

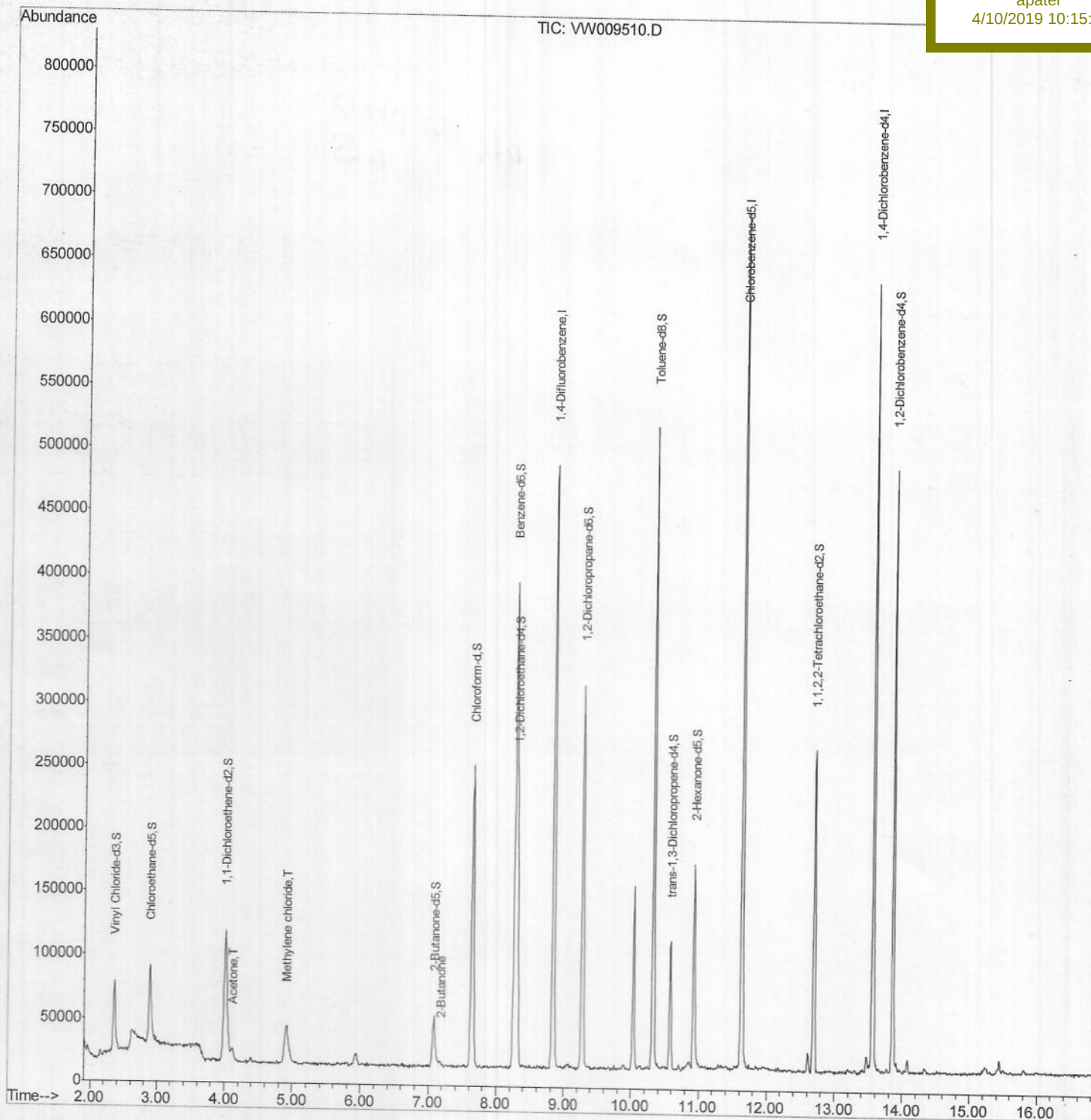
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\
Data File : VW009510.D
Acq On : 27 Mar 2019 18:29
Operator : SY/VA
Sample : K2065-17
Misc : 5.43G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 07:31:29 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 04:55:04 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
Client Sampled :
BFC99

Manual Integrations
APPROVED

apatel
4/10/2019 10:15:47 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\

Data File : VW009510.D

Acq On : 27 Mar 2019 18:29

Operator : SY/VA

Sample : K2065-17

Misc : 5.43G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 05:01:49 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 28 04:55:04 2019

Response via : Initial Calibration

Instrument :

MSVOA_W

ClientSampleId :

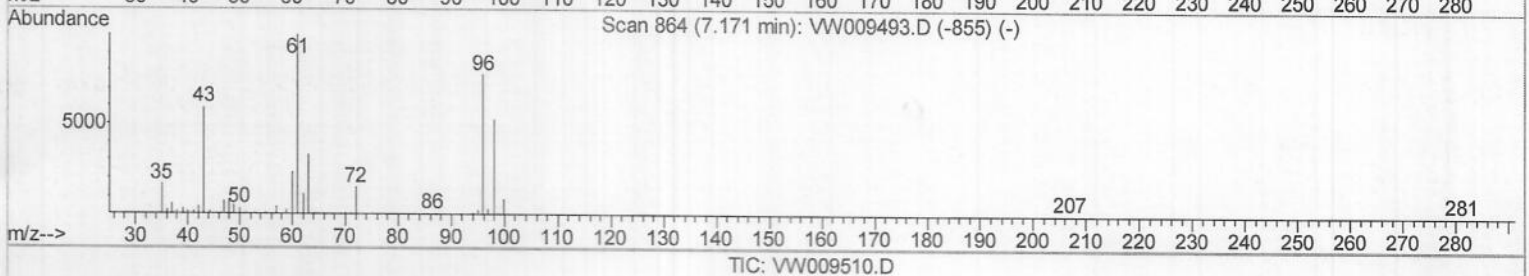
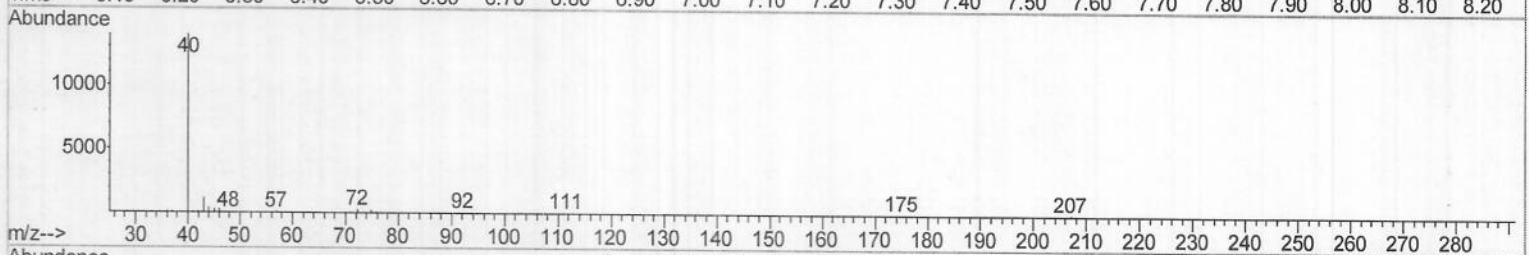
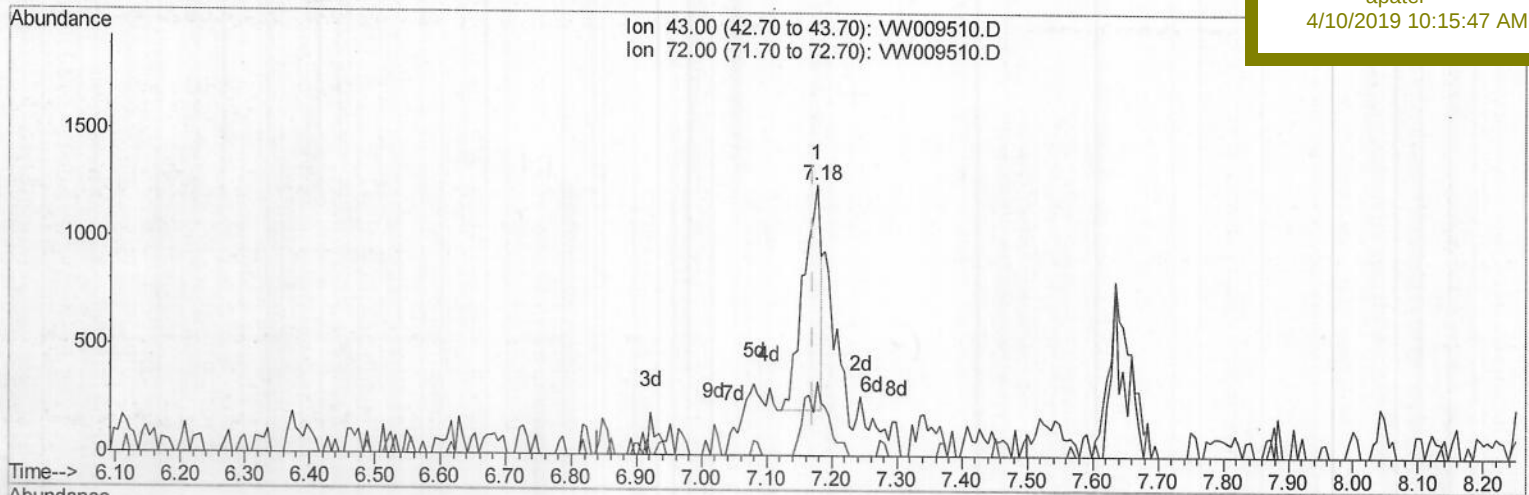
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Manual Integrations

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(21) 2-Butanone

7.177min (+0.006) 0.94ug/L

response 1948

Ion	Exp%	Act%
43.00	100	100
72.00	26.10	22.95
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

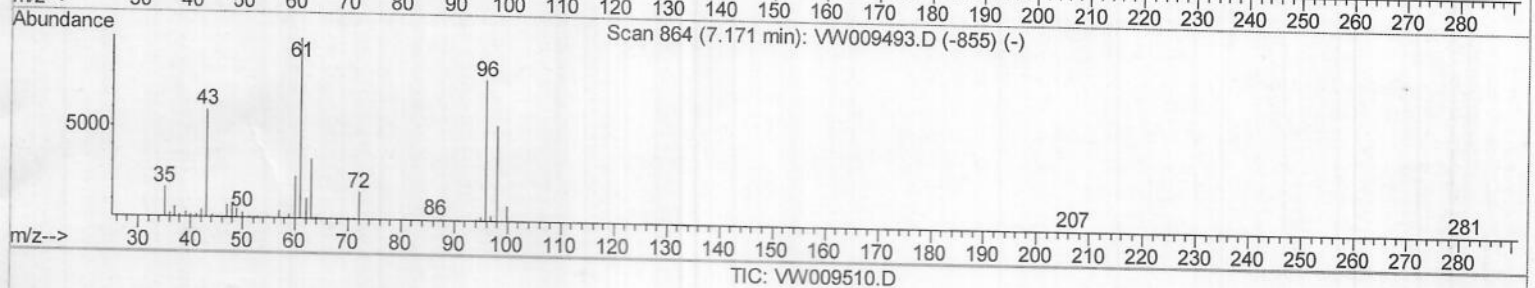
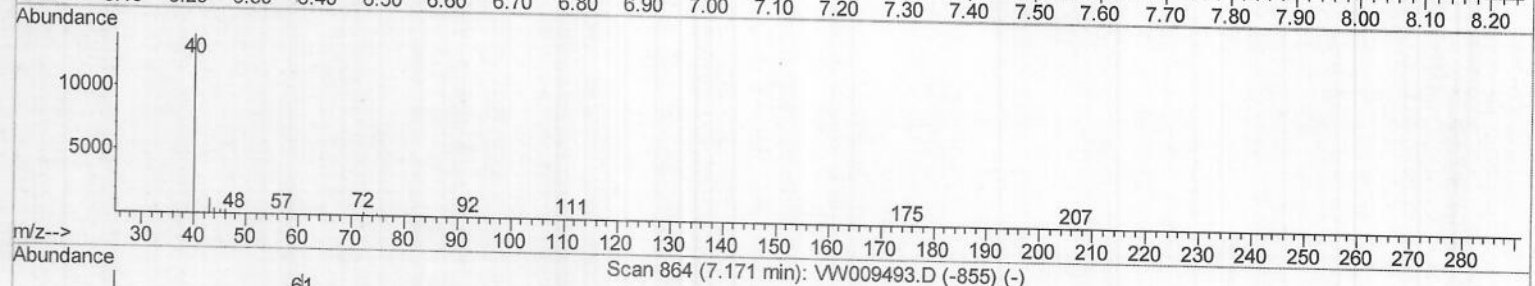
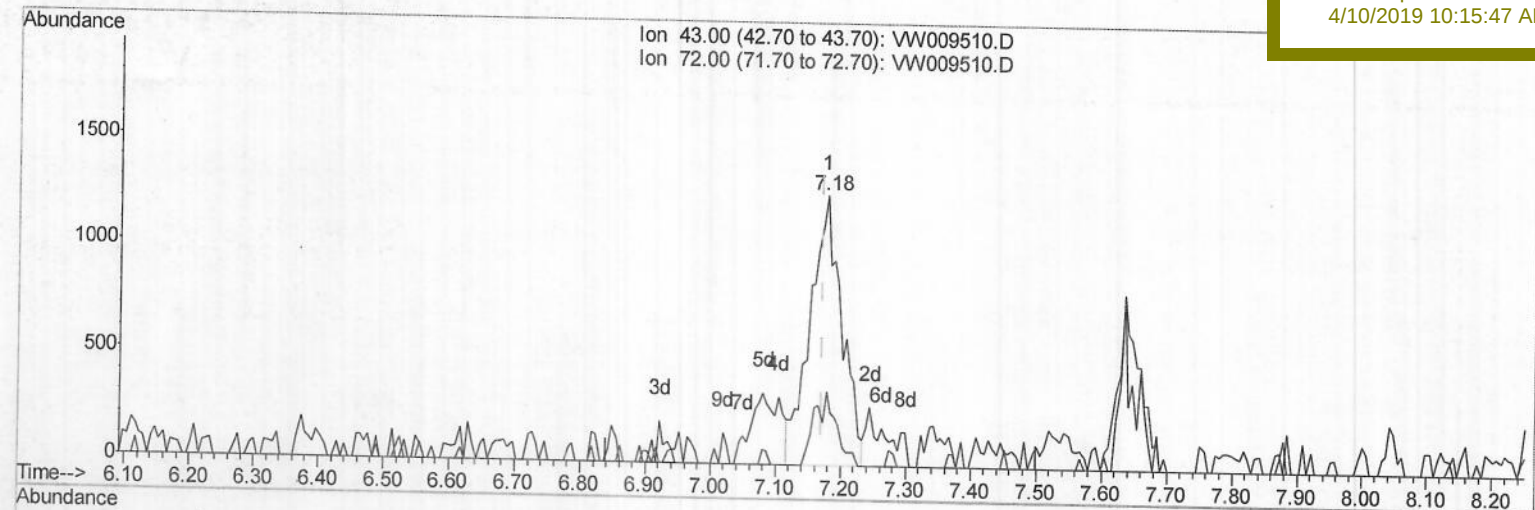
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 Data File : VW009510.D
 Acq On : 27 Mar 2019 18:29
 Operator : SY/VA
 Sample : K2065-17
 Misc : 5.43G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
ClientSampled :
 BFC99

Quant Time: Mar 28 05:01:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 04:55:04 2019
 Response via : Initial Calibration

Manual Integrations
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 4/10/2019 10:15:47 AM



(21) 2-Butanone

7.177min (+0.006) 2.04ug/L m

response 4225

Ion	Exp%	Act%
43.00	100	100
72.00	26.10	10.58#
0.00	0.00	0.00
0.00	0.00	0.00

M.D
04/06/19

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\

Data File : VW009510.D

Acq On : 27 Mar 2019 18:29

Operator : SY/VA

Sample : K2065-17

Misc : 5.43G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 05:01:49 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 28 04:55:04 2019

Response via : Initial Calibration

Instrument :

MSVOA_W

ClientSampled :

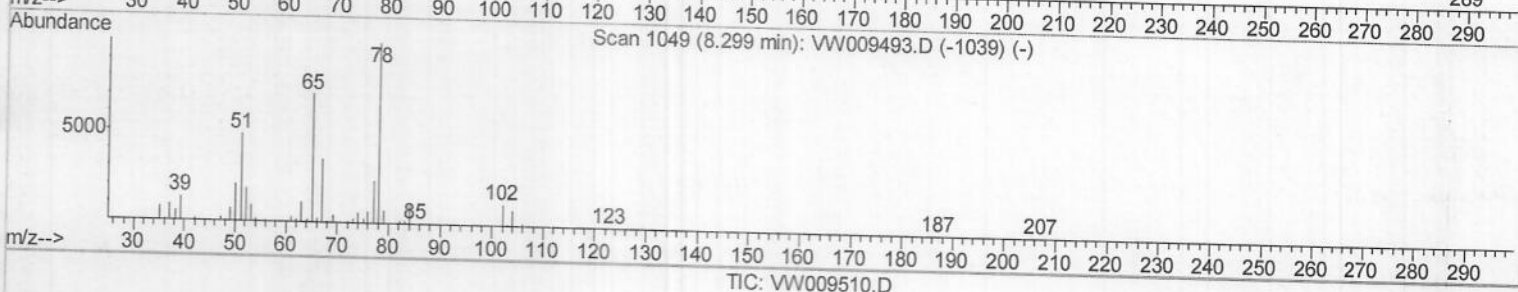
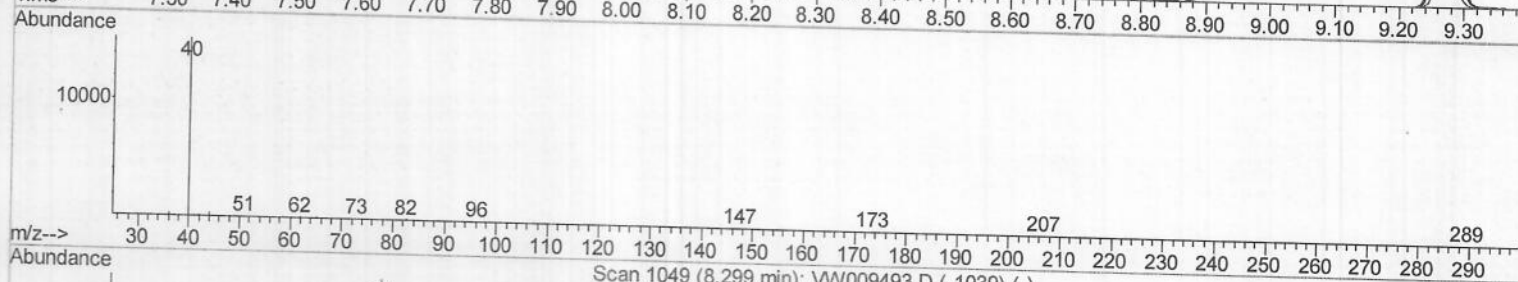
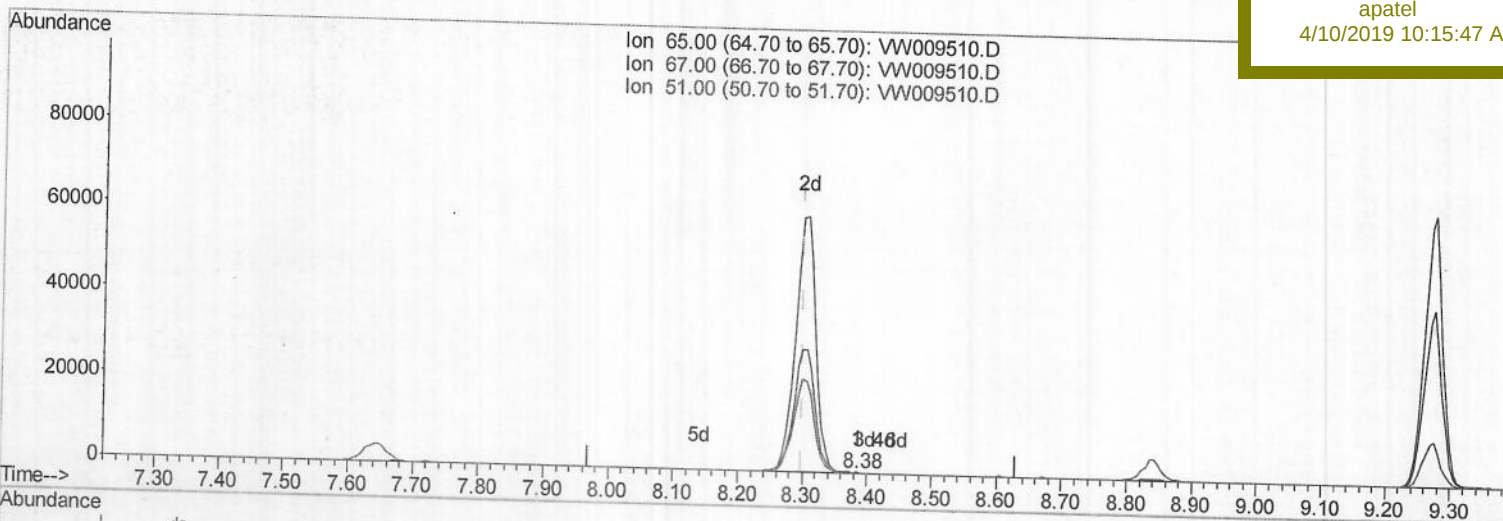
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Manual Integrations

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4/10/2019 10:15:47 AM



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

8.384min (+0.085) 0.02ug/L

response 106

Ion	Exp%	Act%
65.00	100	100
67.00	50.80	50.00
51.00	97.70	68.87
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\
Data File : VW009510.D

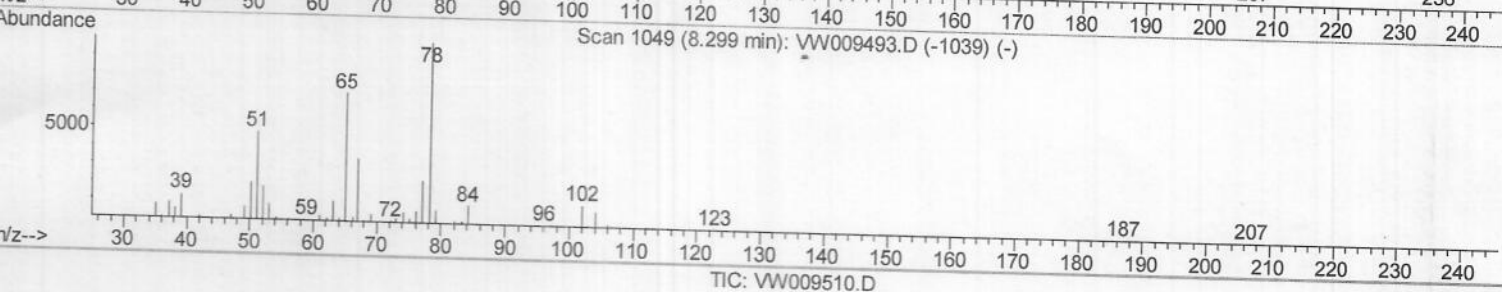
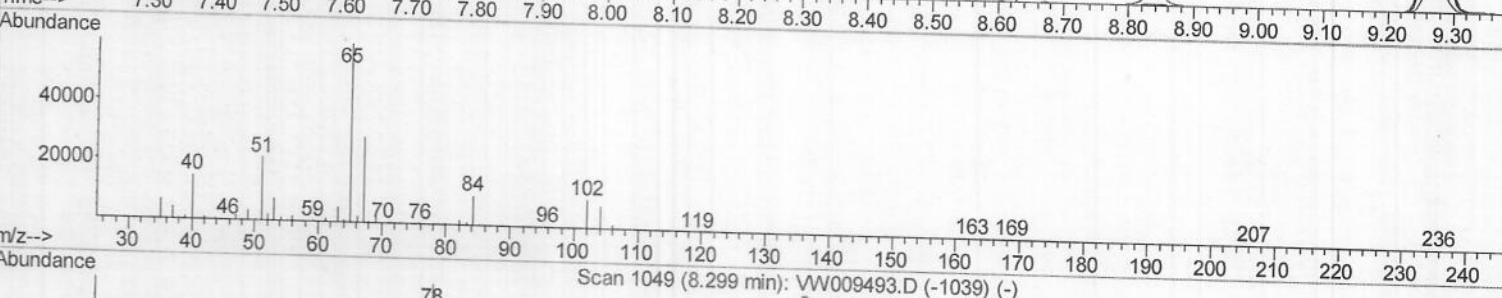
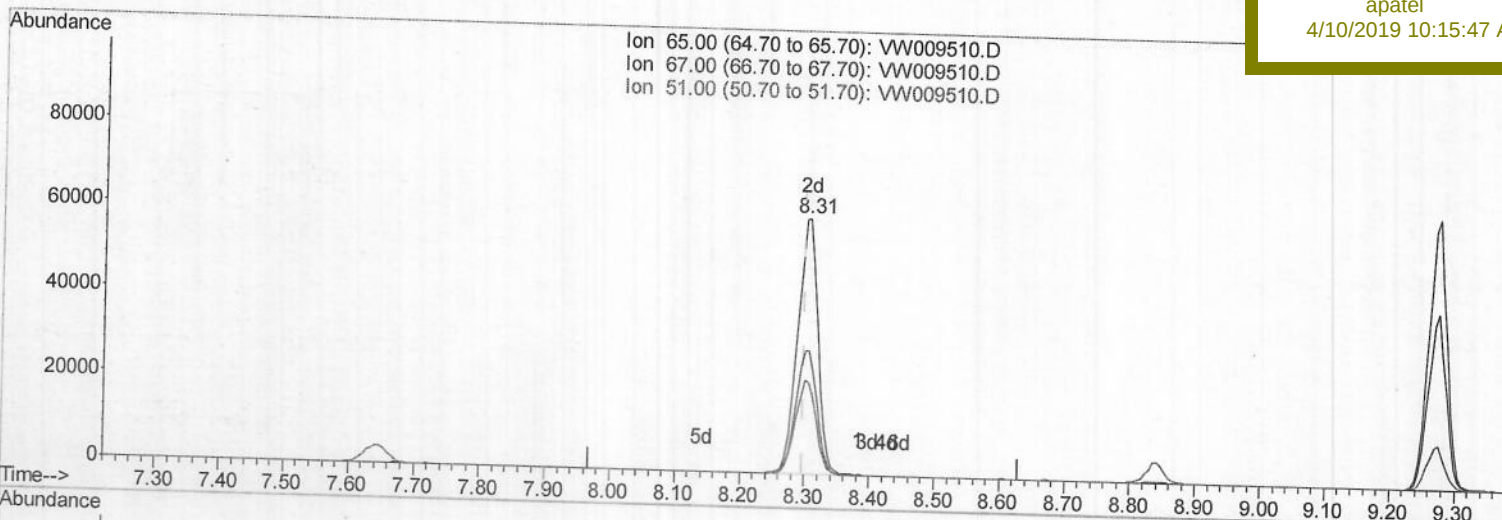
Acq On : 27 Mar 2019 18:29
Operator : SY/VA
Sample : K2065-17
Misc : 5.43G/10ML/MSVOA W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 05:01:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 04:55:04 2019
Response via : Initial Calibration

Instrument :
MSVOA_W
ClientSampled :
BFC99

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

8.305min (+0.006) 21.21ug/L m

response 129108

Ion	Exp%	Act%
65.00	100	100
67.00	50.80	0.04#
51.00	97.70	0.06#
0.00	0.00	0.00

M.P
04/06/19

Quantitation Report (Qedit)

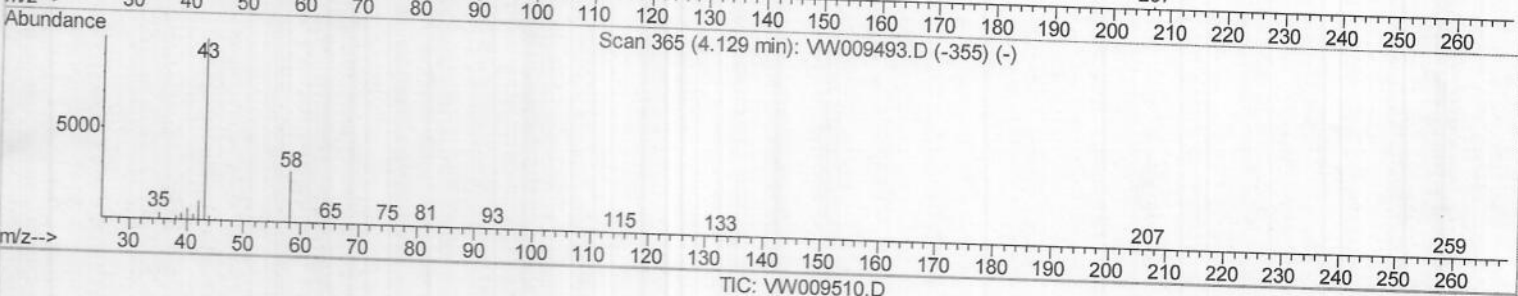
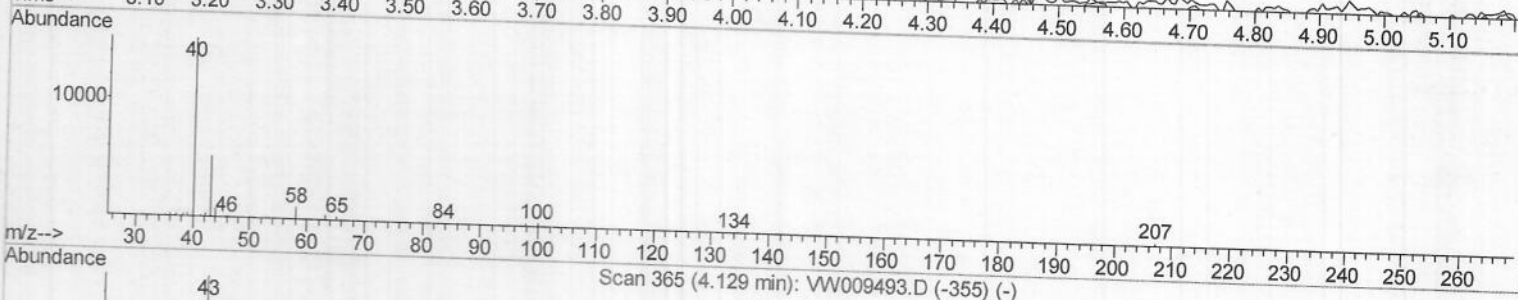
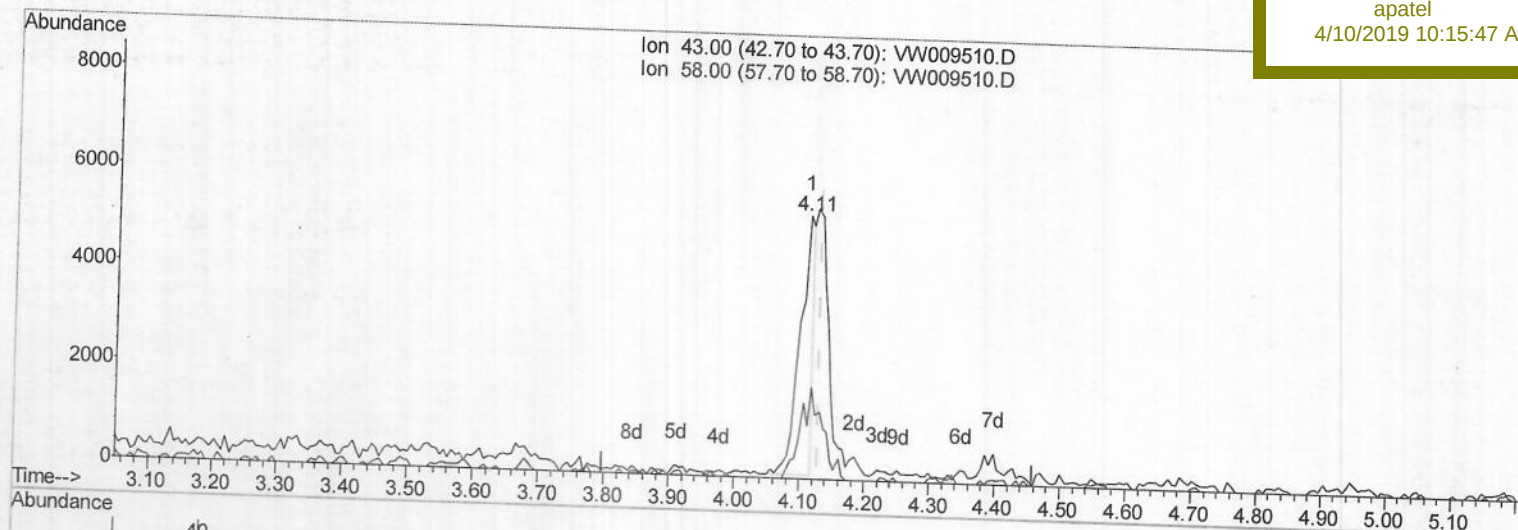
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\
 Data File : VW009510.D
 Acq On : 27 Mar 2019 18:29
 Operator : SY/VA
 Sample : K2065-17
 Misc : 5.43G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 BFC99

Manual Integrations
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Quant Time: Mar 28 05:01:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 04:55:04 2019
 Response via : Initial Calibration



(13) Acetone (T)

4.111min (-0.018) 5.05ug/L

response 7572

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	54.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

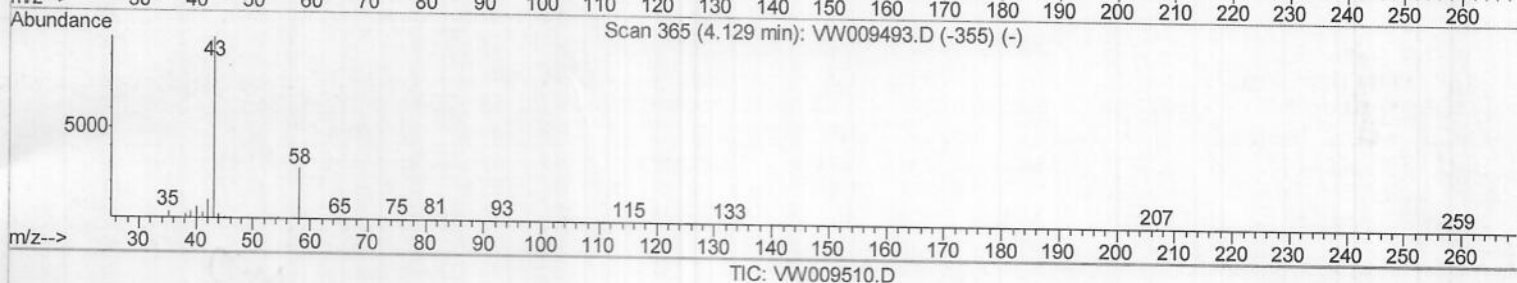
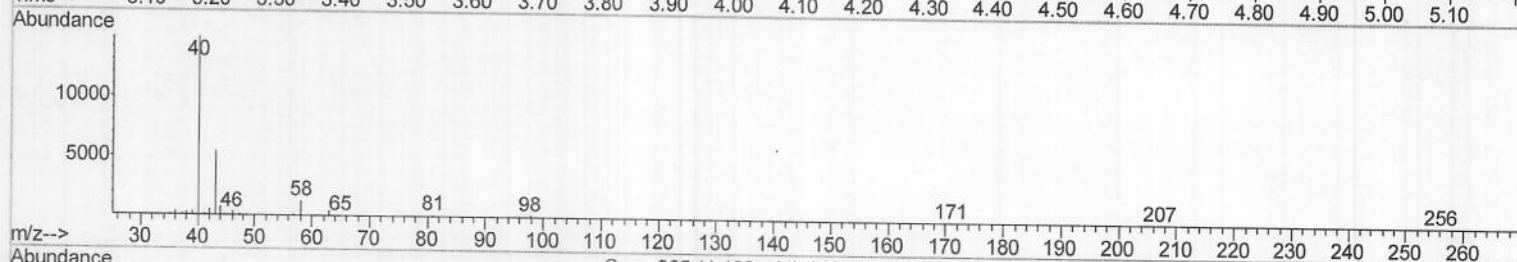
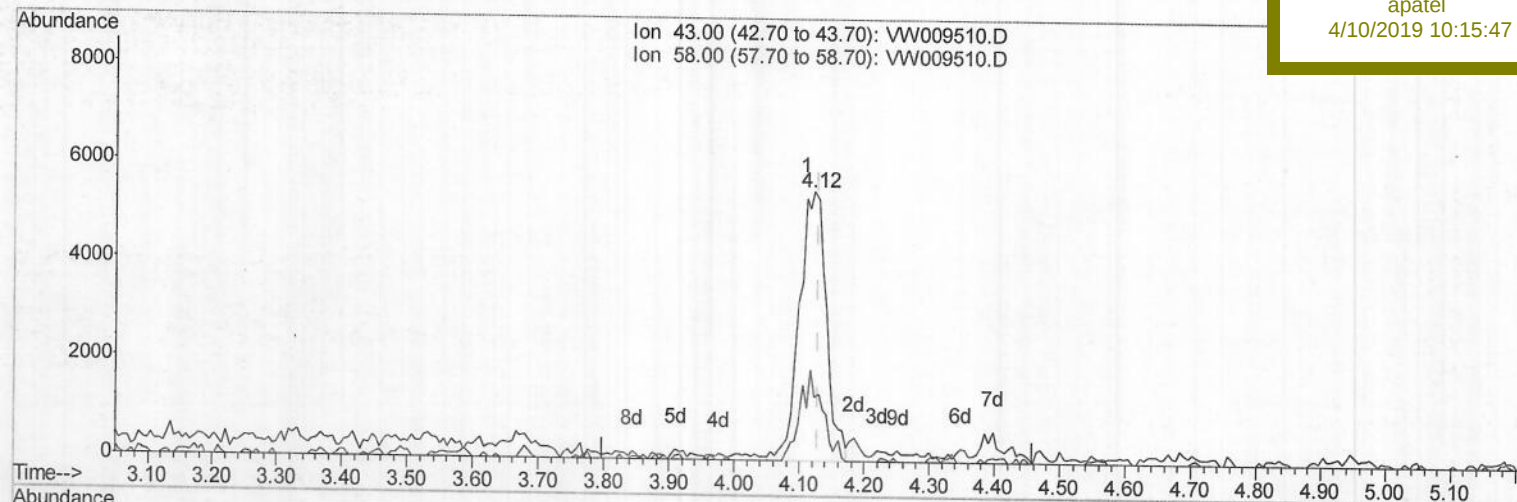
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 Data File : VW009510.D
 Acq On : 27 Mar 2019 18:29
 Operator : SY/VA
 Sample : K2065-17
 Misc : 5.43G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 05:01:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Mar 28 04:55:04 2019
 Response via : Initial Calibration

Instrument :
 MSVOA_W
 ClientSampled :
 BFC99

Manual Integrations
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 4/10/2019 10:15:47 AM



(13) Acetone (T)

4.123min (-0.006) 10.49ug/L m

response 15739

Ion	Exp%	Act%
43.00	100	100
58.00	28.10	26.25
0.00	0.00	0.00
0.00	0.00	0.00

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04/06/19

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\

Data File : VW009510.D

Acq On : 27 Mar 2019 18:29

Operator : SY/VA

Sample : K2065-17

Misc : 5.43G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 05:01:49 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 28 04:55:04 2019

Response via : Initial Calibration

Instrument :

MSVOA_W

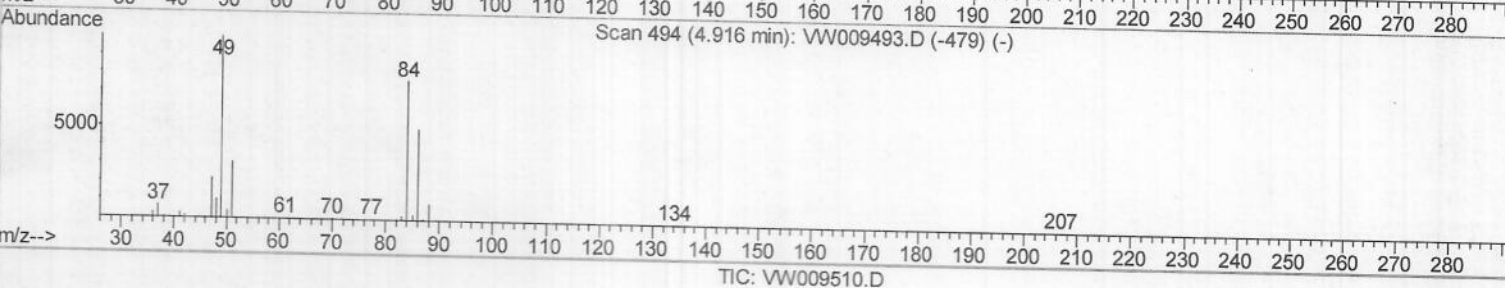
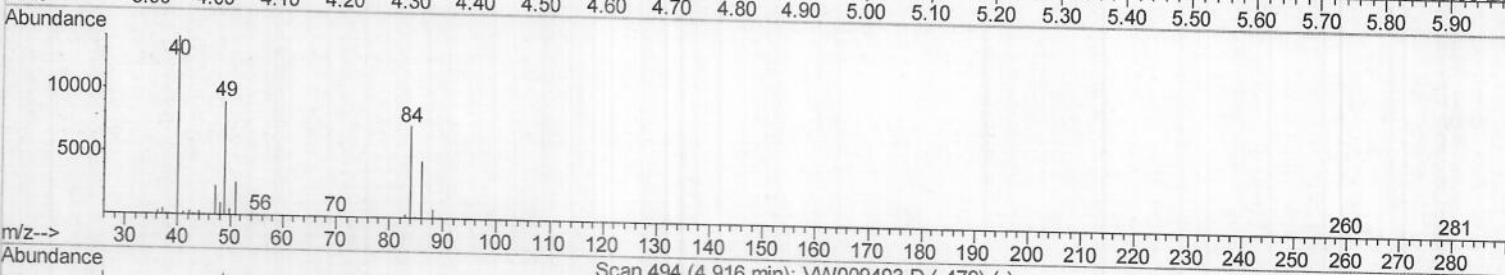
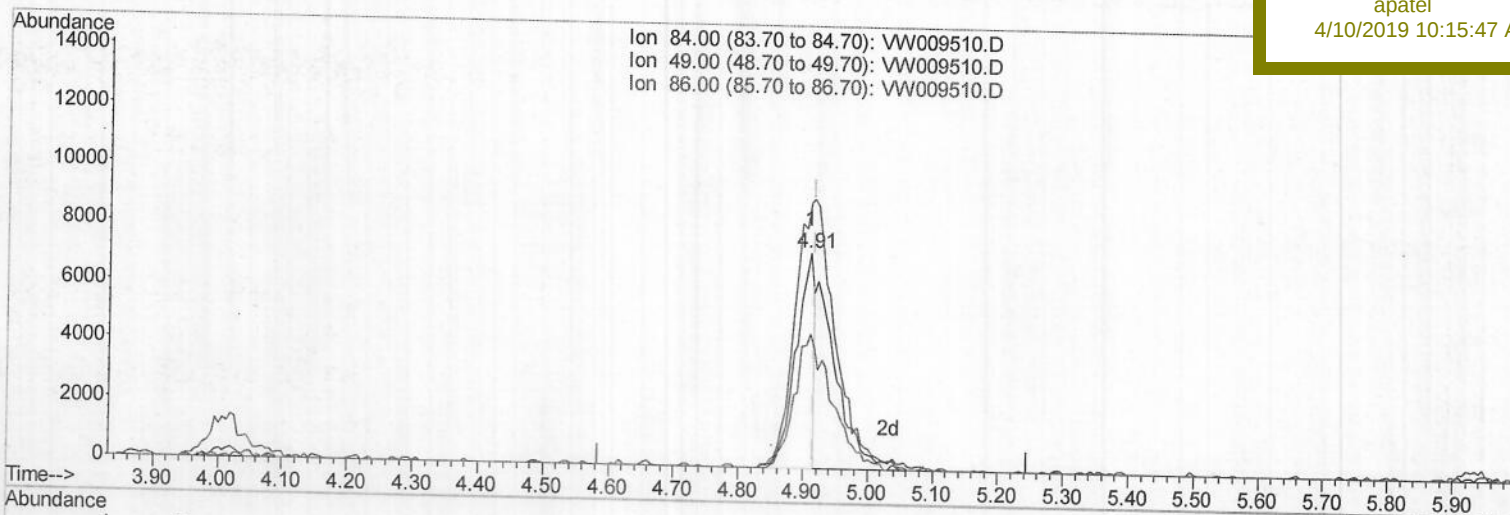
ClientSampled :

BFC99

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(16) Methylene chloride (T)

4.909min (-0.006) 2.66ug/L

response 14357

Ion	Exp%	Act%
84.00	100	100
49.00	137.10	122.99
86.00	63.50	61.99
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\

Data File : VW009510.D

Acq On : 27 Mar 2019 18:29

Operator : SY/VA

Sample : K2065-17

Misc : 5.43G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 05:01:49 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 28 04:55:04 2019

Response via : Initial Calibration

Instrument :

MSVOA_W

ClientSampleId :

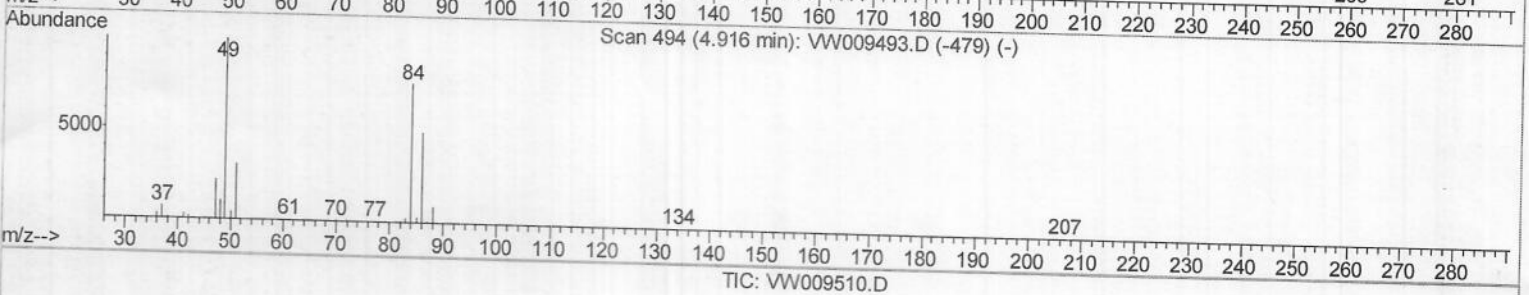
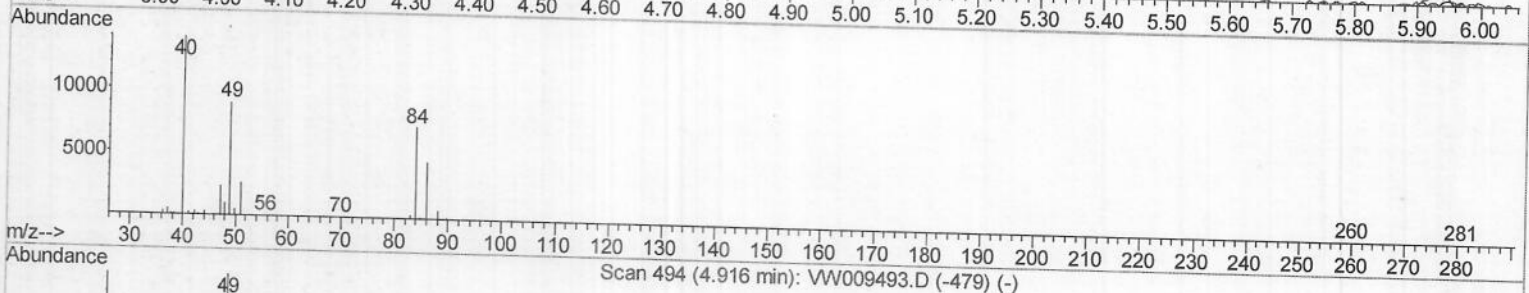
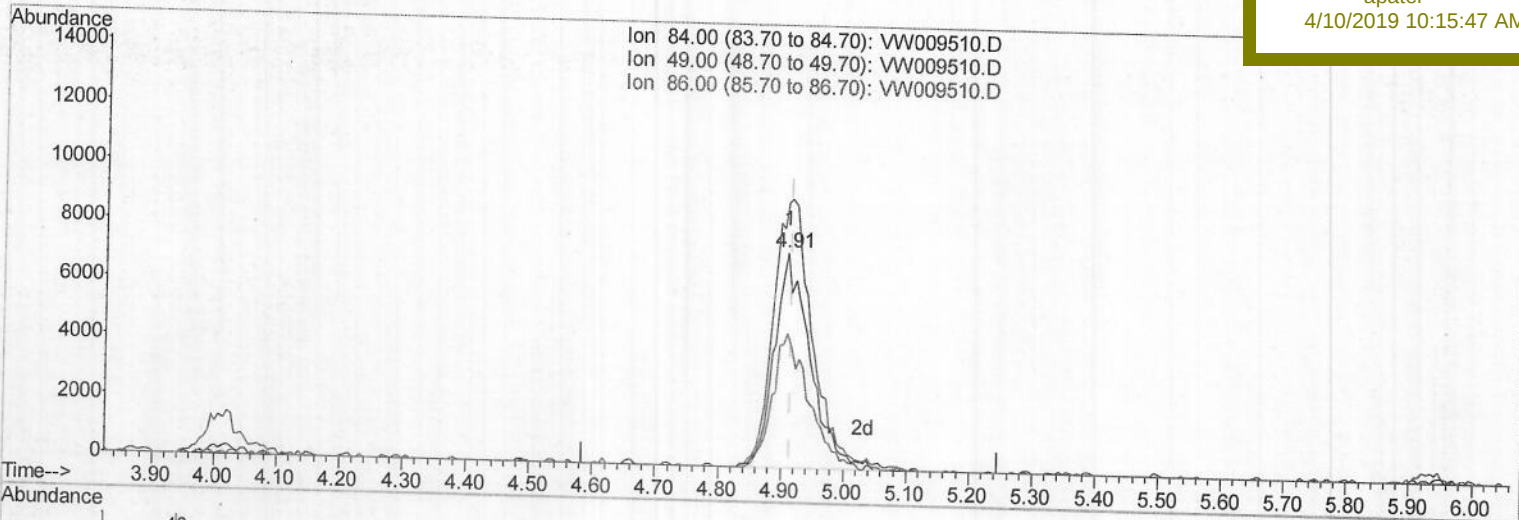
BFC99

Manual Integrations

APPROVED

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4/10/2019 10:15:47 AM



(16) Methylene chloride (T)

4.909min (-0.006) 5.37ug/L m

response 28988

Ion Exp% Act%

84.00 100 100

49.00 137.10 122.99

86.00 63.50 61.99

0.00 0.00 0.00

Handwritten: m.p. 04/06/19

Quantitation Report (Qedit)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\

Data File : VW009510.D

Acq On : 27 Mar 2019 18:29

Operator : SY/VA

Sample : K2065-17

Misc : 5.43G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 05:01:49 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 28 04:55:04 2019

Response via : Initial Calibration

Instrument :

MSVOA_W

ClientSampleId :

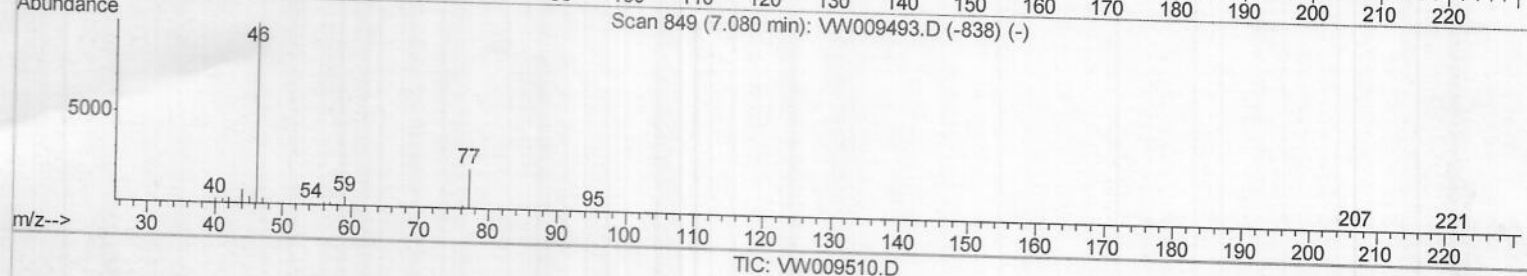
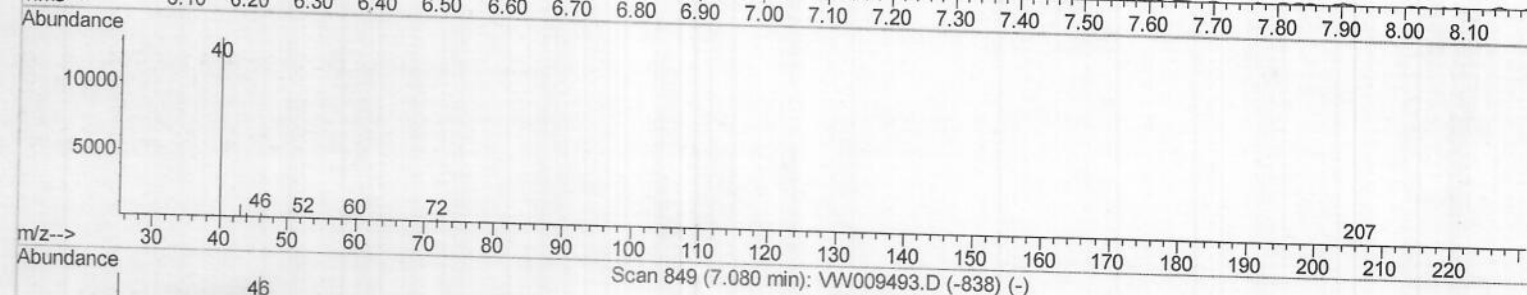
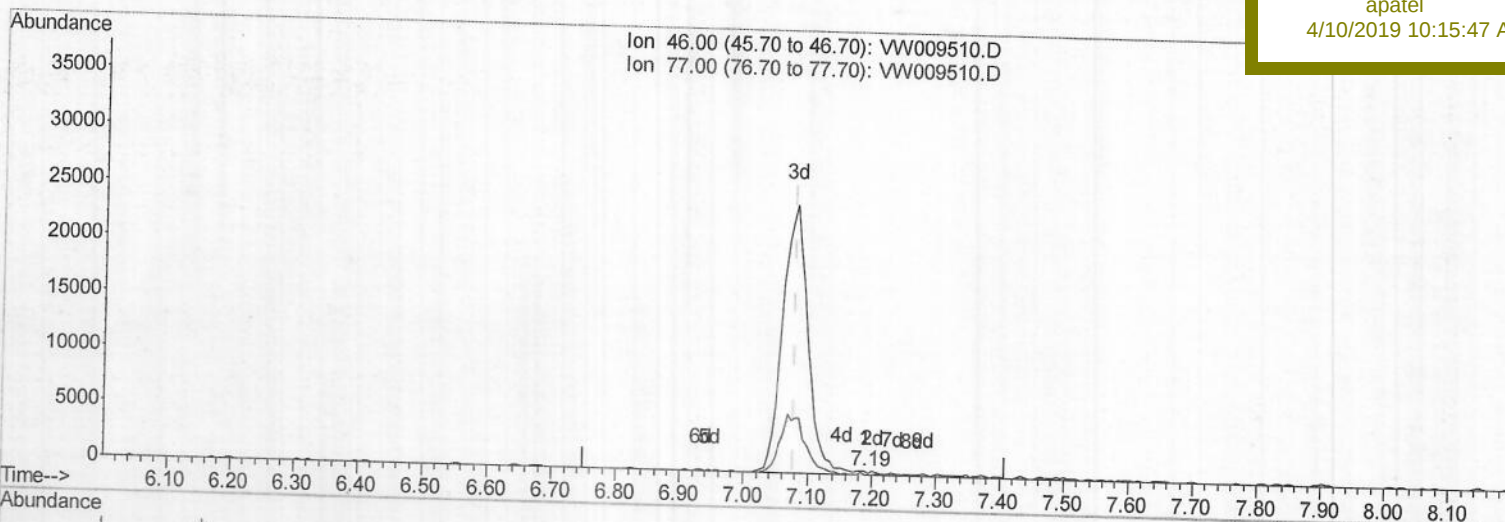
BFC99

Manual Integrations

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(20) 2-Butanone-d5 (S)

7.189min (+0.110) 0.22ug/L

response 403

Ion	Exp%	Act%
46.00	100	100
77.00	23.20	21.84
0.00	0.00	0.00
0.00	0.00	0.00

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Data File : VW009510.D

Acq On : 27 Mar 2019 18:29

Operator : SY/VA

Sample : K2065-17

Misc : 5.43G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 05:01:49 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 28 04:55:04 2019

Response via : Initial Calibration

Instrument :

MSVOA_W

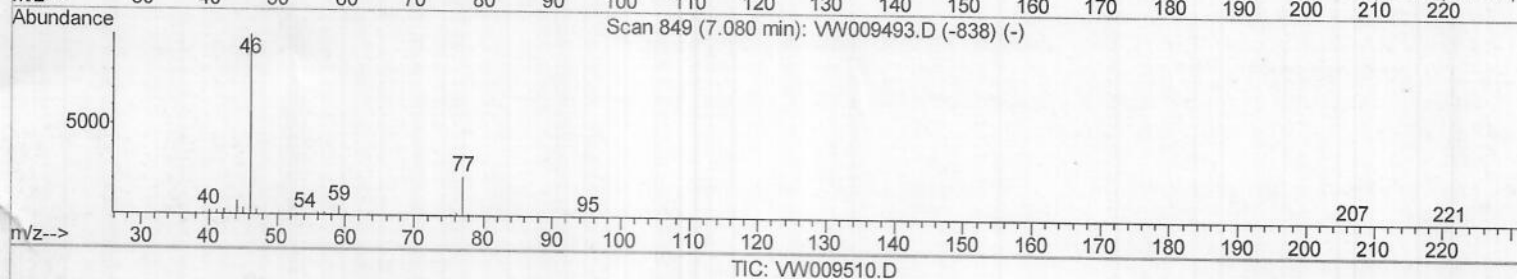
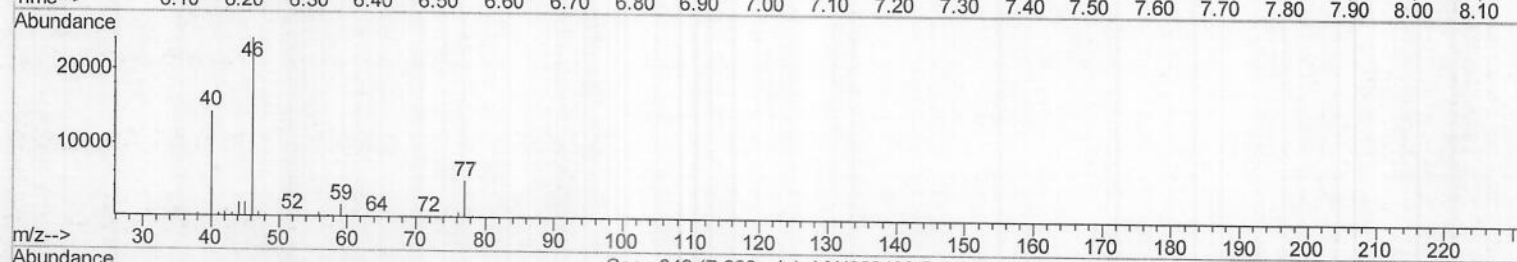
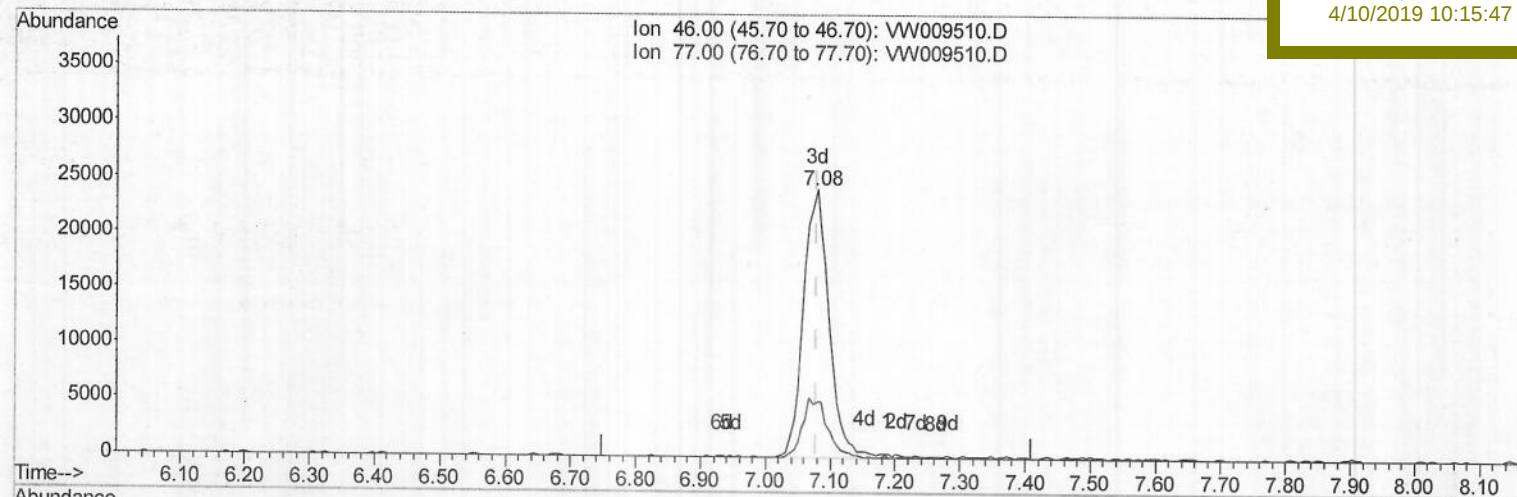
ClientSampleId :

BFC99

Manual Integrations
APPROVED

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4/10/2019 10:15:47 AM



(20) 2-Butanone-d5 (S)

7.080min (-0.000) 35.94ug/L m

response 65779

Ion	Exp%	Act%
46.00	100	100
77.00	23.20	0.13#
0.00	0.00	0.00
0.00	0.00	0.00

M.D
04/10/2019

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW032719\

Data File : VW009510.D

Acq On : 27 Mar 2019 18:29

Operator : SY/VA

Sample : K2065-17

Misc : 5.43G/10ML/MSVOA W/SOIL

ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 28 07:31:29 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM031419S.M

Quant Title : VOC Analysis

QLast Update : Thu Mar 28 04:55:04 2019

Response via : Initial Calibration

Instrument :
MSVOA_W
Client Sampled :
BFC99

Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	370338	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	346248	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	147816	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	74385	16.81	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	67.24%		
7) Chloroethane-d5	2.89	69	83869	16.20	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	64.80%		
10) 1,1-Dichloroethene-d2	4.01	63	122925	12.85	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	51.40%		
20) 2-Butanone-d5	7.08	46	65779m	35.94	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	71.88%		
24) Chloroform-d	7.64	84	214744	21.25	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	85.00%		
26) 1,2-Dichloroethane-d4	8.31	65	129108m	21.21	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	84.84%		
29) Benzene-d6	8.27	84	367677	19.25	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	77.00%		
33) 1,2-Dichloropropane-d6	9.27	67	121667	21.21	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	84.84%		
37) Toluene-d8	10.32	98	308906	17.50	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	70.00%		
38) trans-1,3-Dichloropropene	10.58	79	49078	17.04	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	68.16%		
39) 2-Hexanone-d5	10.93	63	41570	29.93	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	59.86%		
48) 1,1,2,2-Tetrachloroethane	12.69	84	111499	19.74	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	78.96%		
61) 1,2-Dichlorobenzene-d4	13.86	152	115625	20.40	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	81.60%		

Target Compounds

					Ovalue
13) Acetone	4.12	43	15739m	10.486	ug/L
16) Methylene chloride	4.91	84	28988m	5.368	ug/L
21) 2-Butanone	7.18	43	4225m	2.039	ug/L

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

M.D
04/10/2019