

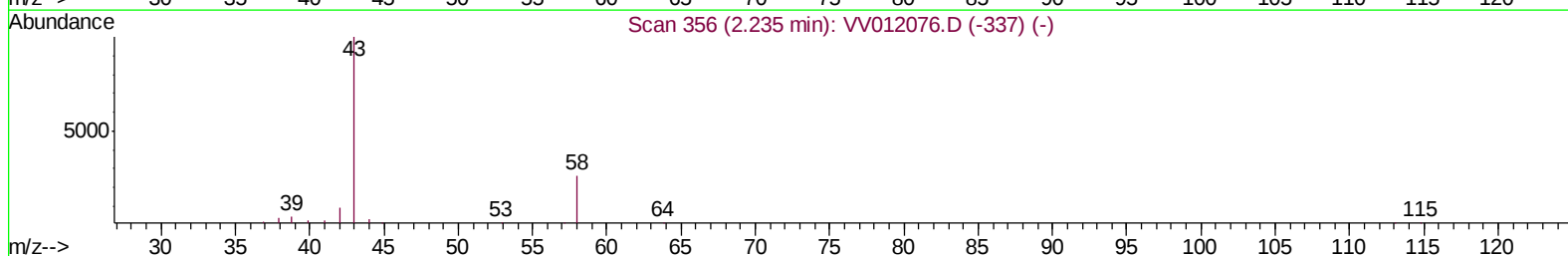
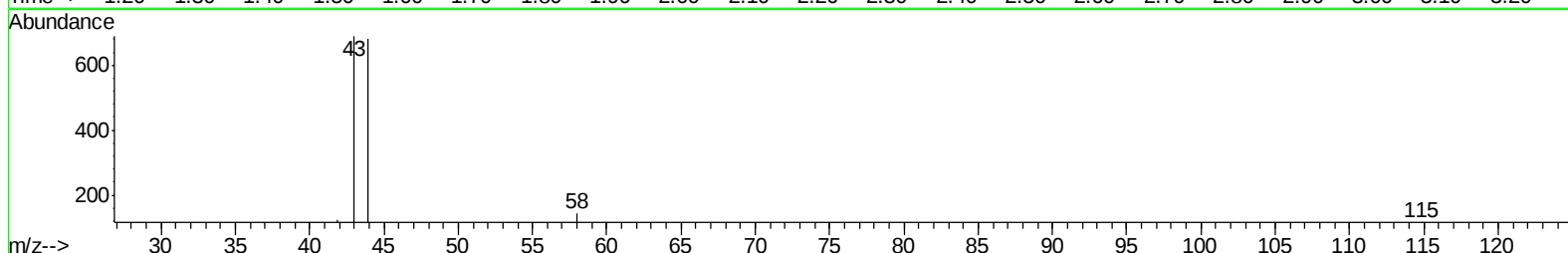
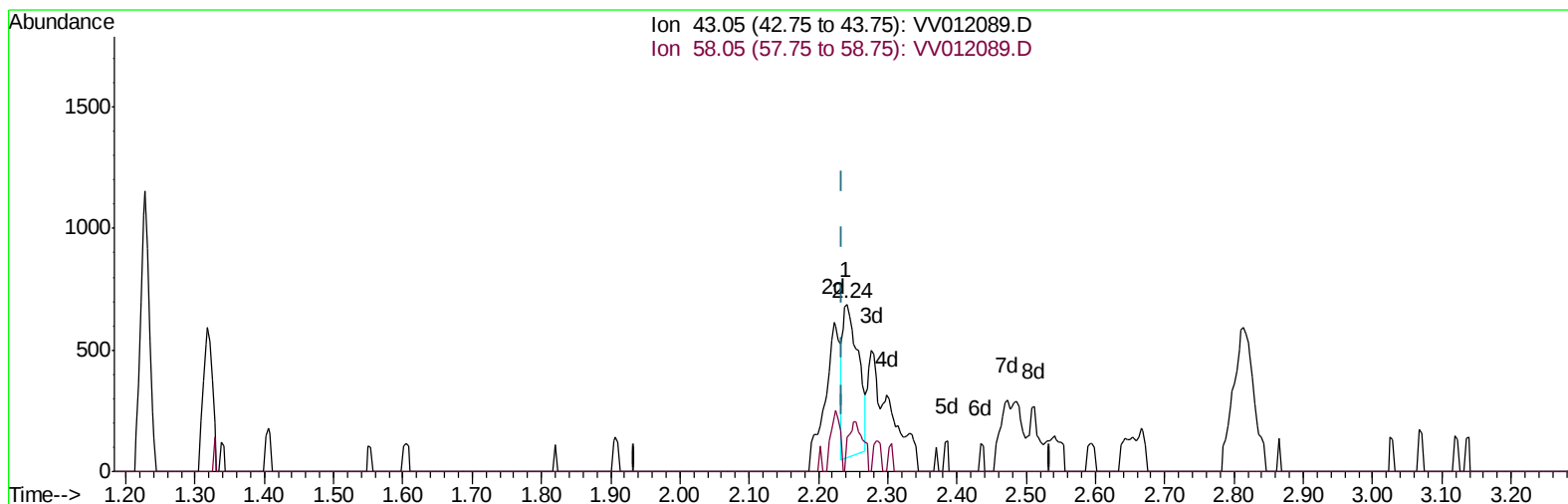
Data File : VV012089.D
Acq On : 30 Jul 2019 23:58
Operator : SY/MD
Sample : MDL06
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Manual Integrations
APPROVED

MMdadoda
8/1/2019 9:58:38 AM

Quant Time: Jul 31 05:40:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 05:31:06 2019
Response via : Initial Calibration



TIC: VV012089.D

(13) Acetone (T)

2.241min (+0.006) 1.42ug/L

response 983

Ion	Exp%	Act%
43.05	100	100
58.05	25.50	30.52
0.00	0.00	0.00
0.00	0.00	0.00

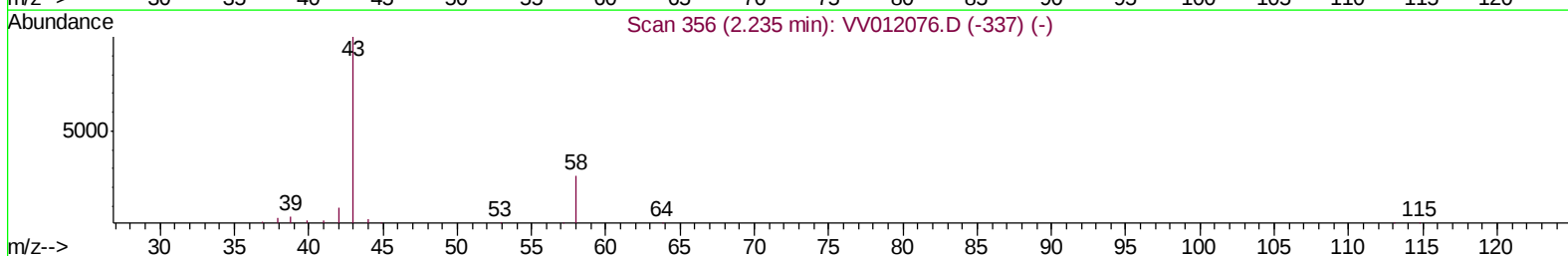
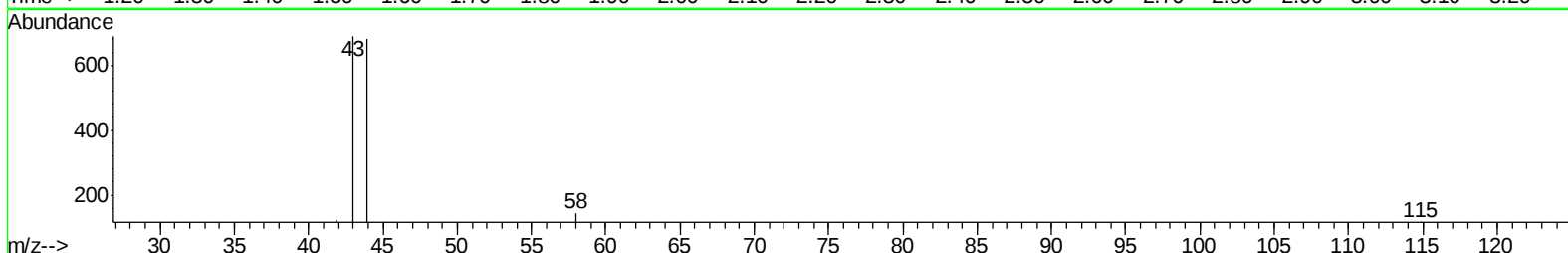
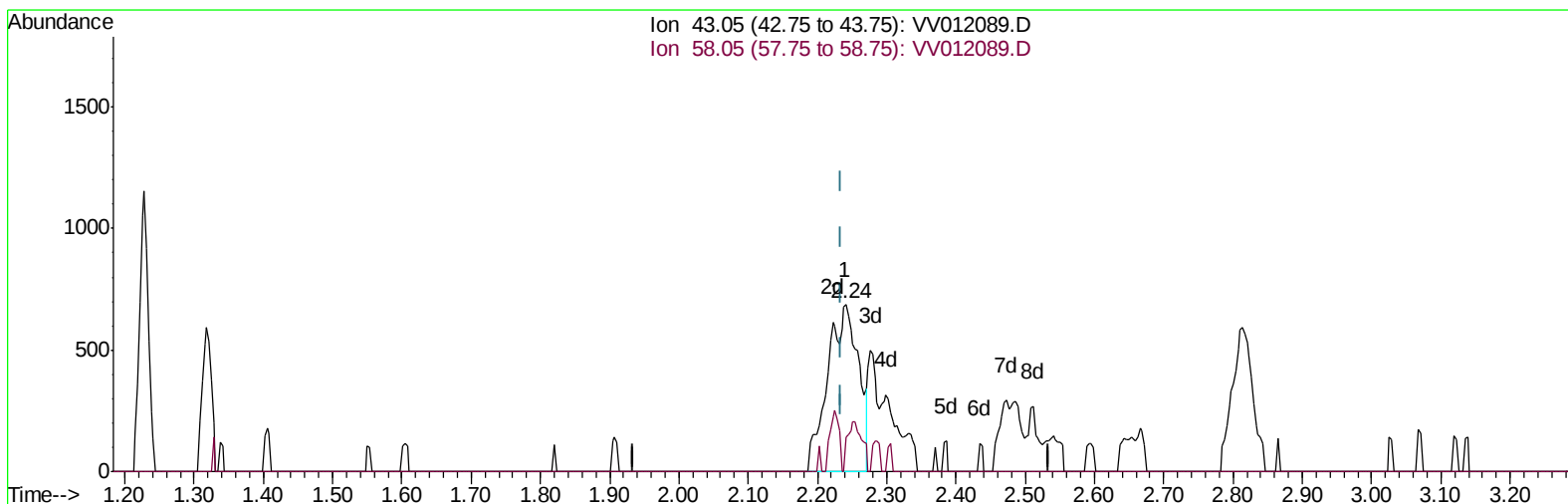
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TIC: VV012089.D

(13) Acetone (T)

2.241min (+0.006) 3.06ug/L m

response 2123

Ion	Exp%	Act%
43.05	100	100
58.05	25.50	14.13
0.00	0.00	0.00
0.00	0.00	0.00

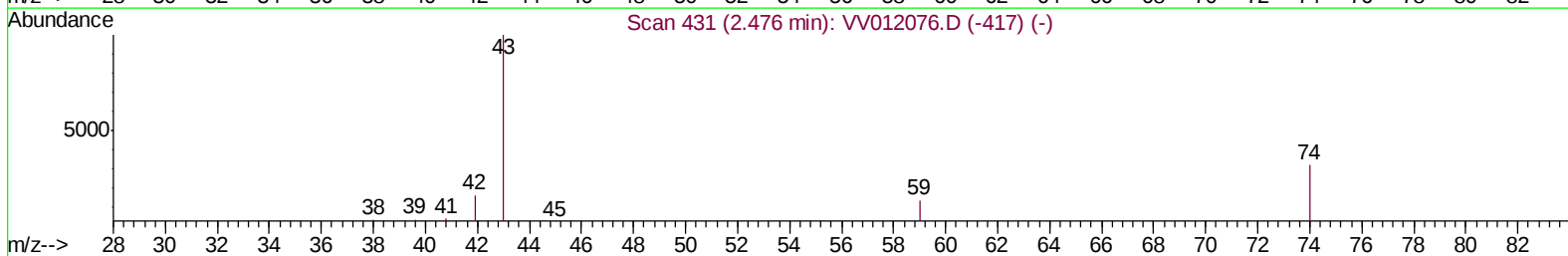
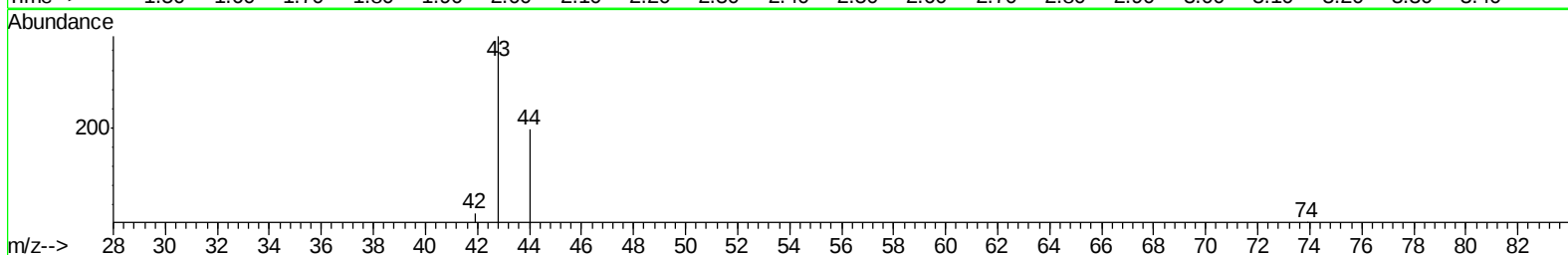
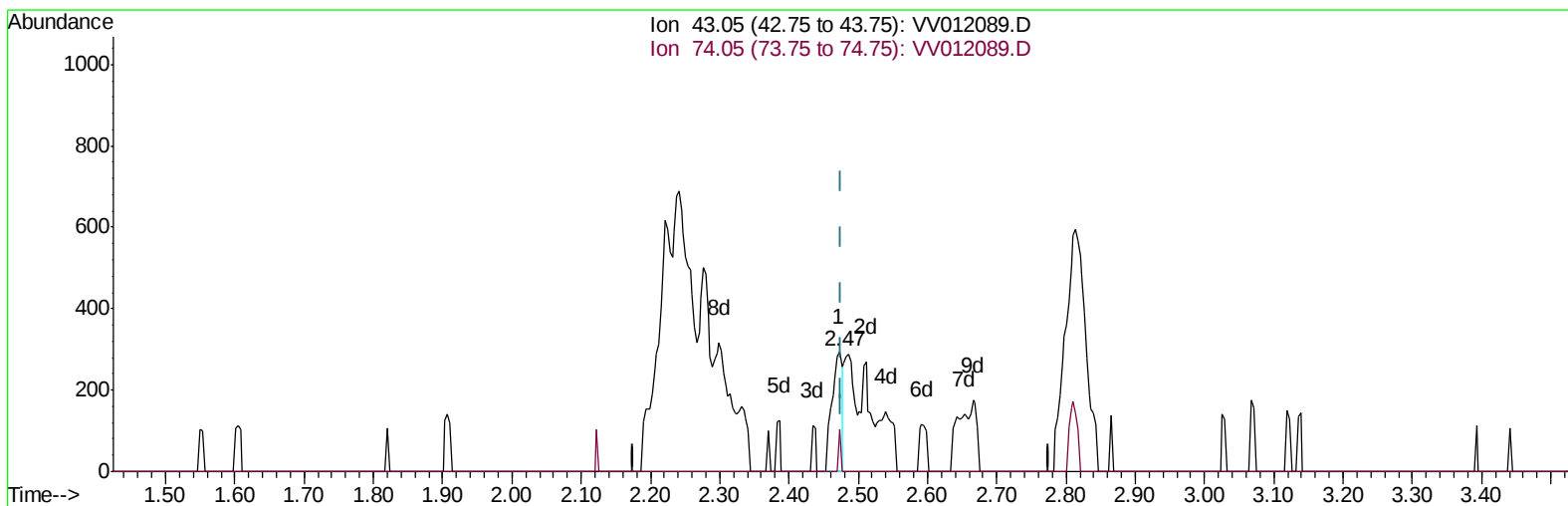
Data File : VV012089.D
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Misc : 25ML/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

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TIC: VV012089.D

(15) Methyl Acetate (T)

2.473min (-0.003) 0.19ug/L

response 293

Ion	Exp%	Act%
43.05	100	100
74.05	29.20	6.83#
0.00	0.00	0.00
0.00	0.00	0.00

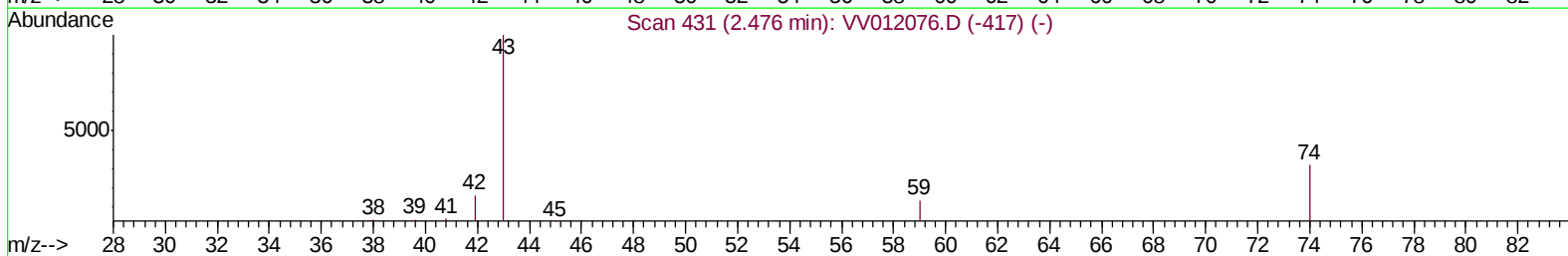
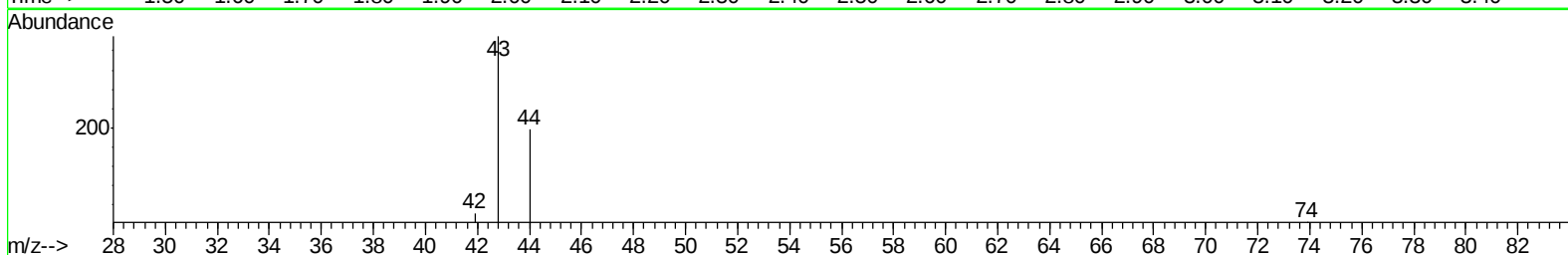
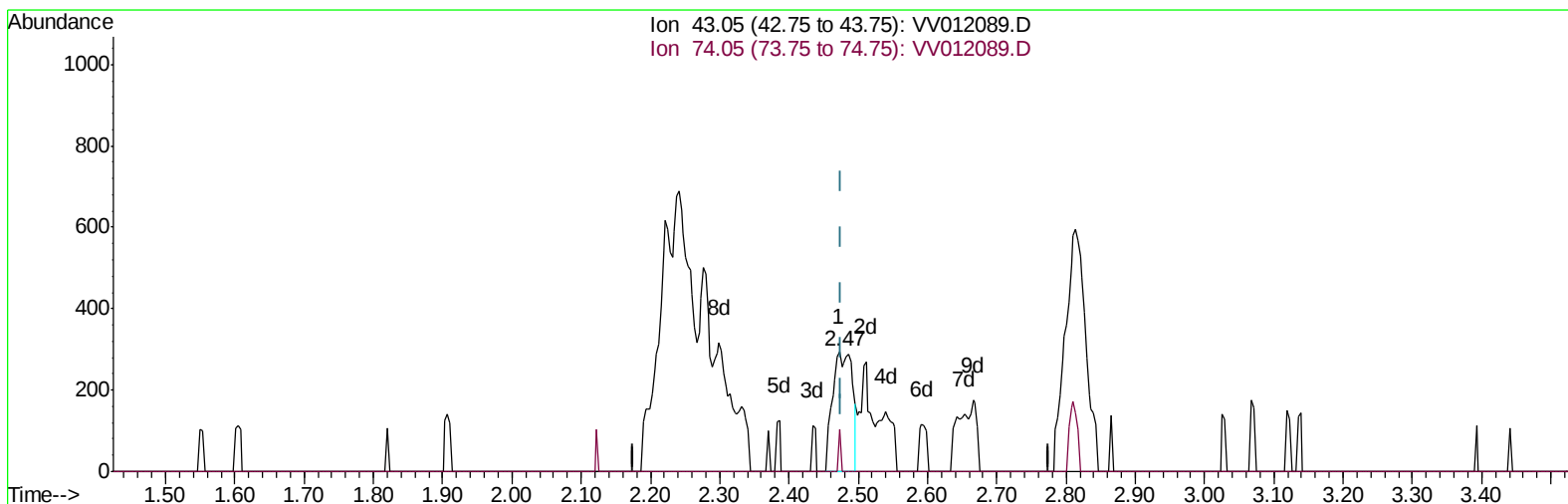
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ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
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Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
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TIC: VV012089.D

(15) Methyl Acetate (T)

2.473min (-0.003) 0.37ug/L m

response 579

Ion	Exp%	Act%
43.05	100	100
74.05	29.20	3.45#
0.00	0.00	0.00
0.00	0.00	0.00

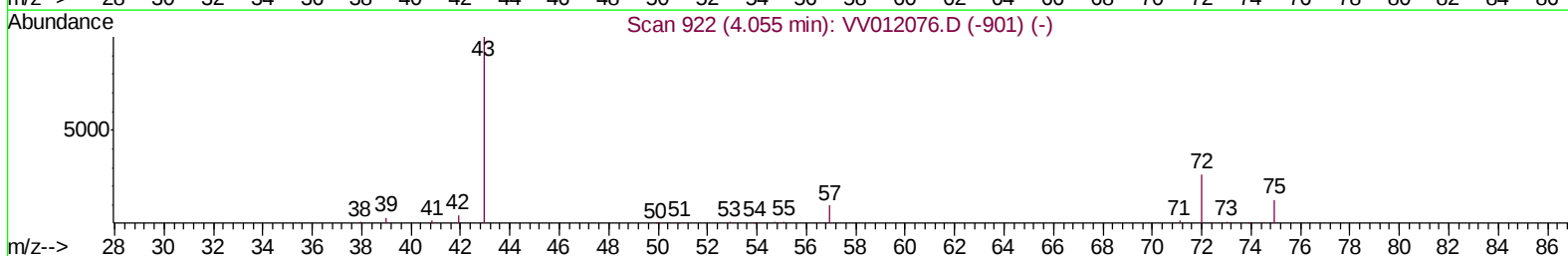
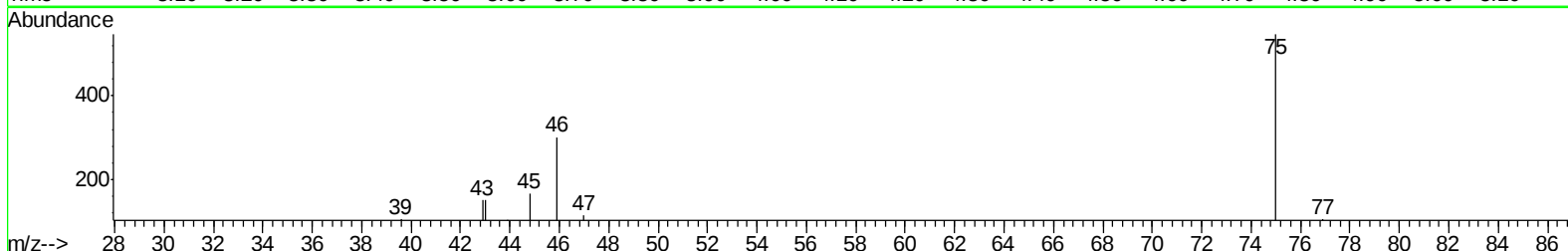
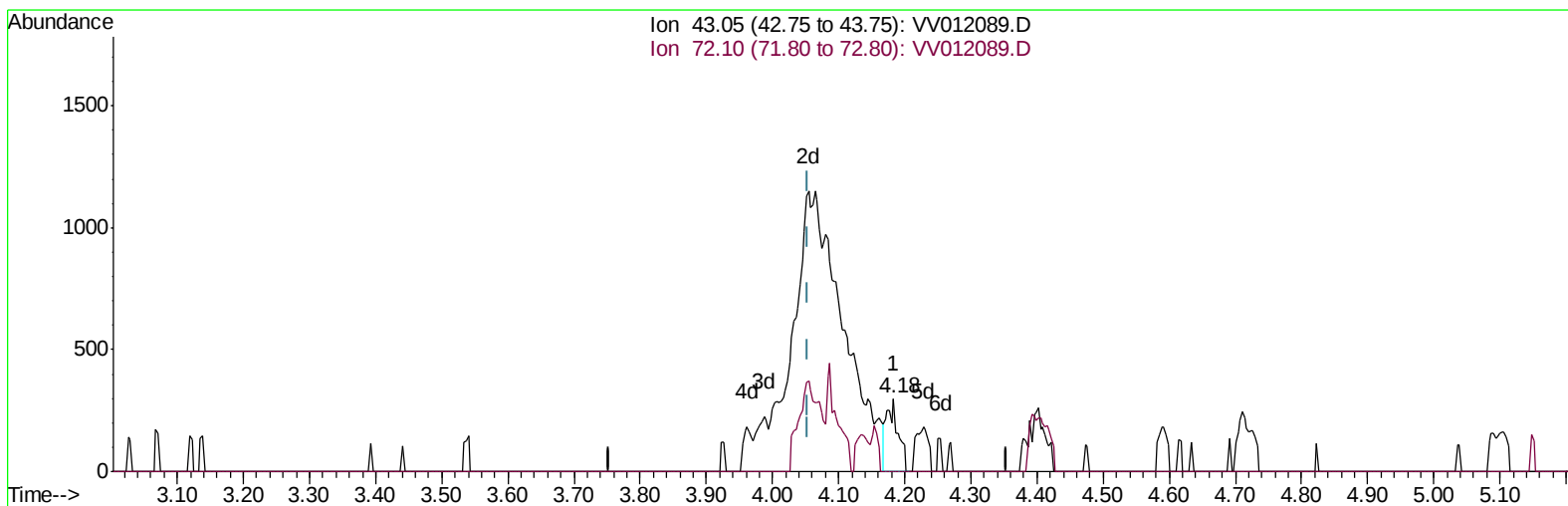
Data File : VV012089.D
Acq On : 30 Jul 2019 23:58
Operator : SY/MD
Sample : MDL06
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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Manual Integrations
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Quant Time: Jul 31 05:40:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
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Response via : Initial Calibration



TIC: VV012089.D

(21) 2-Butanone (T)
4.183min (+0.129) 0.27ug/L
response 366

Ion	Exp%	Act%
43.05	100	100
72.10	28.00	31.69
0.00	0.00	0.00
0.00	0.00	0.00

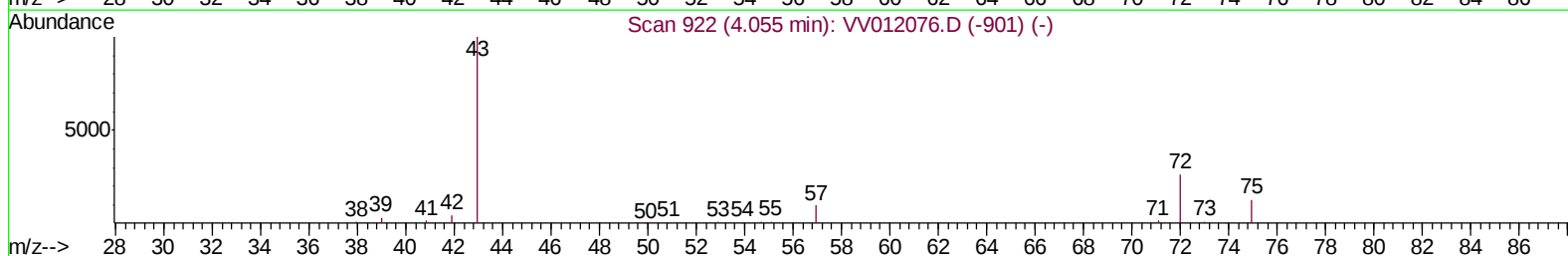
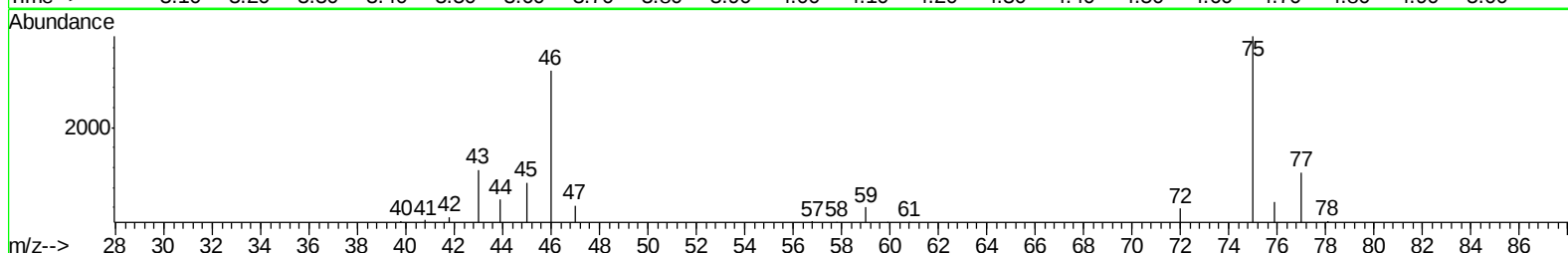
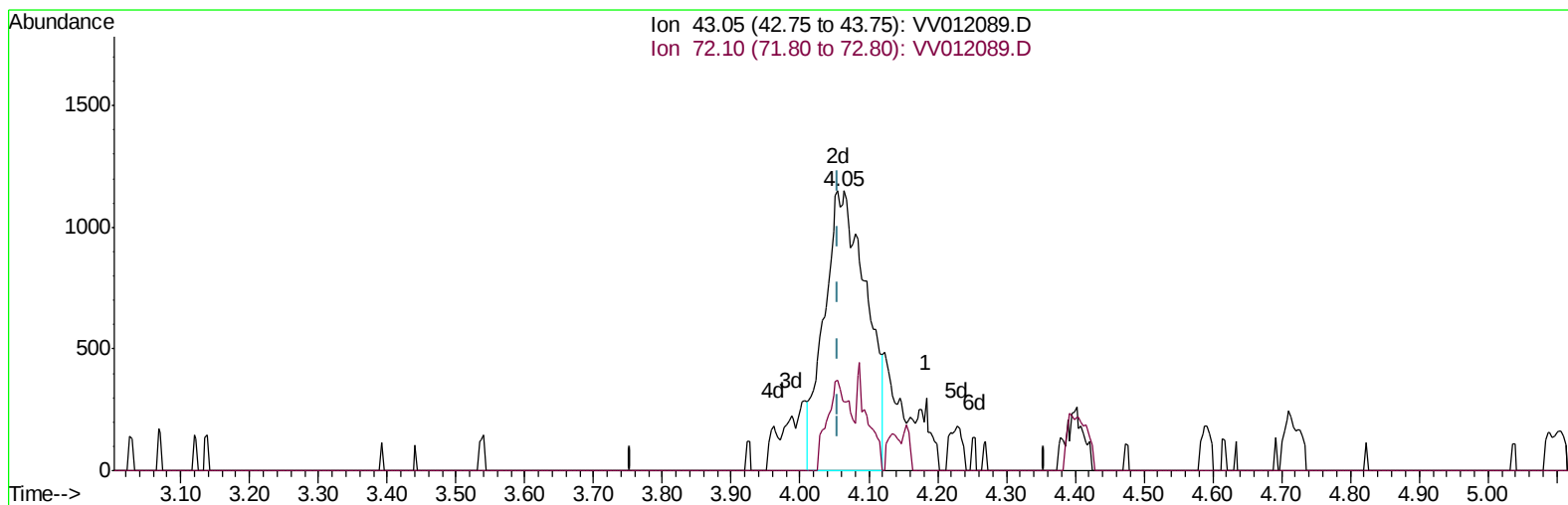
Data File : VV012089.D
Acq On : 30 Jul 2019 23:58
Operator : SY/MD
Sample : MDL06
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Manual Integrations
APPROVED

MMdadoda
8/1/2019 9:58:38 AM

Quant Time: Jul 31 05:40:19 2019
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Response via : Initial Calibration



TIC: VV012089.D

(21) 2-Butanone (T)
4.055min (-0.000) 3.58ug/L m

response 4922

Ion	Exp%	Act%
43.05	100	100
72.10	28.00	2.36#
0.00	0.00	0.00
0.00	0.00	0.00

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ALS Vial : 19 Sample Multiplier: 1

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Manual Integrations
APPROVED

MMdadoda
8/1/2019 9:58:38 AM

Quant Time: Jul 31 06:42:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 05:31:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	104631	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	103876	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	53333	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24372	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.59	69	19652	5.14	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.80%
11) 1,1-Dichloroethene-d2	2.13	63	39994	3.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	3.97	46	69353	50.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.70%
24) Chloroform-d	4.40	84	69693	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.08	65	39214	5.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.80%
32) Benzene-d6	5.10	84	133448	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.12	67	36313	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.36	98	123794	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
43) trans-1,3-Dichloropropene-	7.67	79	15178	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.14	63	54930	50.06	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	26030	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	50845	5.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.60%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3994	0.344 ug/L	99
3) Chloromethane	1.25	50	1975	0.356 ug/L	94
5) Vinyl chloride	1.32	62	2226	0.368 ug/L #	70
6) Bromomethane	1.54	94	1288	0.343 ug/L	98
8) Chloroethane	1.60	64	1433	0.425 ug/L	86
9) Trichlorofluoromethane	1.77	101	4244	0.361 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2154	0.430 ug/L	86
12) 1,1-Dichloroethene	2.14	96	1825	0.397 ug/L #	1
13) Acetone	2.24	43	2123m	3.059 ug/L	
14) Carbon disulfide	2.32	76	4273	0.341 ug/L #	92
15) Methyl Acetate	2.47	43	579m	0.367 ug/L	
16) Methylene chloride	2.54	84	1977	0.414 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	5191	0.340 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	2770	0.405 ug/L	76
19) 1,1-Dichloroethane	3.23	63	3847	0.316 ug/L	96
21) 2-Butanone	4.05	43	4922m	3.577 ug/L	
22) cis-1,2-Dichloroethene	3.97	96	2481	0.338 ug/L	83

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MMdadoda
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Quant Time: Jul 31 06:42:48 2019
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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 05:31:06 2019
Response via : Initial Calibration

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

23) Bromochloromethane	4.31	128	1158	0.351	ug/L #	73
25) Chloroform	4.43	83	10762	0.681	ug/L	100
27) 1,2-Dichloroethane	5.18	62	3069	0.353	ug/L #	75
29) 1,1,1-Trichloroethane	4.66	97	4476	0.332	ug/L	96
30) Cyclohexane	4.72	56	3530	0.343	ug/L	93
31) Carbon tetrachloride	4.88	117	4255	0.351	ug/L	90
33) Benzene	5.15	78	9627	0.350	ug/L	100
34) Trichloroethene	5.96	95	2828	0.356	ug/L #	76
35) Methylcyclohexane	6.17	83	4001	0.333	ug/L	94
37) 1,2-Dichloropropane	6.23	63	2200	0.345	ug/L #	82
38) Bromodichloromethane	6.56	83	3166	0.338	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	3239	0.327	ug/L	93
40) 4-Methyl-2-pentanone	7.28	43	10896	3.143	ug/L #	85
42) Toluene	7.43	91	10615	0.353	ug/L	93
44) trans-1,3-Dichloropropene	7.69	75	2603	0.325	ug/L	86
45) 1,1,2-Trichloroethane	7.89	97	1616	0.340	ug/L	87
47) Tetrachloroethene	8.02	164	2582	0.358	ug/L	97
48) 2-Hexanone	8.19	43	8354	3.465	ug/L #	96
49) Dibromochloromethane	8.29	129	2031	0.330	ug/L	83
50) 1,2-Dibromoethane	8.40	107	1407	0.309	ug/L #	97
51) Chlorobenzene	8.93	112	7175	0.352	ug/L	96
52) Ethylbenzene	9.05	91	11009	0.317	ug/L	97
53) m,p-xylene	9.18	106	4343	0.326	ug/L	94
54) o-xylene	9.59	106	4292	0.337	ug/L	96
55) Styrene	9.61	104	6486	0.300	ug/L	92
56) Isopropylbenzene	9.97	105	10875	0.308	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	1968	0.375	ug/L	97
59) 1,2,3-Trichloropropane	10.32	75	1410	0.356	ug/L	95
61) Bromoform	9.77	173	1075	0.339	ug/L #	89
62) 1,3-Dichlorobenzene	11.23	146	6221	0.378	ug/L	95
63) 1,4-Dichlorobenzene	11.32	146	6041	0.360	ug/L	95
65) 1,2-Dichlorobenzene	11.69	146	5369	0.361	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	306	0.383	ug/L #	82
67) 1,3,5-Trichlorobenzene	12.69	180	5117	0.380	ug/L	93
68) 1,2,4-trichlorobenzene	13.31	180	3657	0.336	ug/L	96
69) Naphthalene	13.56	128	4565	0.312	ug/L #	87
70) 1,2,3-Trichlorobenzene	13.79	180	3476	0.359	ug/L	95

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

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8/1/2019 9:58:38 AM

Abundance

TIC: VV012089.D

Time-->

Chloromethane, T
Dichloromethane, T
Vinyl Chloride, T3, S
Bromomethane, T
Chloroethane, T
Trichloroethane-d5, S
Trichlorofluoromethane, T
Acetone, T
Acetone disulfide, T
Methyl chloride, T
Methyl bromide, T
Methyl iodide, T
1,1-Dichloroethane, T
1,1-Dichloroethane, T
2-Butanone, T
2,2,4,4-Tetrachlorobutane, T
Bromochloromethane, T
Chloroform, T
1,1,1-Trichloroethane, T
1,1,2-Trichloroethane, T
Carbon tetrachloride, T
1,2-Dichloroethane, T
1,2-Dichloroethane, T
Trichloroethene, T
1,2-Dichloropropane, T
1,2-Dichloropropane, T
Bromodichloromethane, T
cis-1,3-Dichloropropene, T
4-Methyl-2-pentanone, T
Toluene, T
trans-1,3-Dichloropropene, T
trans-1,3-Dichloropropene-d4, S
1,1,2-Trichloroethane, T
1,1,2-Trichloroethane, T
1,2-Dibromochloroethane, T
1,2-Dibromochloroethane, T
Chlorobenzene, T
Ethylbenzene, T
m,p-Xylene, T
o-Xylene, T
Bromobenzene, T
Isopropylbenzene, T
1,1,2,2-Tetrachloroethane-d2, S
1,1,2,2-Tetrachloroethane, T
1,3-Dichlorobenzene, T
1,4-Dichlorobenzene, T
1,3-Dichlorobenzene, T
1,4-Dichlorobenzene-d4, I
1,2-Dichlorobenzene, T
1,2-Dichlorobenzene-d4, S
1,2-Dibromo-3-chloropropane, T
1,3,5-Trichlorobenzene
1,2,4-trichlorobenzene, T
Naphthalene
1,2,3-Trichlorobenzene, T