

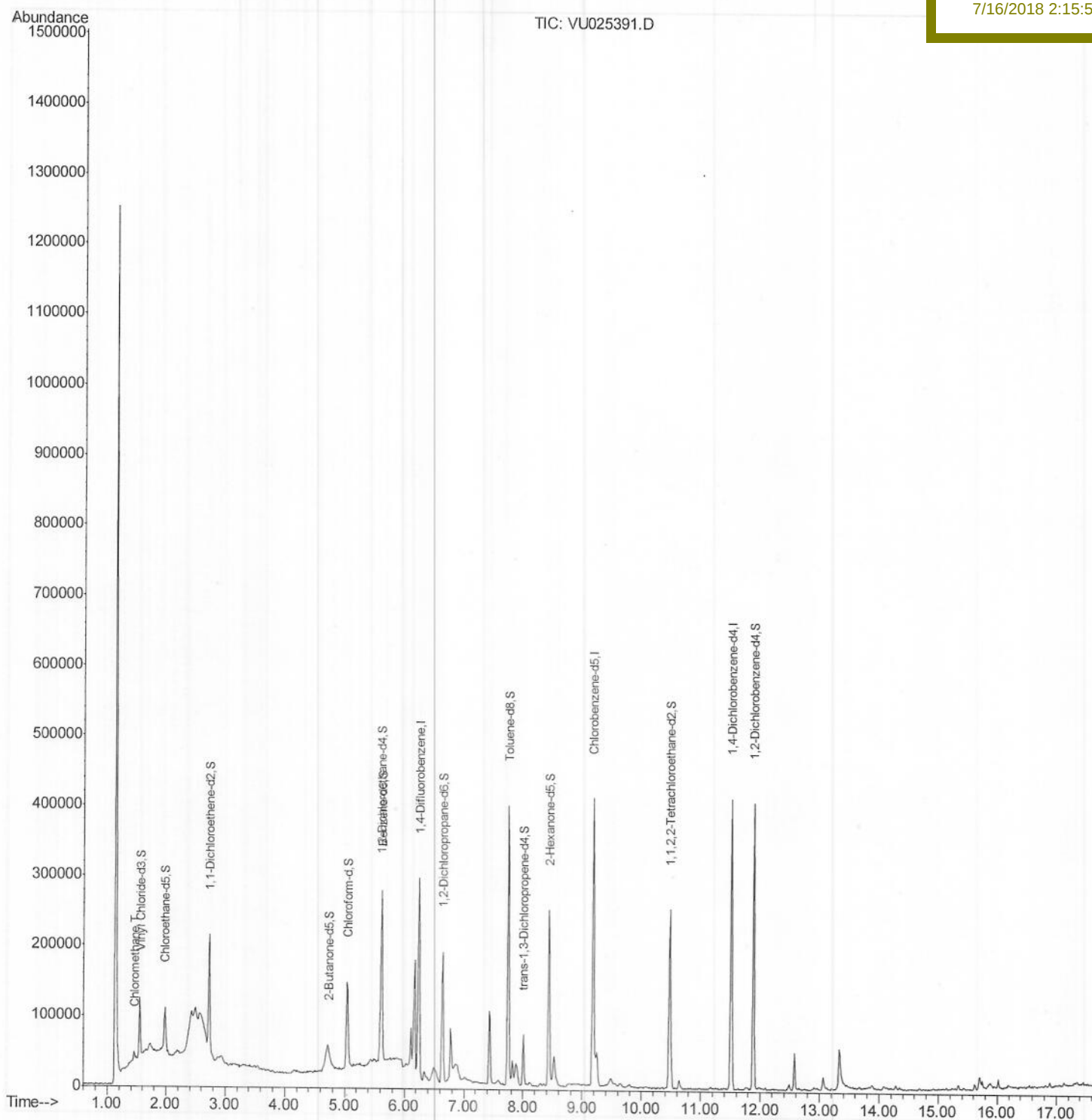
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
Data File : VU025391.D
Acq On : 13 Jul 2018 14:05
Operator : MD/SY
Sample : J3937-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 13 16:20:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 06 23:15:38 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BEMG6

Manual Integrations
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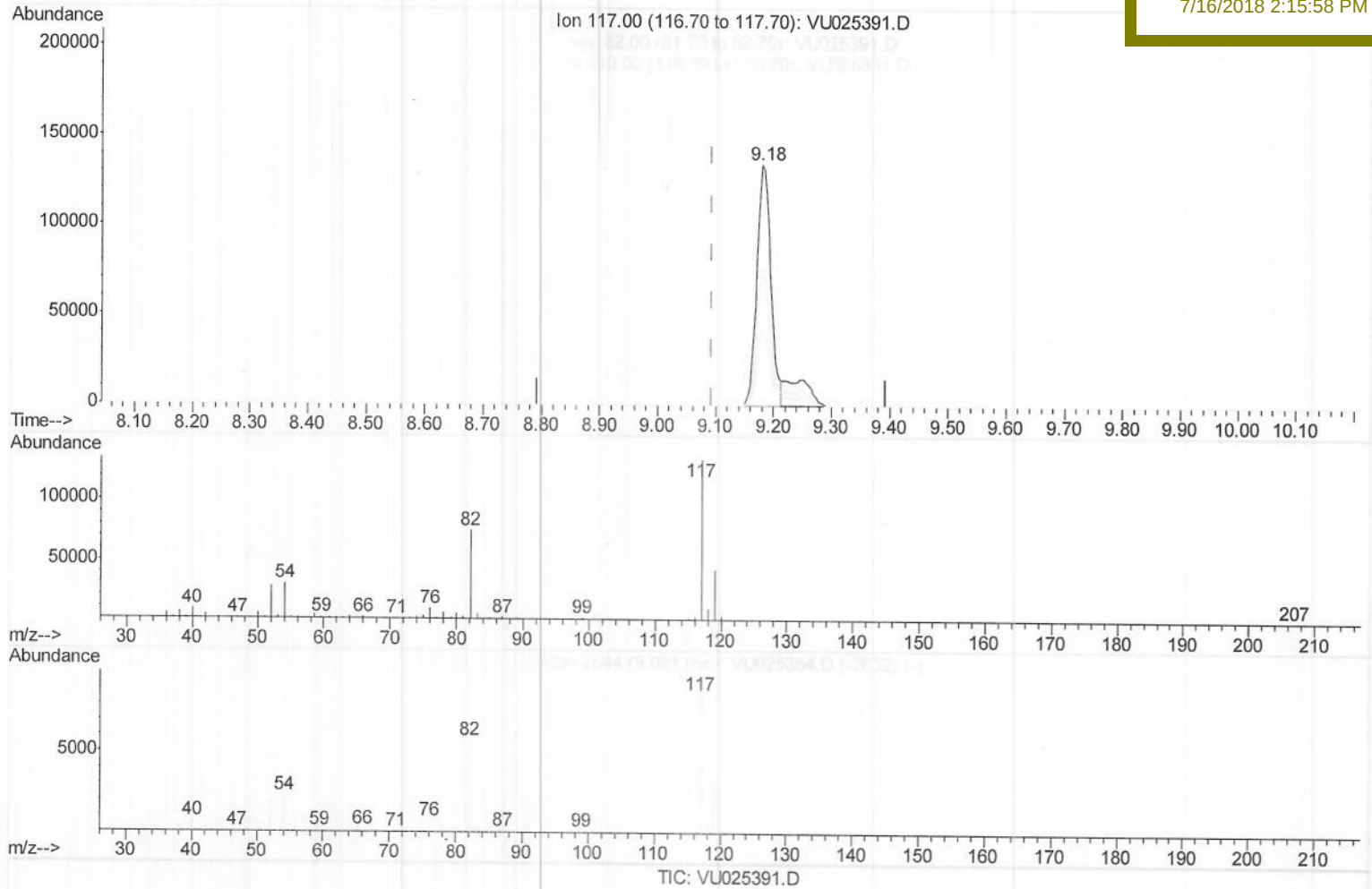
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
Data File : VU025391.D
Acq On : 13 Jul 2018 14:05
Operator : MD/SY
Sample : J3937-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 13 15:54:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 06 23:15:38 2018
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ClientSampleId :
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Manual Integrations
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(28) Chlorobenzene-d5 (I)

9.181min (+0.087) 50.00ug/L

response 223163

Ion	Exp%	Act%
117.00	100	100
82.00	55.50	56.52
119.00	32.50	34.87
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\

Data File : VU025391.D

Acq On : 13 Jul 2018 14:05

Operator : MD/SY

Sample : J3937-08

Misc : 5.0mL/MSVOA U/WATER

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 13 15:54:28 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M

Quant Title : VOC Analysis

QLast Update : Fri Jul 06 23:15:38 2018

Response via : Initial Calibration

Instrument :

MSVOA_U

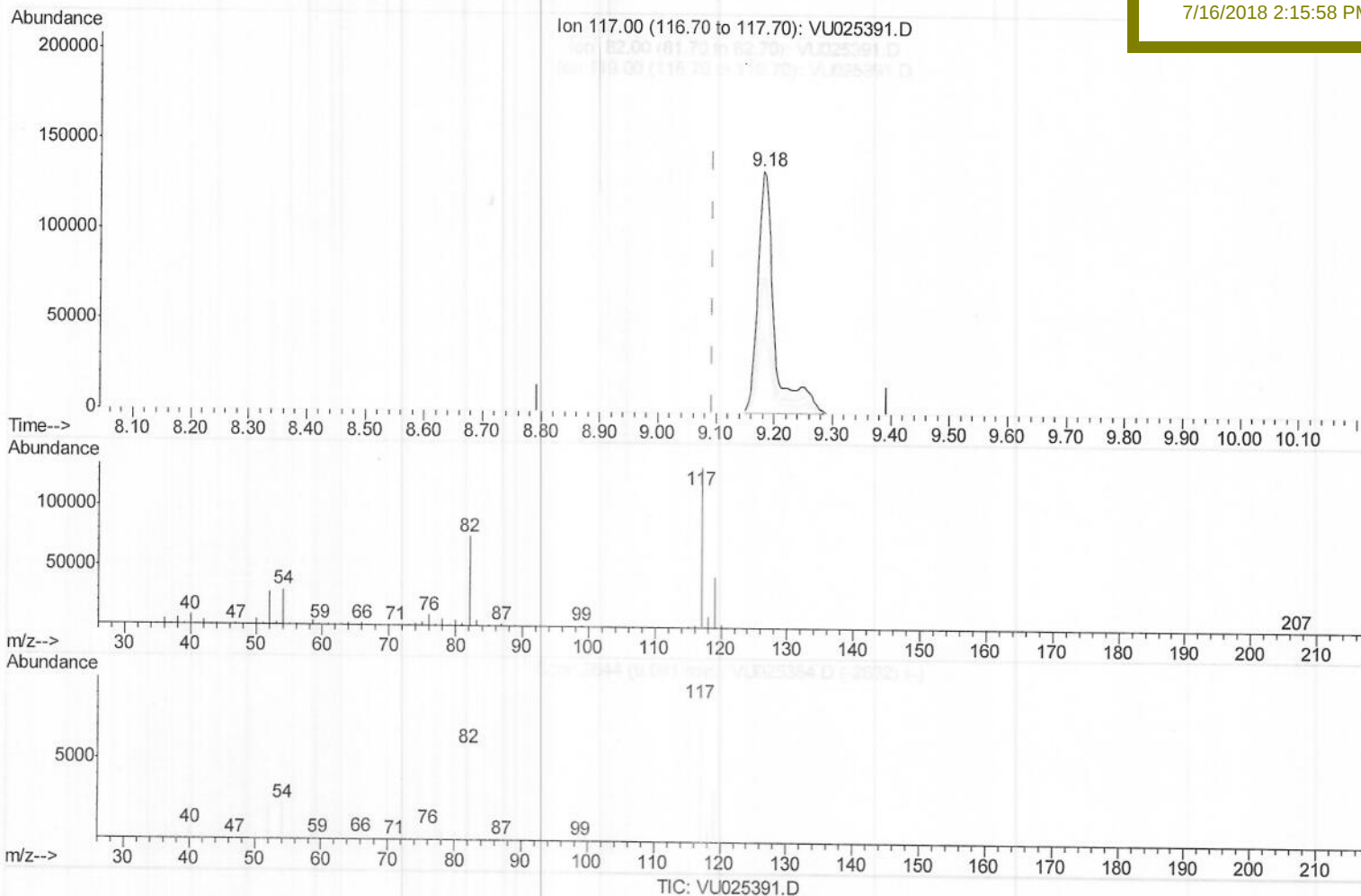
ClientSampleId :

BEMG6

Manual Integrations
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sam

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(28) Chlorobenzene-d5 (I)

9.181min (+0.087) 50.00ug/L m

response 267489

Ion Exp% Act%

117.00 100 100

82.00 55.50 47.15

119.00 32.50 29.09

0.00 0.00 0.00

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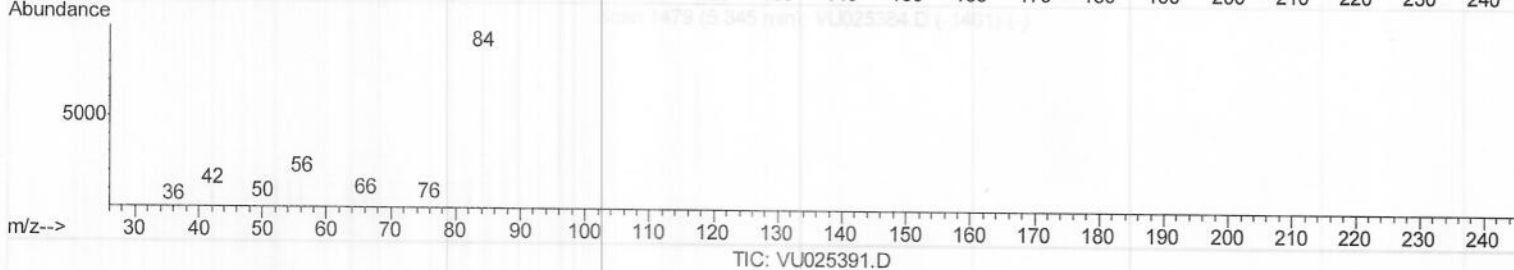
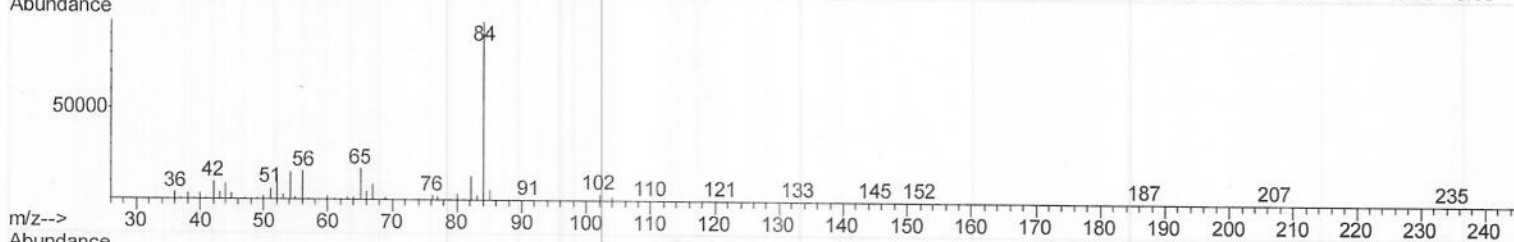
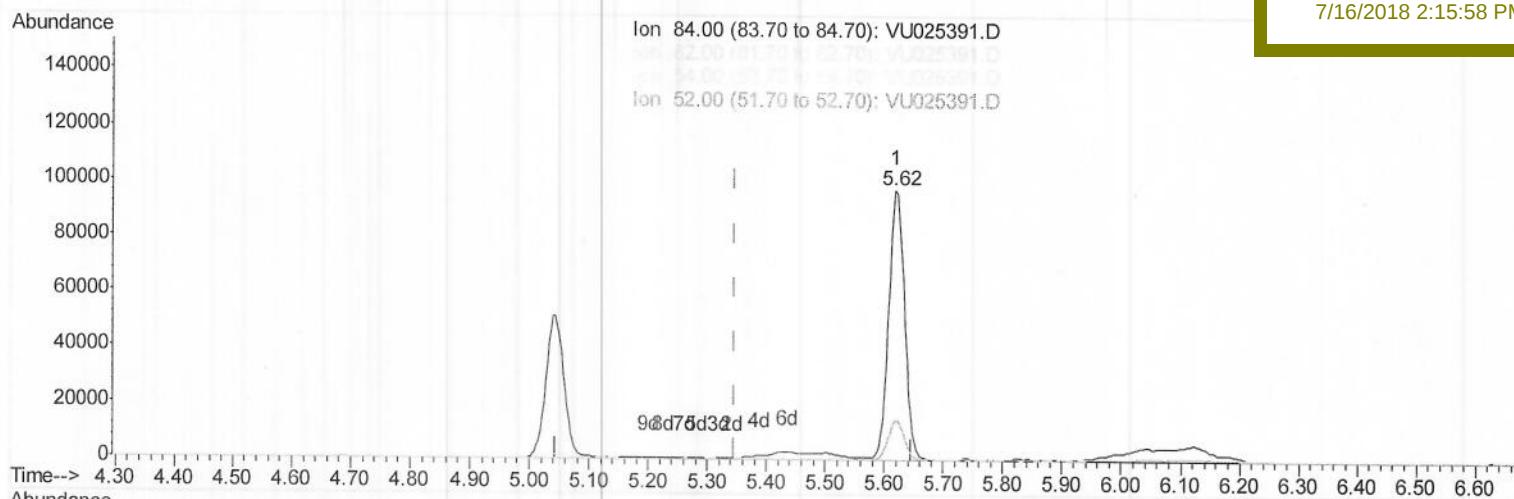
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
Data File : VU025391.D
Acq On : 13 Jul 2018 14:05
Operator : MD/SY
Sample : J3937-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 13 15:54:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 06 23:15:38 2018
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MSVOA_U
ClientSampleId :
BEMG6

Manual Integrations
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(32) Benzene-d6 (S)

5.619min (+0.273) 24.83ug/L m

response 182266

Ion	Exp%	Act%
84.00	100	100
82.00	15.00	11.86
54.00	15.20	13.07
52.00	14.80	12.29

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Quantitation Report (Qedit)

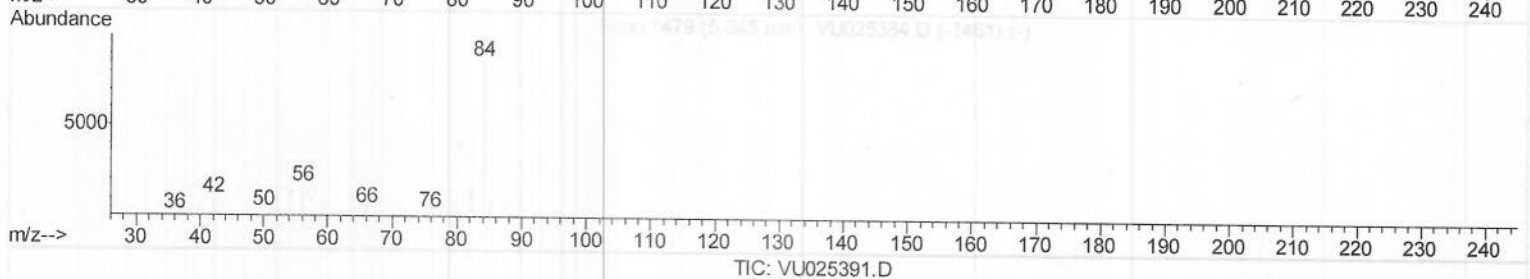
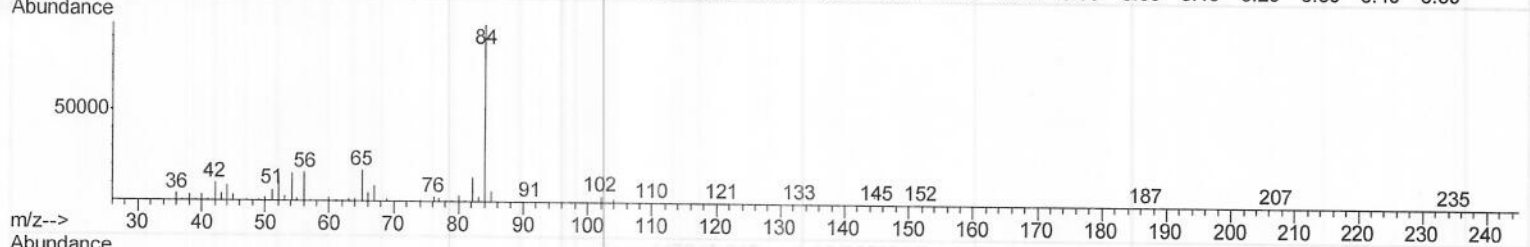
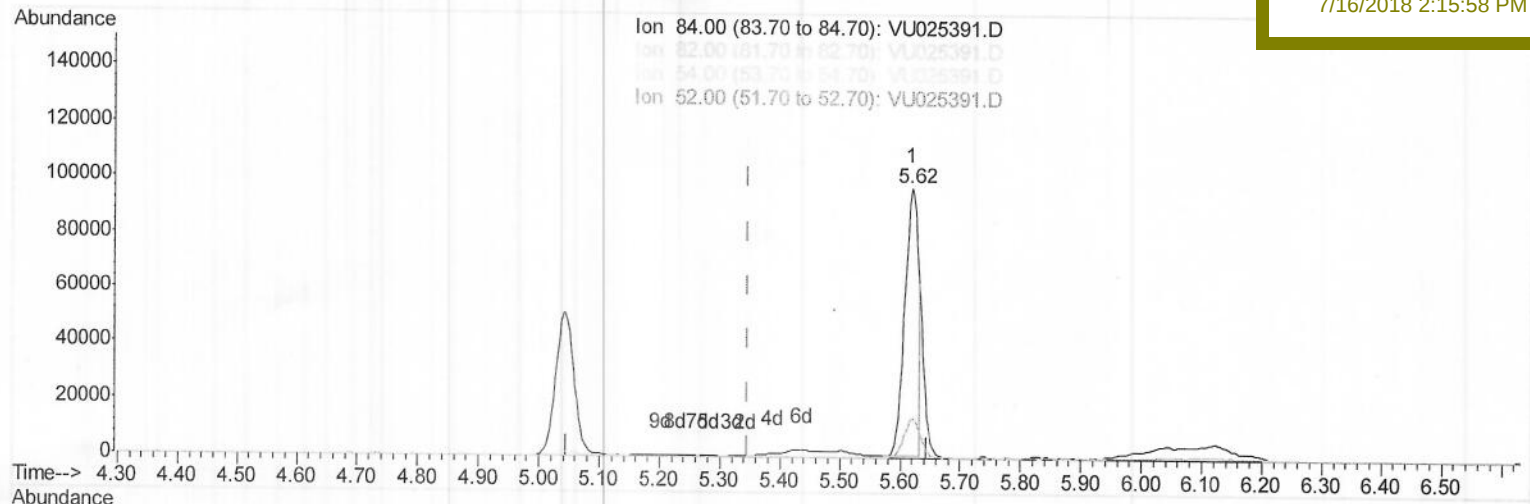
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
 Data File : VU025391.D
 Acq On : 13 Jul 2018 14:05
 Operator : MD/SY
 Sample : J3937-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

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Instrument :
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 ClientSampleId :
 BEMG6

Manual Integrations
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(32) Benzene-d6 (S)

5.619min (+0.273) 20.61ug/L

response 151233

Ion	Exp%	Act%
84.00	100	100
82.00	15.00	14.29
54.00	15.20	15.75
52.00	14.80	14.82

Quantitation Report (Qedit)

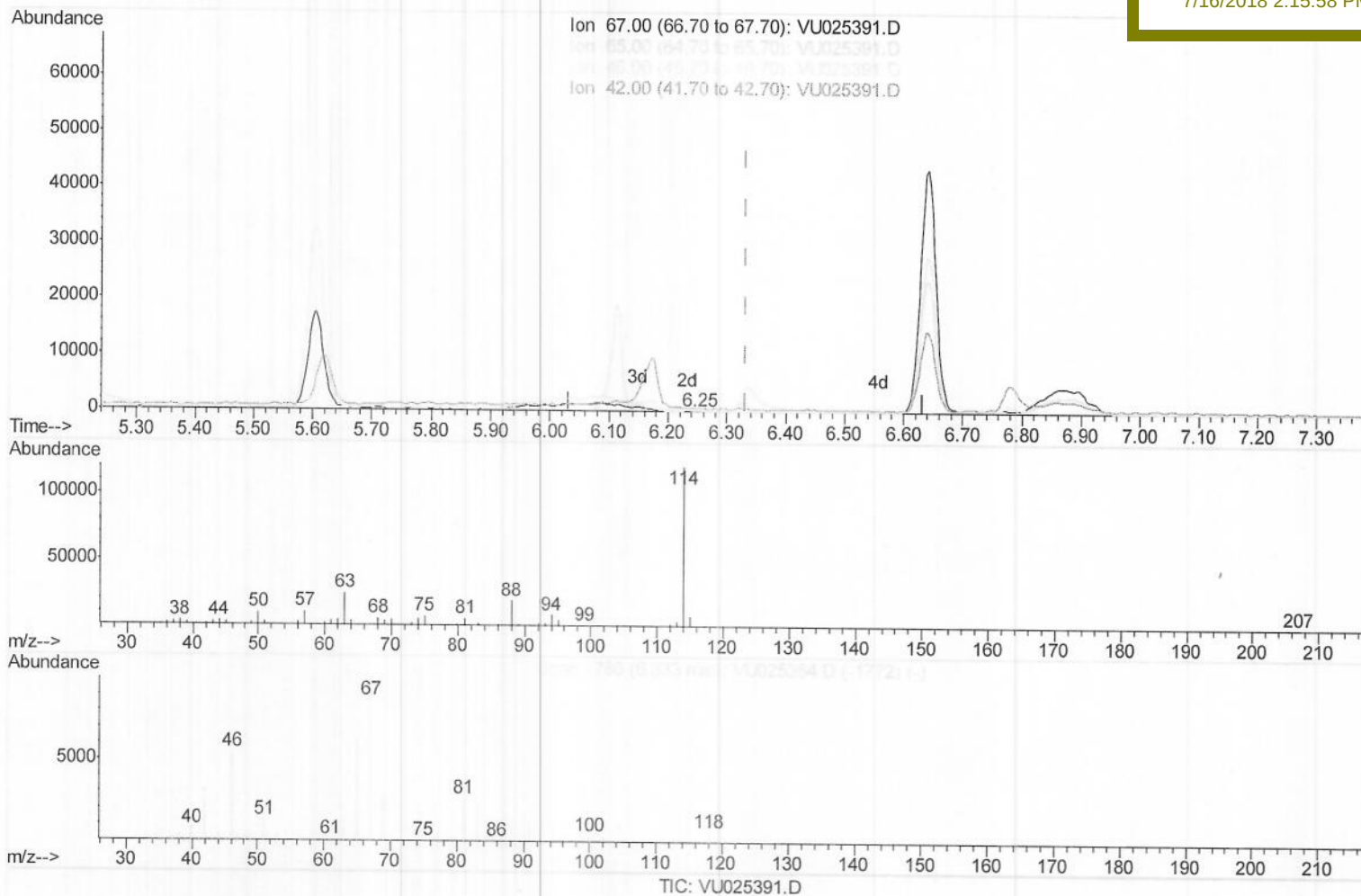
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
Data File : VU025391.D
Acq On : 13 Jul 2018 14:05
Operator : MD/SY
Sample : J3937-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 13 15:55:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 06 23:15:38 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BEMG6

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

6.246min (-0.087) 0.09ug/L

response 201

Ion	Exp%	Act%
67.00	100	100
65.00	60.80	0.00#
46.00	54.00	0.00#
42.00	33.10	36.82

Quantitation Report (Qedit)

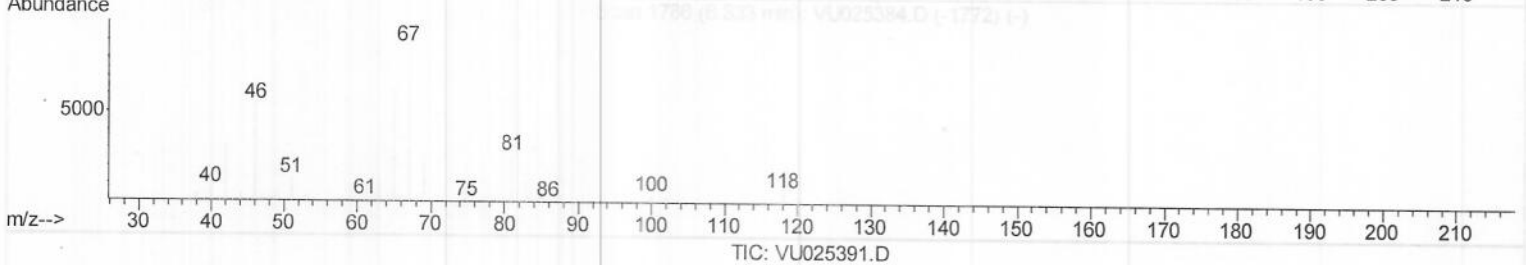
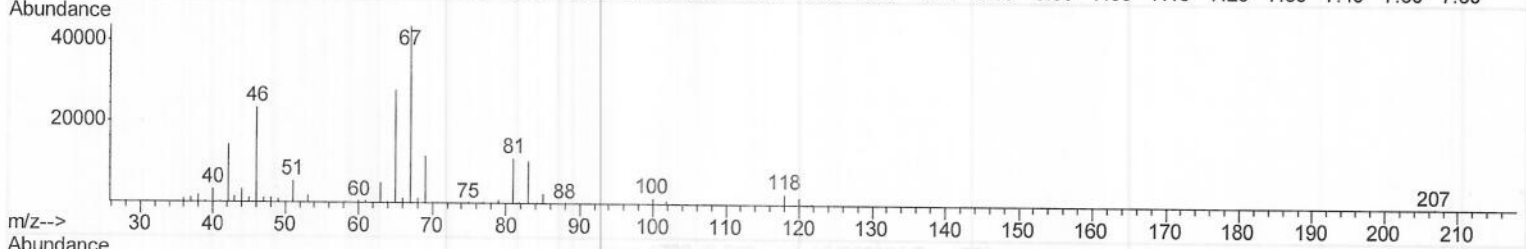
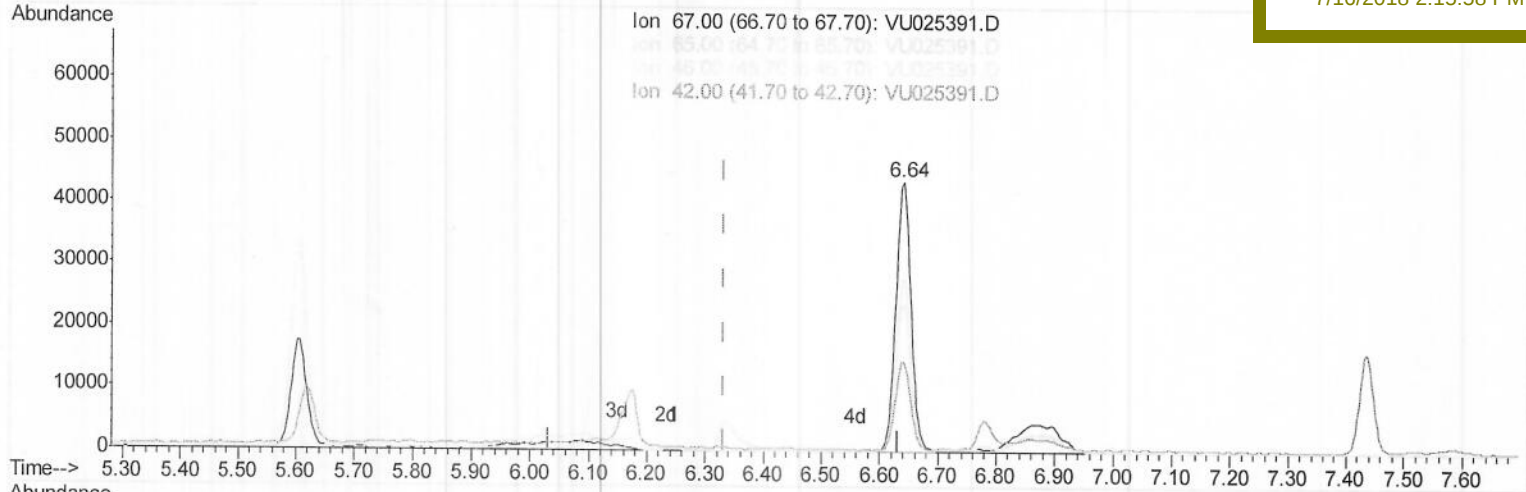
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
 Data File : VU025391.D
 Acq On : 13 Jul 2018 14:05
 Operator : MD/SY
 Sample : J3937-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 13 15:55:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 06 23:15:38 2018
 Response via : Initial Calibration

Instrument :
 MSVOA_U
 ClientSampleId :
 BEMG6

Manual Integrations
 APPROVED

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

6.641min (+0.309) 33.93ug/L m

response 79323

Ion	Exp%	Act%
67.00	100	100
65.00	60.80	0.00#
46.00	54.00	0.00#
42.00	33.10	0.09#

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Quantitation Report (Qedit)

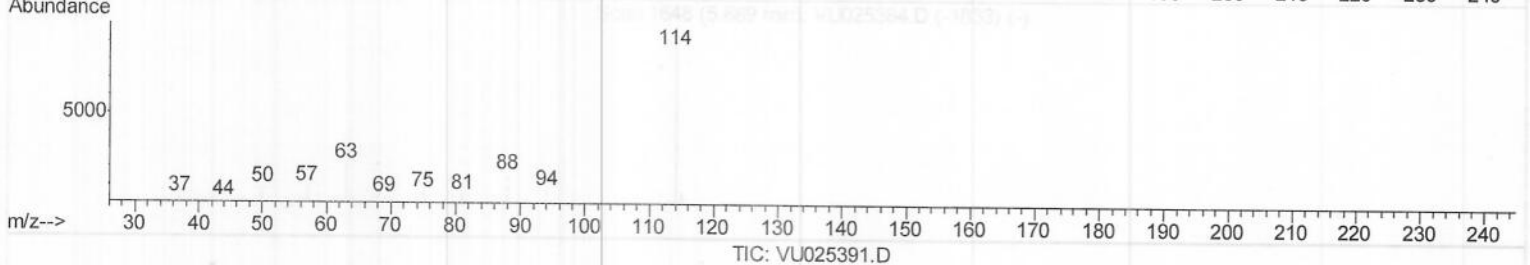
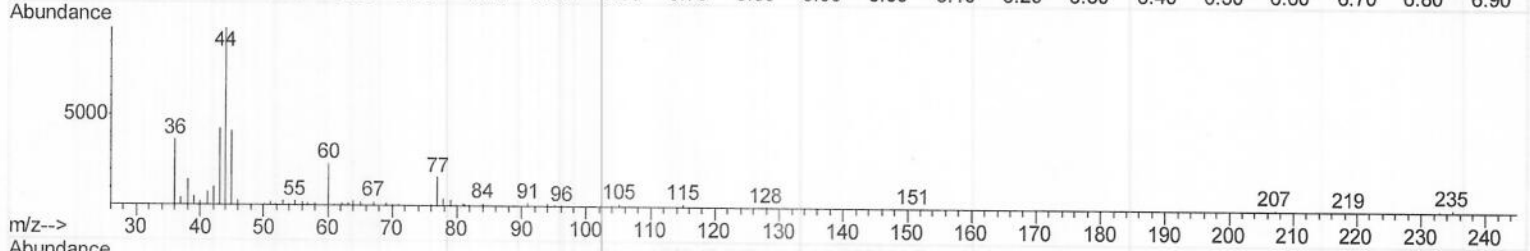
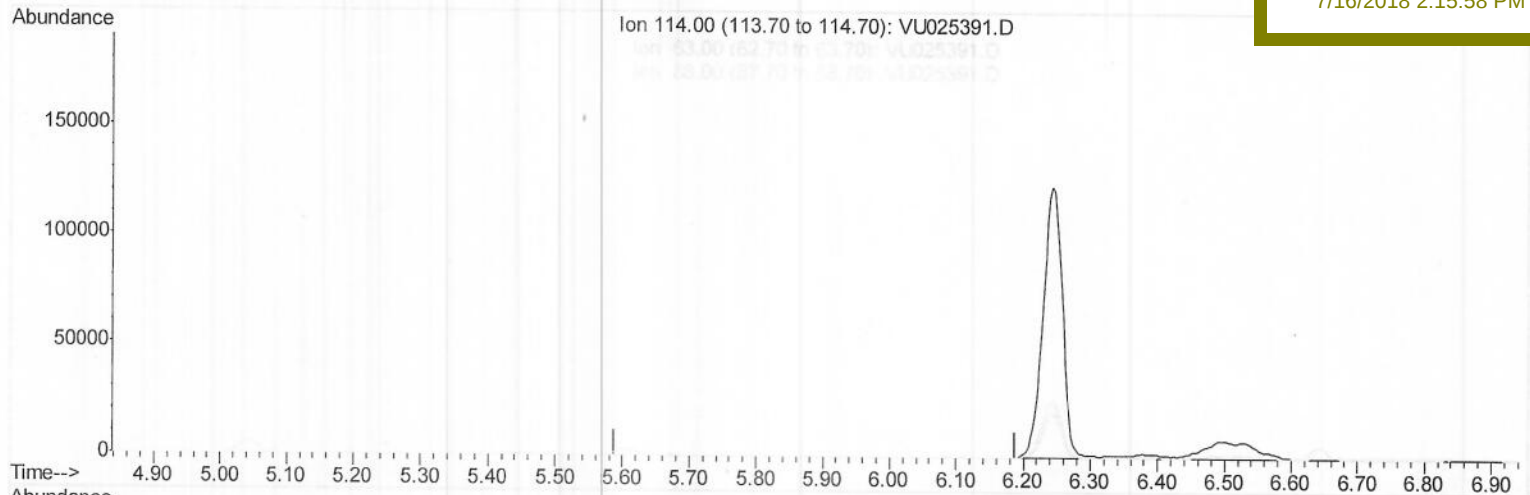
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
 Data File : VU025391.D
 Acq On : 13 Jul 2018 14:05
 Operator : MD/SY
 Sample : J3937-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 13 15:30:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 06 23:15:38 2018
 Response via : Initial Calibration

Instrument :
 MSVOA_U
 ClientSampleId :
 BEMG6

Manual Integrations
 APPROVED

sam
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(1) 1,4-Difluorobenzene (I)

5.889min (-5.889) 0.00ug/L

response 0

Ion	Exp%	Act%
114.00	100	0.00
63.00	20.70	0.00#
88.00	16.10	0.00#
0.00	0.00	0.00

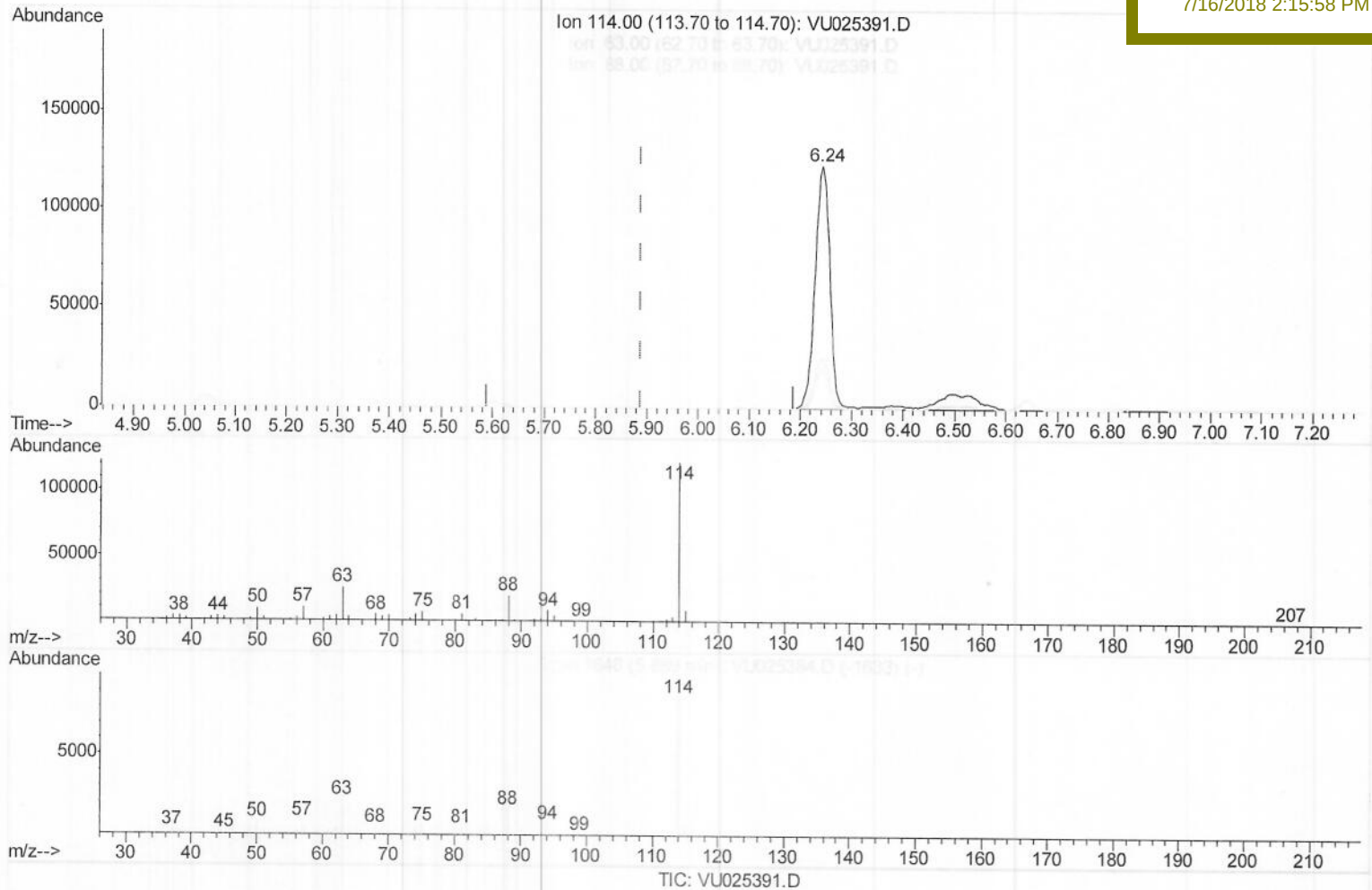
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
Data File : VU025391.D
Acq On : 13 Jul 2018 14:05
Operator : MD/SY
Sample : J3937-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 13 15:30:42 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 06 23:15:38 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BEMG6

Manual Integrations
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sam
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(1) 1,4-Difluorobenzene (I)

6.243min (+0.354) 50.00ug/L m

response 245665

Ion	Exp%	Act%
114.00	100	100
63.00	20.70	0.00#
88.00	16.10	0.00#
0.00	0.00	0.00

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Quantitation Report (Qedit)

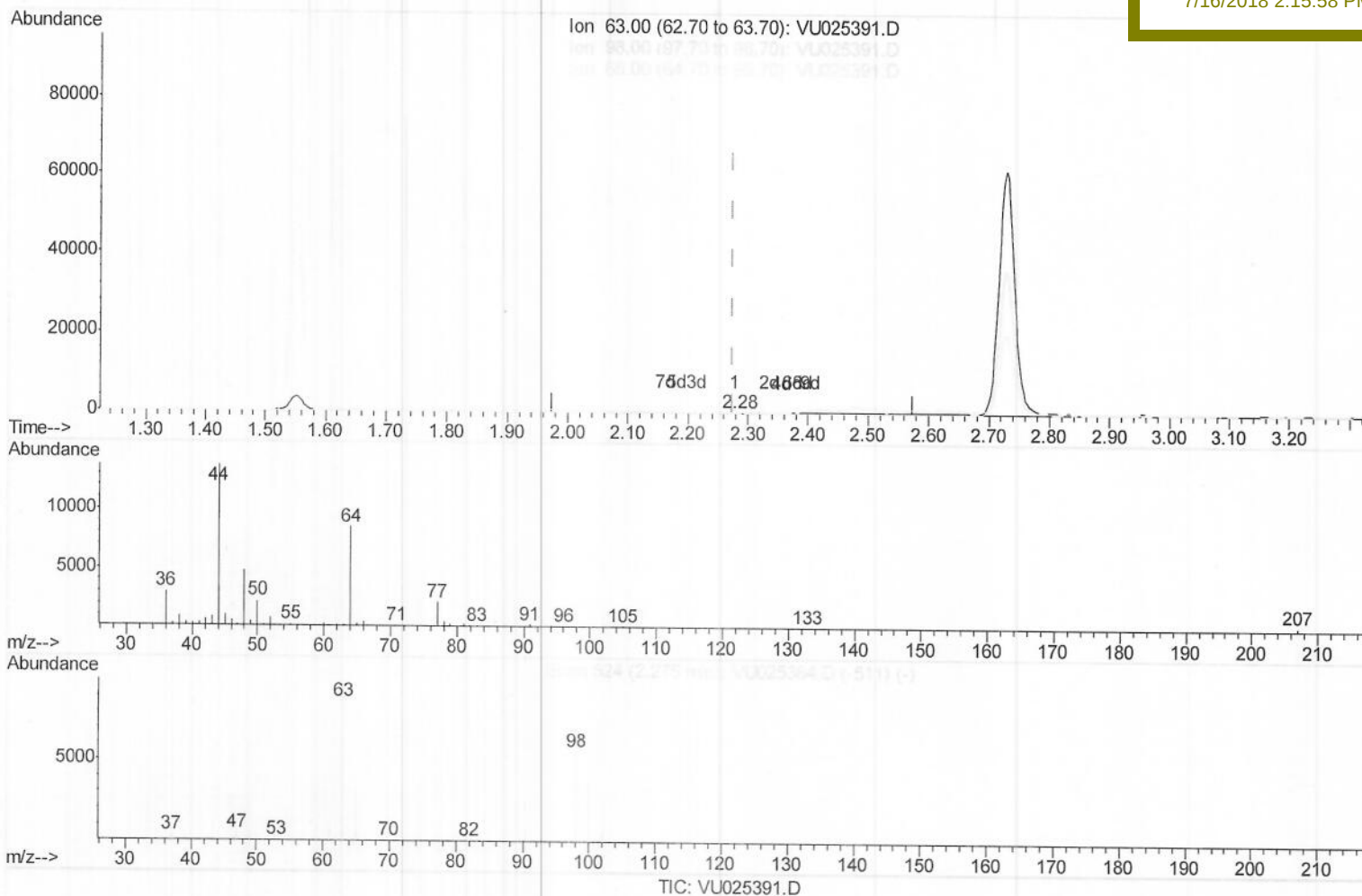
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
 Data File : VU025391.D
 Acq On : 13 Jul 2018 14:05
 Operator : MD/SY
 Sample : J3937-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BEMG6

Quant Time: Jul 13 15:49:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 06 23:15:38 2018
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Manual Integrations
 APPROVED

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

2.278min (+0.003) 0.04ug/L

response 142

Ion	Exp%	Act%
63.00	100	100
98.00	72.40	57.75
65.00	23.10	32.39#
0.00	0.00	0.00

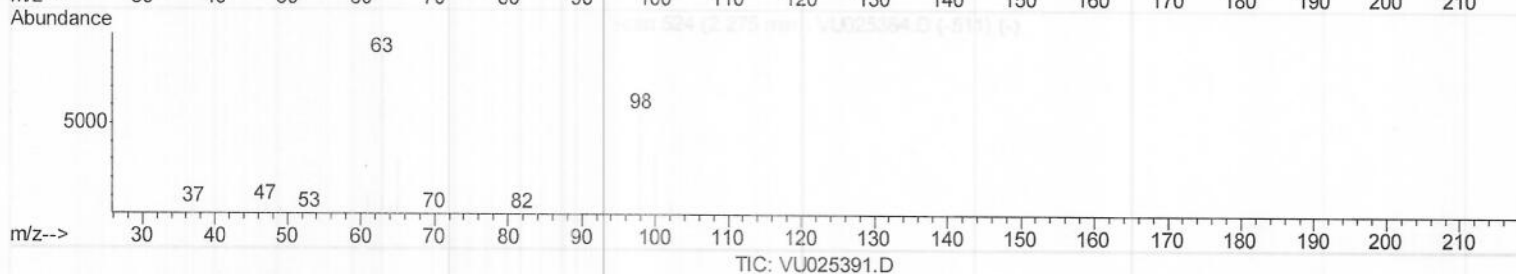
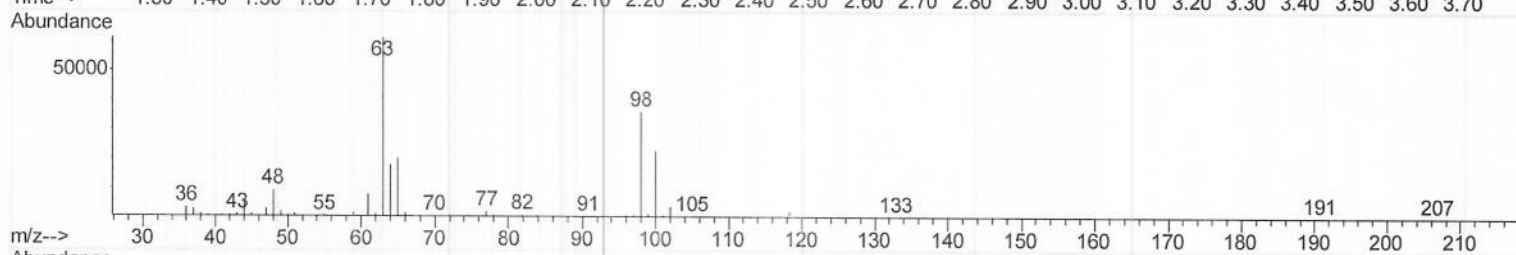
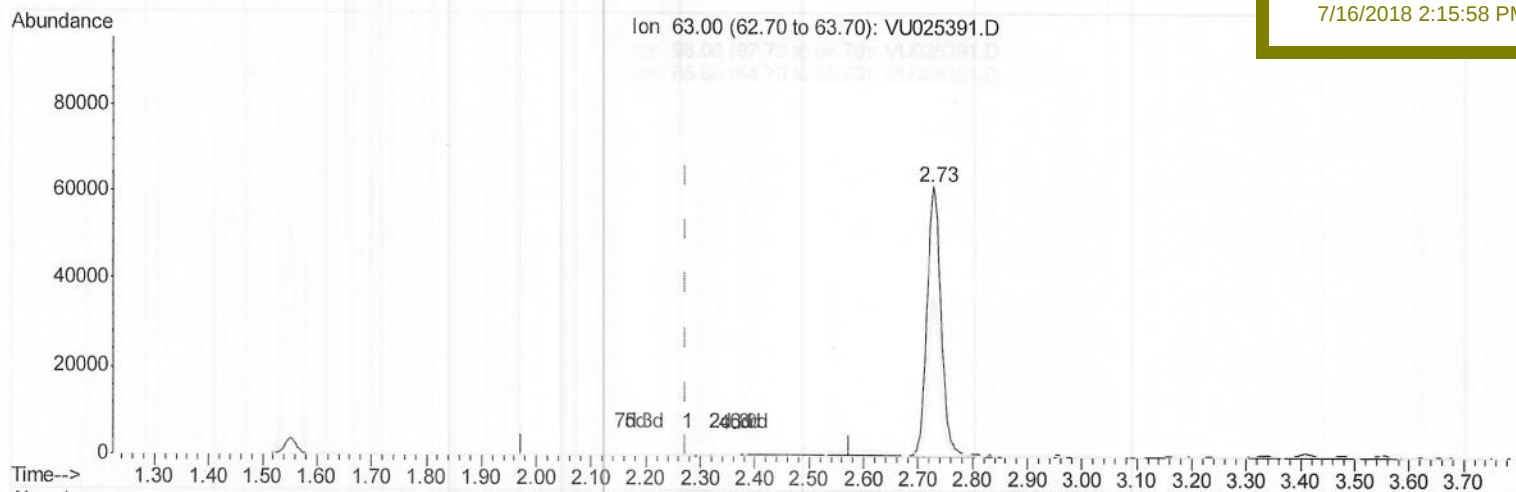
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
Data File : VU025391.D
Acq On : 13 Jul 2018 14:05
Operator : MD/SY
Sample : J3937-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 13 15:49:05 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 06 23:15:38 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BEMG6

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

2.728min (+0.454) 35.04ug/L m)

response 112230

Ion Exp% Act%

63.00 100 100

98.00 72.40 0.07#

65.00 23.10 0.04#

0.00 0.00 0.00

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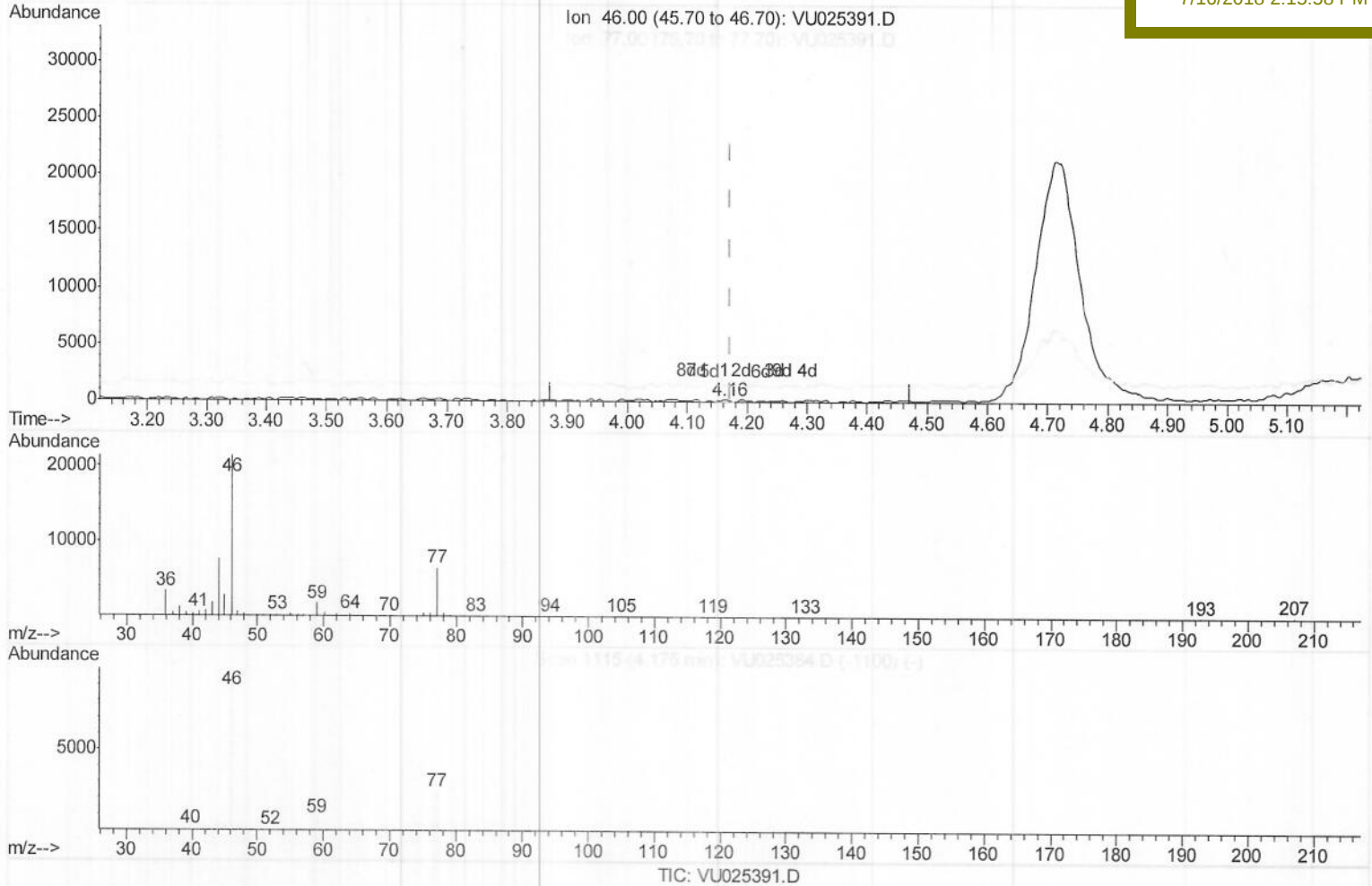
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
Data File : VU025391.D
Acq On : 13 Jul 2018 14:05
Operator : MD/SY
Sample : J3937-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 13 15:50:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 06 23:15:38 2018
Response via : Initial Calibration

Instrument :
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ClientSampleId :
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Manual Integrations
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(21) 2-Butanone-d5 (S)

4.162min (-0.009) 0.18ug/L

response 217

Ion	Exp%	Act%
46.00	100	100
77.00	24.60	23.50
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

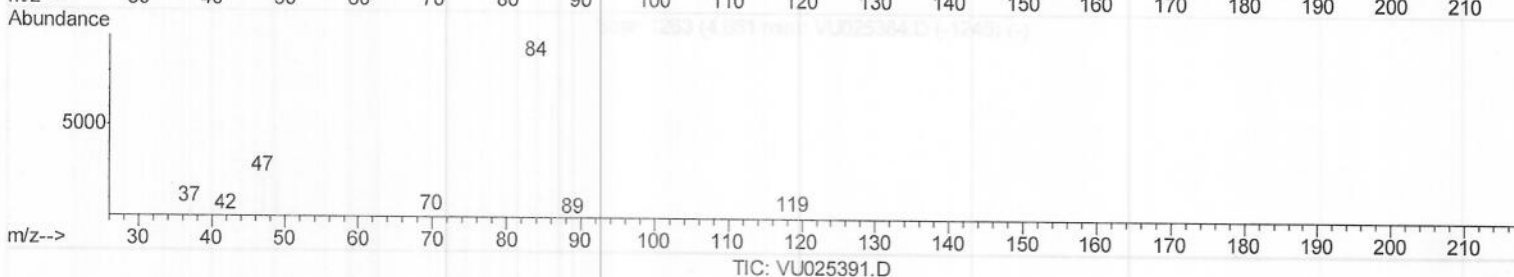
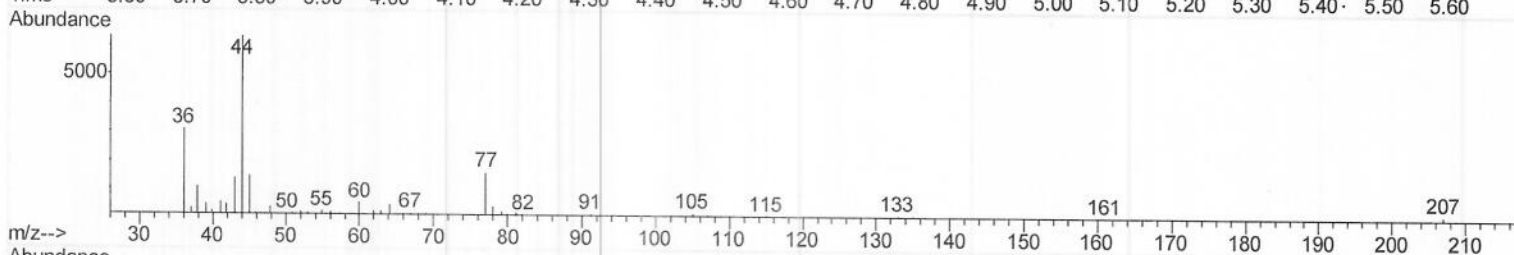
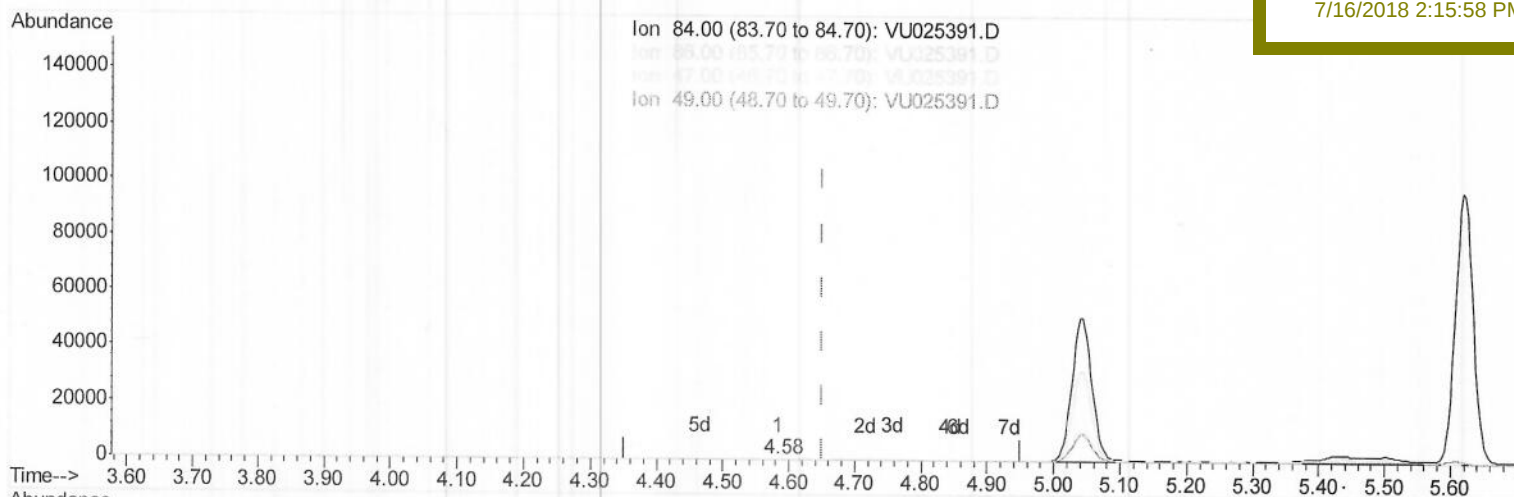
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
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Manual Integrations
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(24) Chloroform-d (S)

4.584min (-0.067) 0.01ug/L

response 42

Ion	Exp%	Act%
84.00	100	100
86.00	63.20	0.00#
47.00	46.10	257.14#
49.00	26.10	0.00#

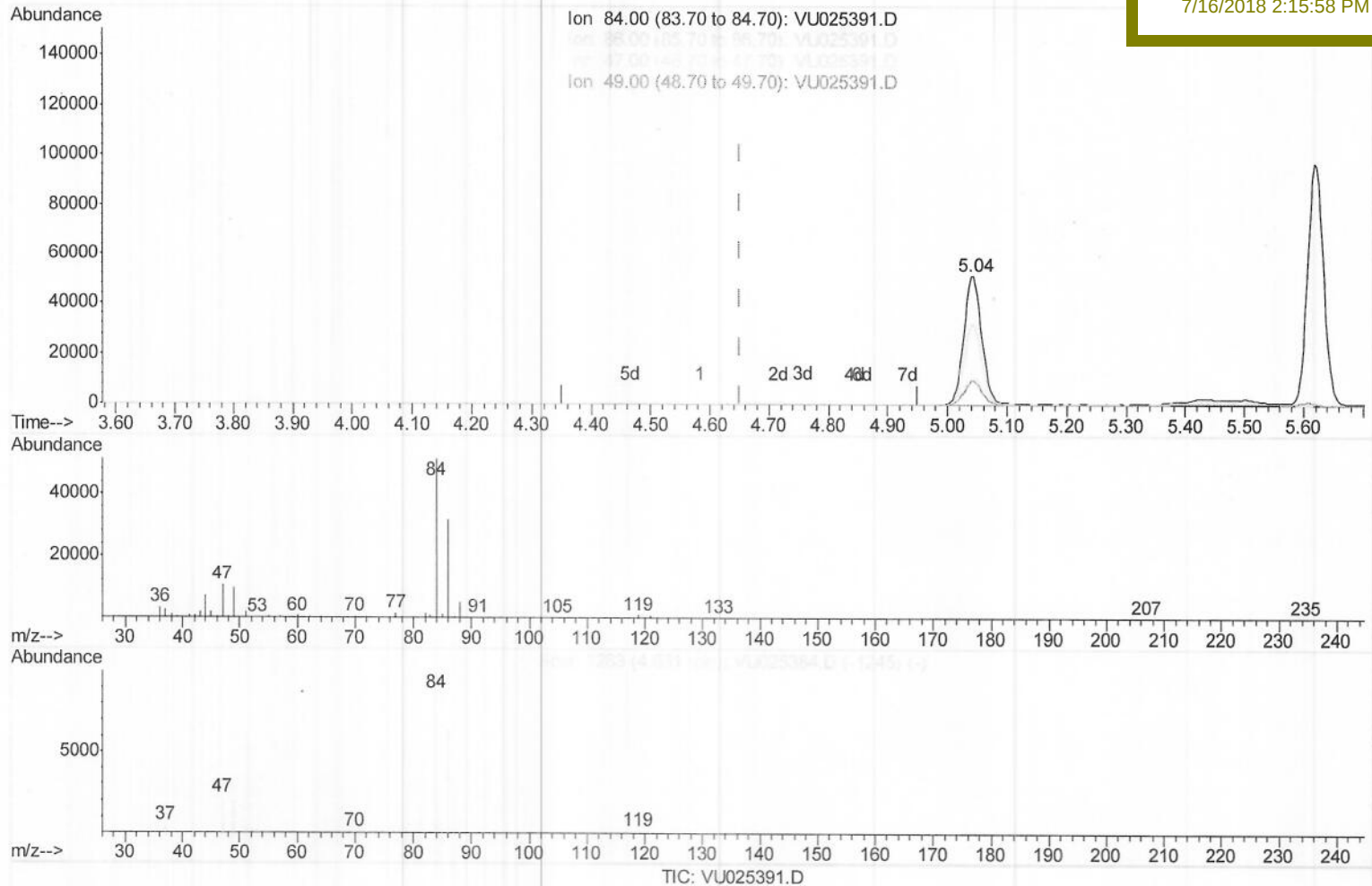
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
Data File : VU025391.D
Acq On : 13 Jul 2018 14:05
Operator : MD/SY
Sample : J3937-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 13 15:50:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis
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Manual Integrations
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(24) Chloroform-d (S)

5.040min (+0.389) 34.16ug/L m

response 107466

Ion Exp% Act%

84.00 100 100

86.00 63.20 0.00#

47.00 46.10 0.10#

49.00 26.10 0.00#

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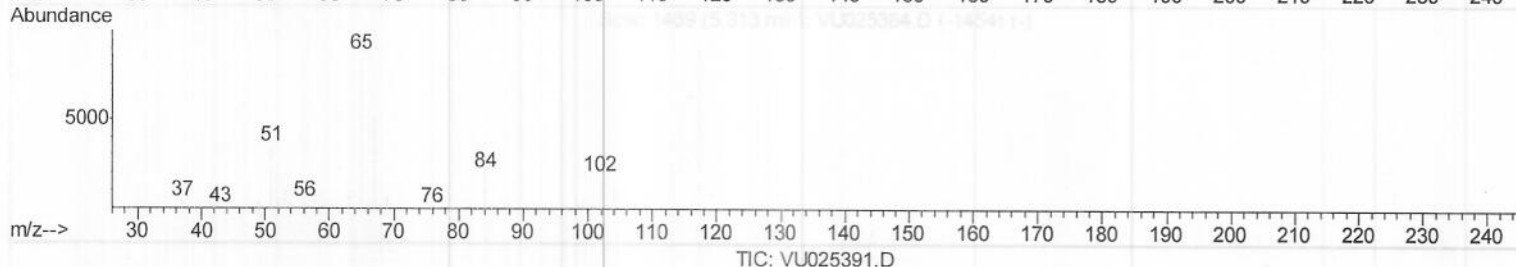
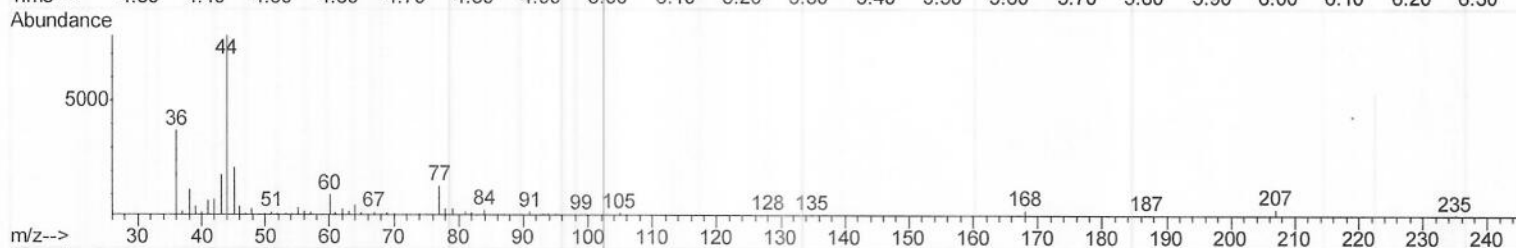
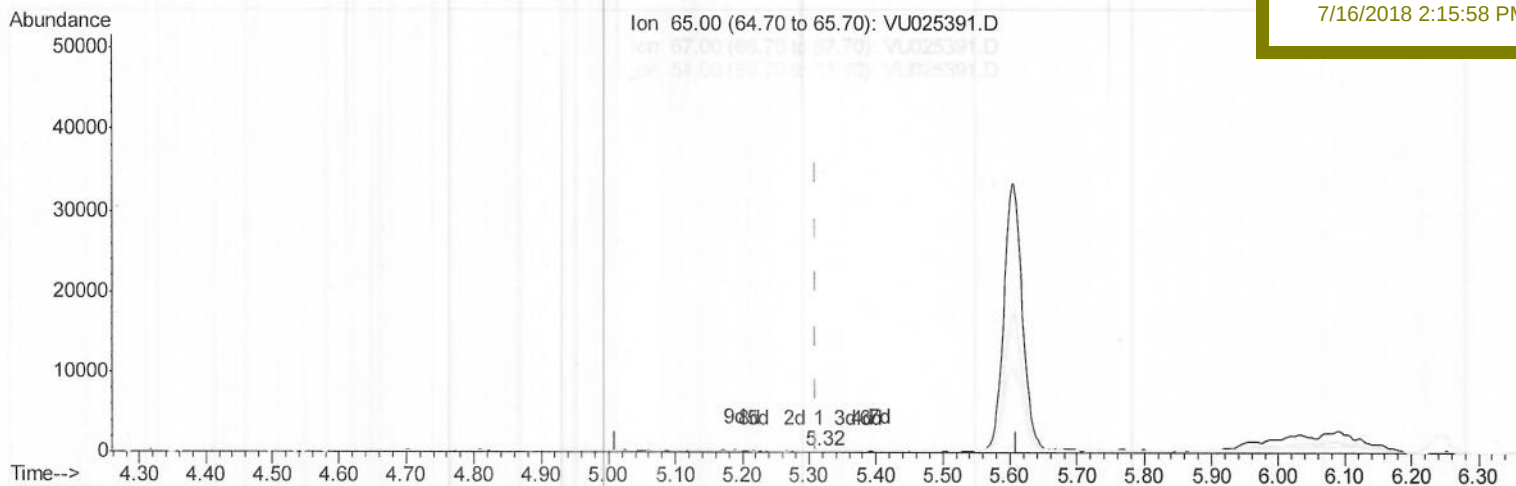
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
Data File : VU025391.D
Acq On : 13 Jul 2018 14:05
Operator : MD/SY
Sample : J3937-08
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ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 13 15:50:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis
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ClientSampleId :
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Manual Integrations
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(26) 1,2-Dichloroethane-d4 (S)

5.317min (+0.007) 0.03ug/L

response 56

Ion	Exp%	Act%
65.00	100	100
67.00	51.50	185.71#
51.00	33.20	55.36#
0.00	0.00	0.00

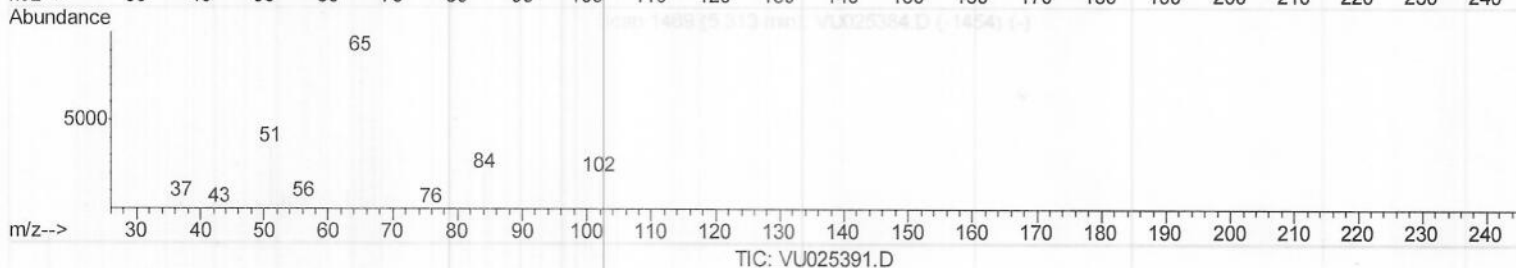
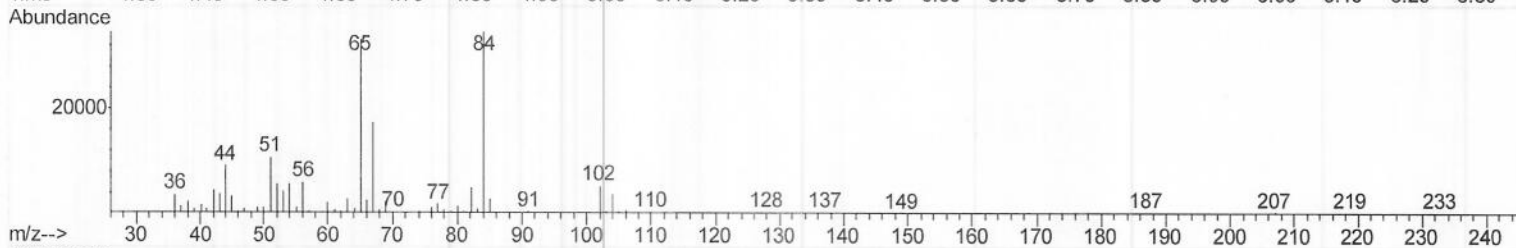
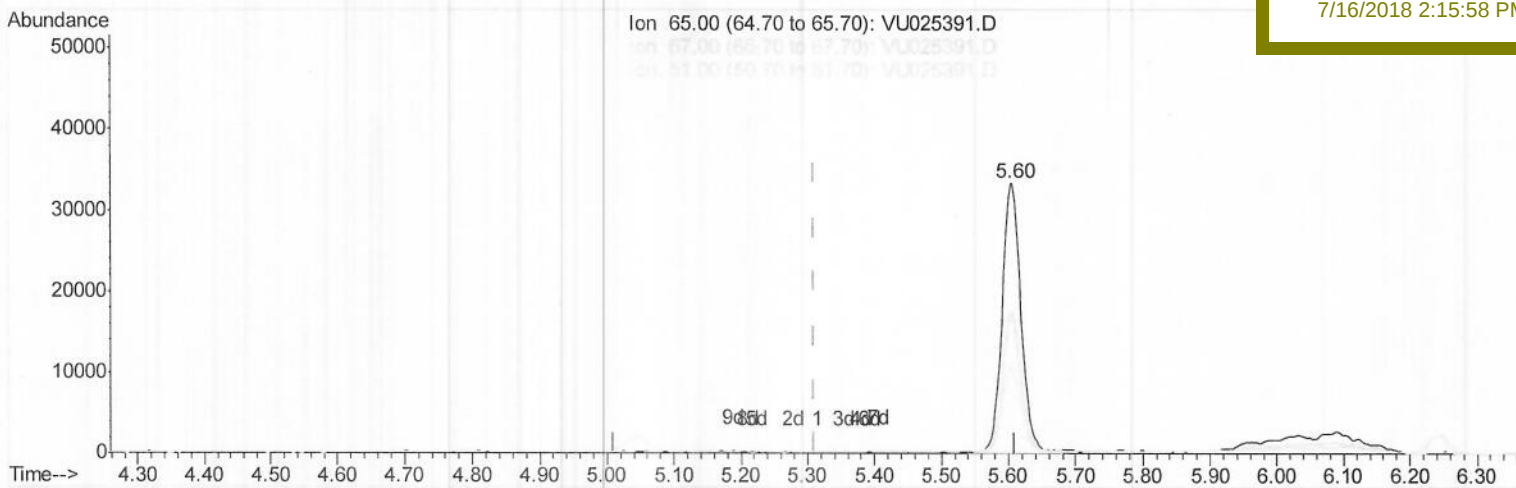
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
Data File : VU025391.D
Acq On : 13 Jul 2018 14:05
Operator : MD/SY
Sample : J3937-08
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 13 15:50:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jul 06 23:15:38 2018
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
BEMG6

Manual Integrations
APPROVED

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

5.603min (+0.293) 29.30ug/L m

response 65341

Ion Exp% Act%

65.00 100 100

67.00 51.50 0.16#

51.00 33.20 0.05#

0.00 0.00 0.00

MP
07/23/18

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071318\
 Data File : VU025391.D
 Acq On : 13 Jul 2018 14:05
 Operator : MD/SY
 Sample : J3937-08
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BEMG6

Quant Time: Jul 13 16:20:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM062918WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 06 23:15:38 2018
 Response via : Initial Calibration

Manual Integrations
 APPROVED

sam
 7/16/2018 2:15:58 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.24	114	245665m	50.00	ug/L	0.35
28) Chlorobenzene-d5	9.18	117	267489m	50.00	ug/L	0.09
60) 1,4-Dichlorobenzene-d4	11.51	152	119713	50.00	ug/L	0.02
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.55	65	75495	51.41	ug/L	0.15
Spiked Amount 50.000	Range 60 - 135		Recovery =	102.82%		
7) Chloroethane-d5	1.98	69	59741	49.32	ug/L	0.31
Spiked Amount 50.000	Range 70 - 130		Recovery =	98.64%		
11) 1,1-Dichloroethene-d2	2.73	63	112230m	35.04	ug/L	0.45
Spiked Amount 50.000	Range 60 - 125		Recovery =	70.08%		
21) 2-Butanone-d5	4.72	46	114768m	93.50	ug/L	0.54
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.50%		
24) Chloroform-d	5.04	84	107466m	34.16	ug/L	0.39
Spiked Amount 50.000	Range 70 - 125		Recovery =	68.32%#		
26) 1,2-Dichloroethane-d4	5.60	65	65341m	29.30	ug/L	0.29
Spiked Amount 50.000	Range 70 - 125		Recovery =	58.60%#		
32) Benzene-d6	5.62	84	182266m	24.83	ug/L	0.27
Spiked Amount 50.000	Range 70 - 125		Recovery =	49.66%#		
36) 1,2-Dichloropropane-d6	6.64	67	79323m	33.93	ug/L	0.31
Spiked Amount 50.000	Range 70 - 120		Recovery =	67.86%#		
41) Toluene-d8	7.75	98	254365	35.42	ug/L	0.18
Spiked Amount 50.000	Range 80 - 120		Recovery =	70.84%#		
43) trans-1,3-Dichloropropene-	8.01	79	37515	32.01	ug/L	0.16
Spiked Amount 50.000	Range 60 - 125		Recovery =	64.02%		
47) 2-Hexanone-d5	8.44	63	94936	88.98	ug/L	0.13
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.98%		
57) 1,1,2,2-Tetrachloroethane-	10.47	84	142001	42.87	ug/L	0.04
Spiked Amount 50.000	Range 65 - 120		Recovery =	85.74%		
64) 1,2-Dichlorobenzene-d4	11.89	152	116871	44.80	ug/L	0.02
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.60%		
Target Compounds						
3) Chloromethane	1.46	50	13519	7.342	ug/L	97

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

MD
 07/23/18