

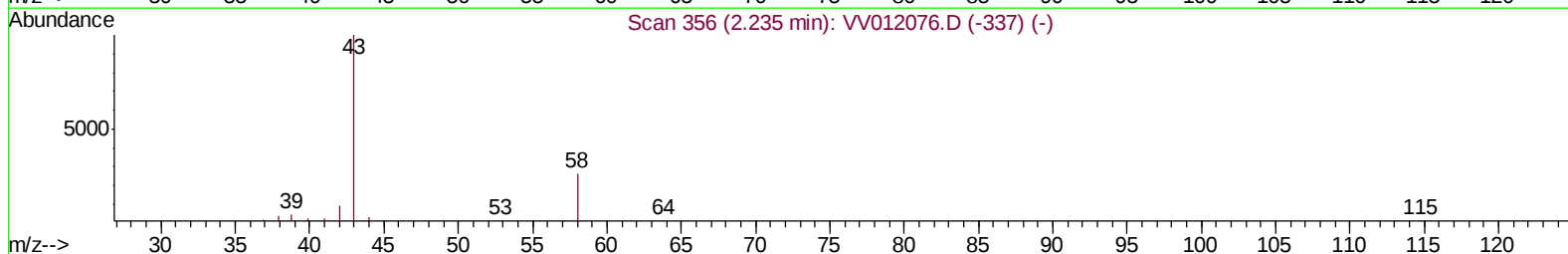
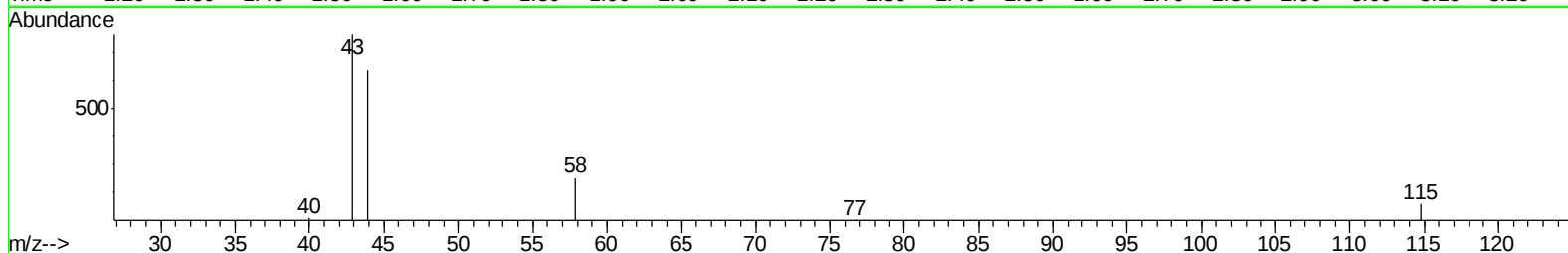
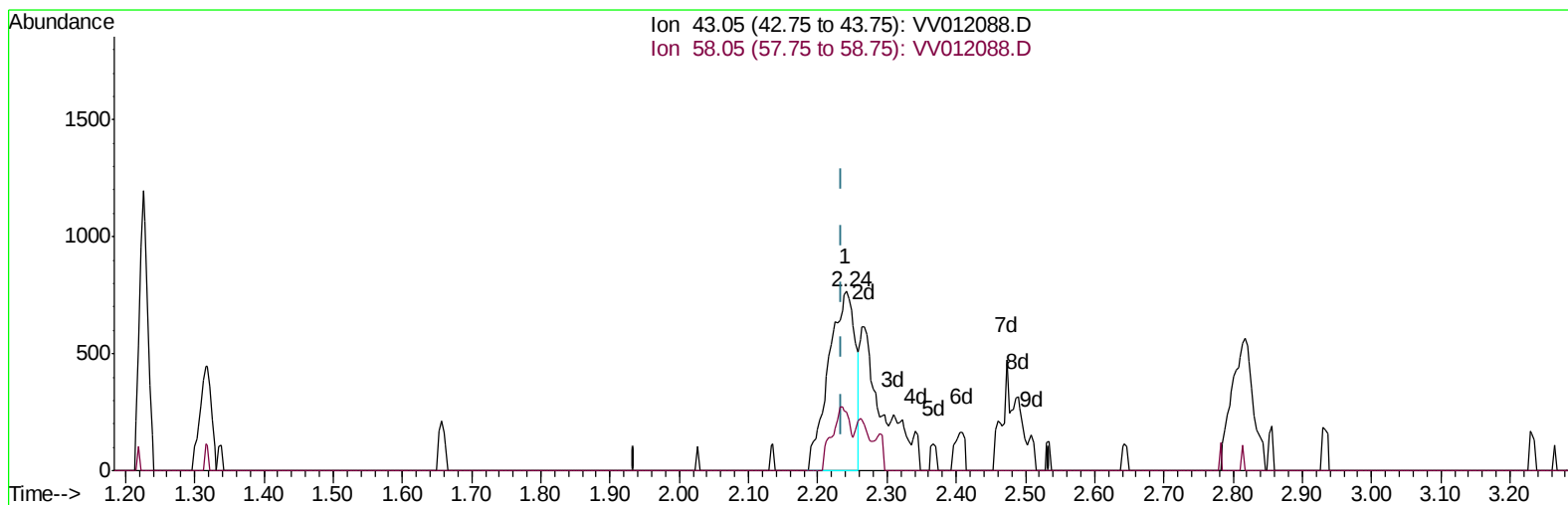
Data File : VV012088.D
Acq On : 30 Jul 2019 23:33
Operator : SY/MD
Sample : MDL05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMdadoda
8/1/2019 9:58:33 AM

Quant Time: Jul 31 05:39:51 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: VV012088.D

(13) Acetone (T)

2.242min (+0.007) 2.63ug/L

response 2031

Ion	Exp%	Act%
43.05	100	100
58.05	25.50	25.01
0.00	0.00	0.00
0.00	0.00	0.00

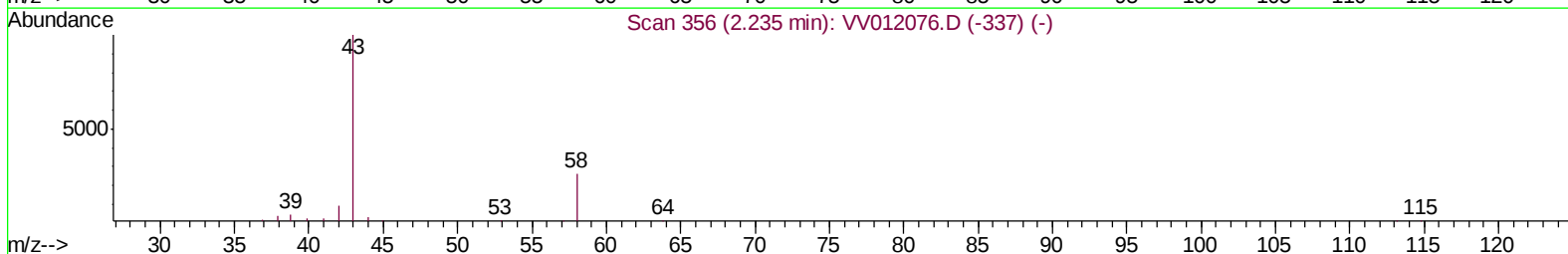
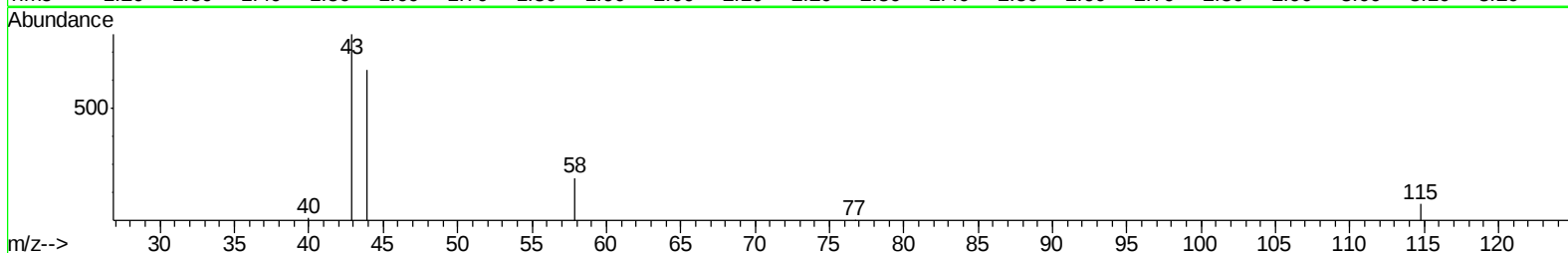
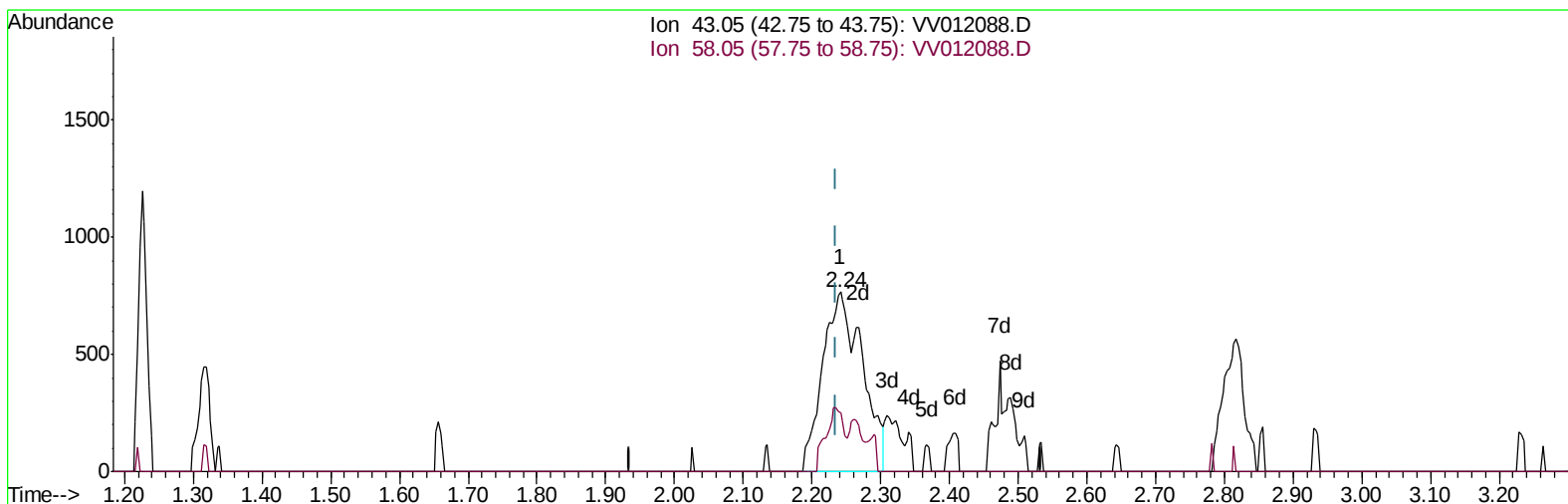
Data File : VV012088.D
Acq On : 30 Jul 2019 23:33
Operator : SY/MD
Sample : MDL05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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Manual Integrations
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Quant Time: Jul 31 05:39:51 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: VV012088.D

(13) Acetone (T)

2.242min (+0.007) 3.96ug/L m

response 3054

Ion	Exp%	Act%
43.05	100	100
58.05	25.50	16.63
0.00	0.00	0.00
0.00	0.00	0.00

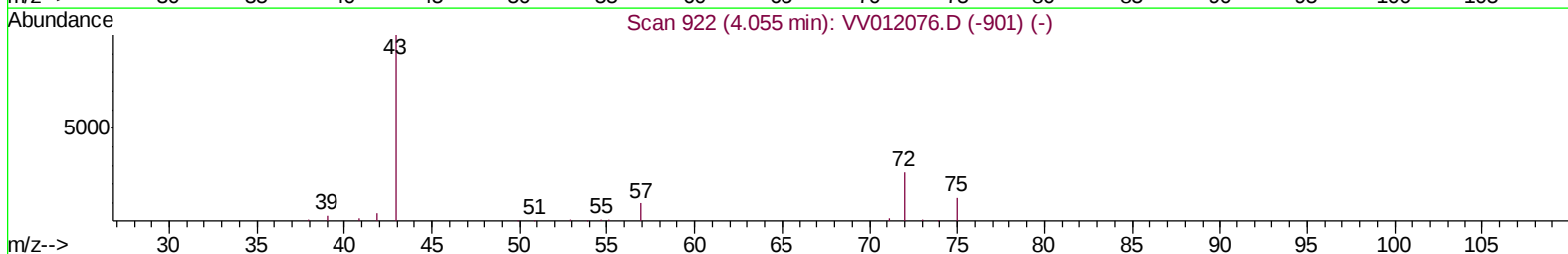
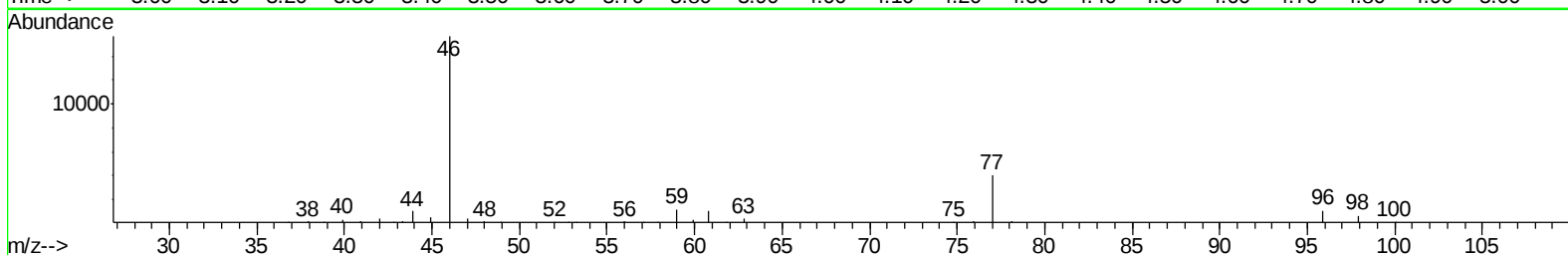
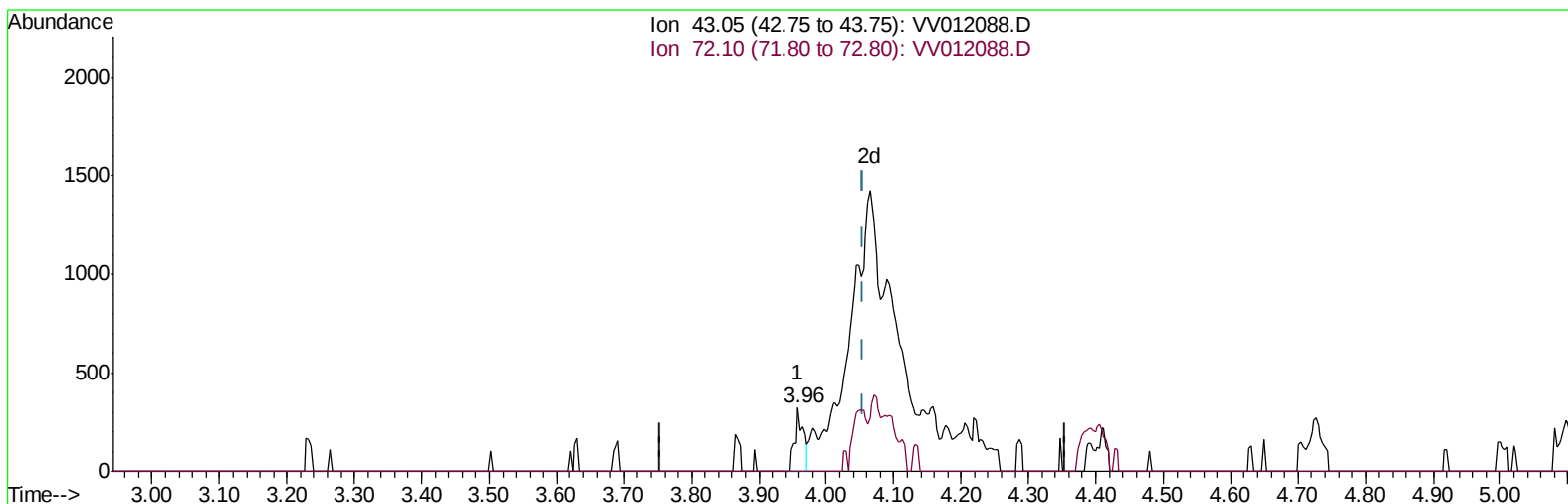
Data File : VV012088.D
Acq On : 30 Jul 2019 23:33
Operator : SY/MD
Sample : MDL05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations
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Quant Time: Jul 31 05:39:51 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: VV012088.D

(21) 2-Butanone (T)
3.958min (-0.096) 0.19ug/L

response 285

Ion	Exp%	Act%
43.05	100	100
72.10	28.00	14.04
0.00	0.00	0.00
0.00	0.00	0.00

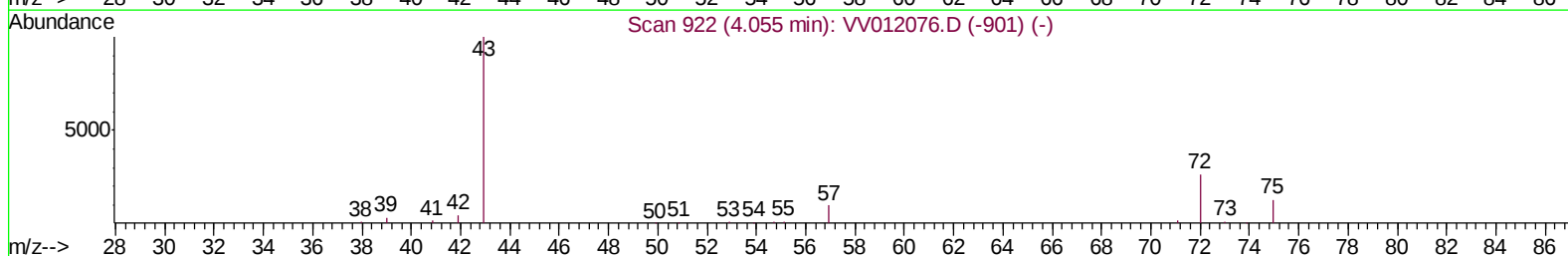
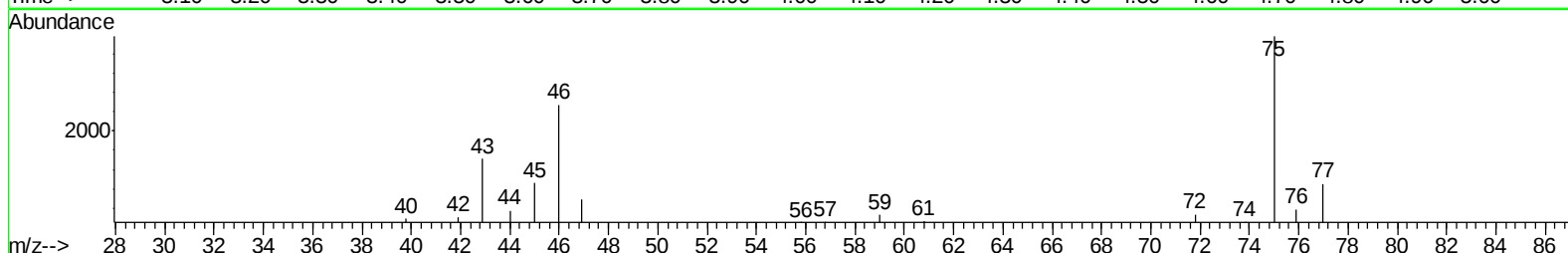
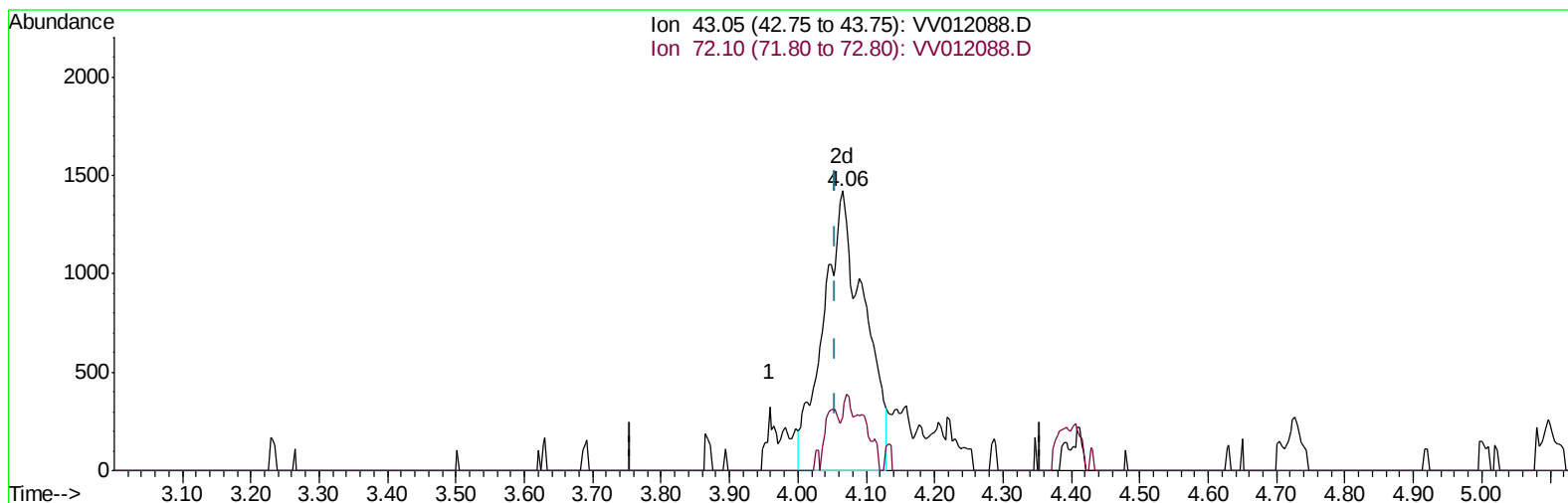
Data File : VV012088.D
Acq On : 30 Jul 2019 23:33
Operator : SY/MD
Sample : MDL05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMdadoda
8/1/2019 9:58:33 AM

Quant Time: Jul 31 05:39:51 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: VV012088.D

(21) 2-Butanone (T)
4.065min (+0.010) 3.84ug/L m
response 5862

Ion	Exp%	Act%
43.05	100	100
72.10	28.00	0.68#
0.00	0.00	0.00
0.00	0.00	0.00

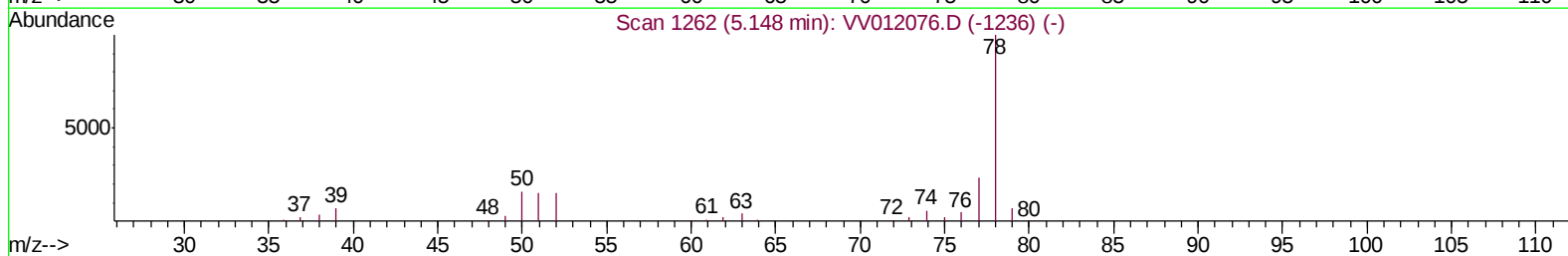
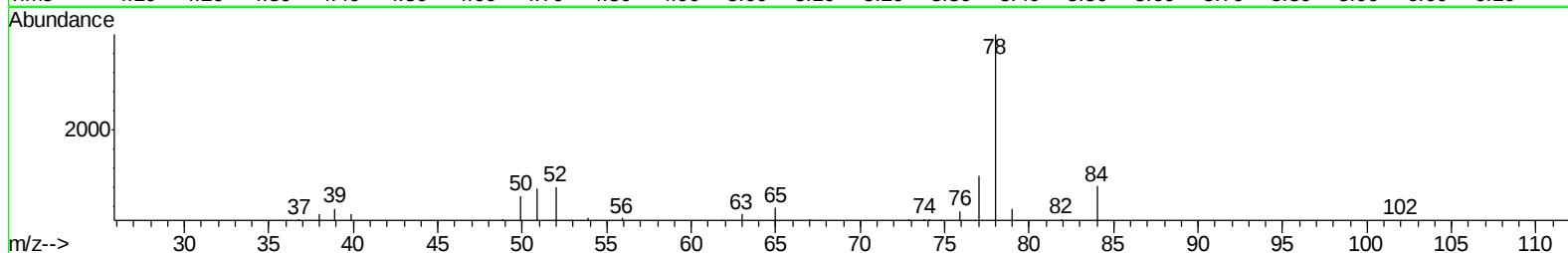
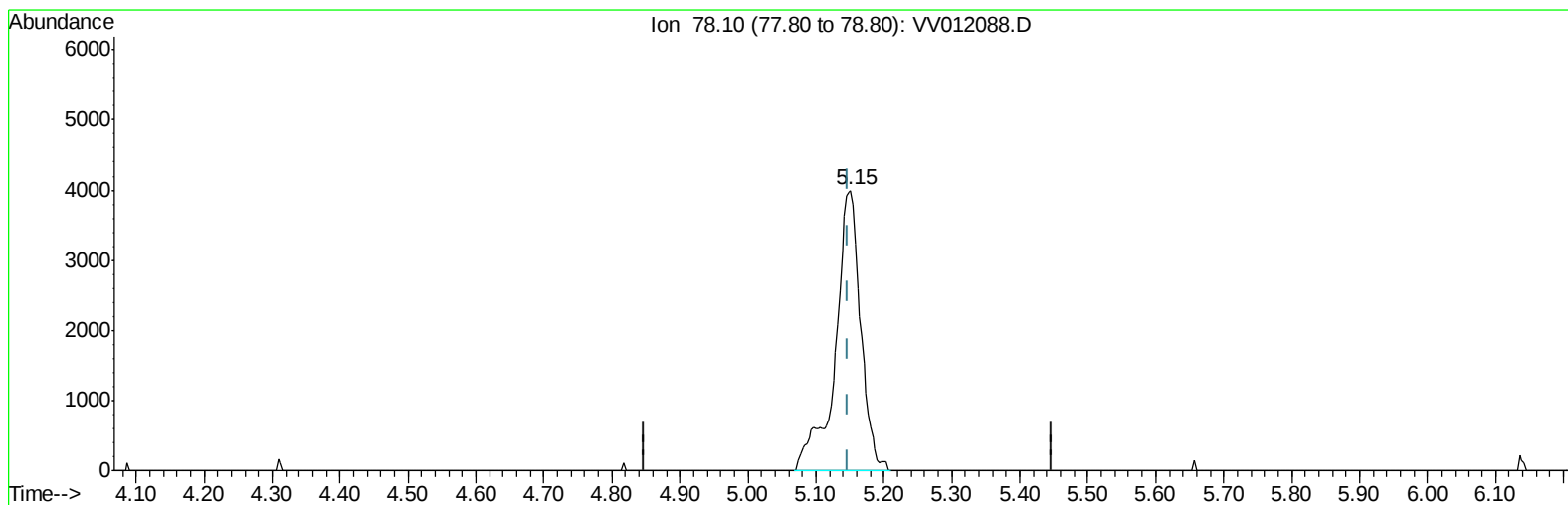
Data File : VV012088.D
Acq On : 30 Jul 2019 23:33
Operator : SY/MD
Sample : MDL05
Misc : 25ML/MSVOA_V/WATER
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Manual Integrations
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Quant Time: Jul 31 05:39:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR073119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 31 05:31:06 2019
Response via : Initial Calibration



TIC: VV012088.D

(33) Benzene (T)

5.151min (+0.003) 0.35ug/L

response 10397

Ion	Exp%	Act%
78.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

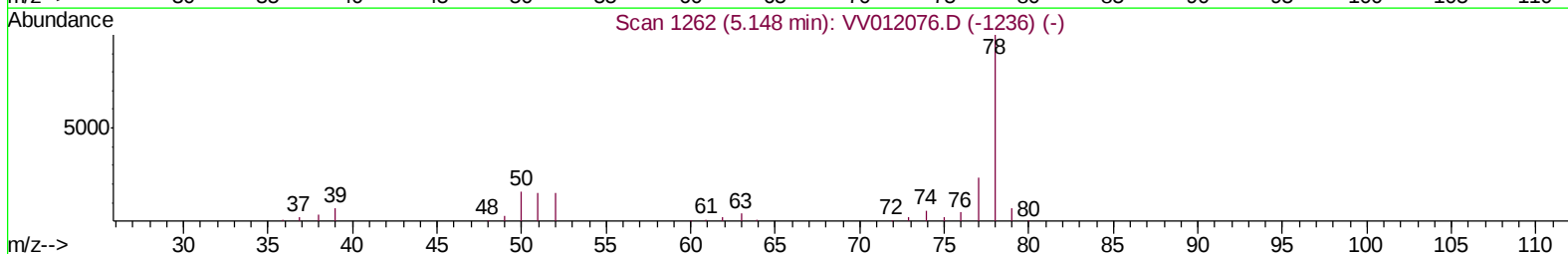
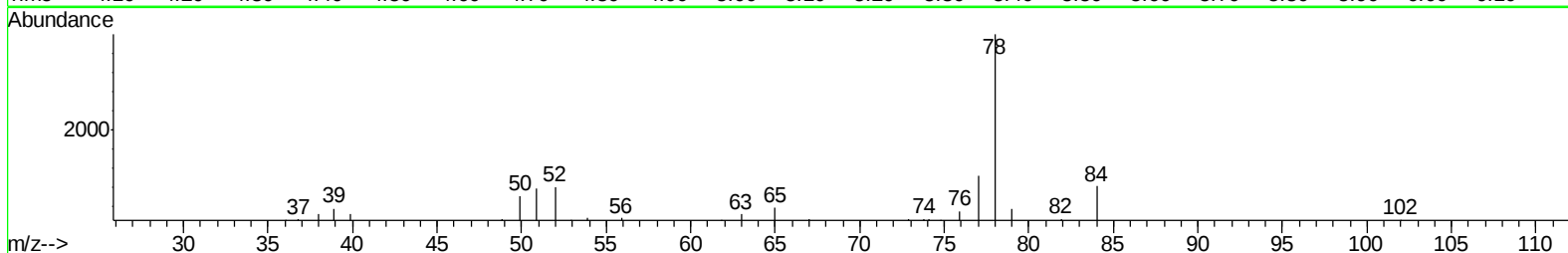
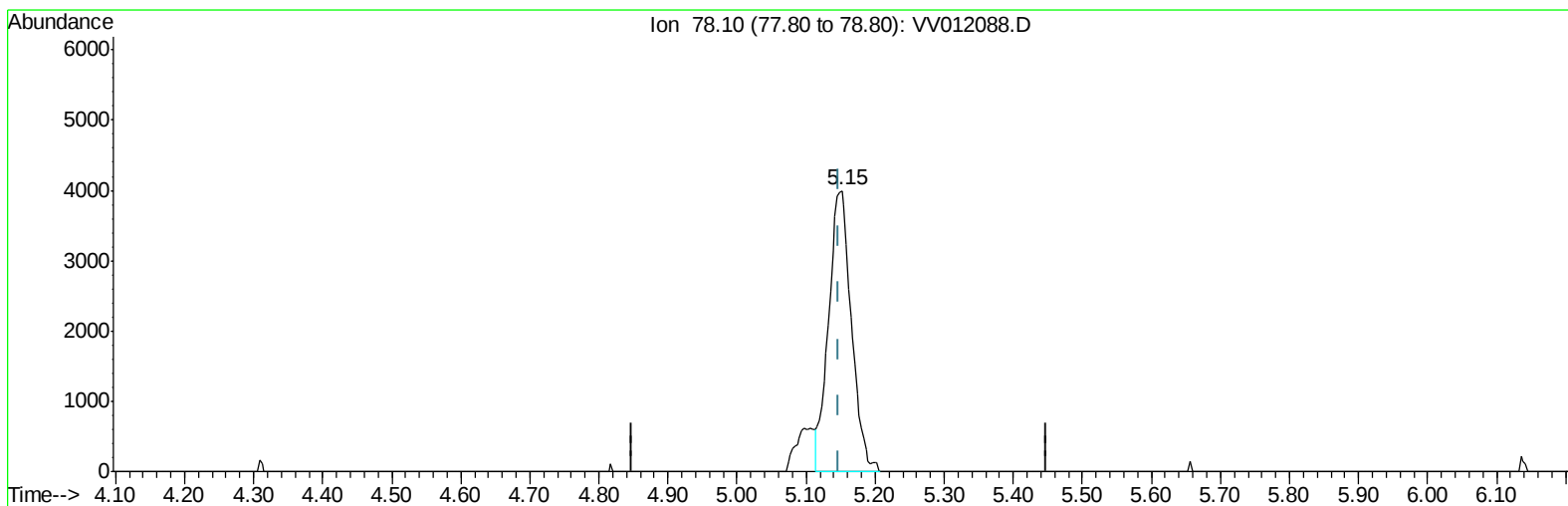
Data File : VV012088.D
Acq On : 30 Jul 2019 23:33
Operator : SY/MD
Sample : MDL05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMdadoda
8/1/2019 9:58:33 AM

Quant Time: Jul 31 05:39:51 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: VV012088.D

(33) Benzene (T)

5.151min (+0.003) 0.31ug/L m

response 9214

Ion	Exp%	Act%
78.10	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

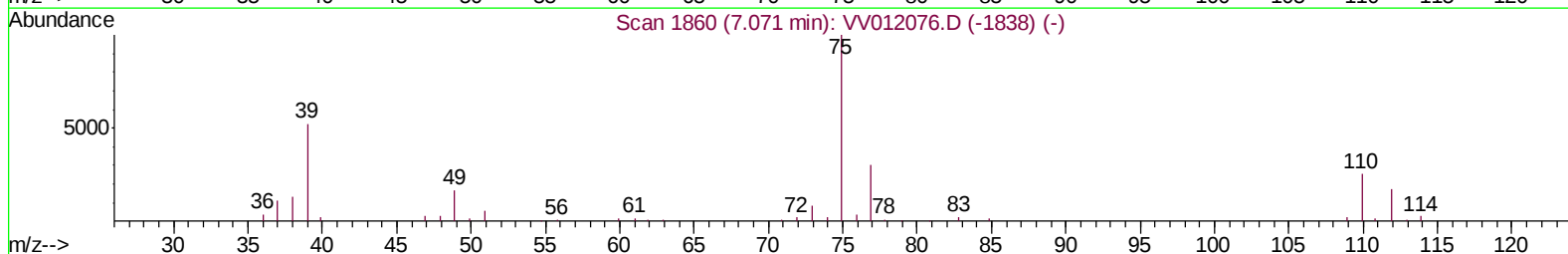
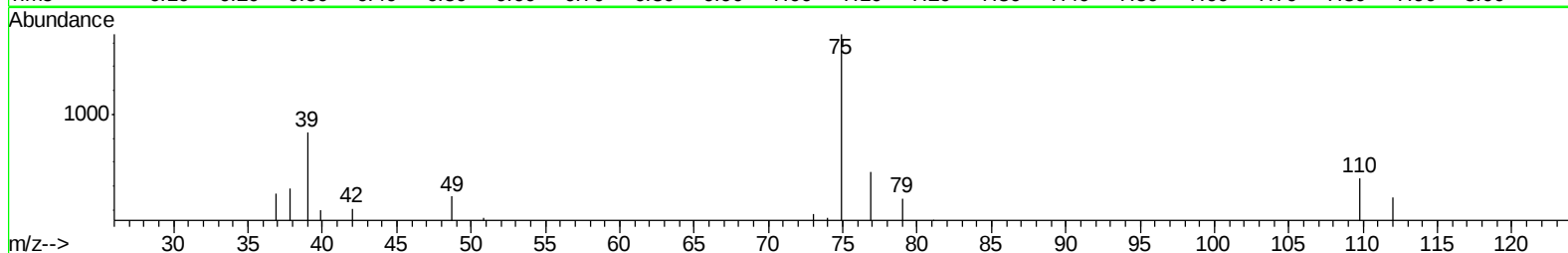
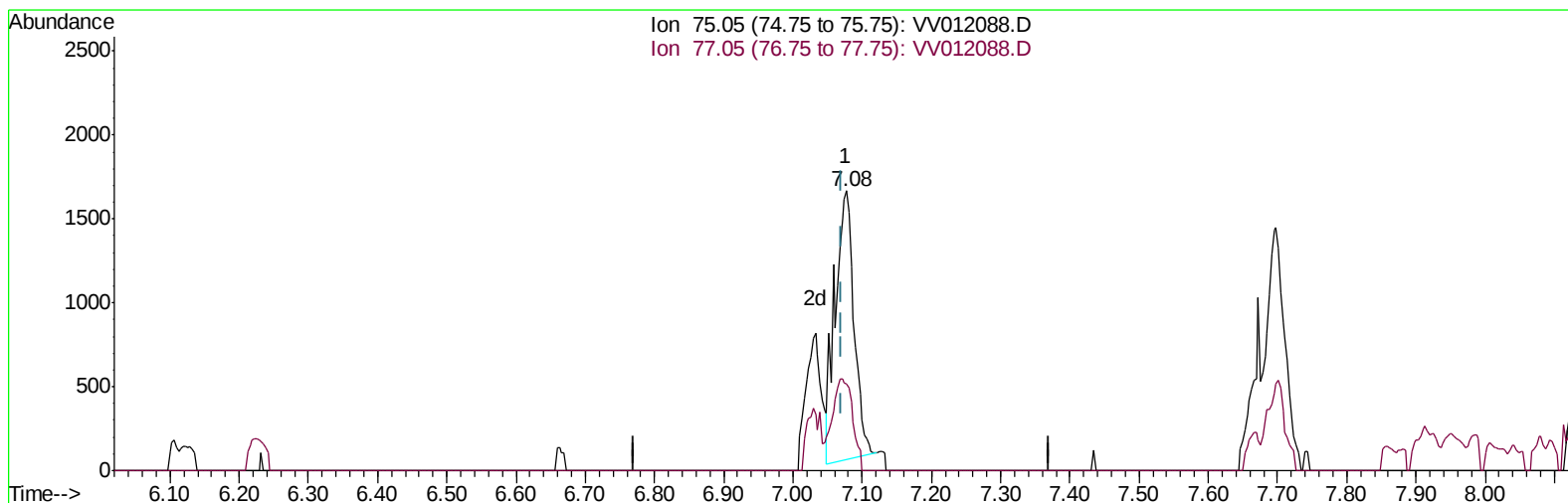
Data File : VV012088.D
Acq On : 30 Jul 2019 23:33
Operator : SY/MD
Sample : MDL05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: Jul 31 05:39:51 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
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TIC: VV012088.D

(39) cis-1,3-Dichloropropene (T)

7.077min (+0.007) 0.28ug/L

response 3033

Ion	Exp%	Act%
75.05	100	100
77.05	30.40	31.10
0.00	0.00	0.00
0.00	0.00	0.00

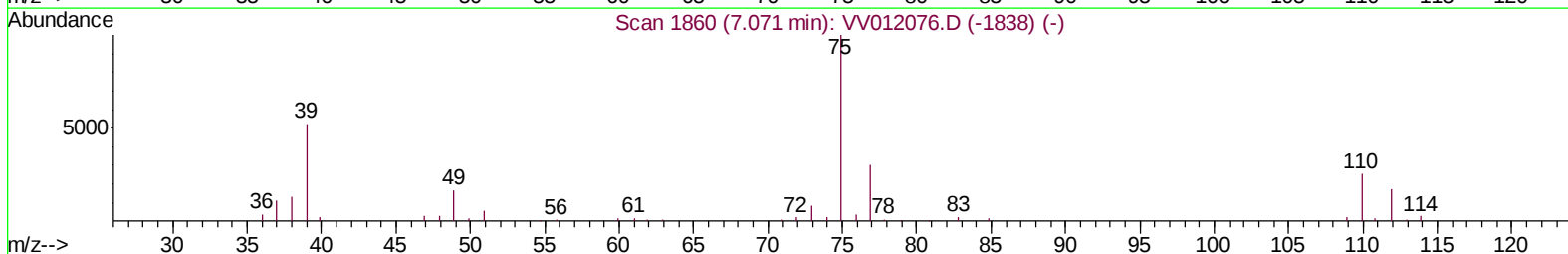
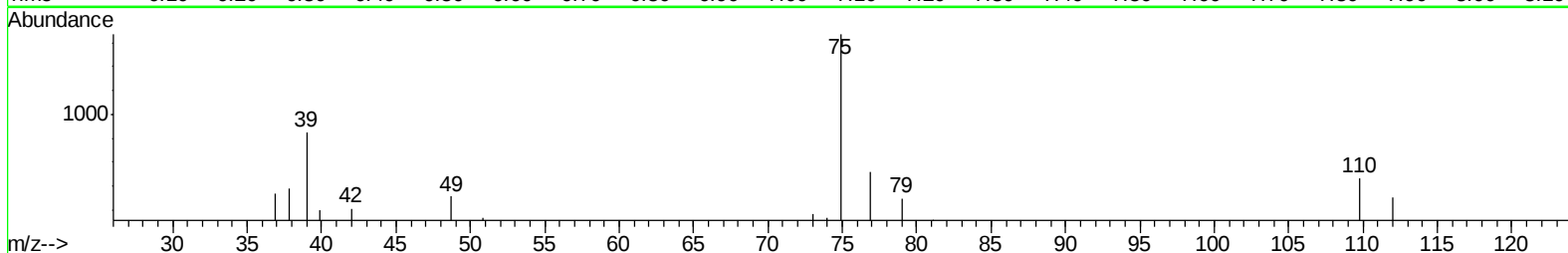
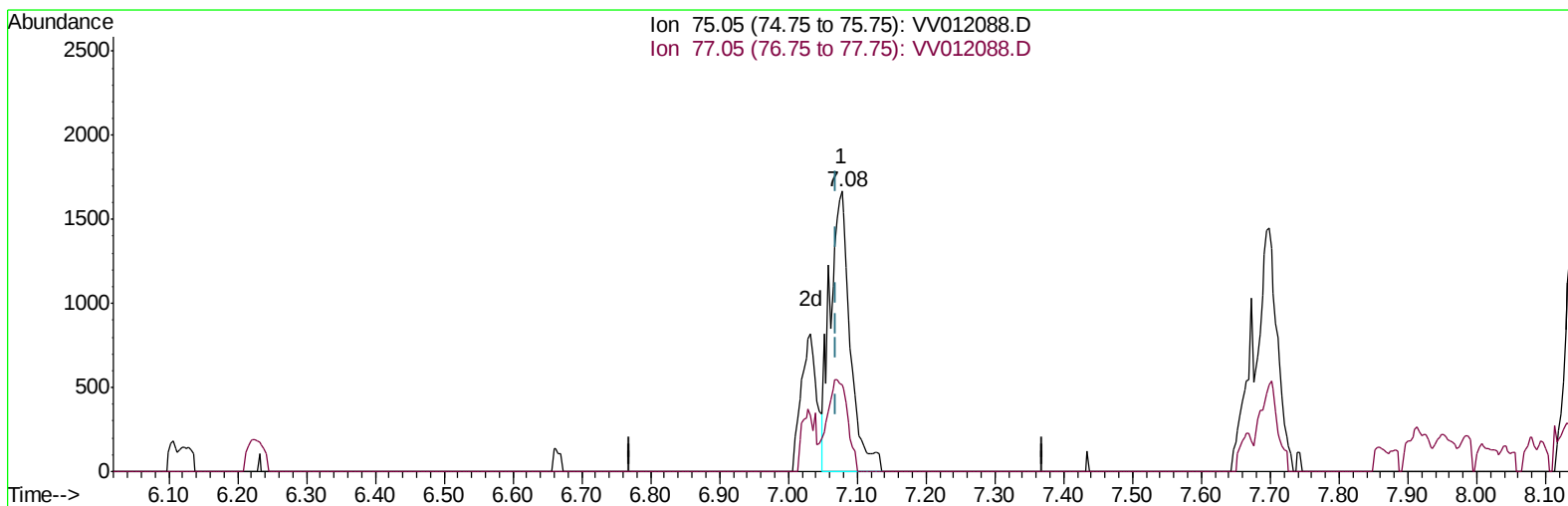
Data File : VV012088.D
Acq On : 30 Jul 2019 23:33
Operator : SY/MD
Sample : MDL05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
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Manual Integrations
APPROVED

MMdadoda
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Quant Time: Jul 31 05:39:51 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: VV012088.D

(39) cis-1,3-Dichloropropene (T)

7.077min (+0.007) 0.32ug/L m

response 3422

Ion	Exp%	Act%
75.05	100	100
77.05	30.40	31.10
0.00	0.00	0.00
0.00	0.00	0.00

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Acq On : 30 Jul 2019 23:33
Operator : SY/MD
Sample : MDL05
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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MMdadoda
8/1/2019 9:58:33 AM

Quant Time: Jul 31 06:40:45 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	5.66	114	116213	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	113420	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	59489	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24842	4.55	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.00%
7) Chloroethane-d5	1.58	69	19770	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.00%
11) 1,1-Dichloroethene-d2	2.13	63	41598	3.66	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.20%
20) 2-Butanone-d5	3.97	46	80746	53.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.62%
24) Chloroform-d	4.40	84	68619	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
26) 1,2-Dichloroethane-d4	5.09	65	41306	5.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.20%
32) Benzene-d6	5.10	84	136166	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
36) 1,2-Dichloropropane-d6	6.12	67	37577	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.36	98	127084	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	7.66	79	16140	4.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.00%
46) 2-Hexanone-d5	8.14	63	63375	52.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.80%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	28588	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	52667	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3753	0.291 ug/L	95
3) Chloromethane	1.25	50	1946	0.316 ug/L	99
5) Vinyl chloride	1.32	62	1953	0.290 ug/L #	67
6) Bromomethane	1.54	94	1310	0.314 ug/L	95
8) Chloroethane	1.60	64	1386	0.370 ug/L	90
9) Trichlorofluoromethane	1.77	101	4272	0.327 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	2285	0.411 ug/L #	85
12) 1,1-Dichloroethene	2.14	96	1925	0.377 ug/L #	1
13) Acetone	2.24	43	3054m	3.962 ug/L	
14) Carbon disulfide	2.32	76	4294	0.308 ug/L	98
15) Methyl Acetate	2.47	43	377	0.215 ug/L #	56
16) Methylene chloride	2.54	84	2374	0.448 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	5201	0.307 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	2393	0.315 ug/L	98
19) 1,1-Dichloroethane	3.23	63	4121	0.305 ug/L	91
21) 2-Butanone	4.06	43	5862m	3.835 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2431	0.298 ug/L	83

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Manual Integrations
APPROVED

MMdadoda
8/1/2019 9:58:33 AM

Quant Time: Jul 31 06:40:45 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)
23) Bromochloromethane	4.31	128	1058	0.289	ug/L #	78
25) Chloroform	4.43	83	11477	0.654	ug/L	96
27) 1,2-Dichloroethane	5.19	62	3230	0.334	ug/L #	75
29) 1,1,1-Trichloroethane	4.66	97	4442	0.301	ug/L	95
30) Cyclohexane	4.72	56	3158	0.281	ug/L #	89
31) Carbon tetrachloride	4.88	117	3836	0.290	ug/L	97
33) Benzene	5.15	78	9214m	0.306	ug/L	
34) Trichloroethene	5.96	95	2555	0.295	ug/L	84
35) Methylcyclohexane	6.17	83	3784	0.288	ug/L	98
37) 1,2-Dichloropropane	6.22	63	2158	0.310	ug/L #	82
38) Bromodichloromethane	6.56	83	3179	0.311	ug/L #	88
39) cis-1,3-Dichloropropene	7.08	75	3422m	0.316	ug/L	
40) 4-Methyl-2-pentanone	7.28	43	11925	3.151	ug/L #	84
42) Toluene	7.43	91	10200	0.310	ug/L	90
44) trans-1,3-Dichloropropene	7.70	75	2437	0.279	ug/L	94
45) 1,1,2-Trichloroethane	7.88	97	1574	0.304	ug/L	91
47) Tetrachloroethene	8.02	164	2443	0.310	ug/L	83
48) 2-Hexanone	8.19	43	8653	3.287	ug/L	91
49) Dibromochloromethane	8.29	129	2021	0.300	ug/L	95
50) 1,2-Dibromoethane	8.40	107	1523	0.307	ug/L #	82
51) Chlorobenzene	8.93	112	6938	0.311	ug/L	96
52) Ethylbenzene	9.05	91	10934	0.289	ug/L	99
53) m,p-xylene	9.19	106	3752	0.258	ug/L	92
54) o-xylene	9.59	106	4255	0.306	ug/L	82
55) Styrene	9.60	104	6093	0.258	ug/L	80
56) Isopropylbenzene	9.97	105	10786	0.280	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	2053	0.359	ug/L #	85
59) 1,2,3-Trichloropropane	10.32	75	1459	0.337	ug/L #	85
61) Bromoform	9.77	173	1142	0.323	ug/L #	92
62) 1,3-Dichlorobenzene	11.23	146	5855	0.319	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	6110	0.326	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	5609	0.338	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	370	0.416	ug/L #	68
67) 1,3,5-Trichlorobenzene	12.69	180	4834	0.322	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	3730	0.308	ug/L	97
69) Naphthalene	13.55	128	4532	0.278	ug/L #	96
70) 1,2,3-Trichlorobenzene	13.79	180	3519	0.326	ug/L	96

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

MMdadoda
8/1/2019 9:58:33 AM

[illegible]