

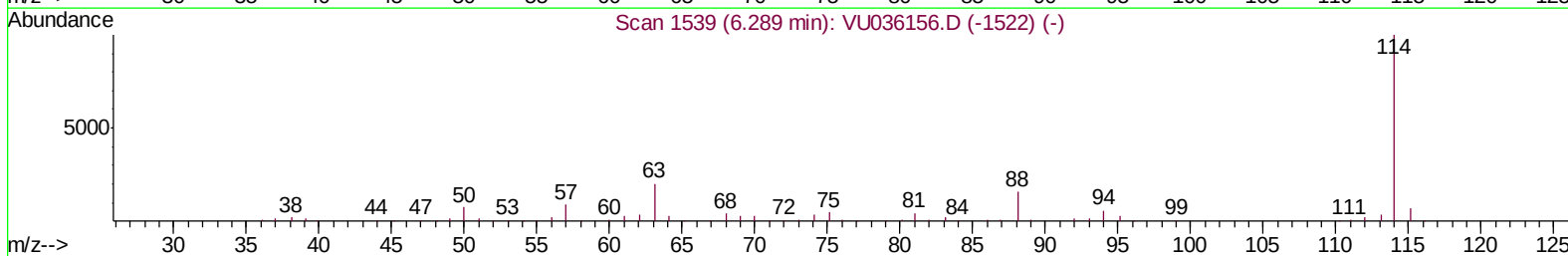
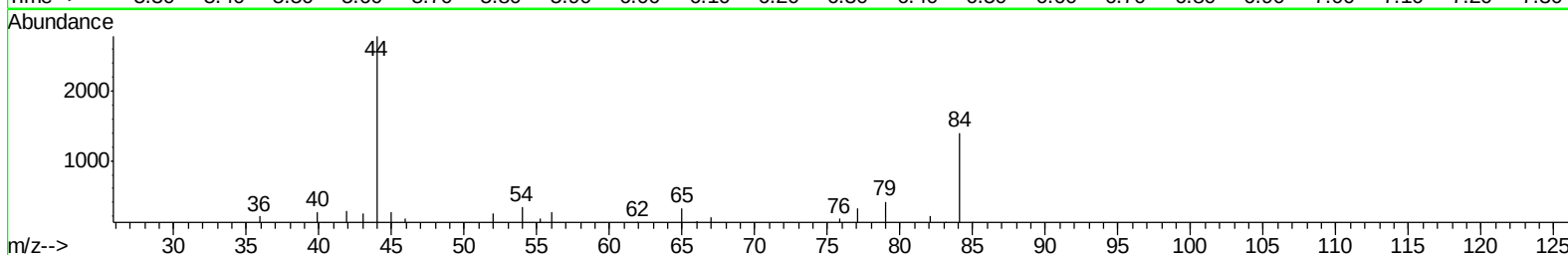
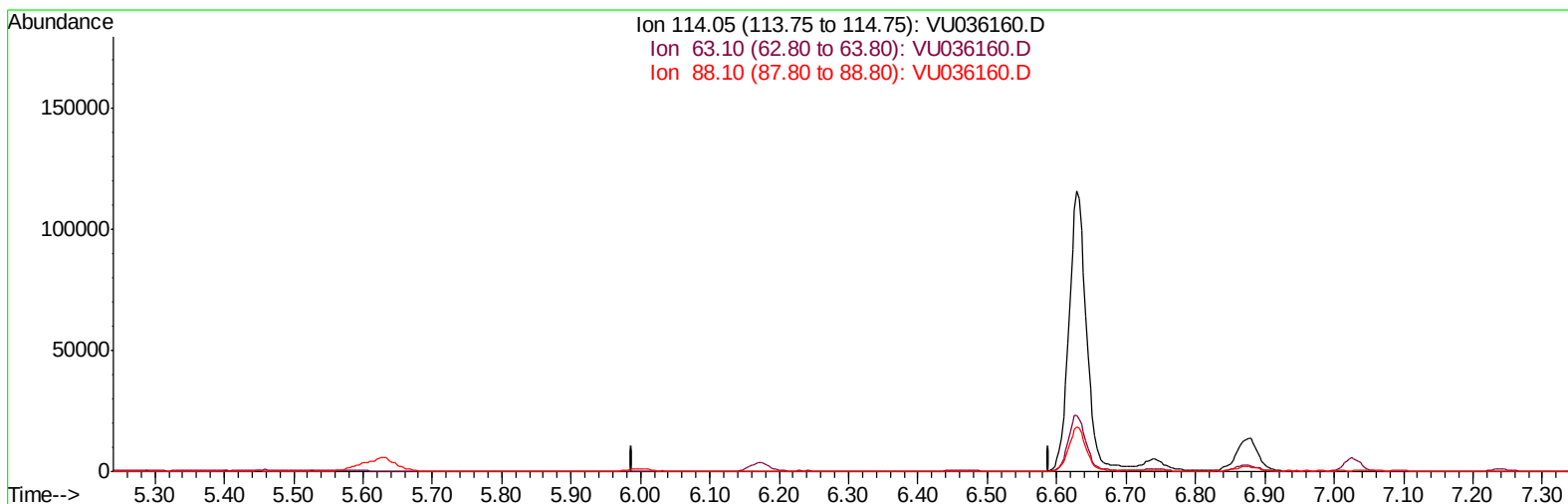
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

Manual Integrations
APPROVED

apatel
12/13/2019 3:58:37 PM

Quant Time: Dec 13 03:20:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration



TIC: VU036160.D

(1) 1,4-Difluorobenzene (I)

6.289min (-6.289) 0.00ug/L

response 0

Ion	Exp%	Act%
114.05	100	0.00
63.10	19.60	0.00#
88.10	15.20	0.00#
0.00	0.00	0.00

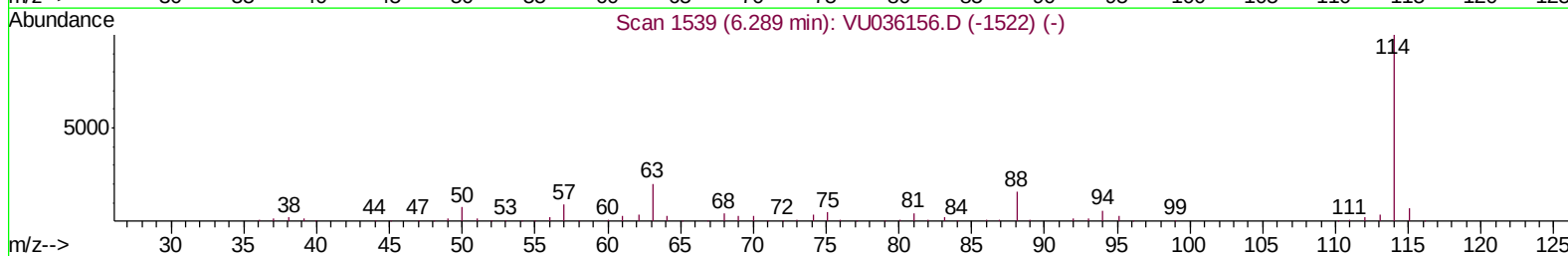
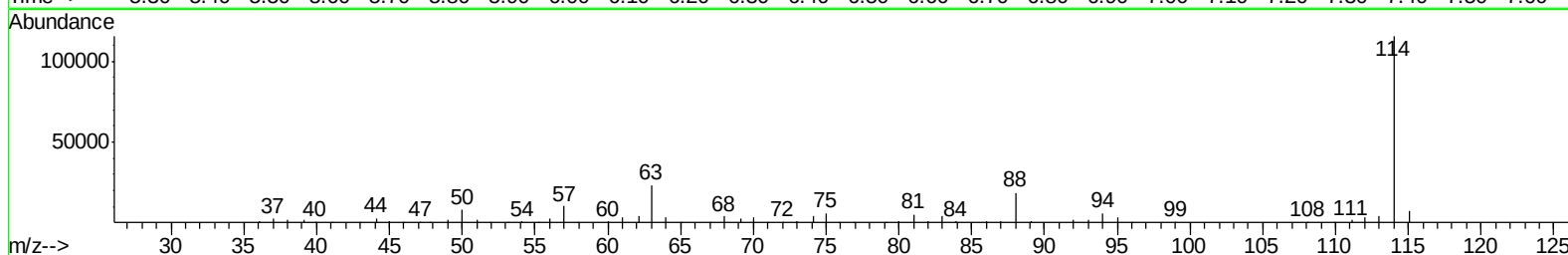
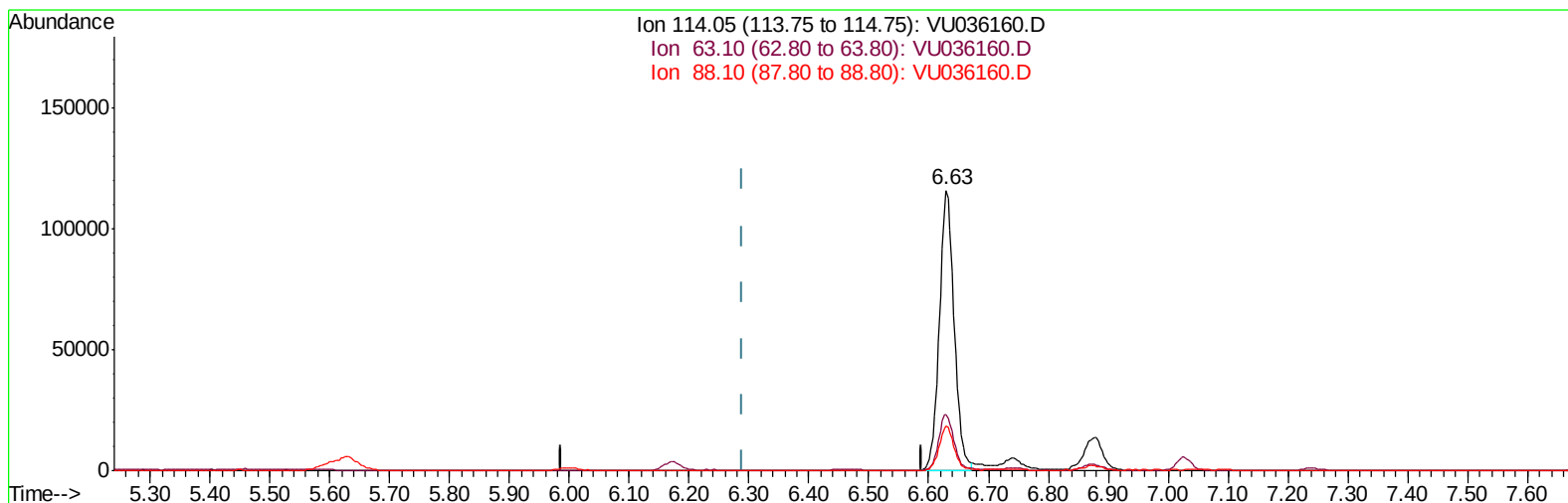
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

Manual Integrations
APPROVED

apatel
12/13/2019 3:58:37 PM

Quant Time: Dec 13 03:20:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration



TIC: VU036160.D

(1) 1,4-Difluorobenzene (I)

6.629min (+0.341) 5.00ug/L m

response 199881

Ion	Exp%	Act%
114.05	100	100
63.10	19.60	0.00#
88.10	15.20	0.00#
0.00	0.00	0.00

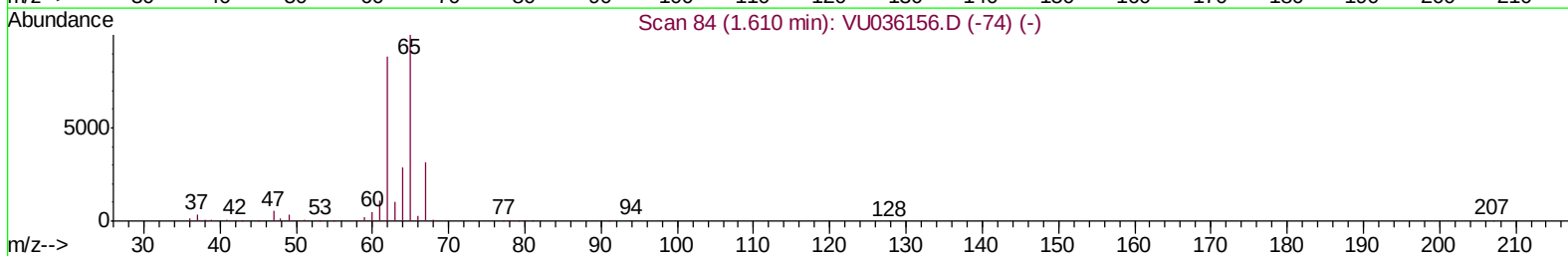
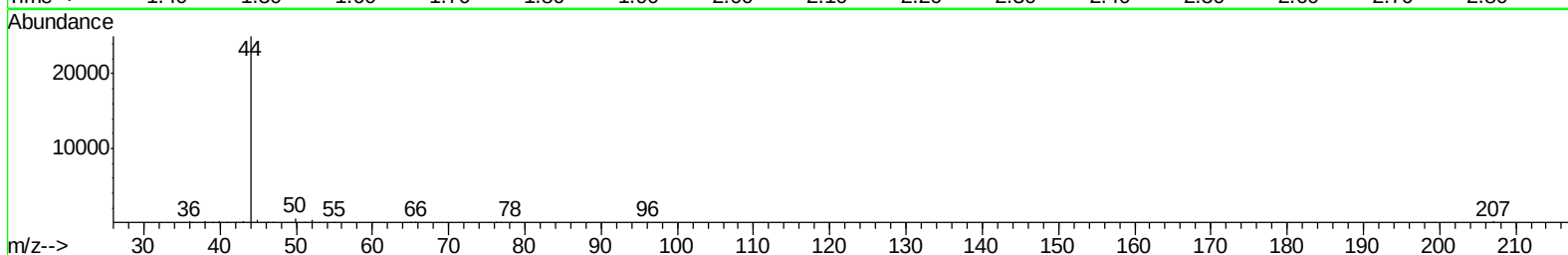
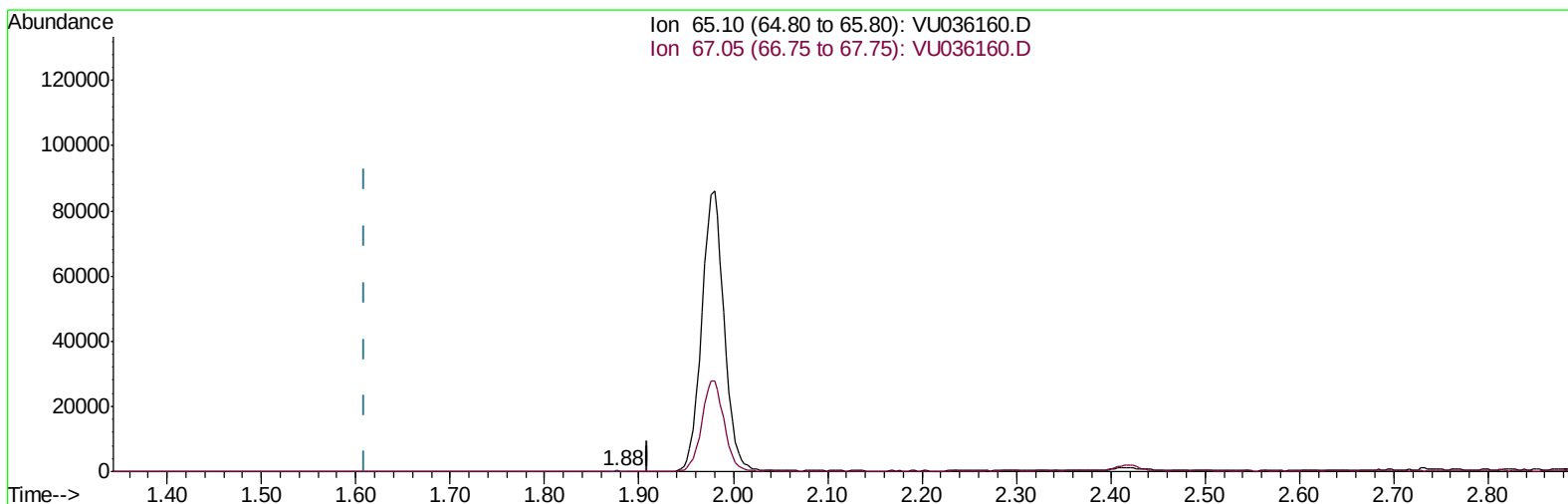
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

Manual Integrations
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apatel
12/13/2019 3:58:37 PM

Quant Time: Dec 13 03:23:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration



TIC: VU036160.D

(4) Vinyl Chloride-d3 (S)

1.877min (+0.267) 0.00ug/L

response 63

Ion	Exp%	Act%
65.10	100	100
67.05	31.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

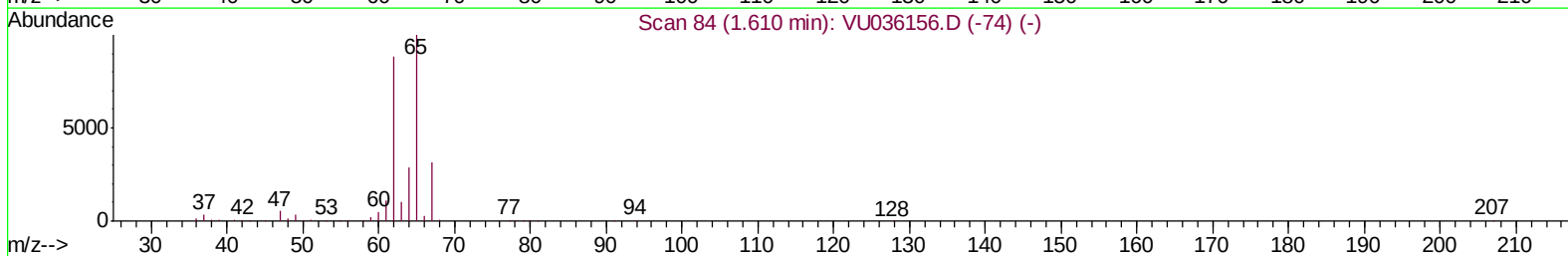
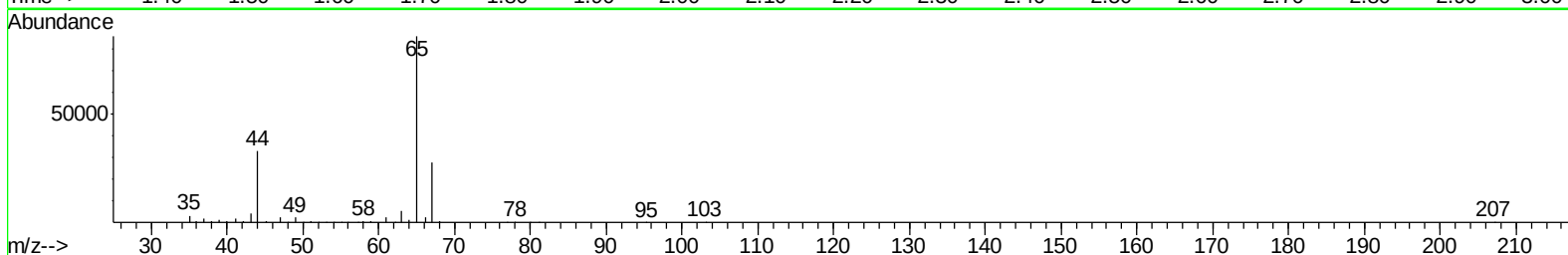
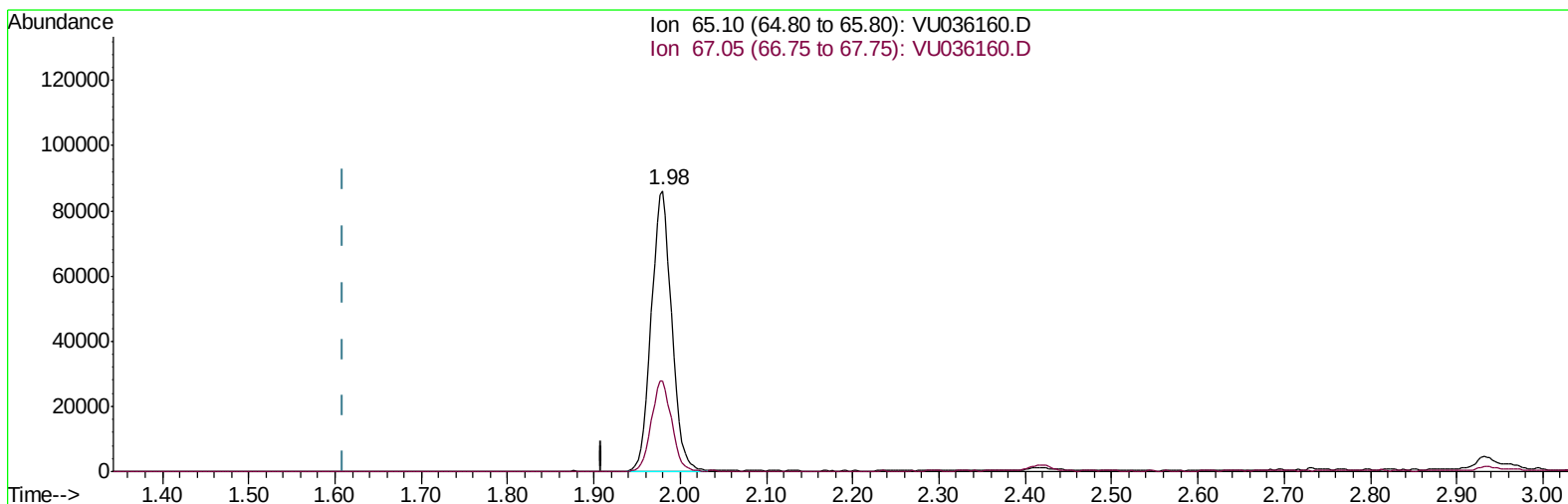
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

Manual Integrations
APPROVED

apatel
12/13/2019 3:58:37 PM

Quant Time: Dec 13 03:23:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration



TIC: VU036160.D

(4) Vinyl Chloride-d3 (S)

1.980min (+0.369) 6.99ug/L m

response 141703

Ion	Exp%	Act%
65.10	100	100
67.05	31.70	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

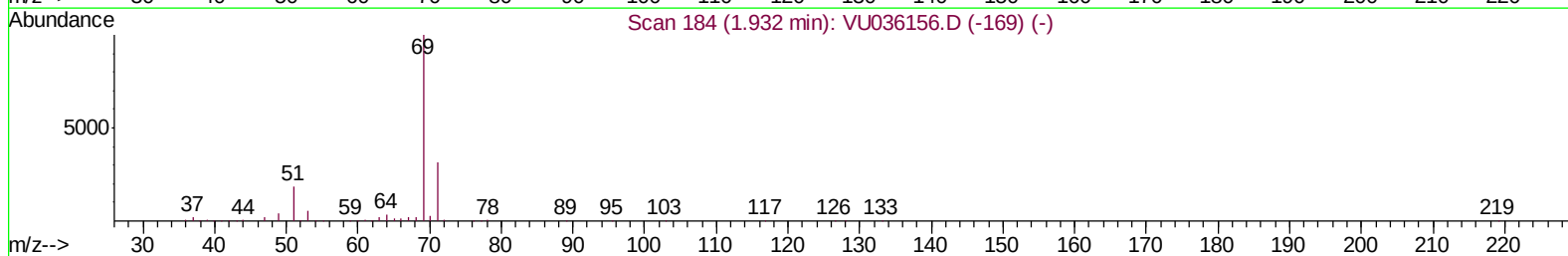
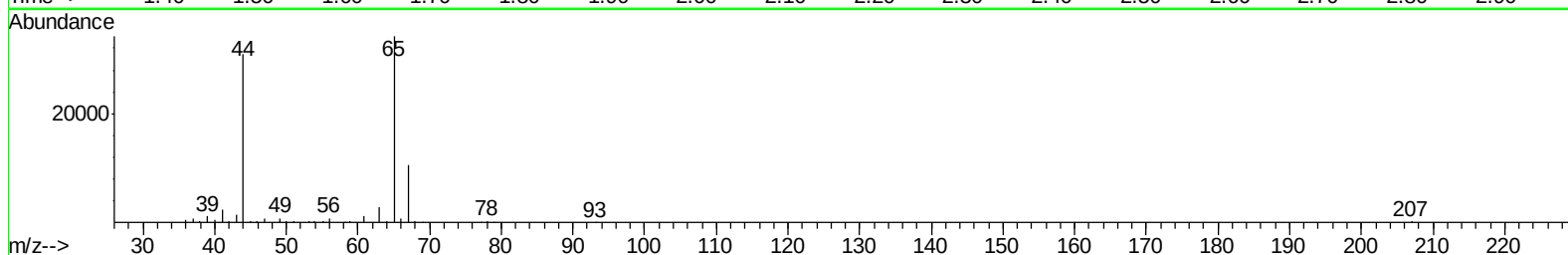
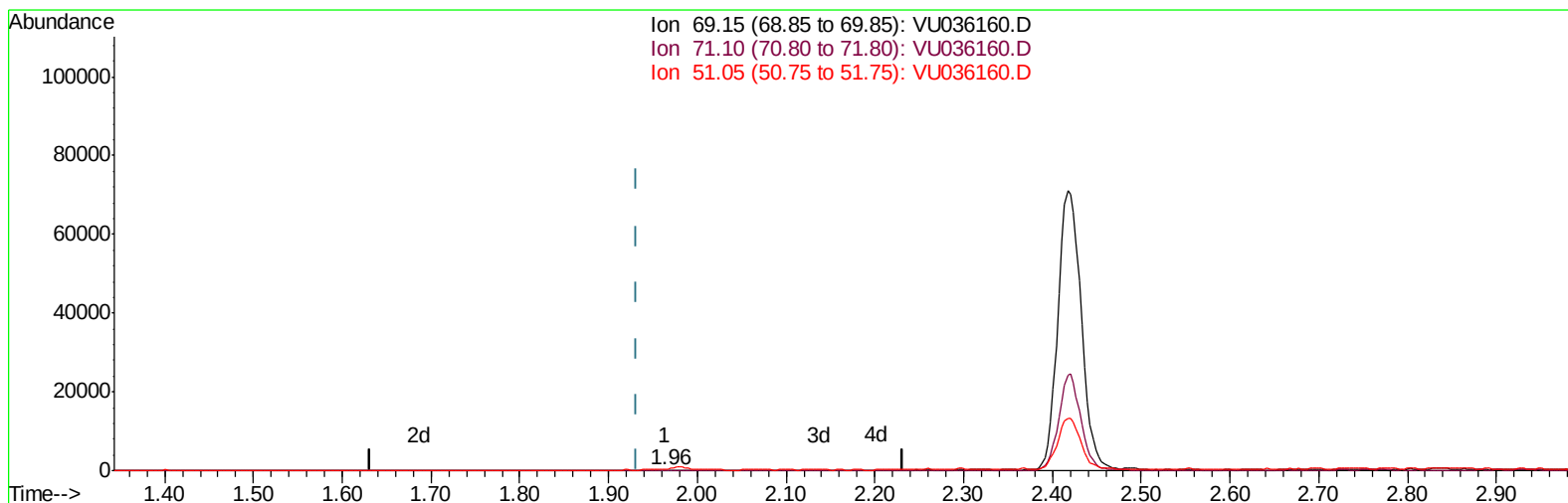
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

Manual Integrations
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apatel
12/13/2019 3:58:37 PM

Quant Time: Dec 13 03:23:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration



TIC: VU036160.D

(7) Chloroethane-d5 (S)

1.964min (+0.032) 0.00ug/L

response 20

Ion	Exp%	Act%
69.15	100	100
71.10	31.40	0.00#
51.05	25.20	8310.00#
0.00	0.00	0.00

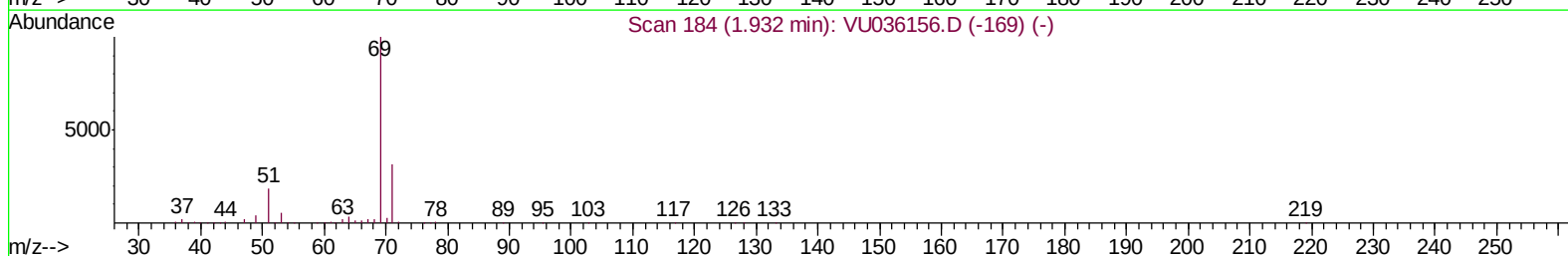
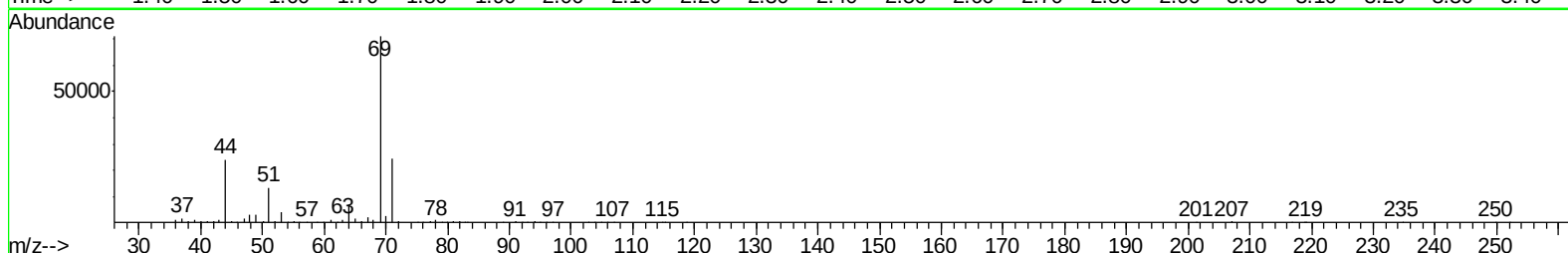
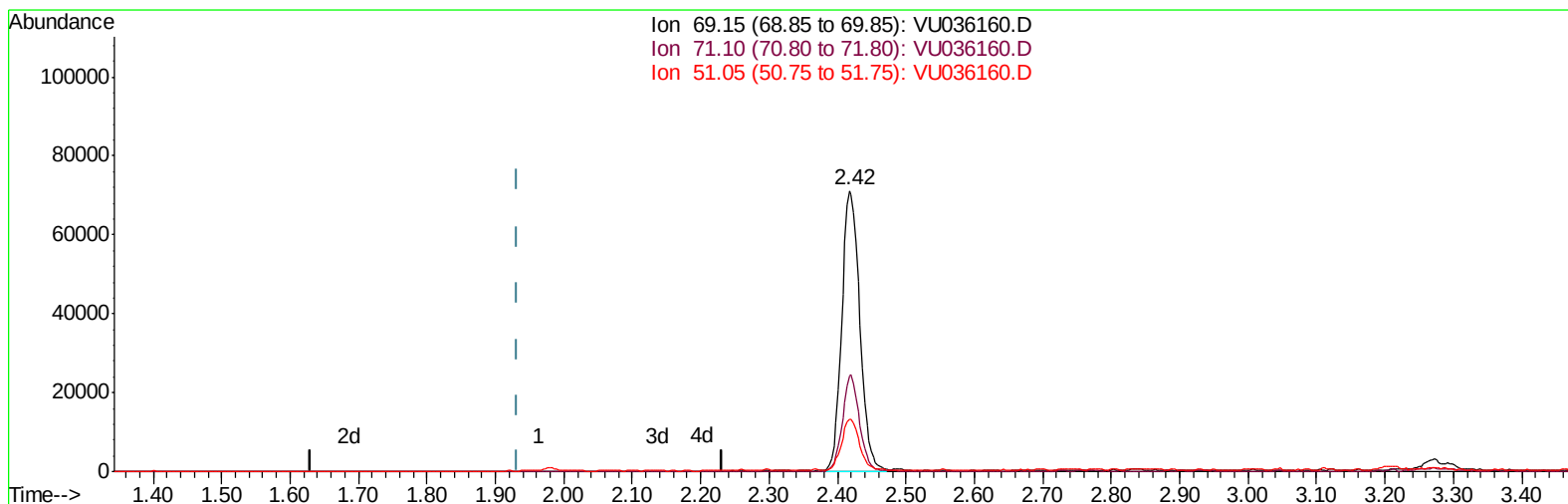
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

Manual Integrations
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apatel
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Quant Time: Dec 13 03:23:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration



TIC: VU036160.D

(7) Chloroethane-d5 (S)

2.417min (+0.485) 7.34ug/L m

response 130649

Ion	Exp%	Act%
69.15	100	100
71.10	31.40	0.00#
51.05	25.20	1.27#
0.00	0.00	0.00

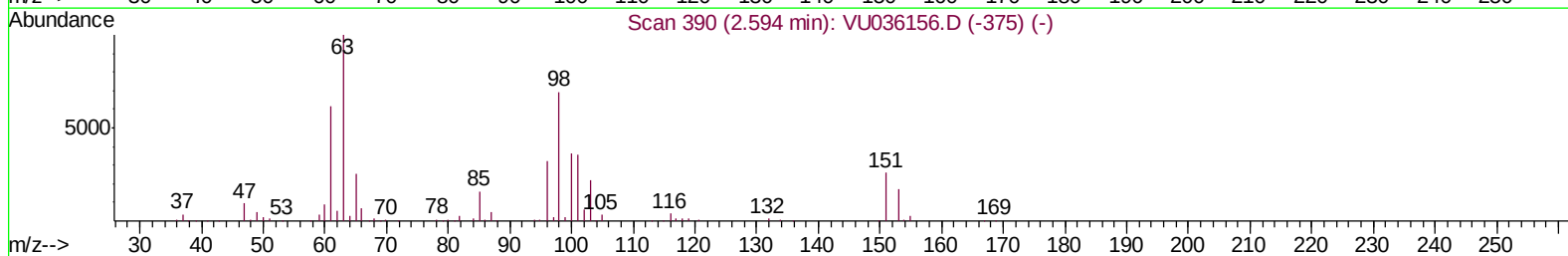
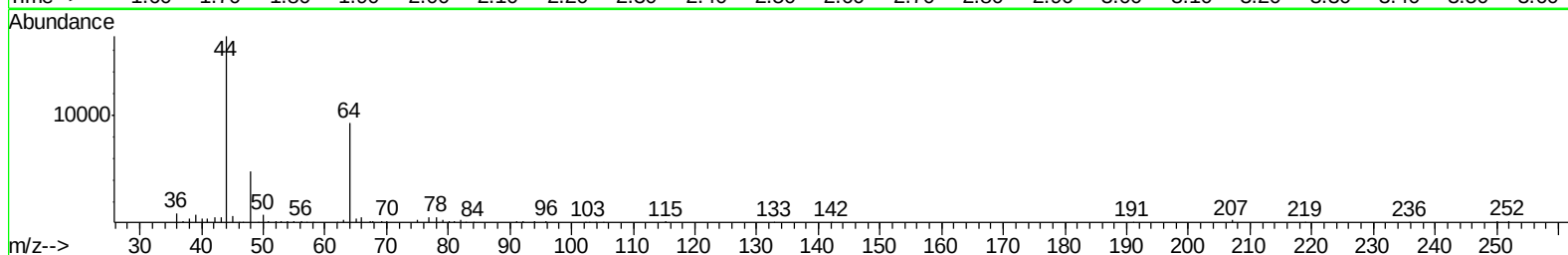
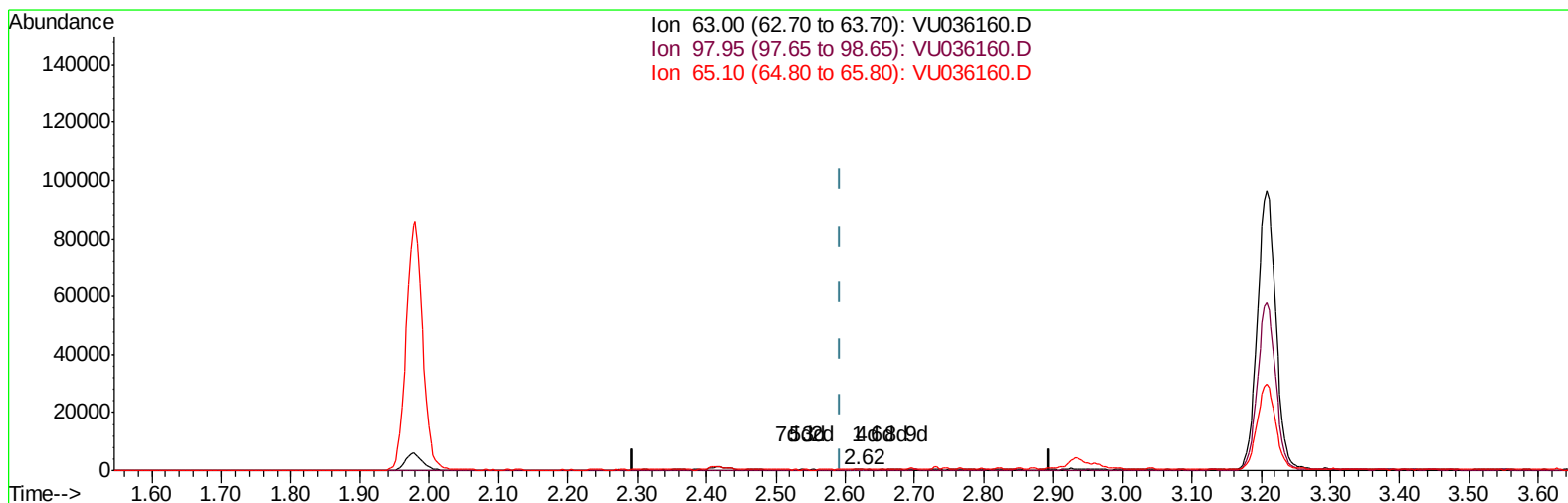
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

Manual Integrations
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apatel
12/13/2019 3:58:37 PM

Quant Time: Dec 13 03:23:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration



TIC: VU036160.D

(11) 1,1-Dichloroethene-d2 (S)

2.620min (+0.025) 0.01ug/L

response 323

Ion	Exp%	Act%
63.00	100	100
97.95	78.70	0.00#
65.10	23.30	28.17
0.00	0.00	0.00

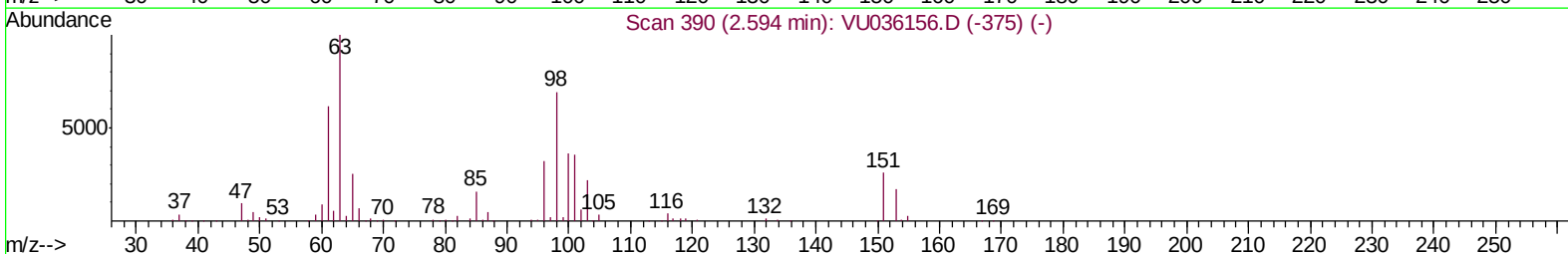
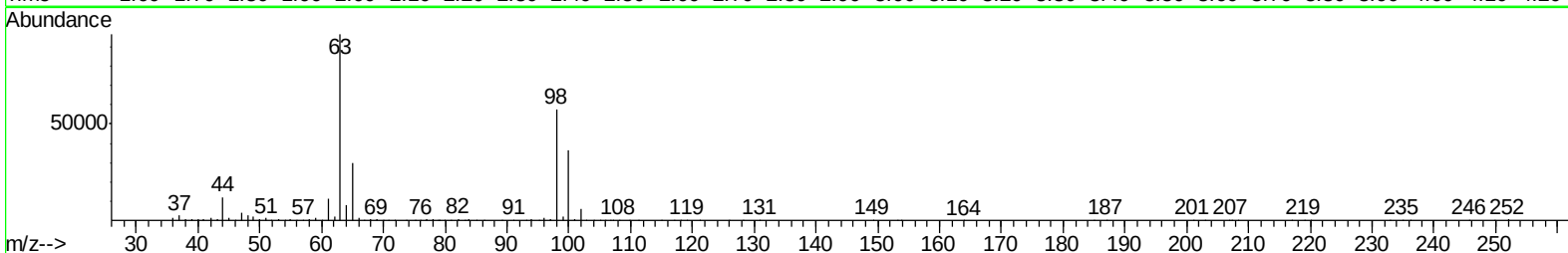
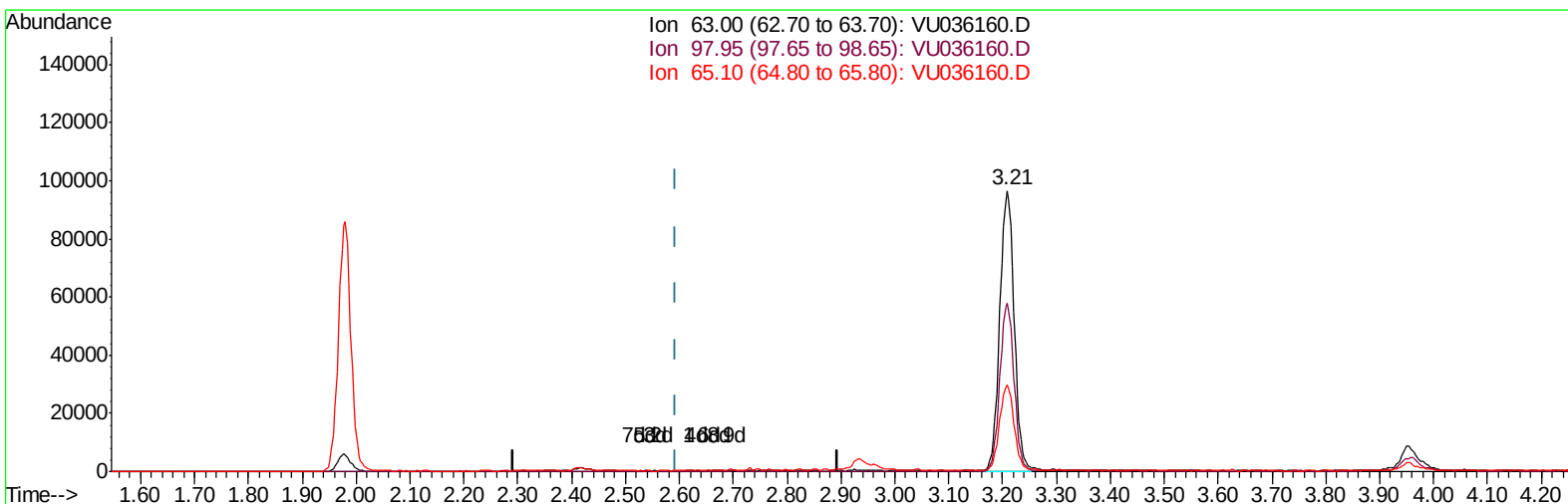
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

Manual Integrations
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apatel
12/13/2019 3:58:37 PM

Quant Time: Dec 13 03:23:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration



TIC: VU036160.D

(11) 1,1-Dichloroethene-d2 (S)

3.208min (+0.614) 6.69ug/L m

response 178815

Ion	Exp%	Act%
63.00	100	100
97.95	78.70	0.00#
65.10	23.30	0.05#
0.00	0.00	0.00

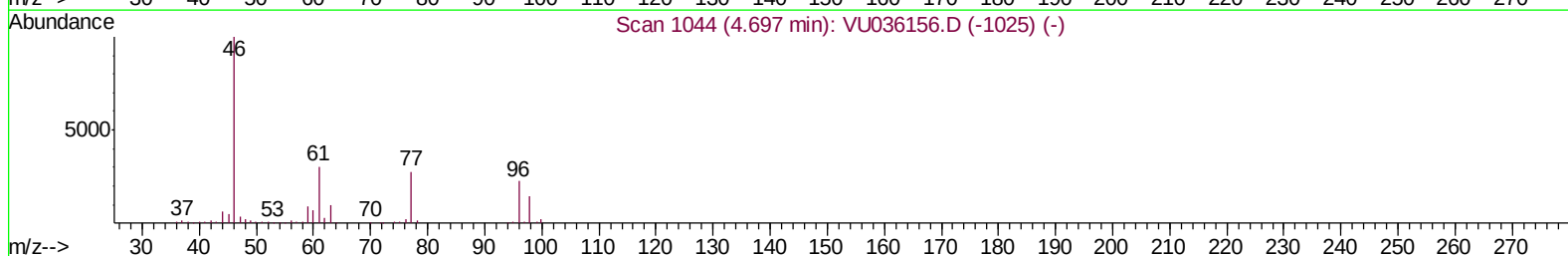
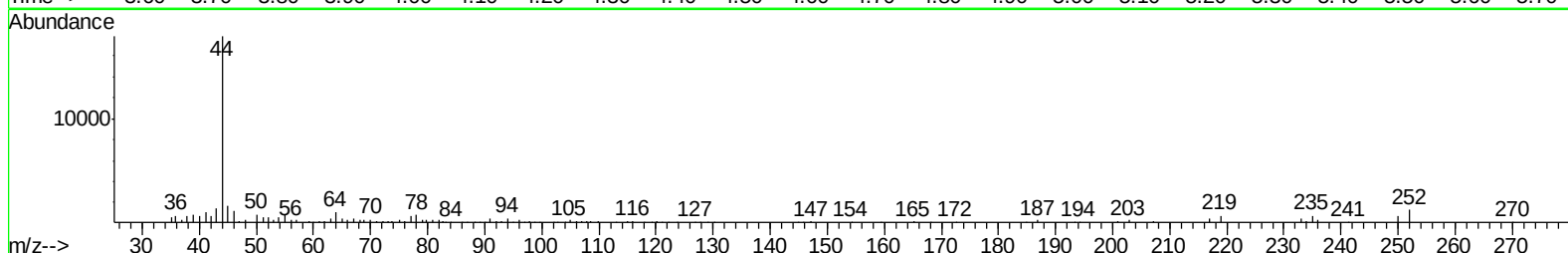
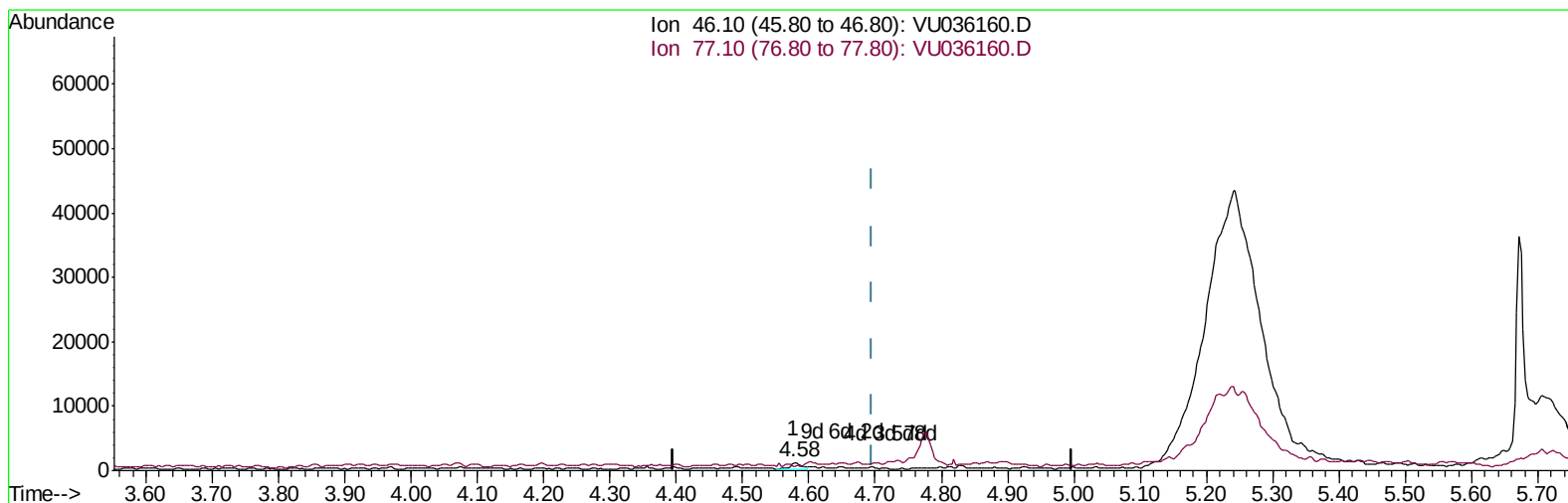
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

Manual Integrations
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apatel
12/13/2019 3:58:37 PM

Quant Time: Dec 13 03:23:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration



TIC: VU036160.D

(20) 2-Butanone-d5 (S)
4.578min (-0.119) 0.33ug/L

response 1088

Ion	Exp%	Act%
46.10	100	100
77.10	26.70	24.26
0.00	0.00	0.00
0.00	0.00	0.00

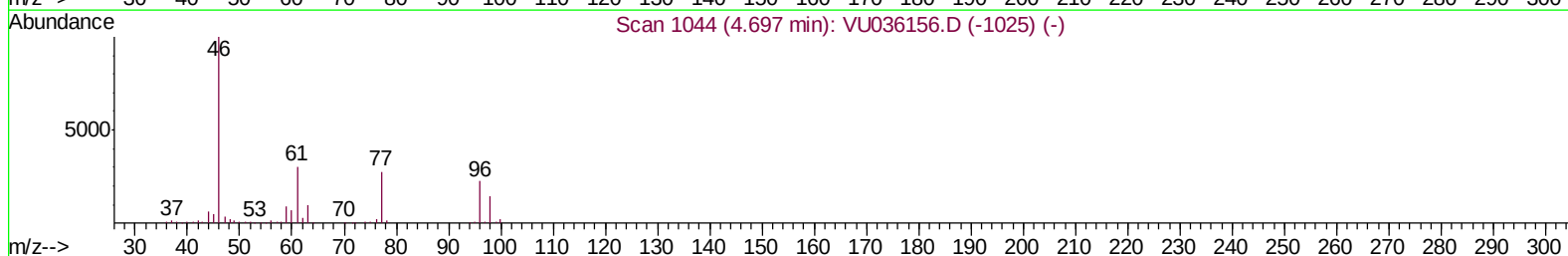
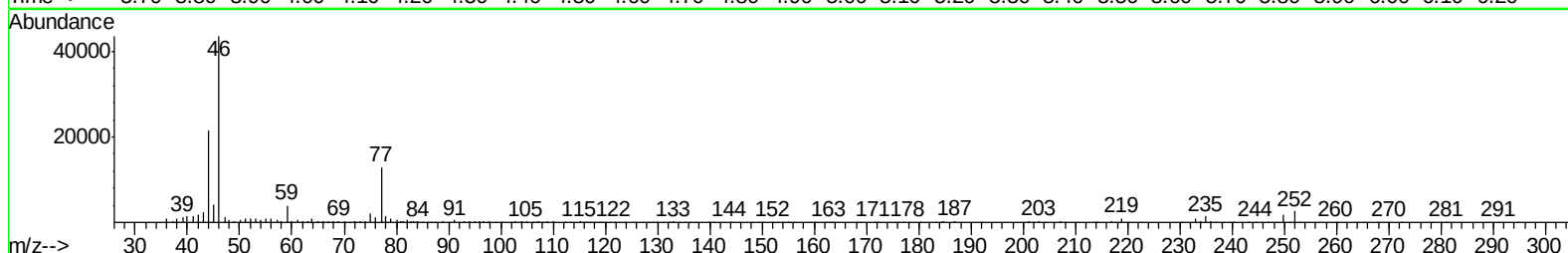
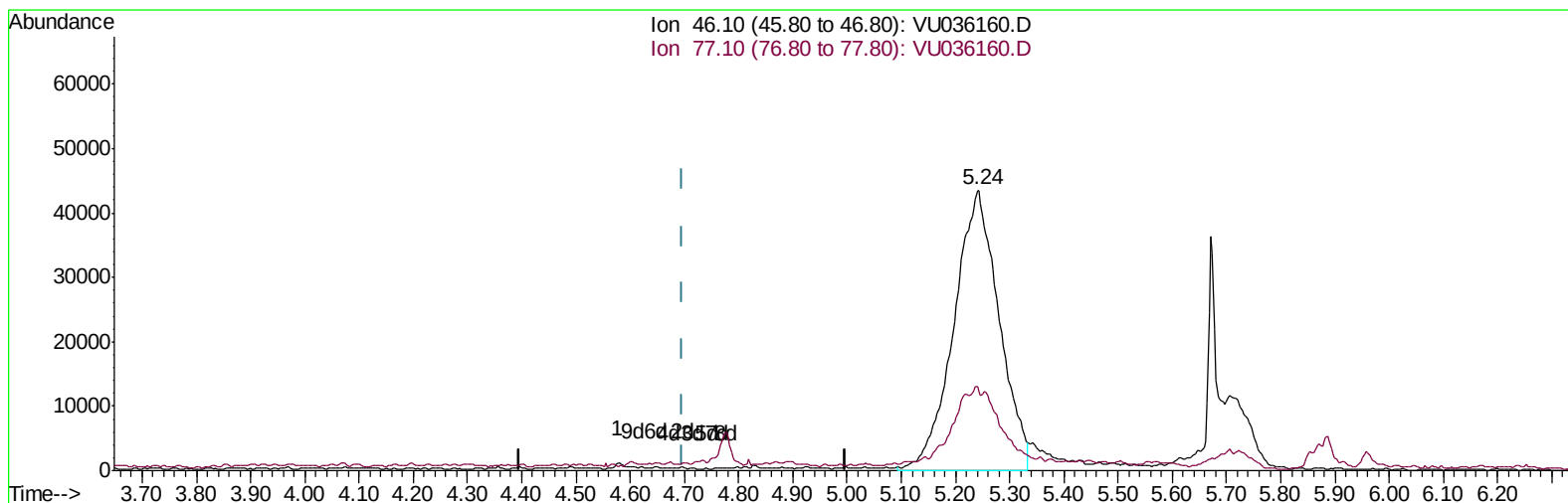
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

Manual Integrations
APPROVED

apatel
12/13/2019 3:58:37 PM

Quant Time: Dec 13 03:23:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration



TIC: VU036160.D

(20) 2-Butanone-d5 (S)

5.240min (+0.543) 77.60ug/L m

response 252534

Ion	Exp%	Act%
46.10	100	100
77.10	26.70	0.10#
0.00	0.00	0.00
0.00	0.00	0.00

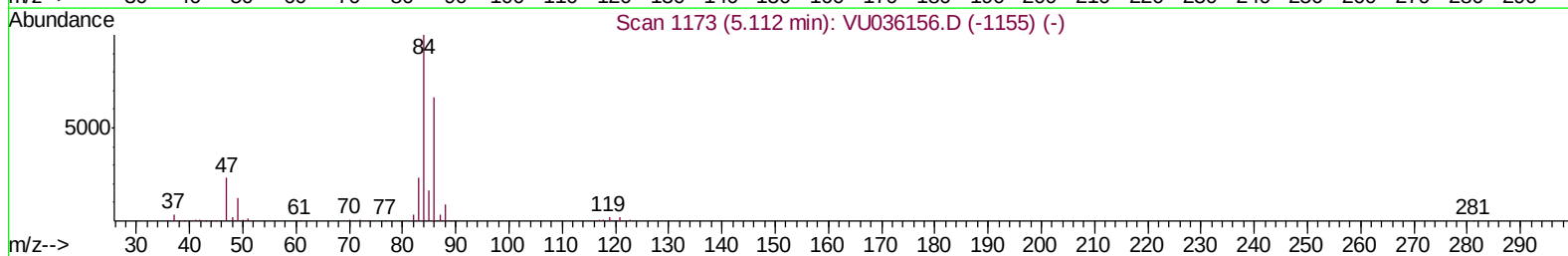
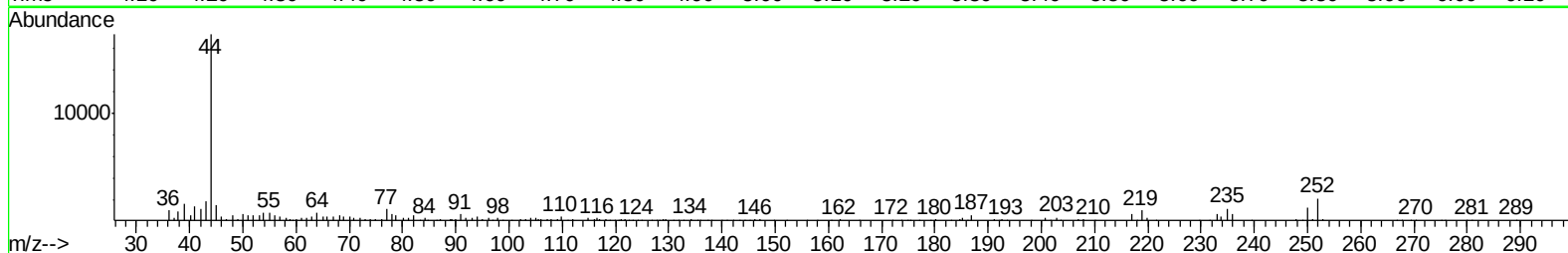
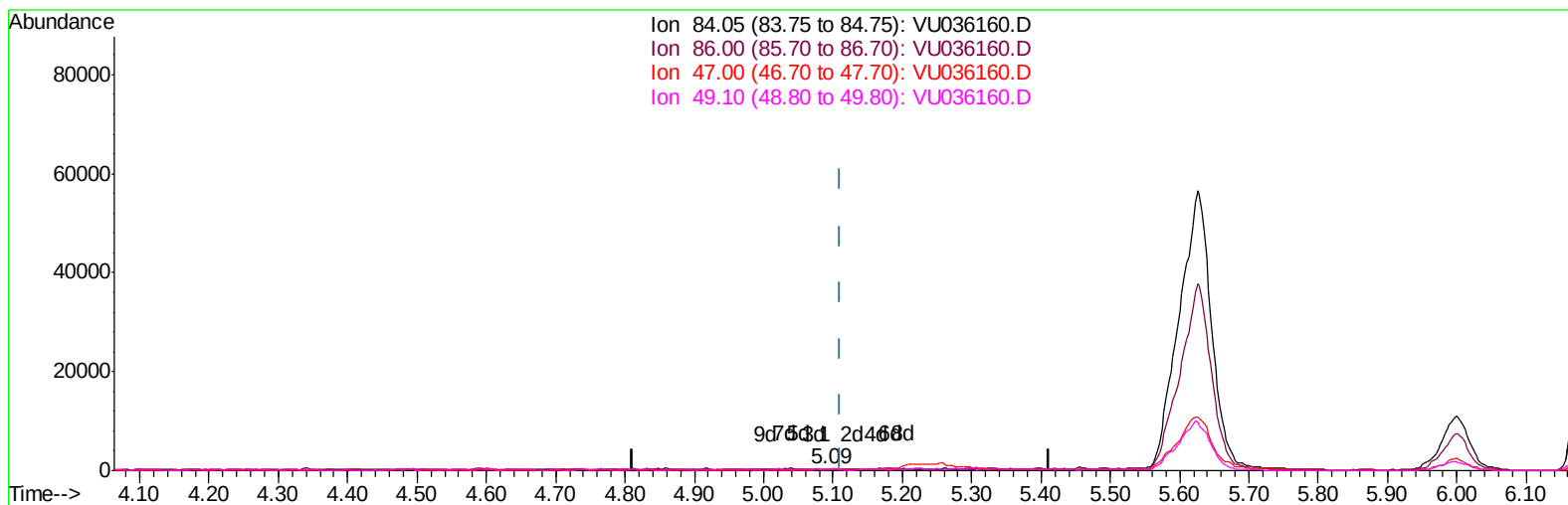
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

Manual Integrations
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Quant Time: Dec 13 03:23:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration



TIC: VU036160.D

(24) Chloroform-d (S)

5.089min (-0.023) 0.00ug/L

response 82

Ion	Exp%	Act%
84.05	100	100
86.00	61.80	303.66#
47.00	39.80	257.32#
49.10	23.60	718.29#

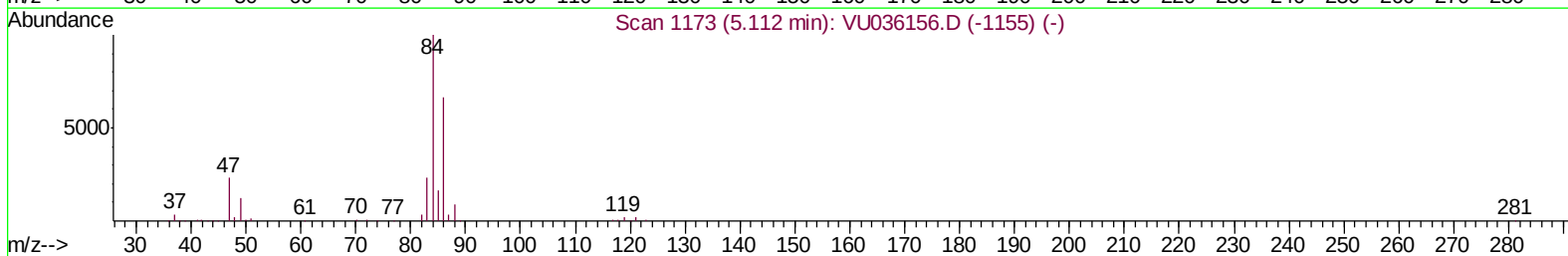
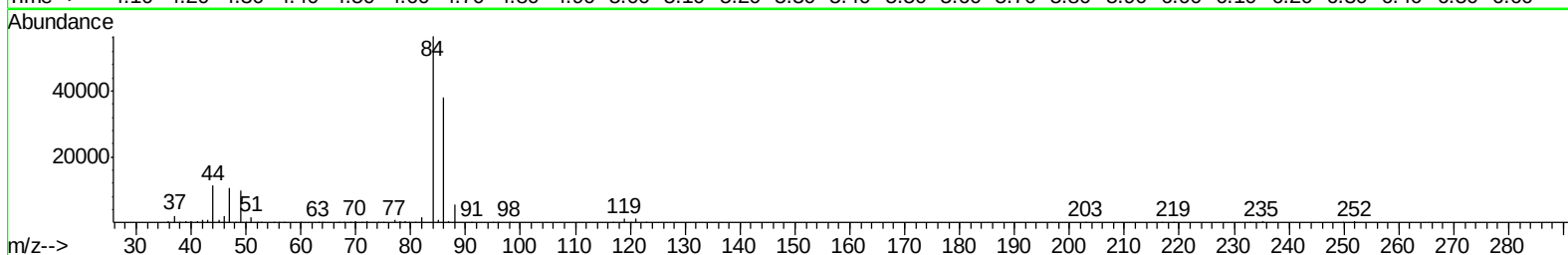
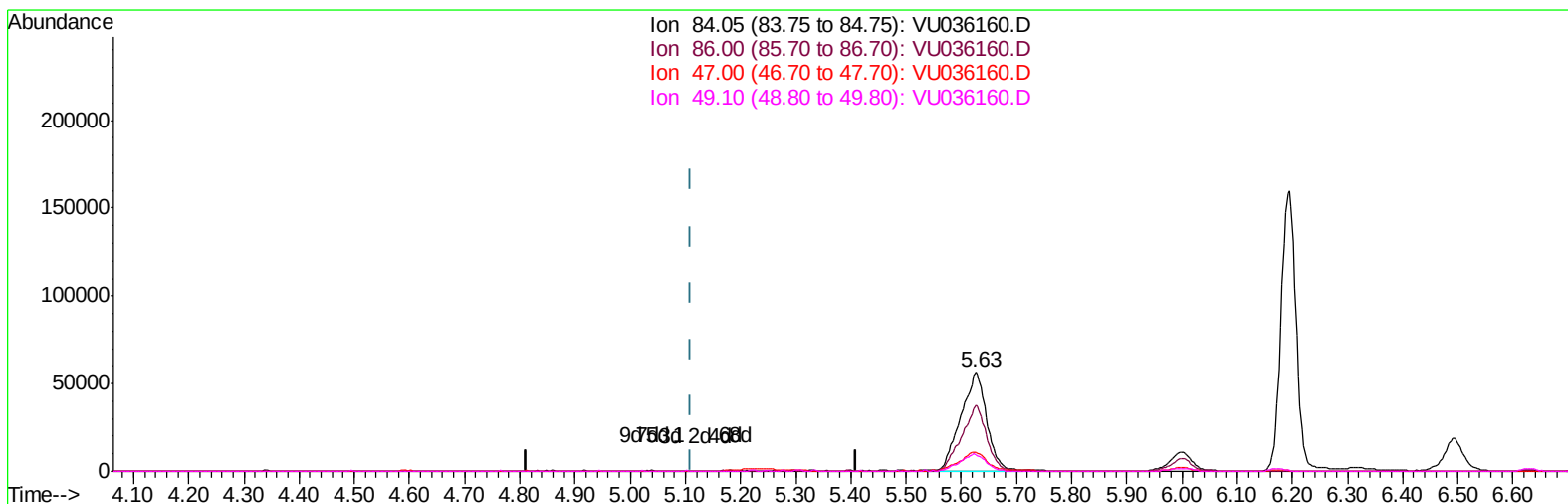
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

Manual Integrations
APPROVED

apatel
12/13/2019 3:58:37 PM

Quant Time: Dec 13 03:23:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration



TIC: VU036160.D

(24) Chloroform-d (S)

5.626min (+0.514) 6.21ug/L m

response 182720

Ion	Exp%	Act%
84.05	100	100
86.00	61.80	0.14#
47.00	39.80	0.12#
49.10	23.60	0.32#

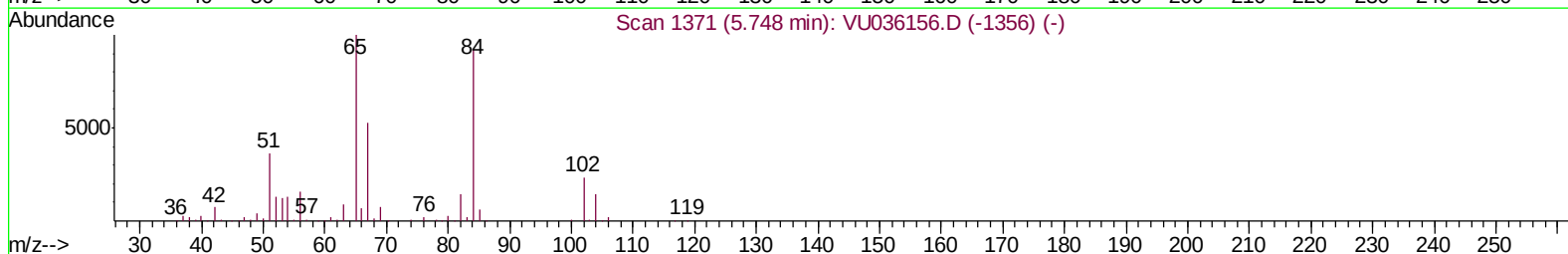
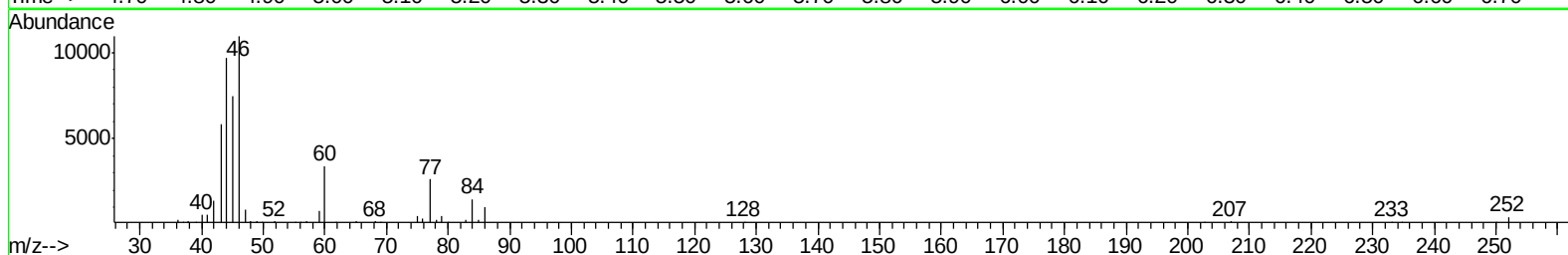
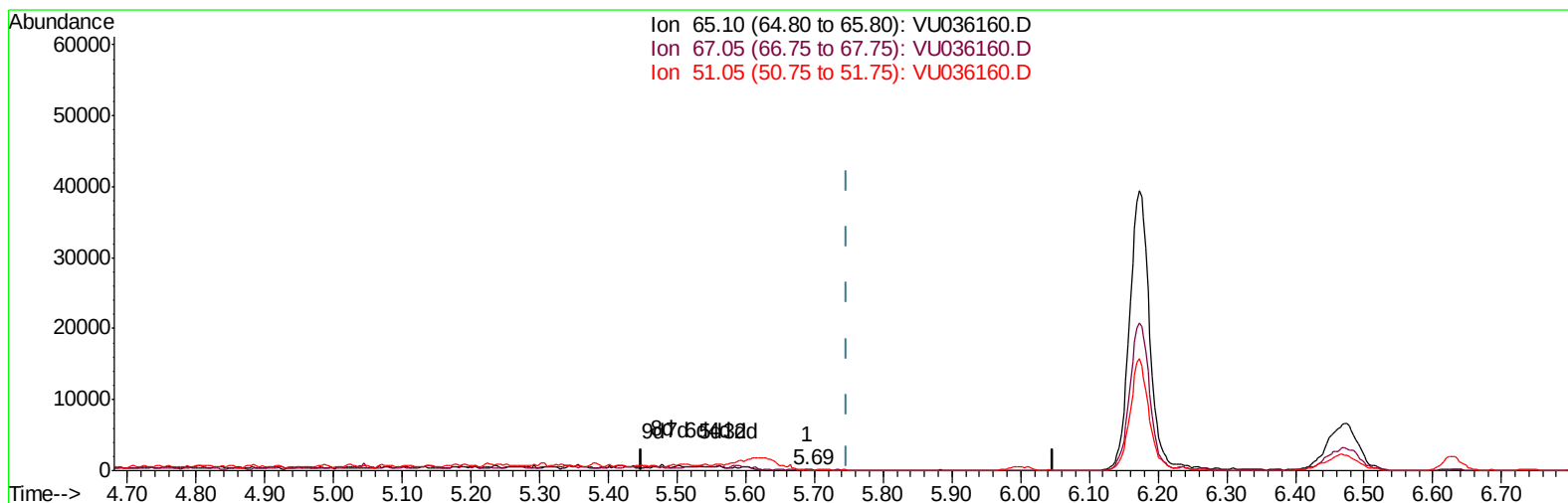
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

Manual Integrations
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apatel
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Quant Time: Dec 13 03:23:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration



TIC: VU036160.D

(26) 1,2-Dichloroethane-d4 (S)

5.690min (-0.058) 0.01ug/L

response 98

Ion	Exp%	Act%
65.10	100	100
67.05	56.50	109.18#
51.05	35.90	202.04#
0.00	0.00	0.00

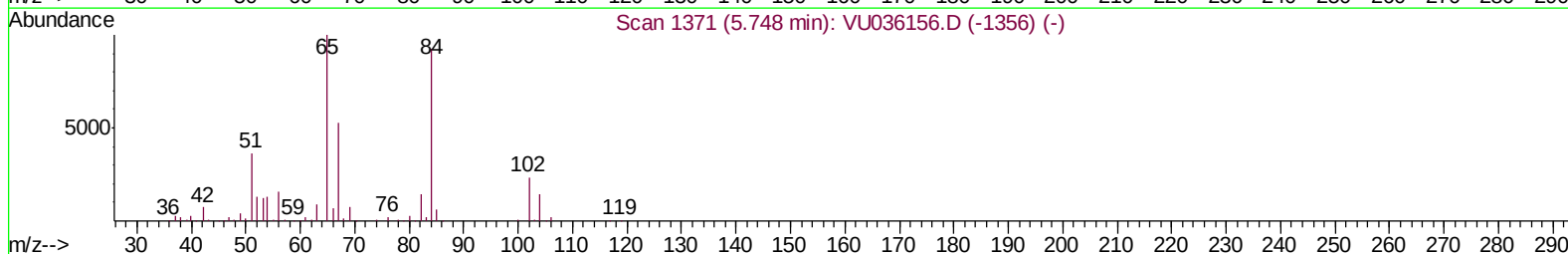
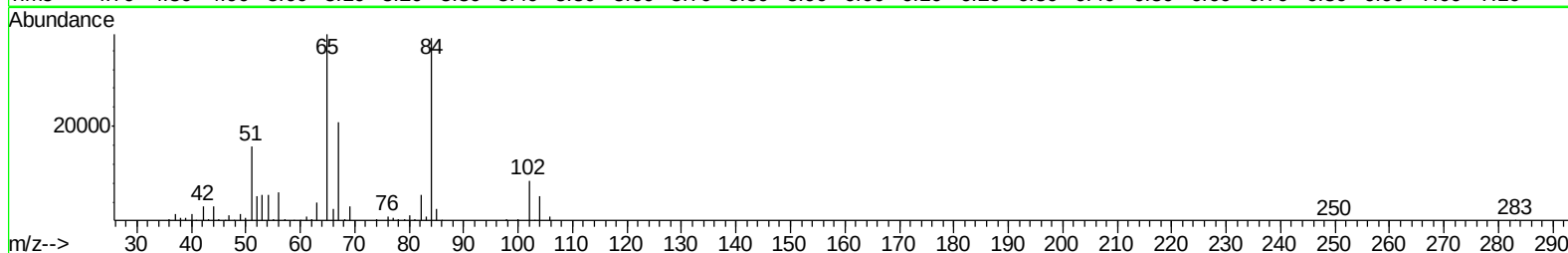
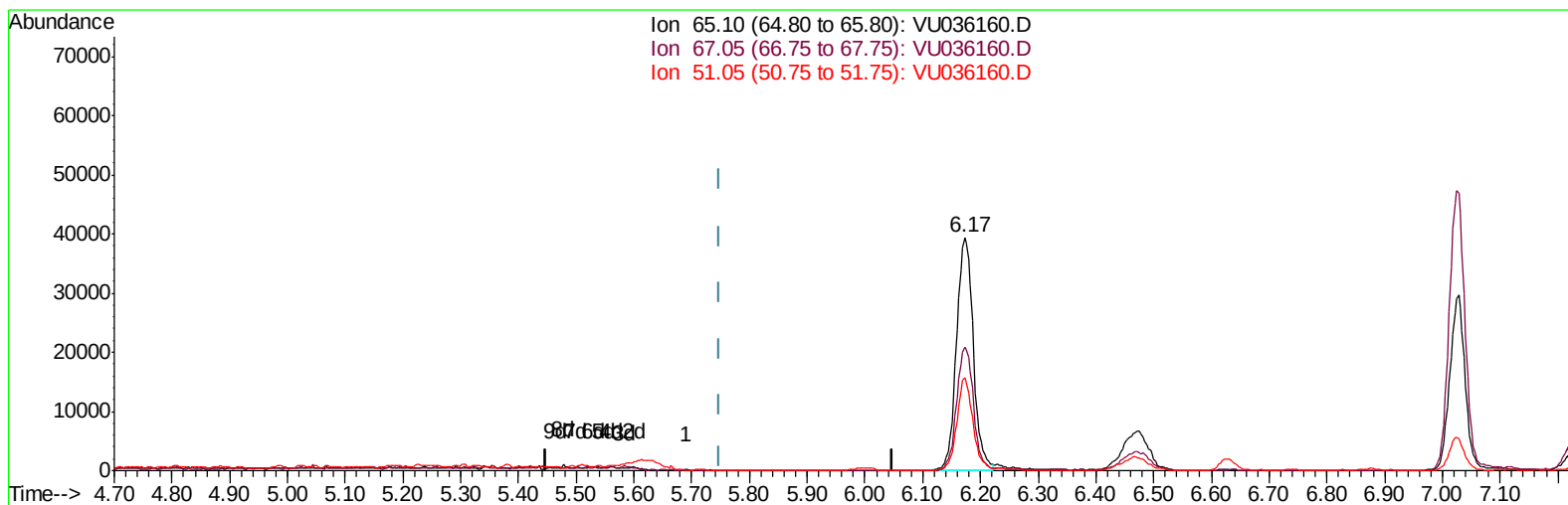
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

Manual Integrations
APPROVED

apatel
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Quant Time: Dec 13 03:23:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration



TIC: VU036160.D

(26) 1,2-Dichloroethane-d4 (S)

6.173min (+0.424) 5.32ug/L m

response 79303

Ion	Exp%	Act%
65.10	100	100
67.05	56.50	0.13#
51.05	35.90	0.25#
0.00	0.00	0.00

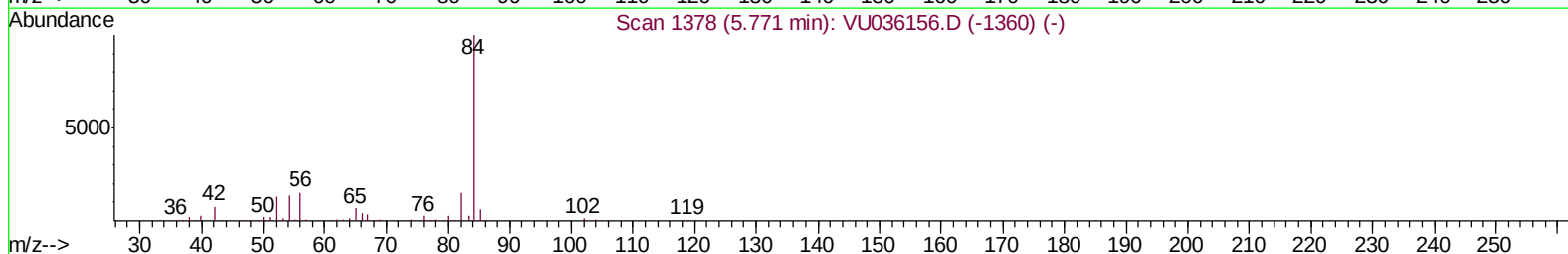
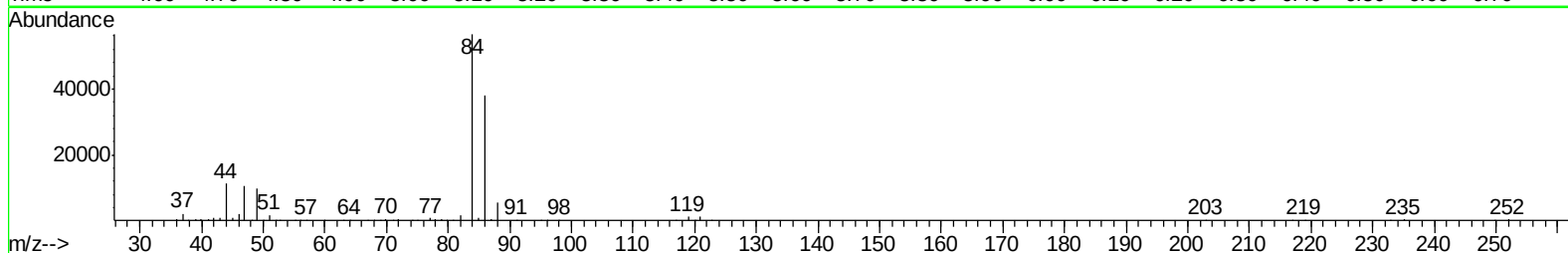
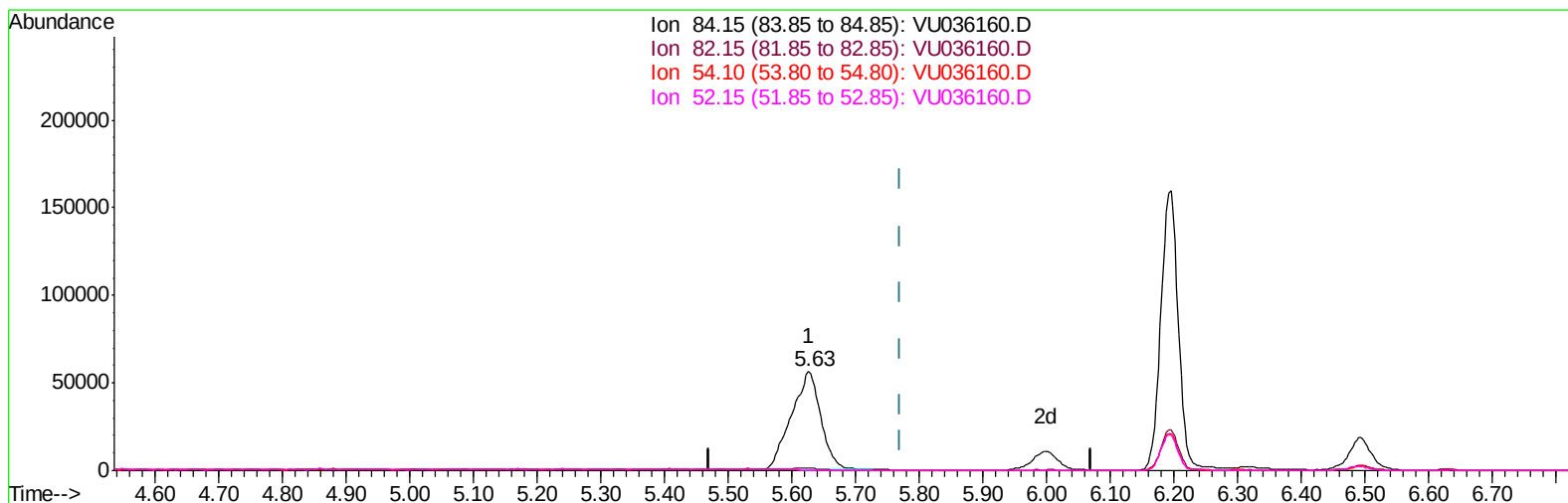
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDQ0

Manual Integrations
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apatel
12/13/2019 3:58:37 PM

Quant Time: Dec 13 03:23:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 13 02:41:23 2019
Response via : Initial Calibration



TIC: VU036160.D

(32) Benzene-d6 (S)

5.626min (-0.145) 3.11ug/L

response 180042

Ion	Exp%	Act%
84.15	100	100
82.15	15.40	2.48#
54.10	14.10	0.14#
52.15	12.30	0.02#

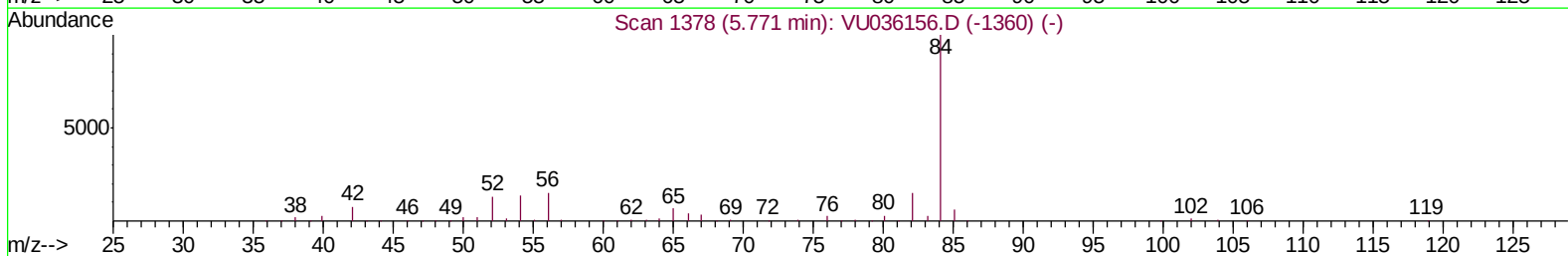
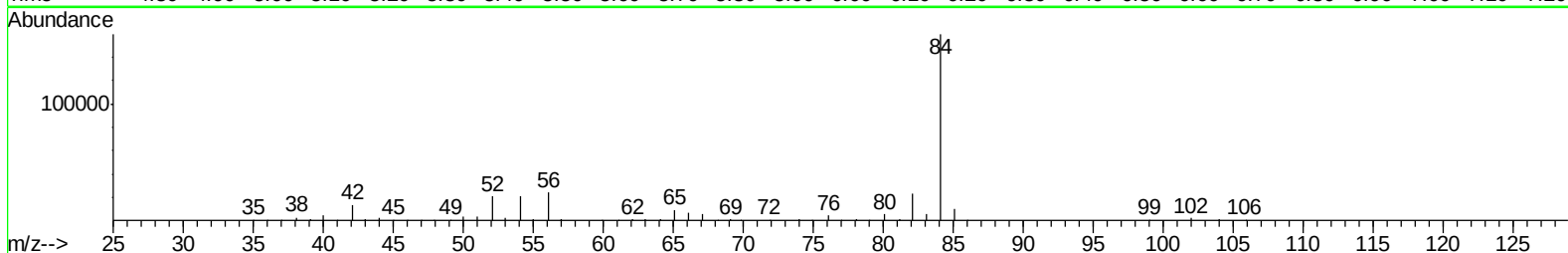
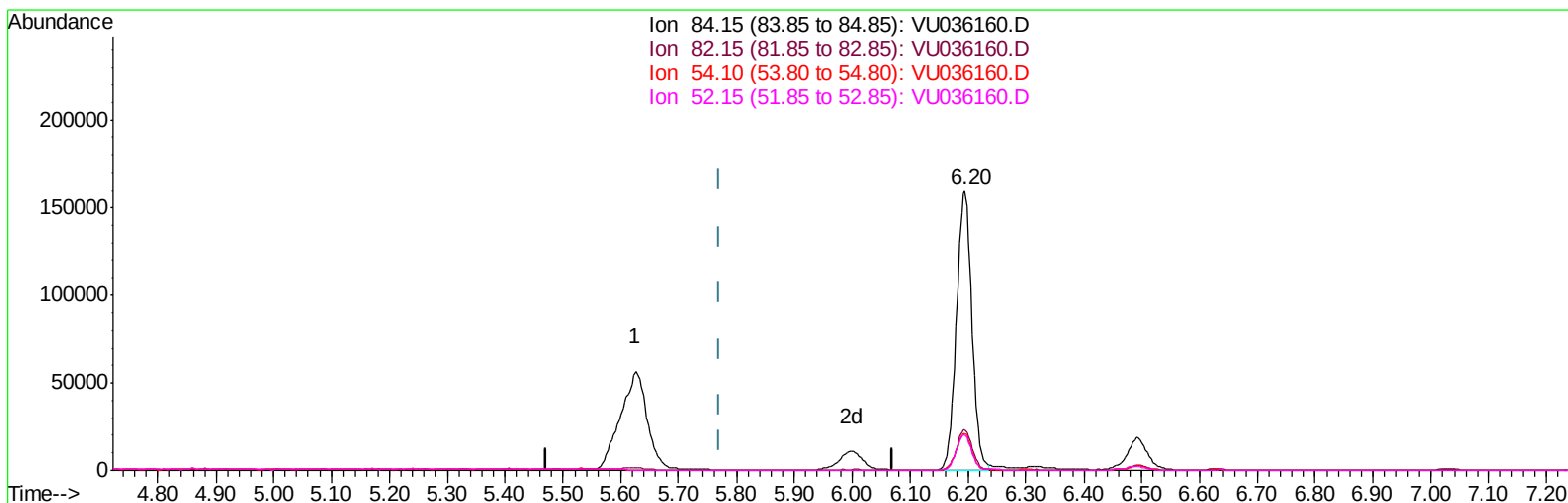
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
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Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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Manual Integrations
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TIC: VU036160.D

(32) Benzene-d6 (S)

6.195min (+0.424) 5.18ug/L m

response 300019

Ion	Exp%	Act%
84.15	100	100
82.15	15.40	1.49#
54.10	14.10	0.09#
52.15	12.30	0.01#

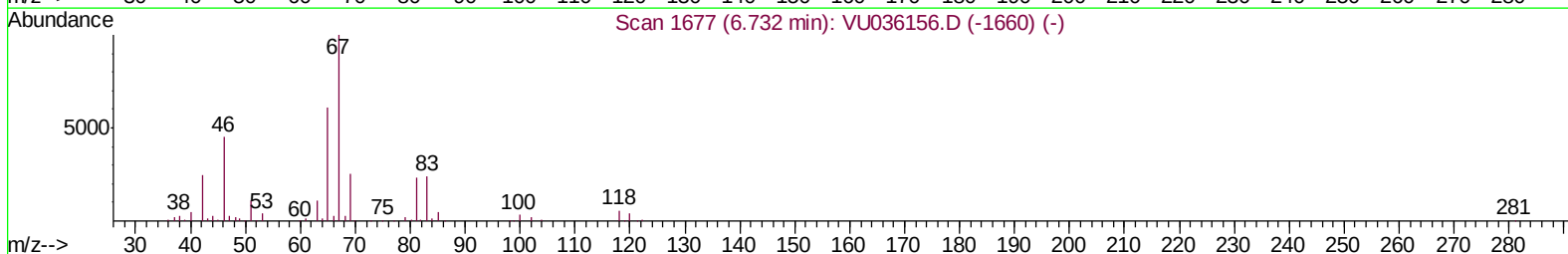
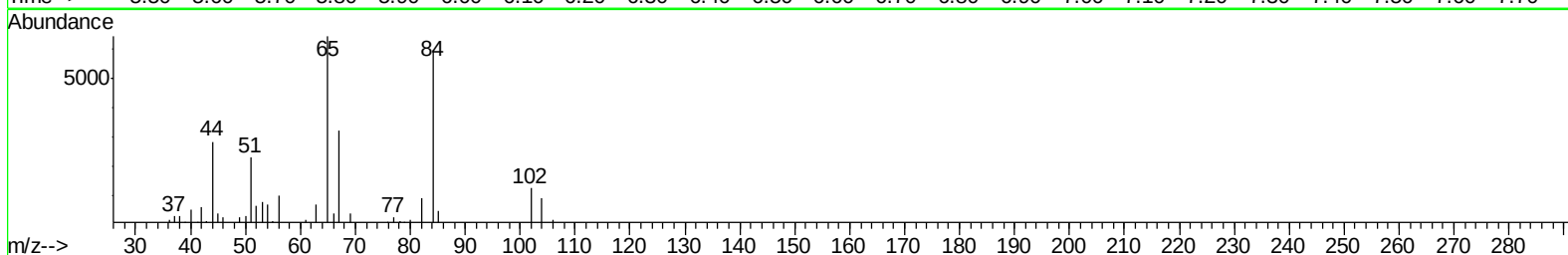
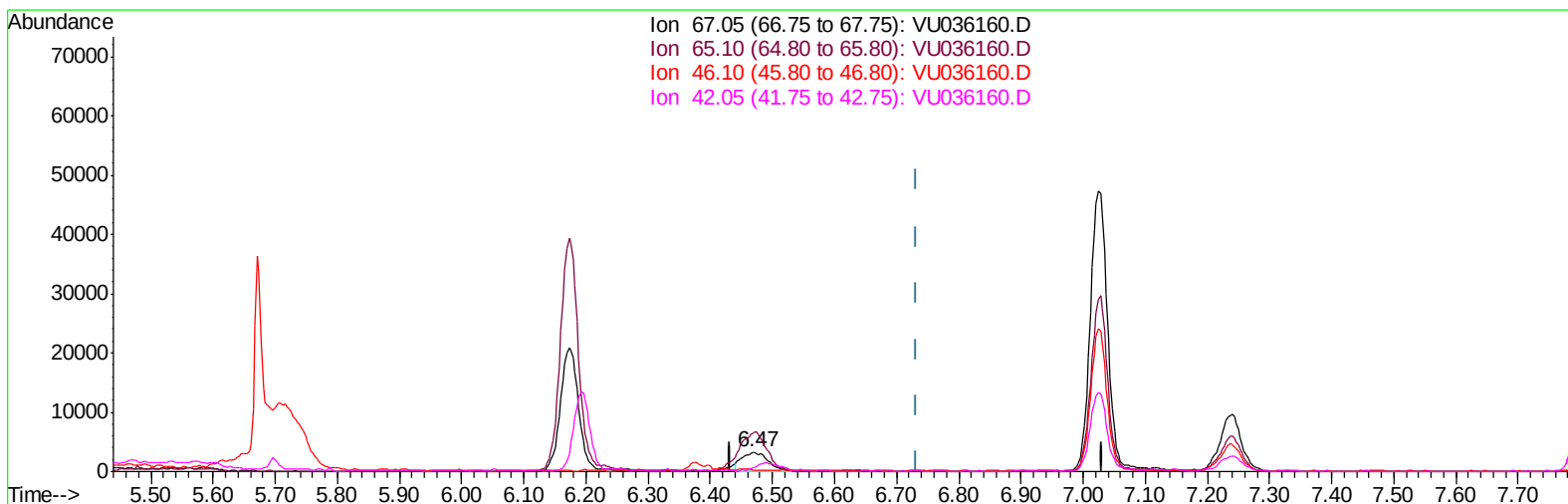
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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Manual Integrations
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TIC: VU036160.D

(36) 1,2-Dichloropropane-d6 (S)

6.468min (-0.264) 0.54ug/L

response 9671

Ion	Exp%	Act%
67.05	100	100
65.10	60.30	194.72#
46.10	46.10	0.00#
42.05	26.00	43.84#

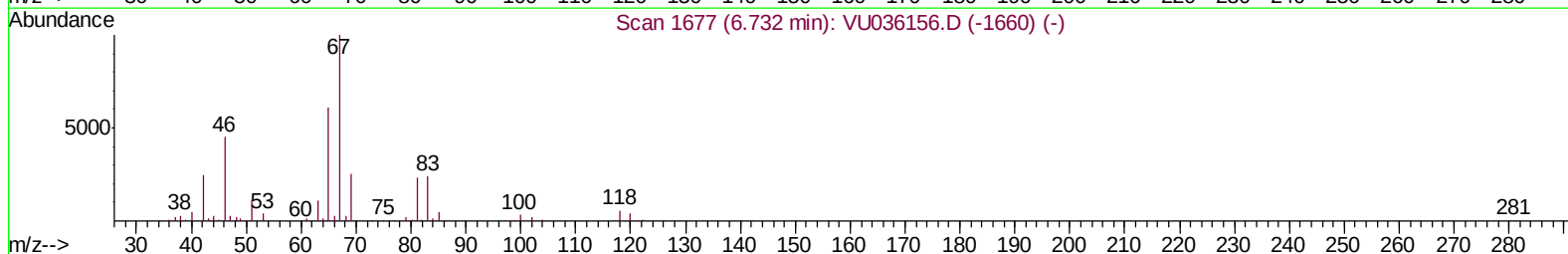
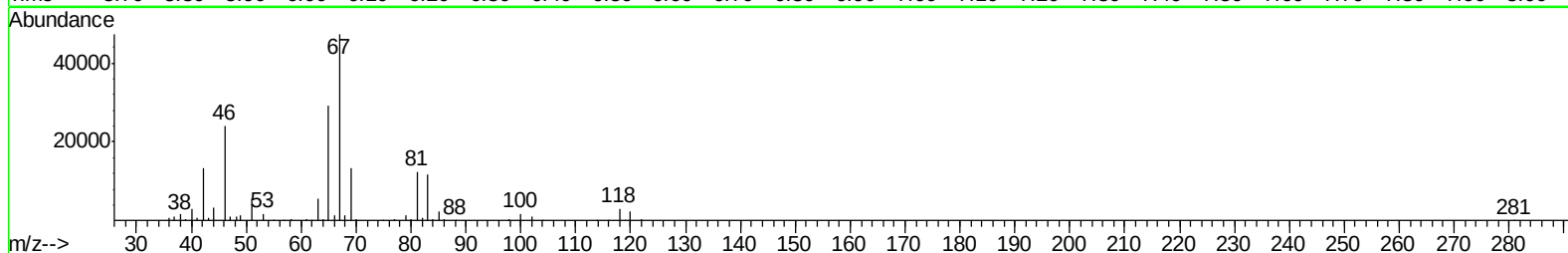
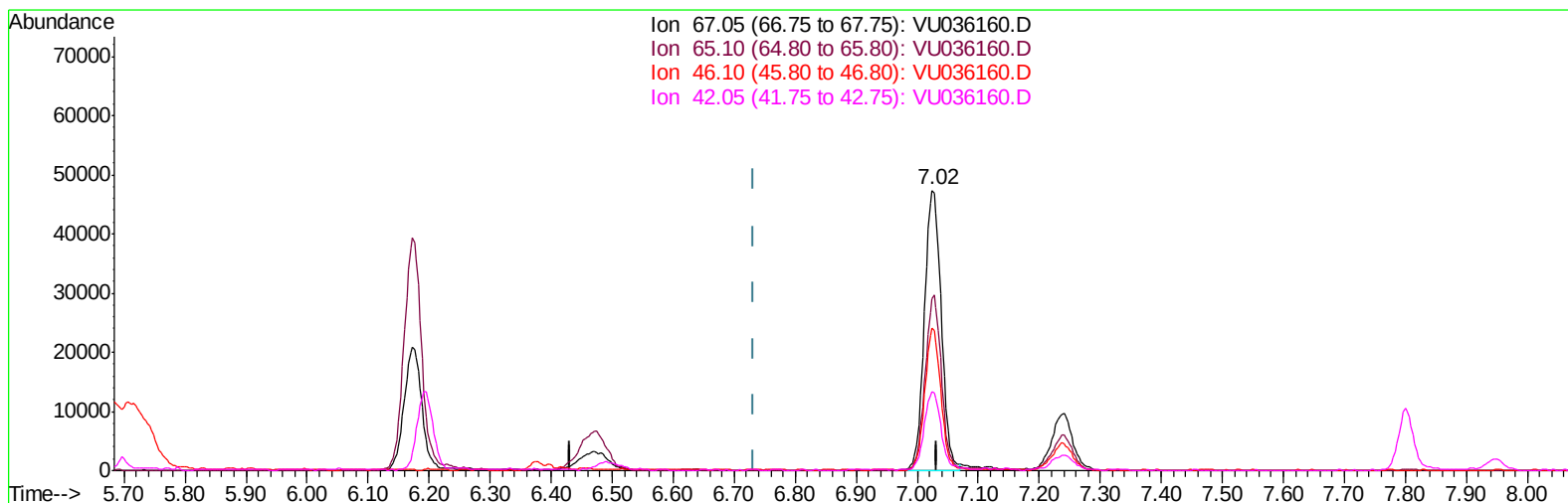
Data File : VU036160.D
Acq On : 12 Dec 2019 19:59
Operator : JC/MD
Sample : K6273-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
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Manual Integrations
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TIC: VU036160.D

(36) 1,2-Dichloropropane-d6 (S)

7.025min (+0.292) 5.02ug/L m

response 90445

Ion	Exp%	Act%
67.05	100	100
65.10	60.30	20.82#
46.10	46.10	0.00#
42.05	26.00	4.69#

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.63	114	199881m	5.00	ug/L	0.34
28) Chlorobenzene-d5	9.54	117	216603	5.00	ug/L	0.09
60) 1,4-Dichlorobenzene-d4	11.86	152	99667	5.00	ug/L	0.03

System Monitoring Compounds

4) Vinyl Chloride-d3	1.98	65	141703m	6.99	ug/L	0.37
Spiked Amount	5.000	Range	40 - 130	Recovery	=	139.80%#
7) Chloroethane-d5	2.42	69	130649m	7.34	ug/L	0.49
Spiked Amount	5.000	Range	65 - 130	Recovery	=	146.80%#
11) 1,1-Dichloroethene-d2	3.21	63	178815m	6.69	ug/L	0.61
Spiked Amount	5.000	Range	60 - 125	Recovery	=	133.80%#
20) 2-Butanone-d5	5.24	46	252534m	77.60	ug/L	0.54
Spiked Amount	50.000	Range	40 - 130	Recovery	=	155.20%#
24) Chloroform-d	5.63	84	182720m	6.21	ug/L	0.51
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.20%
26) 1,2-Dichloroethane-d4	6.17	65	79303m	5.32	ug/L	0.42
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	6.20	84	300019m	5.18	ug/L	0.42
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.60%
36) 1,2-Dichloropropane-d6	7.02	67	90445m	5.02	ug/L	0.29
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.40%
41) Toluene-d8	8.11	98	207967	3.89	ug/L	0.18
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.80%
43) trans-1,3-Dichloropropene-	8.36	79	30713	4.08	ug/L	0.15
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.79	63	119752	43.25	ug/L	0.12
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.50%
57) 1,1,2,2-Tetrachloroethane-	0.00	84	0d	0.00	ug/L	
Spiked Amount	5.000	Range	65 - 120	Recovery	=	0.00%#
64) 1,2-Dichlorobenzene-d4	12.24	152	104654	5.53	ug/L	0.02
Spiked Amount	5.000	Range	80 - 120	Recovery	=	110.60%

Target Compounds					Qvalue
19) 1,1-Dichloroethane	3.95	63	19648	0.684 ug/L #	89
38) Bromodichloromethane	7.24	83	5763	0.263 ug/L #	48
68) 1,2,4-trichlorobenzene	13.86	180	1985	0.178 ug/L #	61
70) 1,2,3-Trichlorobenzene	14.35	180	1930	0.186 ug/L	88

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

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