Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022619\

Quantitation Report (QT Reviewed)

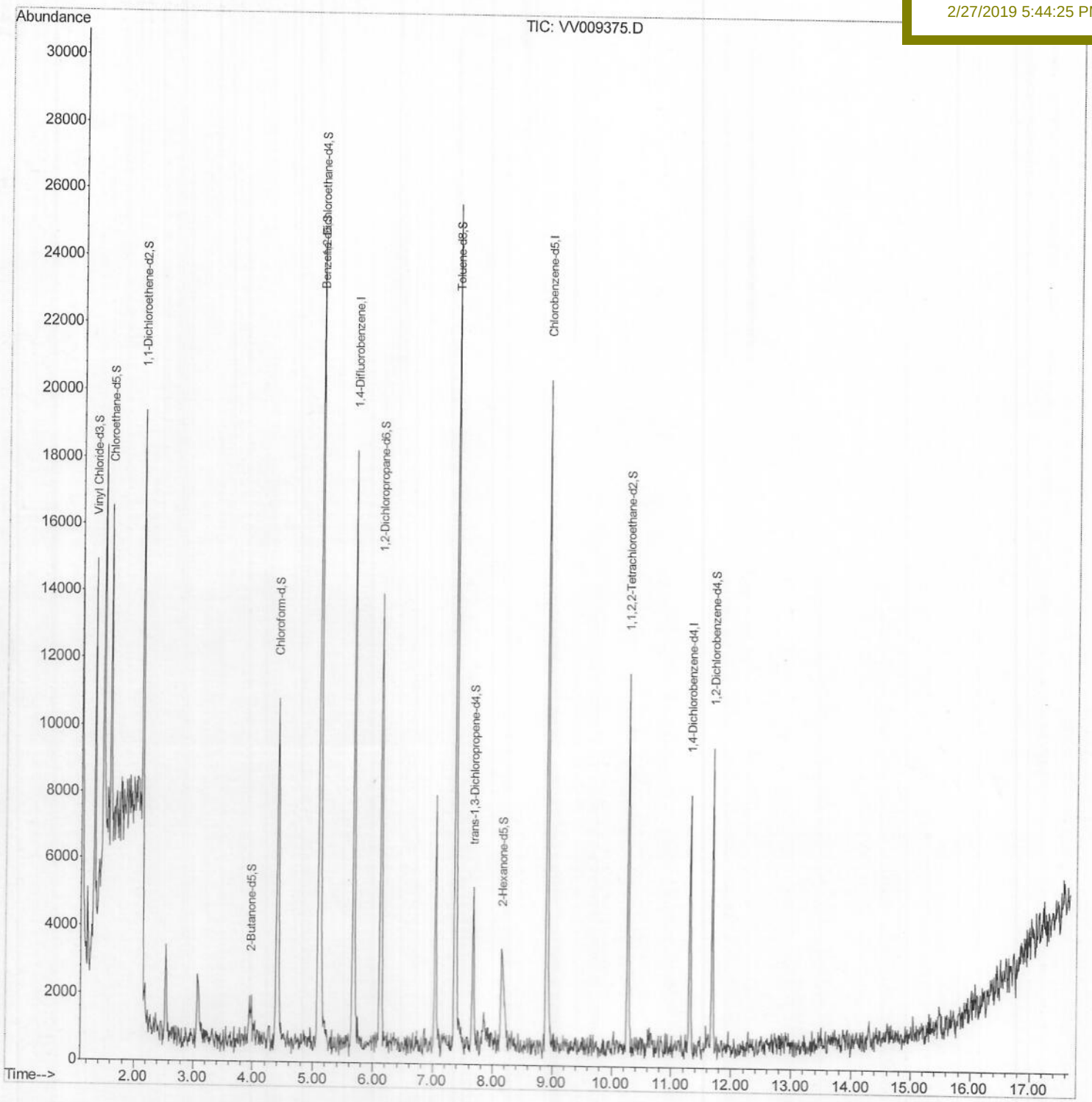
Data File : VV009375.D
Acq On : 26 Feb 2019 19:03
Operator : SY/MD
Sample : K1579-12RE

Misc : 6.96G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 06:05:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 27 04:43:55 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
DB609RE

Manual Integrations APPROVED
MMDadoda
2/27/2019 5:44:25 PM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022619\

Quantitation Report (Qedit)

Data File : VV009375.D
Acq On : 26 Feb 2019 19:03
Operator : SY/MD
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Misc : 6.96G/10ML/MSVOA_V/SOIL
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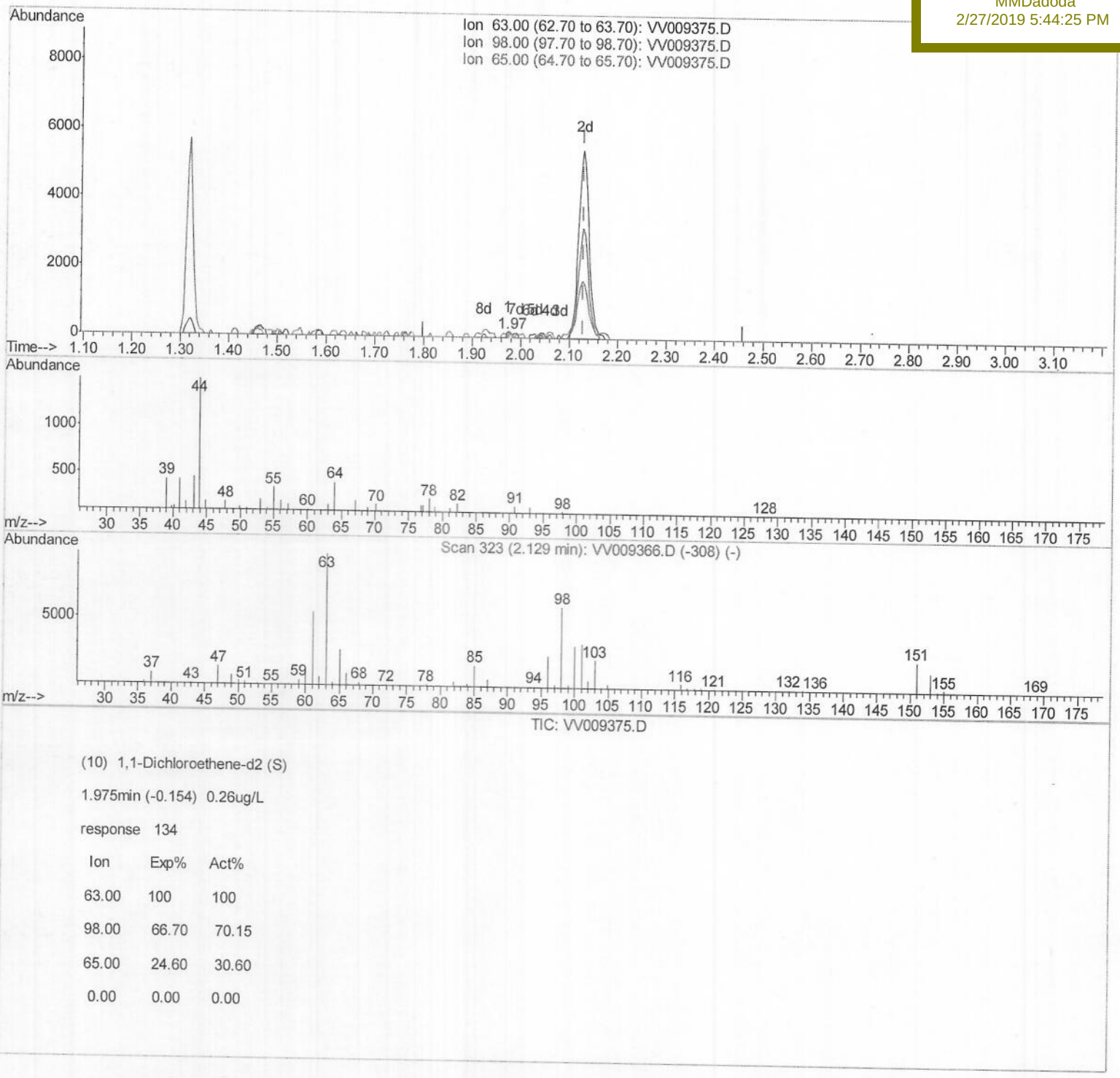

TIC: VV009375.D

(10) 1,1-Dichloroethene-d2 (S)

1.975min (-0.154) 0.26ug/L

response 134

Ion	Exp%	Act%
63.00	100	100
98.00	66.70	70.15
65.00	24.60	30.60
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022619\

Quantitation Report (Qedit)

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MSVOA_V
ClientSampleId :
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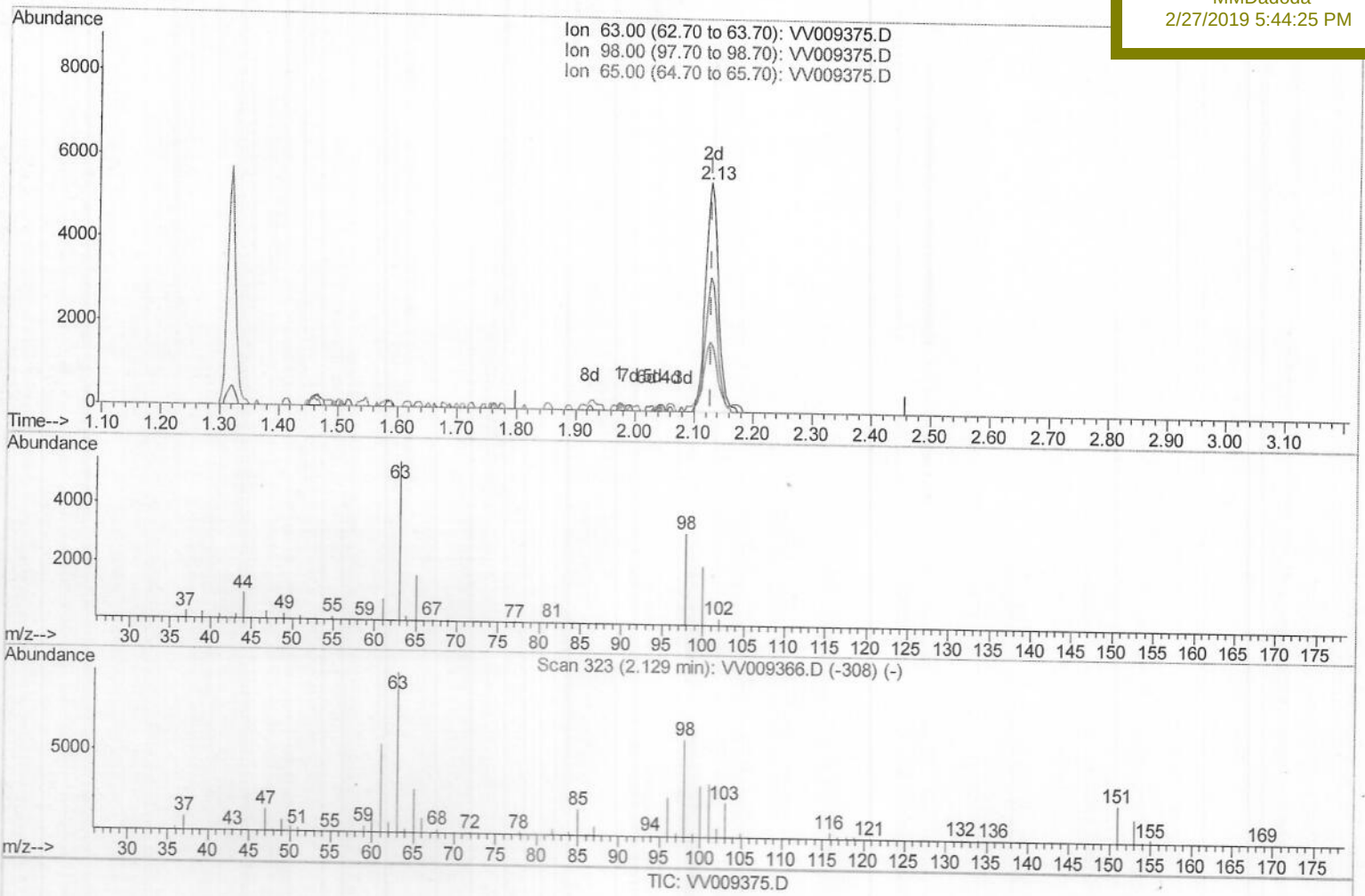
Manual Integrations APPROVED
MMDadoda
2/27/2019 5:44:25 PM



TIC: VV009375.D

(10) 1,1-Dichloroethene-d2 (S)

2.129min (+0.000) 15.84ug/L m

response 8191

M.D 03/02/19

Ion	Exp%	Act%
63.00	100	100
98.00	66.70	1.15#
65.00	24.60	0.50#
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022619\

Quantitation Report (Qedit)

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Acq On : 26 Feb 2019 19:03
Operator : SY/MD
Sample : K1579-12RE

Misc : 6.96G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 04:48:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis
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Instrument :
MSVOA_V
ClientSampleId :
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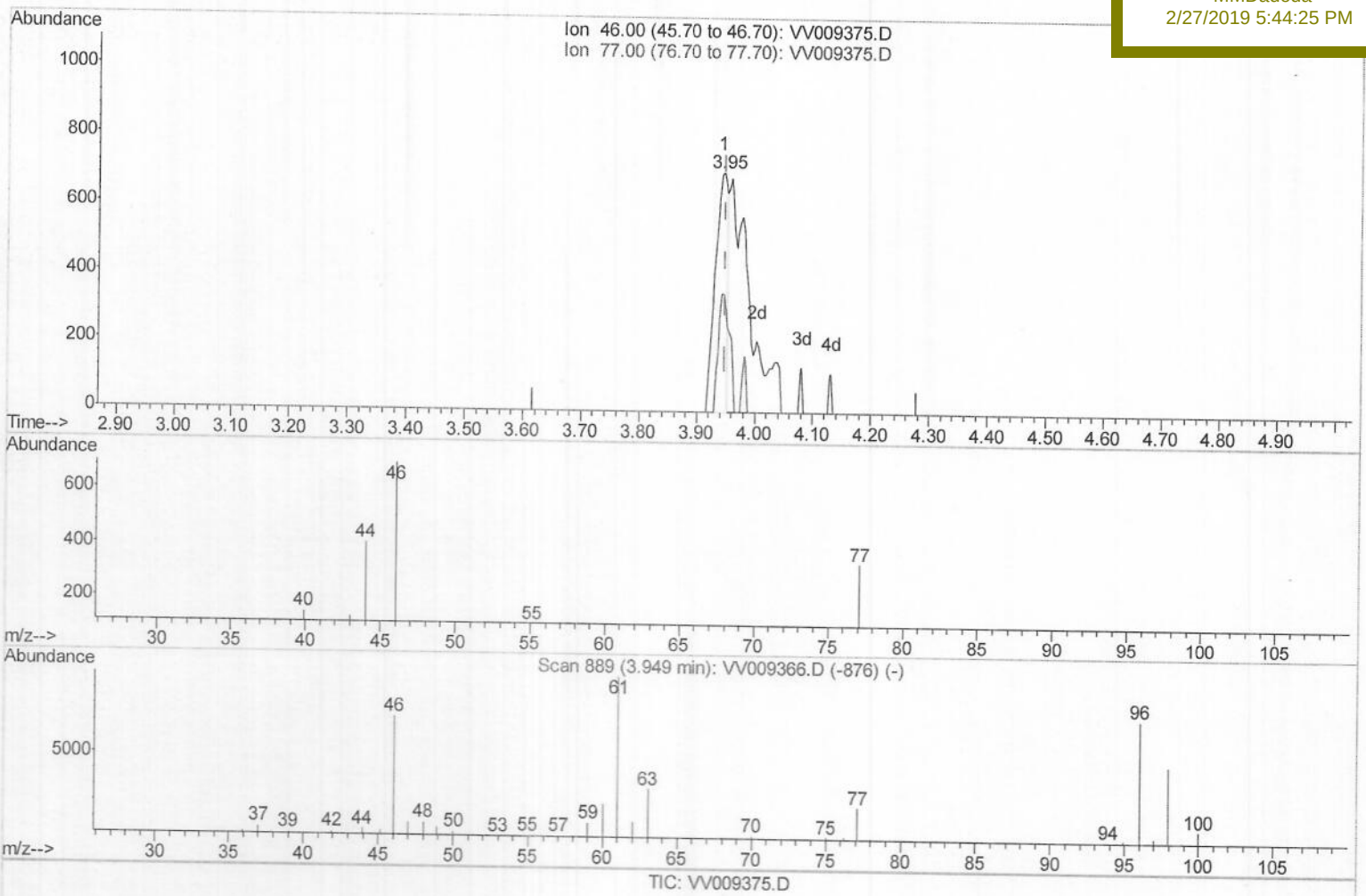
Manual Integrations APPROVED
MMDadoda
2/27/2019 5:44:25 PM



TIC: VV009375.D

(20) 2-Butanone-d5 (S)

3.946min (-0.003) 17.57ug/L

response 1035

Ion	Exp%	Act%
46.00	100	100
77.00	27.20	44.73#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022619\

Quantitation Report (Qedit)

Data File : VV009375.D
Acq On : 26 Feb 2019 19:03
Operator : SY/MD
Sample : K1579-12RE

Misc : 6.96G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 27 04:48:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis
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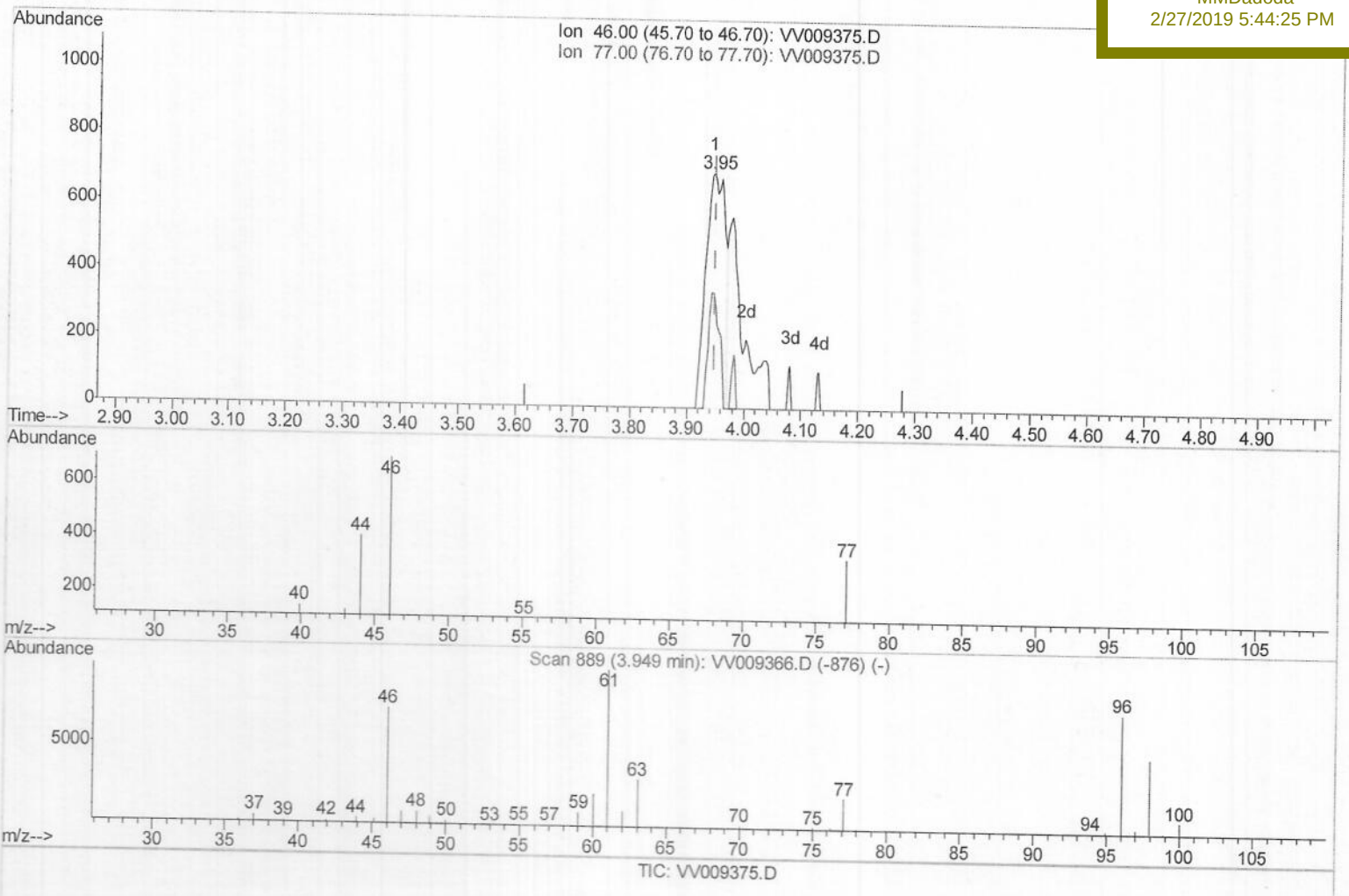
Instrument :
MSVOA_V
ClientSampleId :
DB609RE

Manual Integrations APPROVED
MMDadoda
2/27/2019 5:44:25 PM



TIC: VV009375.D

(20) 2-Butanone-d5 (S)

3.946min (-0.003) 27.31ug/L m

response 1609

Ion	Exp%	Act%
46.00	100	100
77.00	27.20	28.78
0.00	0.00	0.00
0.00	0.00	0.00

M.D 03/02/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022619\

Quantitation Report (Qedit)

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Instrument :
MSVOA_V
ClientSampleId :
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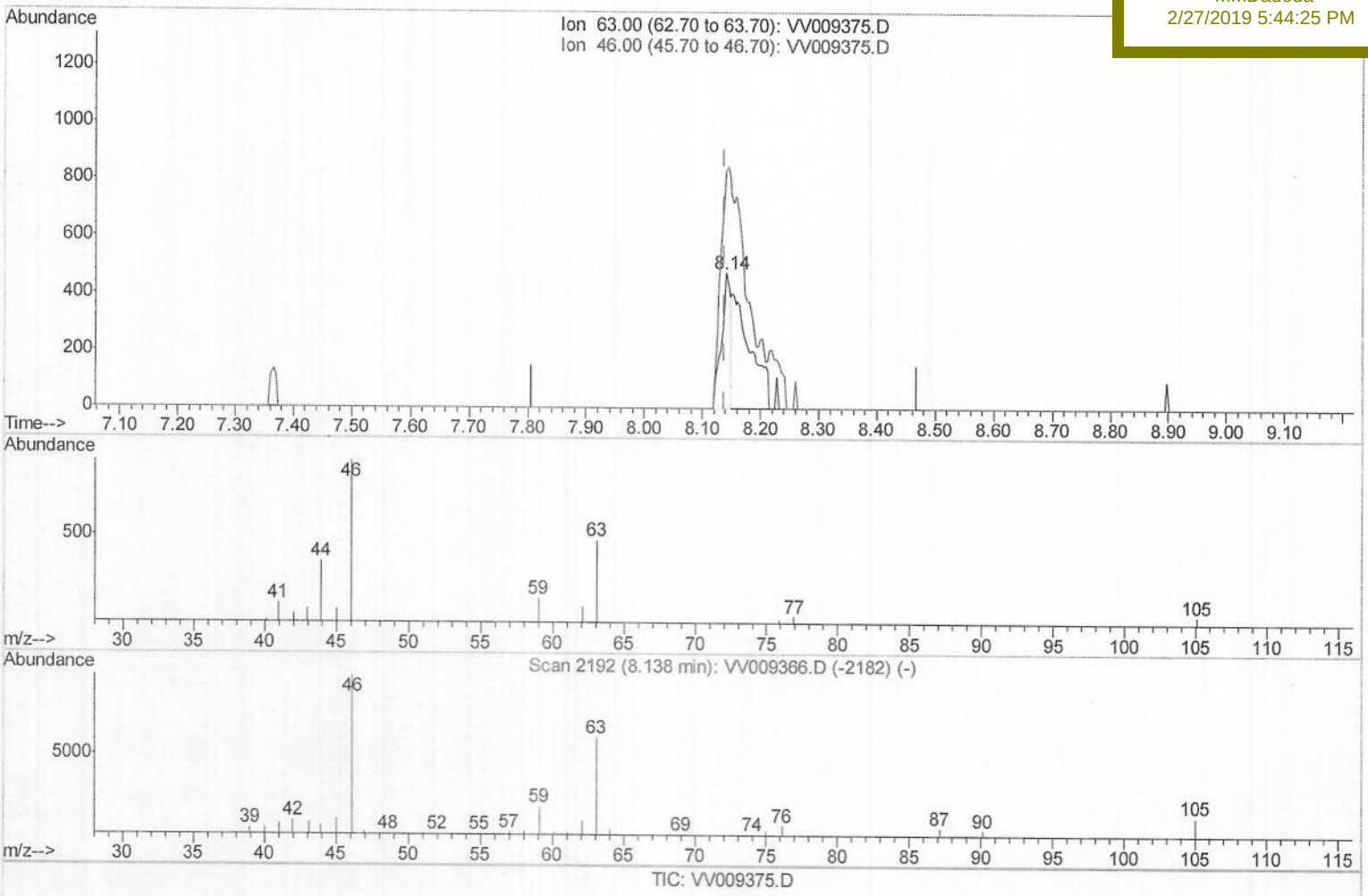
Manual Integrations APPROVED
MMDadoda
2/27/2019 5:44:25 PM



TIC: VV009375.D

(39) 2-Hexanone-d5 (S)

8.142min (+0.003) 13.32ug/L

response 509

Ion	Exp%	Act%
63.00	100	100
46.00	162.40	255.99#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022619\

Quantitation Report (Qedit)

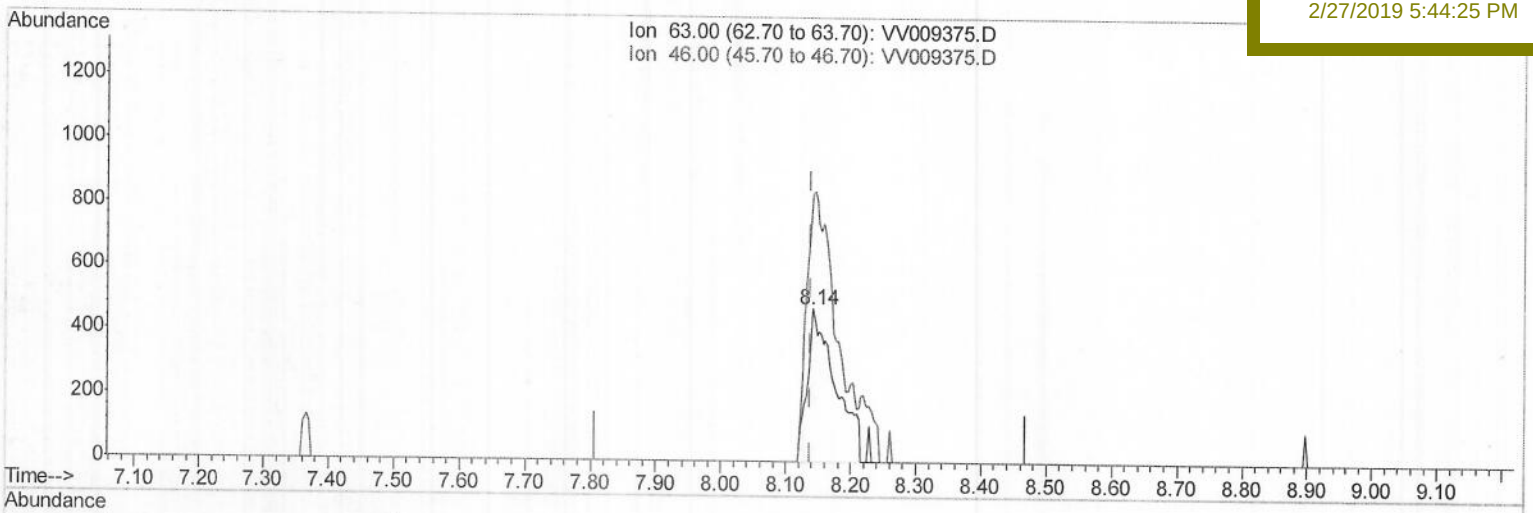
Data File : VV009375.D
Acq On : 26 Feb 2019 19:03
Operator : SY/MD
Sample : K1579-12RE

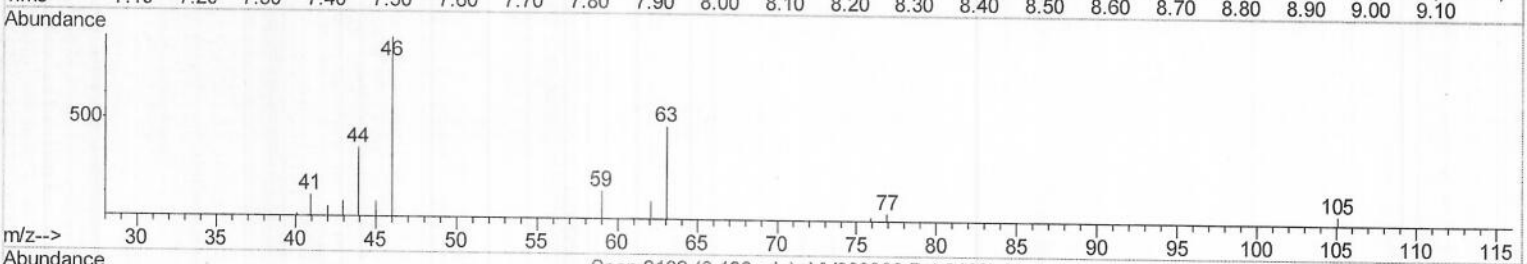
Misc : 6.96G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

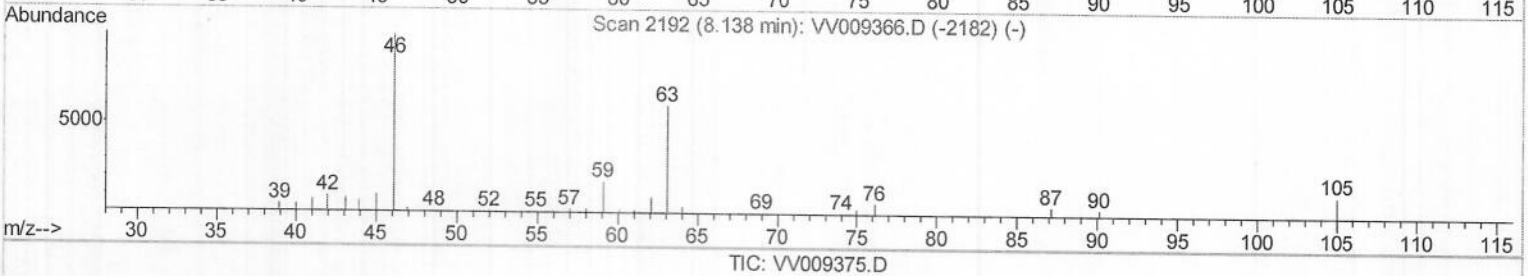
Quant Time: Feb 27 04:48:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 27 04:43:55 2019
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
DB609RE

Manual Integrations APPROVED
MMDadoda
2/27/2019 5:44:25 PM







TIC: VV009375.D

(39) 2-Hexanone-d5 (S)

8.142min (+0.003) 37.39ug/L m

response 1429

Ion	Exp%	Act%
63.00	100	100
46.00	162.40	91.18#
0.00	0.00	0.00
0.00	0.00	0.00

M.D 03/01/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV022619\

Quantitation Report (QT Reviewed)

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Quant Title : VOC Analysis
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Instrument : MSVOA_V
ClientSampleId : DB609RE

Manual Integrations APPROVED
MMDadoda
2/27/2019 5:44:25 PM

M.D 03/07/19

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	15543	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	11593	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.31	152	2517	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.32	65	5315	27.18	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 108.72%			
7) Chloroethane-d5	1.58	69	4732	18.61	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 74.44%			
10) 1,1-Dichloroethene-d2	2.13	63	8191m	15.84	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 63.36%			
20) 2-Butanone-d5	3.95	46	1609m	27.31	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 54.62%			
24) Chloroform-d	4.40	84	10170	26.98	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 107.92%			
26) 1,2-Dichloroethane-d4	5.08	65	6475	31.05	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 124.20%			
29) Benzene-d6	5.11	84	20474	33.22	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 132.88%			
33) 1,2-Dichloropropane-d6	6.12	67	6890	38.15	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 152.60%#			
37) Toluene-d8	7.36	98	18908	31.98	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 127.92%			
38) trans-1,3-Dichloropropene-	7.67	79	2568	28.45	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 113.80%			
39) 2-Hexanone-d5	8.14	63	1429m	37.39	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 74.78%			
48) 1,1,2,2-Tetrachloroethane-	10.27	84	5343	30.29	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 121.16%#			
61) 1,2-Dichlorobenzene-d4	11.68	152	2417	25.92	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 103.68%			

Target Compounds Qvalue

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