
127.90	100	100
49.10	150.10	175.63
129.95	127.00	95.38
51.05	45.20	50.84

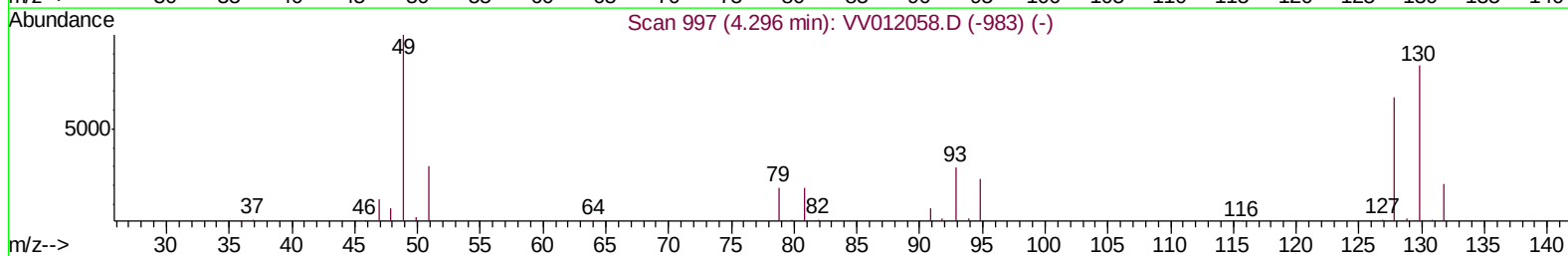
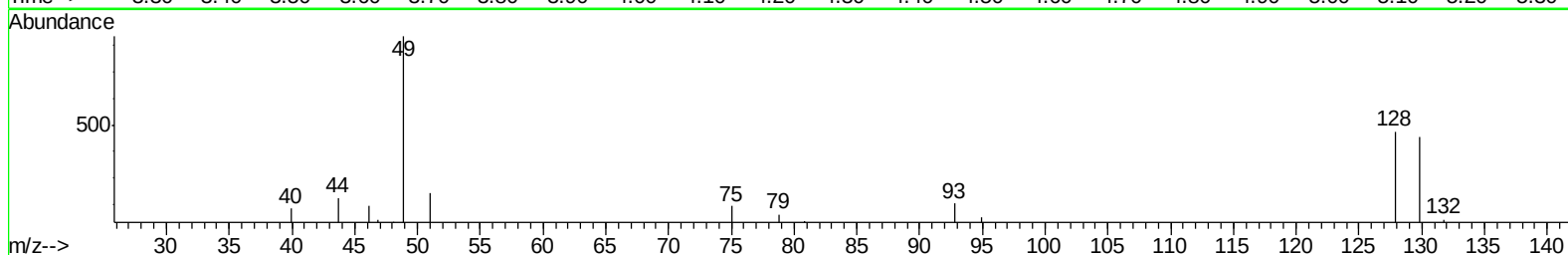
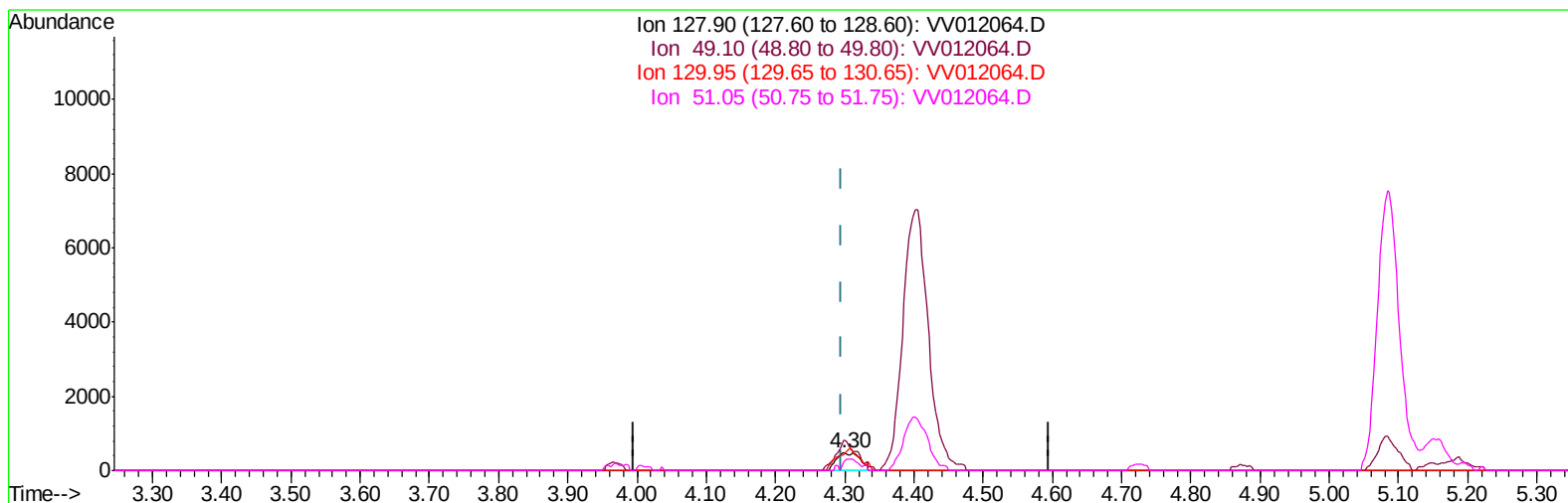
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TIC: VV012064.D

(23) Bromochloromethane (T)

4.299min (+0.003) 0.26ug/L m

response 1114

Ion	Exp%	Act%
127.90	100	100
49.10	150.10	175.63
129.95	127.00	95.38
51.05	45.20	50.84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	140875	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	134974	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	67855	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40082	5.03	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.60%
7) Chloroethane-d5	1.59	69	29411	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.20%
11) 1,1-Dichloroethene-d2	2.13	63	59860	4.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.80%
20) 2-Butanone-d5	3.97	46	99490	54.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.88%
24) Chloroform-d	4.40	84	88970	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
26) 1,2-Dichloroethane-d4	5.08	65	51392	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.10	84	191166	5.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	112.40%
36) 1,2-Dichloropropane-d6	6.12	67	53773	5.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	113.20%
41) Toluene-d8	7.36	98	174717	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
43) trans-1,3-Dichloropropene-	7.67	79	21517	5.18	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	103.60%
46) 2-Hexanone-d5	8.14	63	78615	53.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.94%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	37742	5.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.80%
66) 1,2-Dichlorobenzene-d4	11.67	152	69543	5.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4099	0.255 ug/L	98
3) Chloromethane	1.25	50	2640	0.287 ug/L	95
5) Vinyl chloride	1.32	62	2390	0.254 ug/L #	46
6) Bromomethane	1.54	94	1326	0.236 ug/L	98
8) Chloroethane	1.60	64	1390	0.272 ug/L	95
9) Trichlorofluoromethane	1.77	101	3798	0.236 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2180	0.312 ug/L #	85
12) 1,1-Dichloroethene	2.15	96	2082	0.322 ug/L #	1
13) Acetone	2.22	43	2977m	2.987 ug/L	
14) Carbon disulfide	2.32	76	4733	0.262 ug/L #	87
15) Methyl Acetate	2.47	43	540m	0.264 ug/L	
16) Methylene chloride	2.53	84	2151	0.324 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	5057	0.249 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	2732	0.293 ug/L	88
19) 1,1-Dichloroethane	3.23	63	3973	0.238 ug/L	95
21) 2-Butanone	4.07	43	5882m	2.992 ug/L	
22) cis-1,2-Dichloroethene	3.97	96	2629m	0.265 ug/L	

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ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 30 08:46:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	1114m	0.256	ug/L	
25) Chloroform	4.43	83	14463	0.692	ug/L	95
27) 1,2-Dichloroethane	5.19	62	3282	0.284	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	4383	0.263	ug/L	96
30) Cyclohexane	4.72	56	3870	0.271	ug/L	89
31) Carbon tetrachloride	4.87	117	3486	0.232	ug/L	99
33) Benzene	5.15	78	9710	0.265	ug/L	100
34) Trichloroethene	5.96	95	2672	0.256	ug/L	93
35) Methylcyclohexane	6.17	83	4232	0.258	ug/L	92
37) 1,2-Dichloropropane	6.22	63	2311	0.272	ug/L #	86
38) Bromodichloromethane	6.56	83	3198	0.267	ug/L	89
39) cis-1,3-Dichloropropene	7.07	75	3546	0.267	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	10813	2.260	ug/L #	85
42) Toluene	7.43	91	10071	0.247	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	2511	0.234	ug/L	88
45) 1,1,2-Trichloroethane	7.89	97	1779	0.275	ug/L	85
47) Tetrachloroethene	8.02	164	2801	0.307	ug/L	85
48) 2-Hexanone	8.19	43	9540	2.821	ug/L	95
49) Dibromochloromethane	8.29	129	1934	0.244	ug/L	87
50) 1,2-Dibromoethane	8.40	107	1610	0.266	ug/L #	97
51) Chlorobenzene	8.93	112	6930	0.254	ug/L	96
52) Ethylbenzene	9.05	91	11468	0.247	ug/L	96
53) m,p-xylene	9.18	106	4345	0.245	ug/L	96
54) o-xylene	9.59	106	3963	0.236	ug/L	93
55) Styrene	9.60	104	5648	0.200	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.29	83	1940	0.279	ug/L #	97
59) Bromoform	9.77	173	1048	0.255	ug/L #	94
60) Isopropylbenzene	9.97	105	10610	0.245	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	1186	0.240	ug/L #	89
62) 1,3,5-Trimethylbenzene	10.58	105	7771	0.217	ug/L	94
63) 1,2,4-Trimethylbenzene	10.96	105	7780	0.219	ug/L	99
64) 1,3-Dichlorobenzene	11.23	146	5911	0.274	ug/L	97
65) 1,4-Dichlorobenzene	11.32	146	6084	0.276	ug/L	95
67) 1,2-Dichlorobenzene	11.69	146	5576	0.284	ug/L	96
68) 1,2-Dibromo-3-chloropropan	12.48	75	239	0.234	ug/L	86
69) 1,3,5-Trichlorobenzene	12.69	180	5078	0.284	ug/L	88
70) 1,2,4-trichlorobenzene	13.31	180	3903	0.276	ug/L #	89
71) Naphthalene	13.56	128	4899	0.250	ug/L	96
72) 1,2,3-Trichlorobenzene	13.80	180	3094	0.247	ug/L	98

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

Data File : VV012064.D
Acq On : 29 Jul 2019 15:59
Operator : SY/MD
Sample : MDL02
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL02

Manual Integrations
APPROVED

MMDadoda
7/30/2019 10:58:20 AM

Quant Time: Jul 30 08:59:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVTR072919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 30 08:46:06 2019
Response via : Initial Calibration

